

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062419\
 Data File : VX010409.D
 Acq On : 24 Jun 2019 13:41
 Operator : JC/SP
 Sample : VX0624WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0624WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/25/2019 9:01:45 AM

Quant Time: Jun 25 04:09:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	281063	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	420692	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	382810	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	195405	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	132897	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
35) Dibromofluoromethane	5.50	113	128046	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
50) Toluene-d8	8.71	98	490473	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
62) 4-Bromofluorobenzene	11.13	95	176786	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	37917	19.405	ug/l	100
3) Chloromethane	1.33	50	42299	18.590	ug/l	98
4) Vinyl Chloride	1.41	62	44622	17.905	ug/l	100
5) Bromomethane	1.64	94	24242	19.966	ug/l	99
6) Chloroethane	1.72	64	28696	19.516	ug/l	93
7) Trichlorofluoromethane	1.93	101	78371	19.837	ug/l	99
8) Diethyl Ether	2.19	74	27721	19.566	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	45631	19.059	ug/l	99
10) Methyl Iodide	2.51	142	53800	15.746	ug/l	99
11) Tert butyl alcohol	3.04	59	69236	100.406	ug/l	99
12) 1,1-Dichloroethene	2.37	96	46910	19.255	ug/l	99
13) Acrolein	2.29	56	38030	83.137	ug/l	100
14) Allyl chloride	2.73	41	68779	19.886	ug/l	99
15) Acrylonitrile	3.14	53	134603	98.592	ug/l	99
16) Acetone	2.45	43	121045	91.652	ug/l	98
17) Carbon Disulfide	2.57	76	118057	18.063	ug/l	100
18) Methyl Acetate	2.78	43	52065	19.780	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	153875	20.078	ug/l	99
20) Methylene Chloride	2.86	84	54389	20.011	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	51060	19.487	ug/l	98
22) Diisopropyl ether	3.86	45	143538	19.849	ug/l	89
23) Vinyl Acetate	3.82	43	634365	101.546	ug/l	99
24) 1,1-Dichloroethane	3.70	63	82898	19.832	ug/l	99
25) 2-Butanone	4.67	43	187752	96.914	ug/l	99
26) 2,2-Dichloropropane	4.59	77	68819	18.953	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	59734	19.729	ug/l	99
28) Bromochloromethane	5.02	49	35320	17.673	ug/l	99
29) Tetrahydrofuran	5.13	42	118275	98.564	ug/l	99
30) Chloroform	5.21	83	89656	19.935	ug/l	99
31) Cyclohexane	5.58	56	74109	19.469	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	79417	19.998	ug/l	100
36) 1,1-Dichloropropene	5.81	75	64643	19.337	ug/l	98
37) Ethyl Acetate	4.84	43	70444	20.483	ug/l	100
38) Carbon Tetrachloride	5.79	117	70956	19.601	ug/l	94

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MMDadoda
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	83743	19.057	ug/l	97
40) Benzene	6.14	78	204967	19.680	ug/l	99
41) Methacrylonitrile	5.05	41	37954	20.113	ug/l	98
42) 1,2-Dichloroethane	6.20	62	66059	20.836	ug/l	99
43) Isopropyl Acetate	6.45	43	115016	20.213	ug/l	99
44) Trichloroethene	7.21	130	60673	19.468	ug/l	99
45) 1,2-Dichloropropane	7.51	63	51587	19.614	ug/l	97
46) Dibromomethane	7.66	93	36935	19.573	ug/l	100
47) Bromodichloromethane	7.90	83	67678	19.570	ug/l	99
48) Methyl methacrylate	7.77	41	52947	20.019	ug/l	99
49) 1,4-Dioxane	7.74	88	30888	405.403	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	364336	100.115	ug/l	99
52) Toluene	8.79	92	135918	19.817	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	74129	19.119	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	82320	19.538	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	56508	19.977	ug/l	97
56) Ethyl methacrylate	9.18	69	84399	19.696	ug/l	99
57) 1,3-Dichloropropane	9.37	76	86994	19.812	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	201024	98.778	ug/l	99
59) 2-Hexanone	9.49	43	287531	100.390	ug/l	98
60) Dibromochloromethane	9.58	129	60714	19.170	ug/l	99
61) 1,2-Dibromoethane	9.67	107	59799	19.585	ug/l	100
64) Tetrachloroethene	9.34	164	60885	19.664	ug/l	98
65) Chlorobenzene	10.13	112	152658	19.643	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	56436	19.936	ug/l	98
67) Ethyl Benzene	10.25	91	258999	19.740	ug/l	99
68) m/p-Xylenes	10.36	106	202946	39.920	ug/l	99
69) o-Xylene	10.69	106	97643	19.531	ug/l	99
70) Styrene	10.71	104	166960	19.913	ug/l	100
71) Bromoform	10.85	173	47946	19.476	ug/l #	99
73) Isopropylbenzene	11.02	105	261058	19.708	ug/l	99
74) N-amyl acetate	10.90	43	99822	19.941	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	86691	19.762	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	72036m	20.230	ug/l	
77) Bromobenzene	11.26	156	71941	19.450	ug/l	99
78) n-propylbenzene	11.36	91	289823	19.908	ug/l	100
79) 2-Chlorotoluene	11.42	91	171047	19.731	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	218092	19.972	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	27084	17.744	ug/l	96
82) 4-Chlorotoluene	11.51	91	195926	19.862	ug/l	100
83) tert-Butylbenzene	11.77	119	216184	19.725	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	228427	20.821	ug/l	99
85) sec-Butylbenzene	11.94	105	251291	19.528	ug/l	100
86) p-Isopropyltoluene	12.06	119	232009	19.492	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	125218	19.395	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	125019	19.021	ug/l	99
89) n-Butylbenzene	12.38	91	194582	19.238	ug/l	99
90) Hexachloroethane	12.60	117	40259	19.560	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	127169	19.818	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19374	20.484	ug/l	90

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ClientSampleId :
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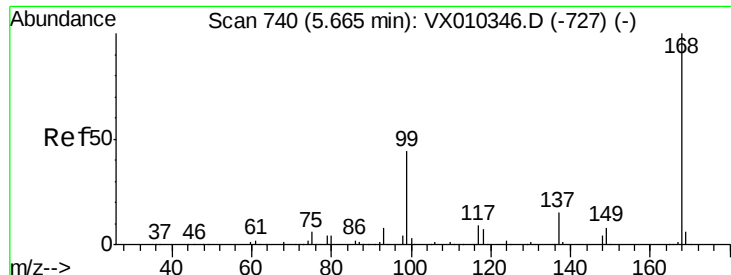
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QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	84744	19.044	ug/l	98
94) Hexachlorobutadiene	13.78	225	40863	18.789	ug/l	99
95) Naphthalene	13.83	128	278478	20.364	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	88641	20.035	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

VX0624WBSD01

Tot Ion:168 Resp: 281063

Ion Ratio Lower Upper

168 100

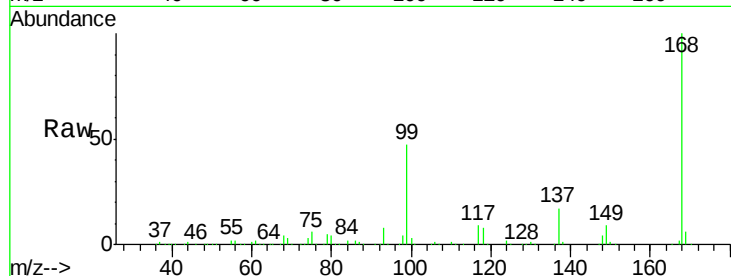
99 46.9 35.5 53.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

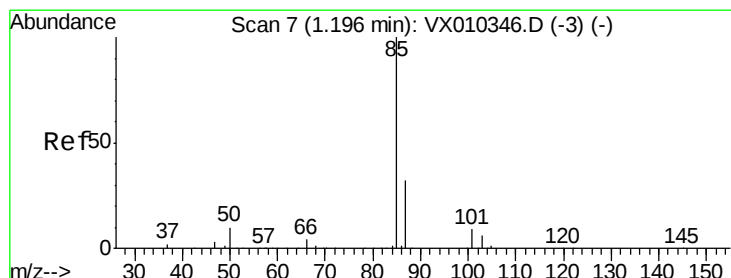
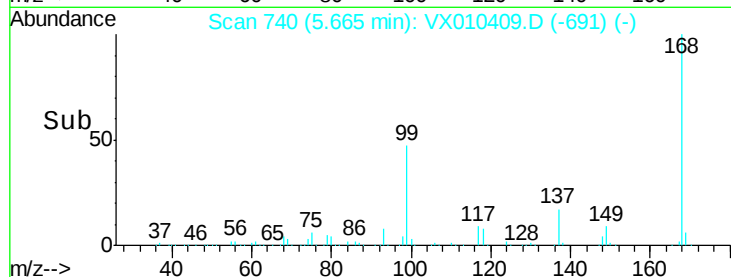
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.405 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010409.D

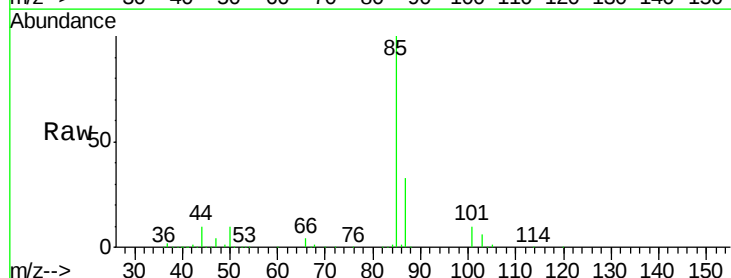
Acq: 24 Jun 2019 13:41

Tgt Ion: 85 Resp: 37917

Ion Ratio Lower Upper

85 100

87 32.7 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

40000

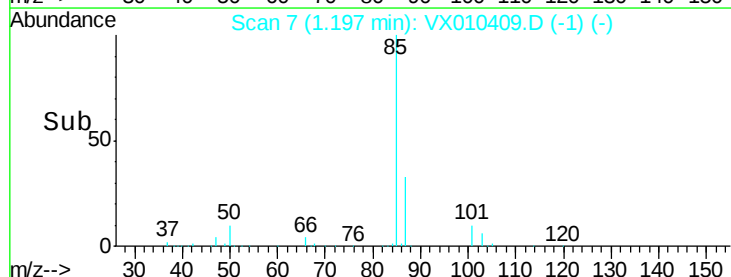
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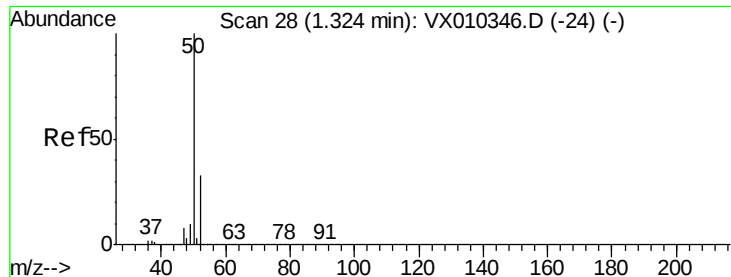
20000

10000

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Time-->





#3

Chloromethane

Concen: 18.590 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

VX0624WBSD01

Tot Ion: 50 Resp: 42299

Ion Ratio Lower Upper

50 100

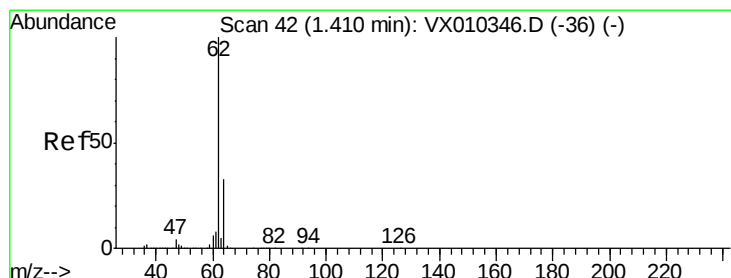
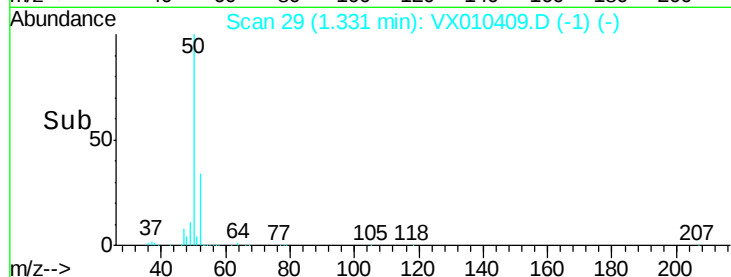
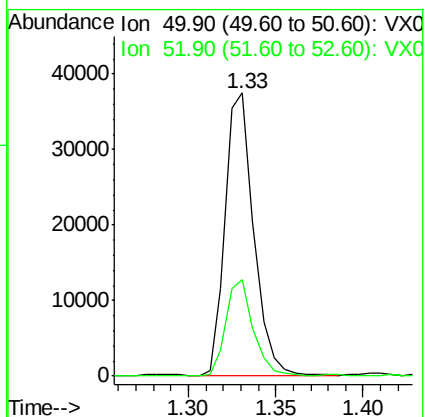
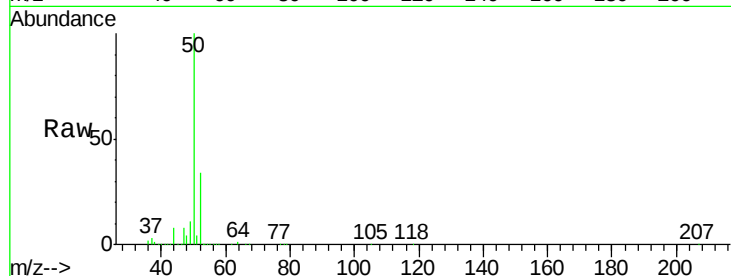
52 34.2 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.905 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010409.D

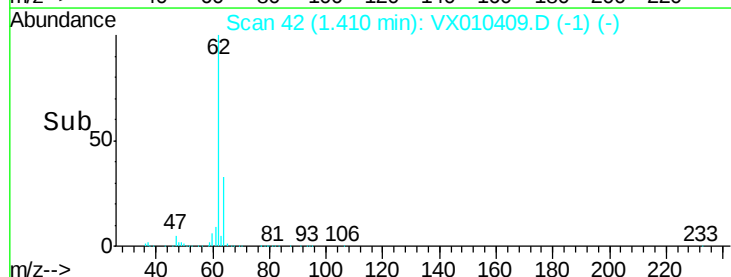
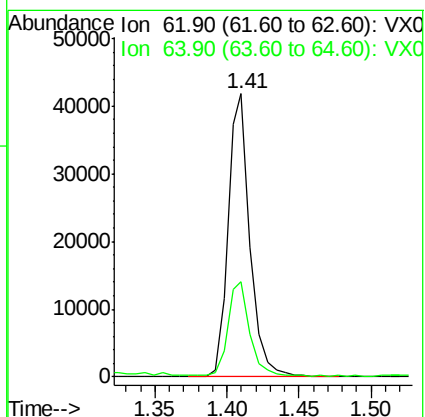
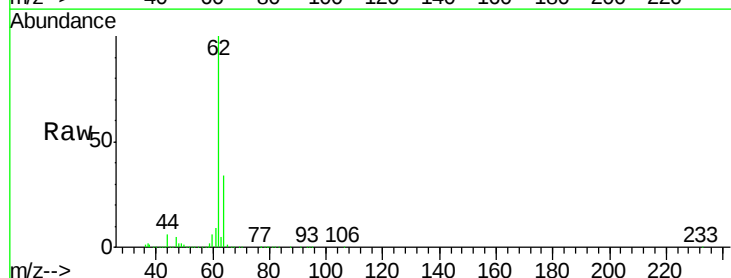
Acq: 24 Jun 2019 13:41

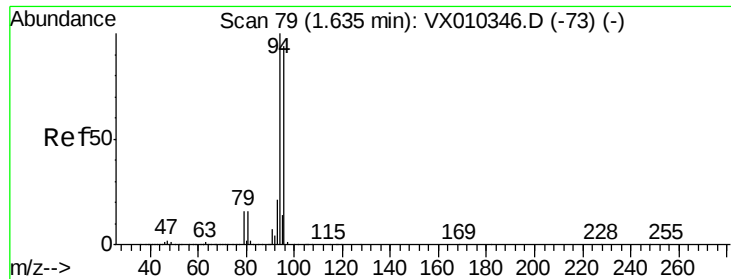
Tgt Ion: 62 Resp: 44622

Ion Ratio Lower Upper

62 100

64 33.0 26.2 39.4





#5

Bromomethane

Concen: 19.966 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

VX0624WBSD01

Tot Ion: 94 Resp: 24242

Ion Ratio Lower Upper

94 100

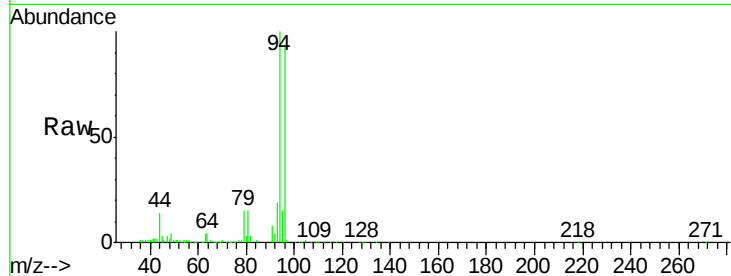
96 93.1 75.5 113.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

25000

20000

15000

10000

5000

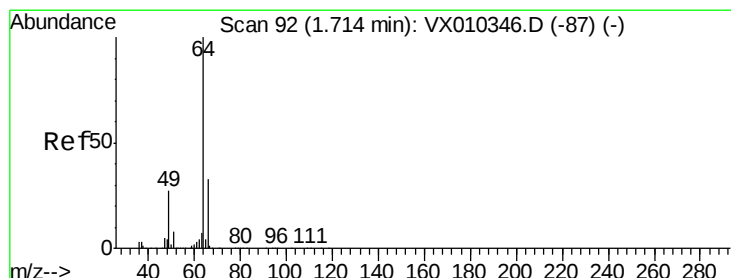
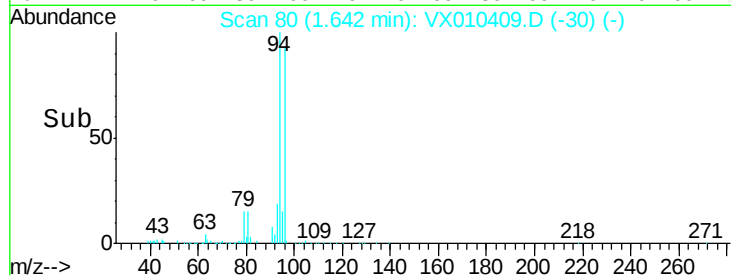
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Time-->

1.60

1.65

1.70



#6

Chloroethane

Concen: 19.516 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010409.D

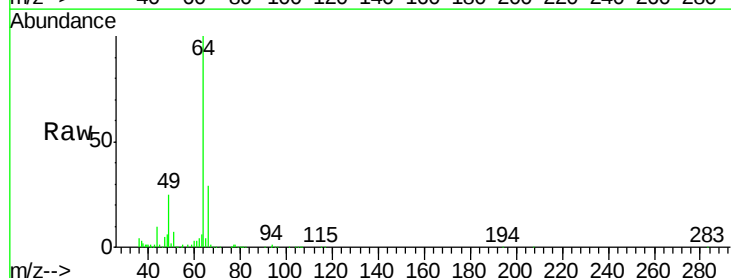
Acq: 24 Jun 2019 13:41

Tgt Ion: 64 Resp: 28696

Ion Ratio Lower Upper

64 100

66 29.5 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

25000

20000

15000

10000

5000

0

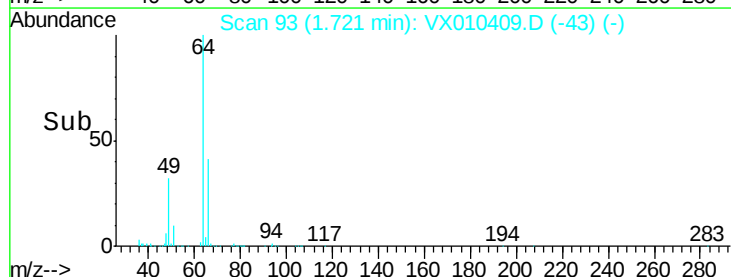
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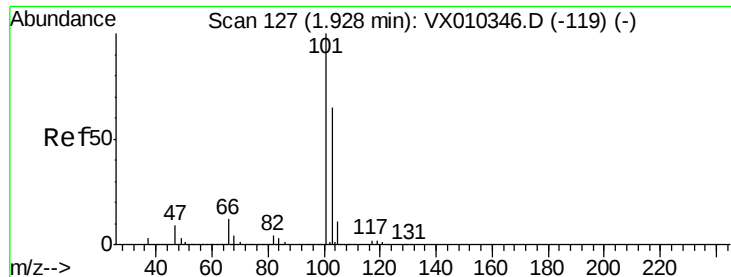
1.65

1.70

1.75

1.80





#7

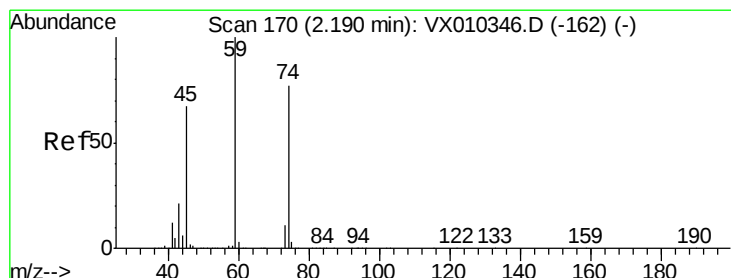
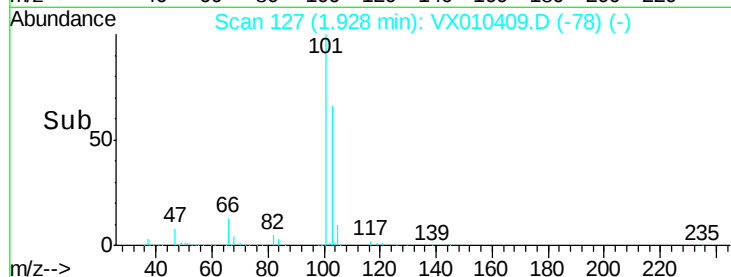
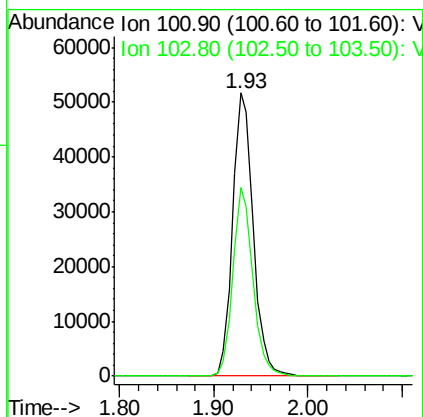
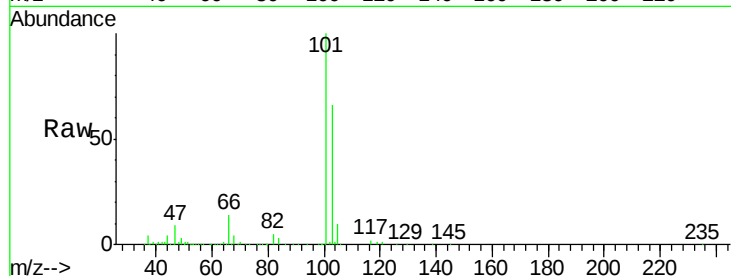
Trichlorofluoromethane
Concen: 19.837 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX010409.D
Acq: 24 Jun 2019 13:41

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ClientSampleId :
VX0624WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.5	52.3	78.5

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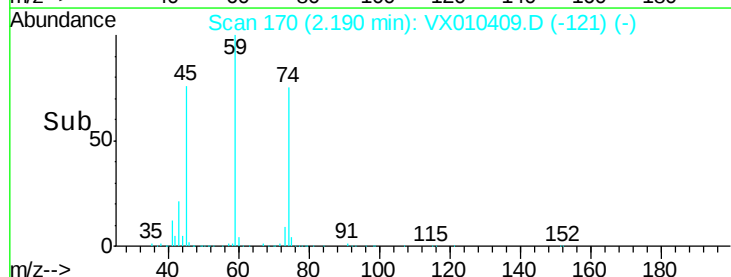
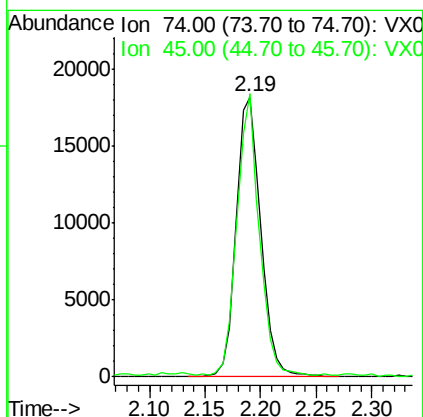
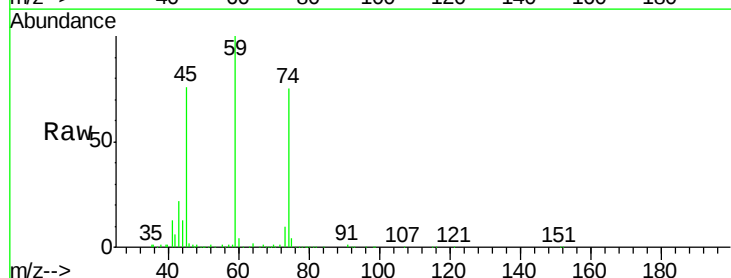
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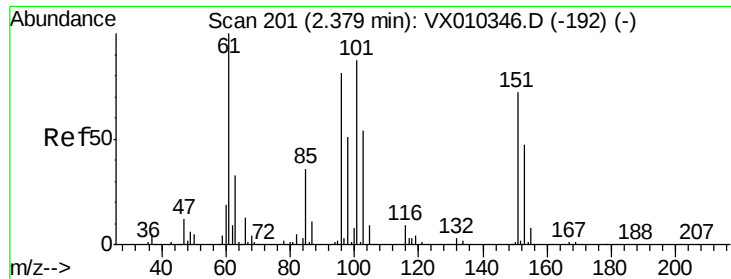


#8

Diethyl Ether
Concen: 19.566 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010409.D
Acq: 24 Jun 2019 13:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.2	44.8	134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.059 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

Instrument :

MSVOA_X

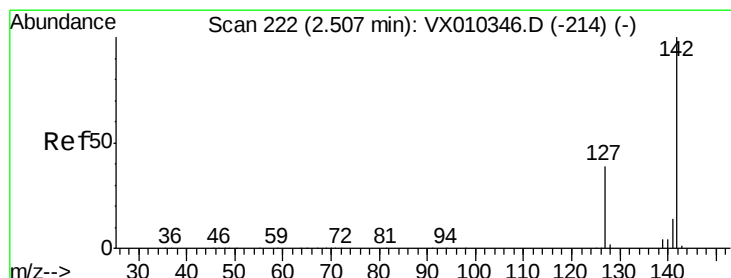
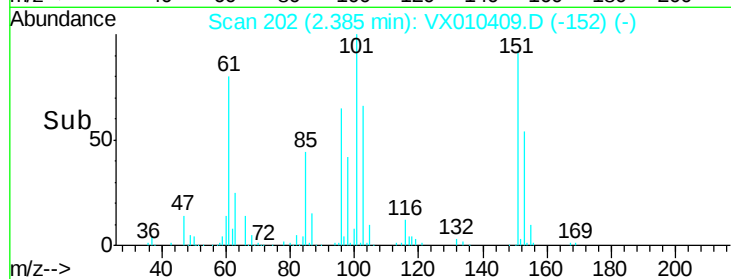
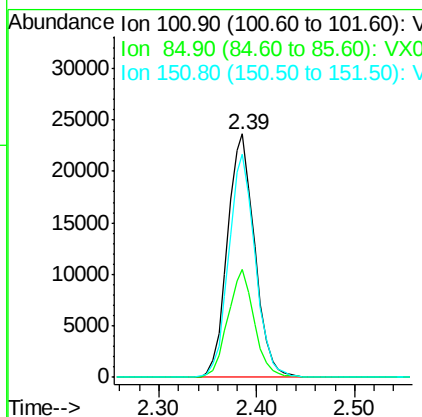
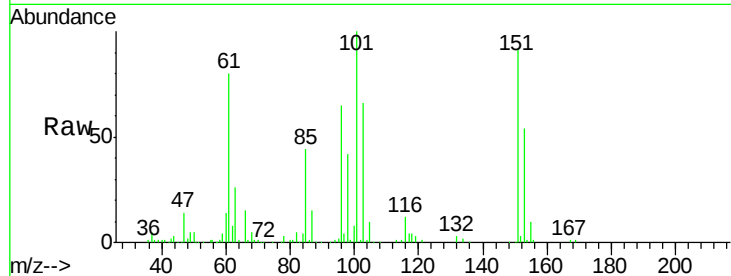
ClientSampleId :

VX0624WBSD01

Tot Ion:	101	Resp:	45631
Ion Ratio	Lower	Upper	
101	100		
85	43.0	33.7	50.5
151	89.0	70.1	105.1

Manual Integrations
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6/25/2019 9:01:45 AM



#10

Methyl Iodide

Concen: 15.746 ug/l

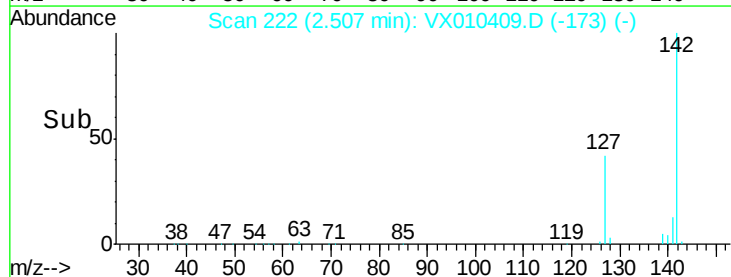
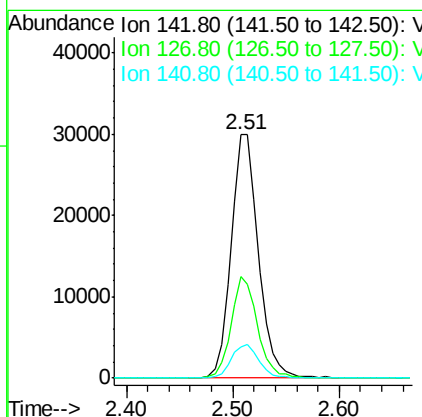
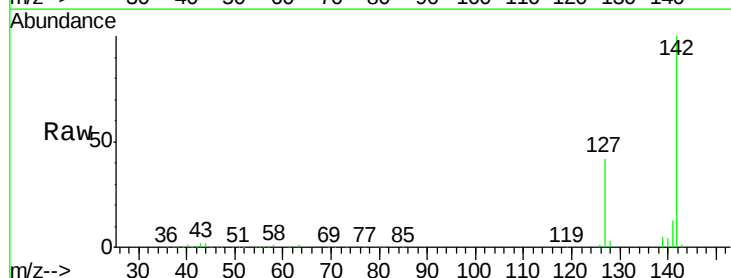
RT: 2.51 min Scan# 222

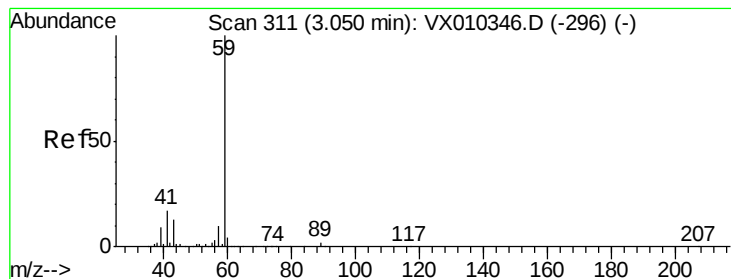
Delta R.T. 0.00 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

Tgt Ion:	142	Resp:	53800
Ion Ratio	Lower	Upper	
142	100		
127	39.9	31.1	46.7
141	14.2	11.2	16.8





#11

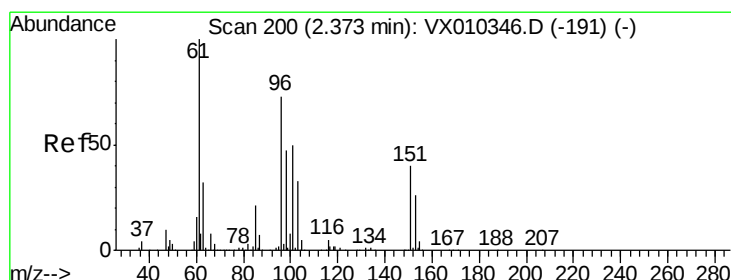
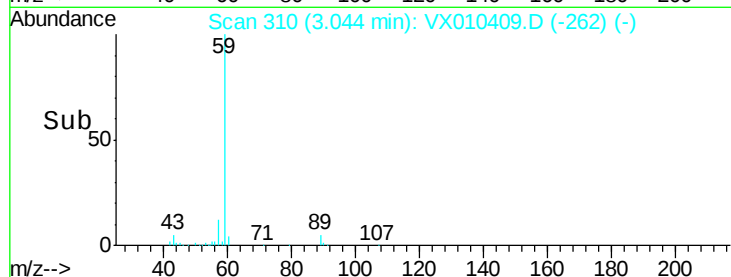
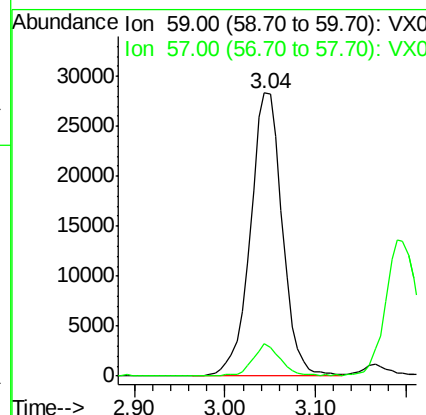
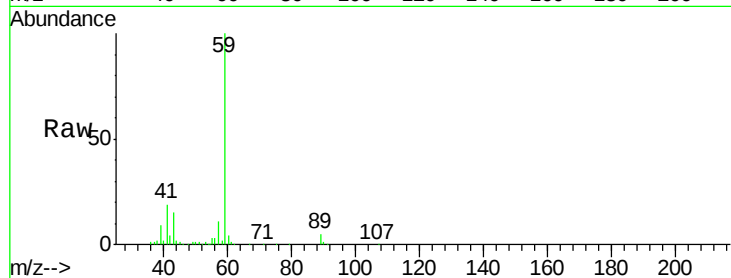
Tert butyl alcohol
Concen: 100.406 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010409.D
Acq: 24 Jun 2019 13:41

Instrument :
MSVOA_X
ClientSampleId :
VX0624WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	10.0	7.7	11.5

Manual Integrations
APPROVED

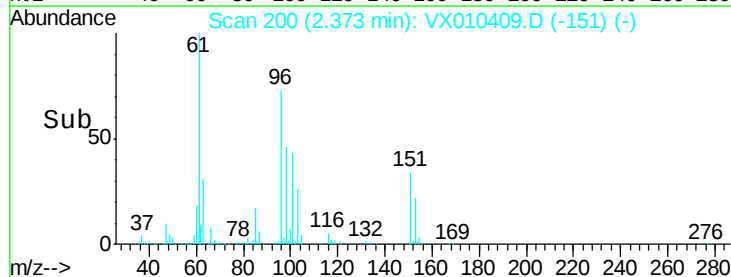
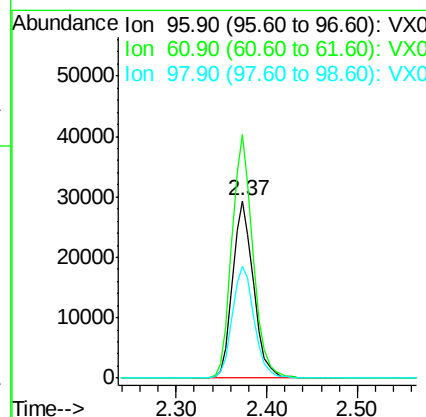
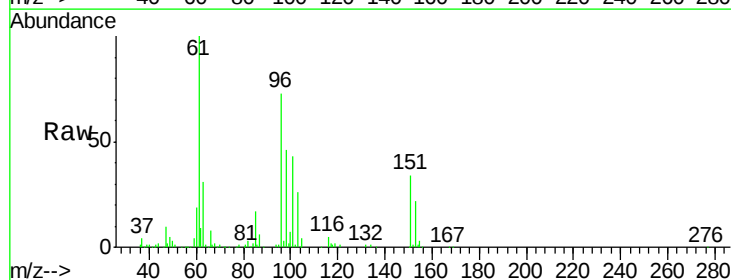
MMDadoda
6/25/2019 9:01:45 AM



#12

1,1-Dichloroethene
Concen: 19.255 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010409.D
Acq: 24 Jun 2019 13:41

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	136.9	109.2	163.8
98	98	62.7	51.1	76.7





#13

Acrolein

Concen: 83.137 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

VX0624WBSD01

Tot Ion: 56 Resp: 38030

Ion Ratio Lower Upper

56 100

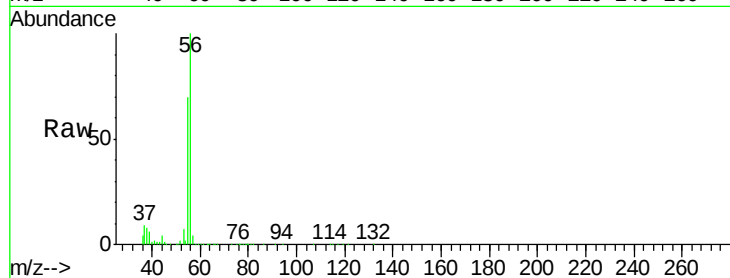
55 71.2 56.9 85.3

Manual Integrations

APPROVED

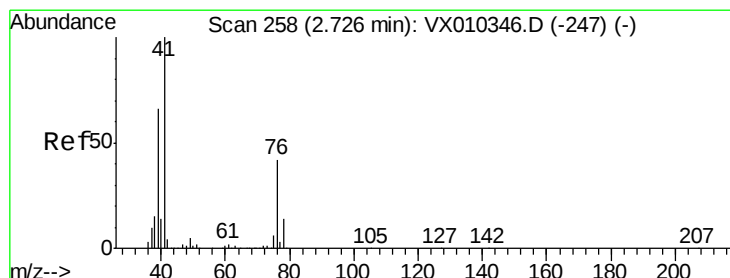
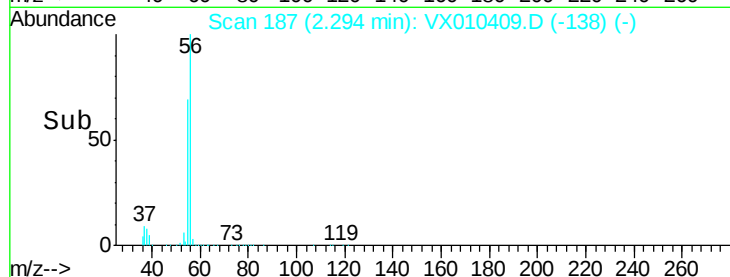
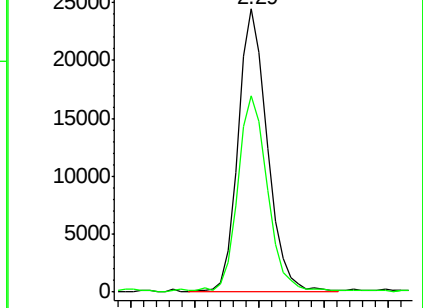
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 19.886 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

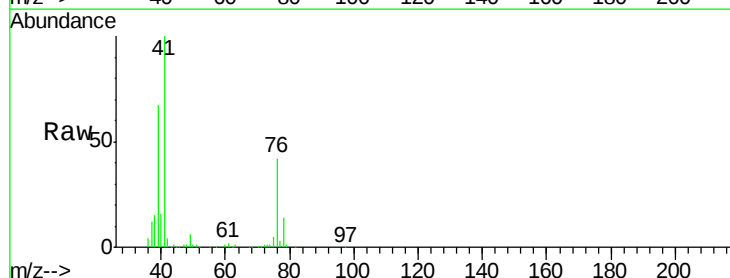
Tgt Ion: 41 Resp: 68779

Ion Ratio Lower Upper

41 100

39 63.9 50.3 75.5

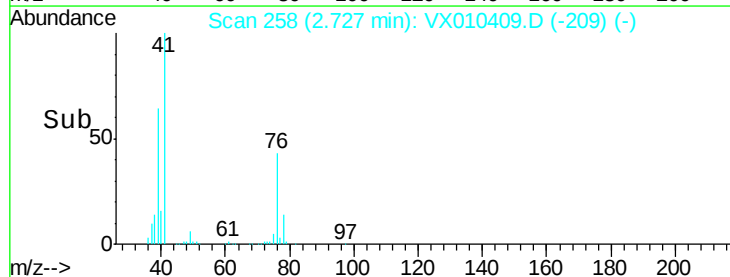
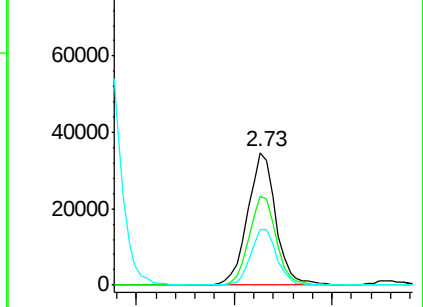
76 38.9 31.3 46.9

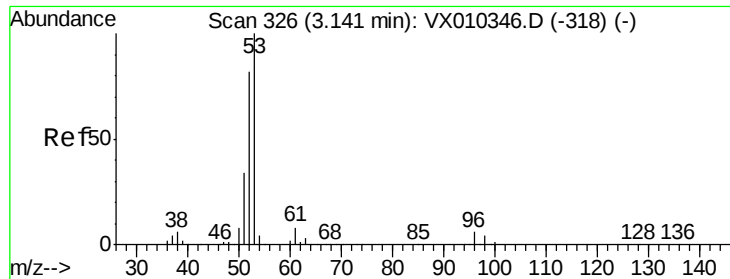


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 98.592 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

Instrument :

MSVOA_X

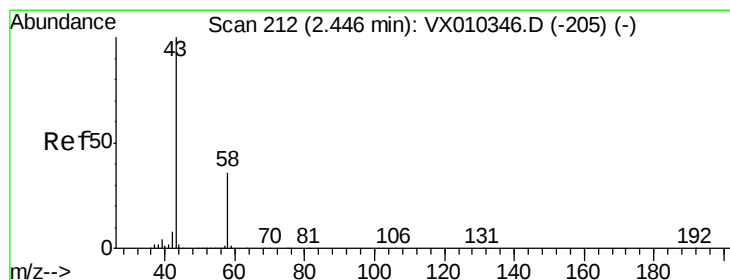
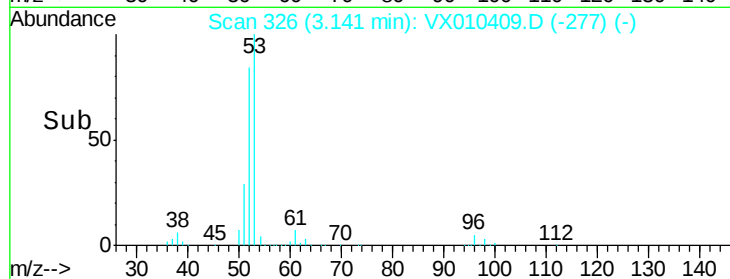
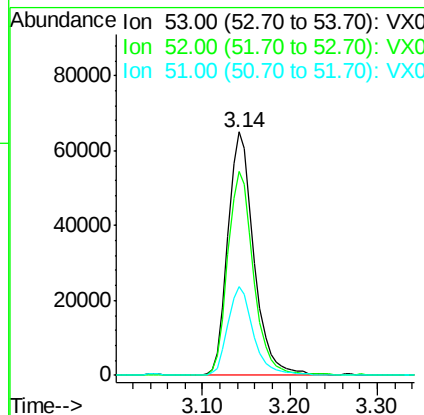
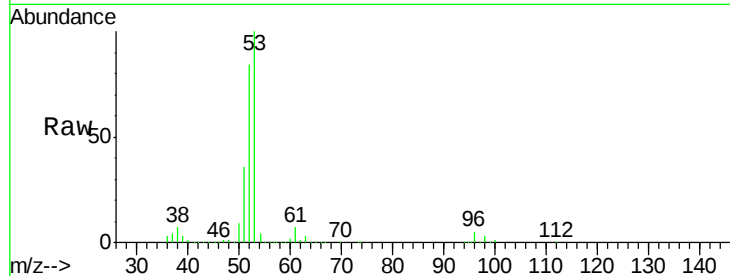
ClientSampleId :

VX0624WBSD01

Tot Ion:	53	Resp:	134603
Ion Ratio		Lower	Upper
53	100		
52	83.2	65.5	98.3
51	35.9	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 91.652 ug/l

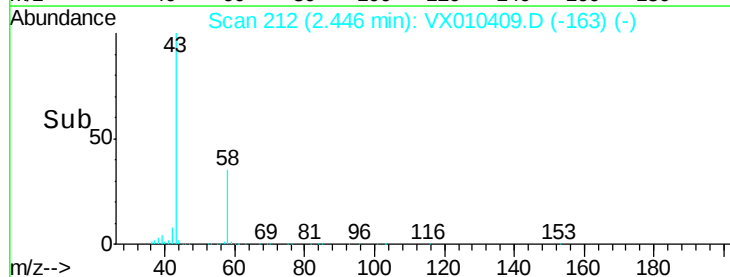
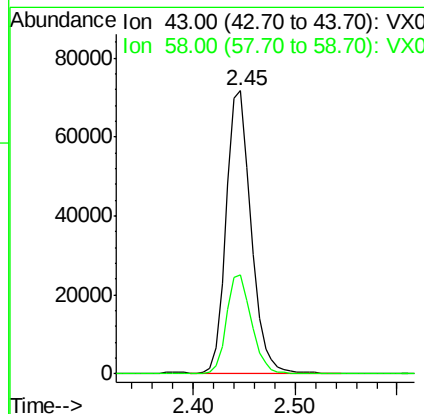
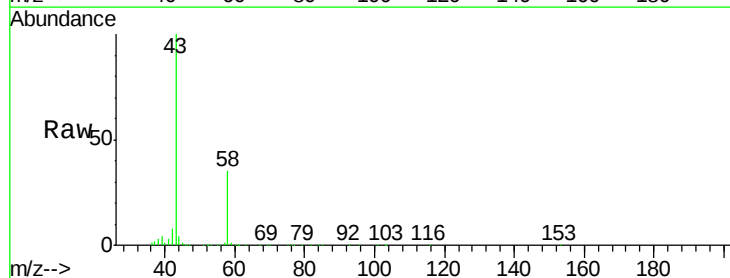
RT: 2.45 min Scan# 212

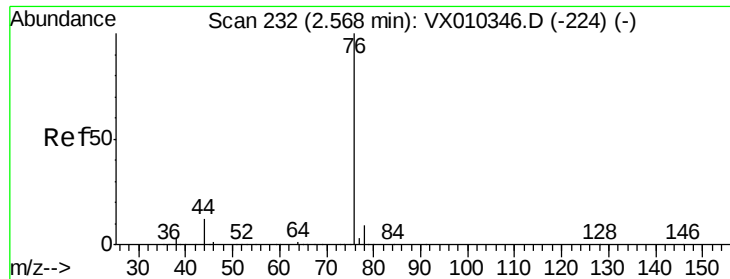
Delta R.T. 0.00 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

Tgt Ion:	43	Resp:	121045
Ion Ratio		Lower	Upper
43	100		
58	35.0	28.9	43.3





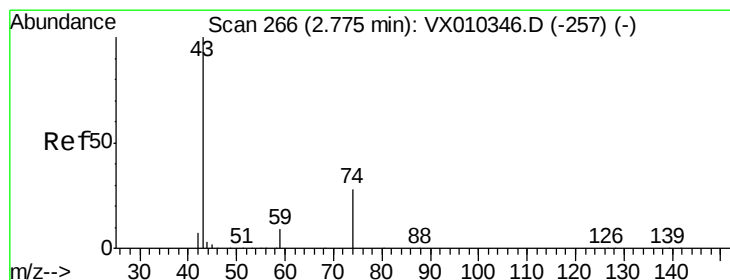
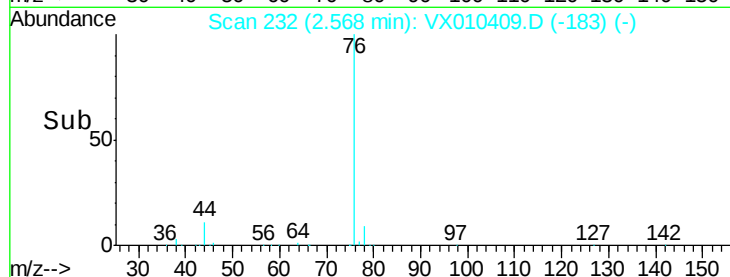
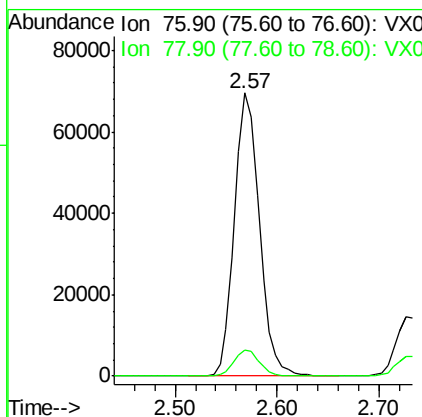
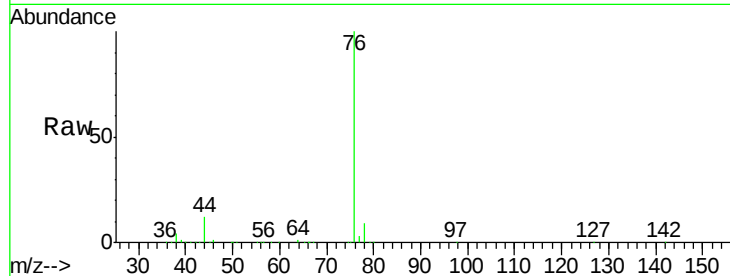
#17
Carbon Disulfide
Concen: 18.063 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010409.D
Acq: 24 Jun 2019 13:41

Instrument :
MSVOA_X
ClientSampleId :
VX0624WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

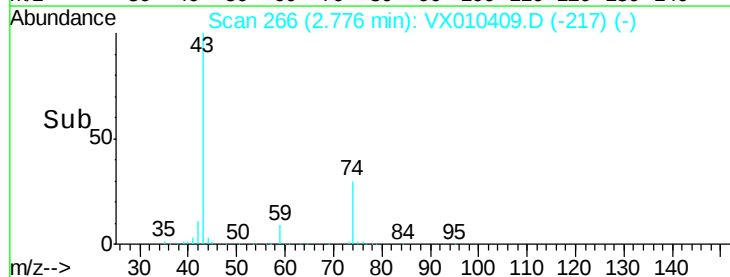
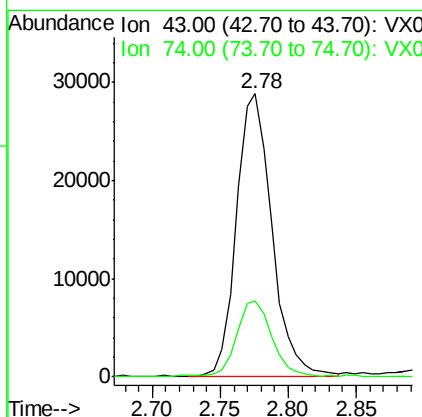
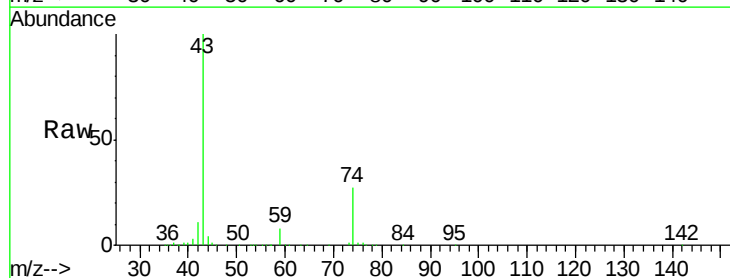
Manual Integrations
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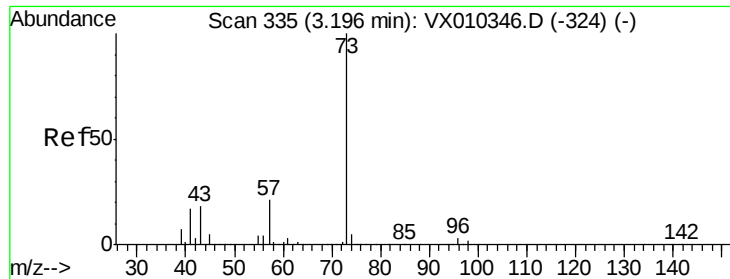
MMDadoda
6/25/2019 9:01:45 AM



#18
Methyl Acetate
Concen: 19.780 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010409.D
Acq: 24 Jun 2019 13:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.6	21.3	31.9





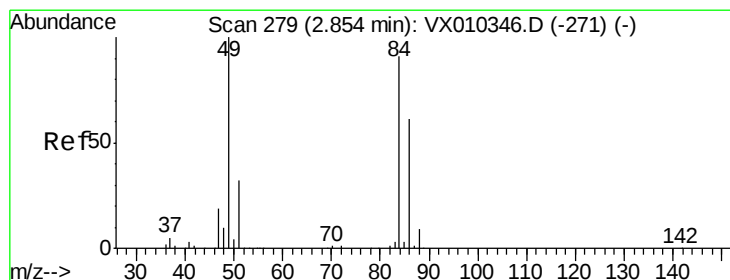
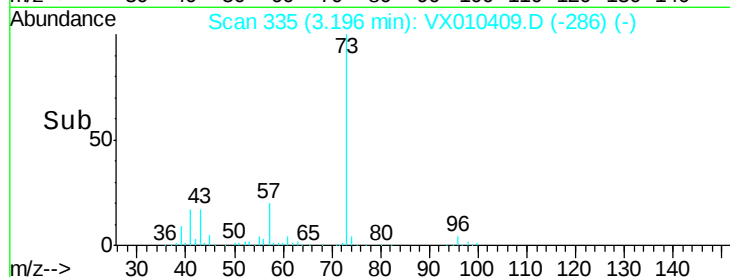
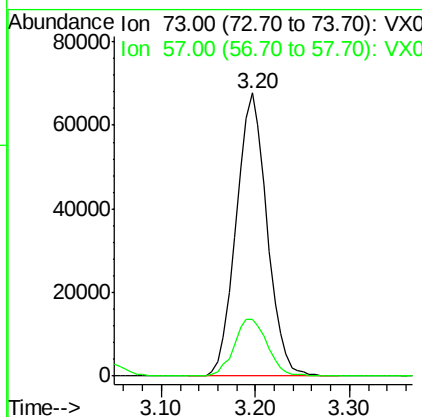
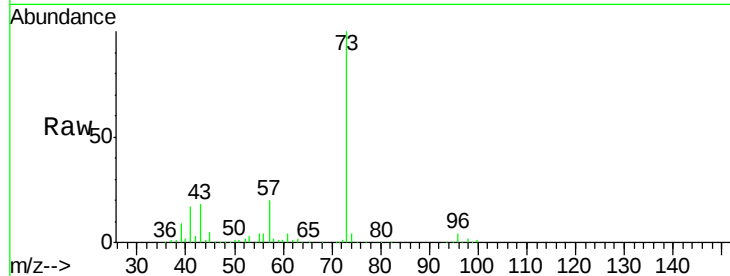
#19
Methvl tert-butvl Ether
Concen: 20.078 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010409.D
Acq: 24 Jun 2019 13:41

Instrument :
MSVOA_X
ClientSampleId :
VX0624WBSD01

Tot Ion: 73 Resp: 153875
Ion Ratio Lower Upper
73 100
57 19.9 16.4 24.6

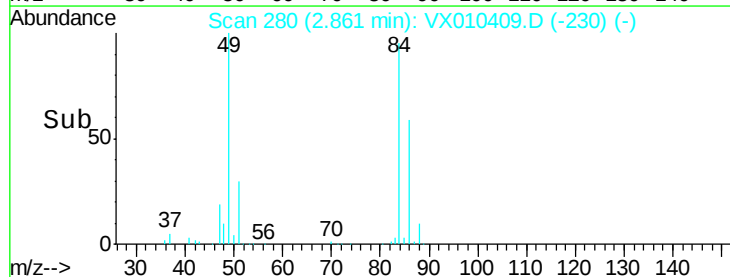
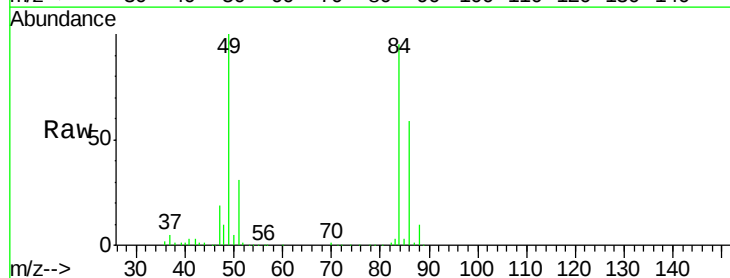
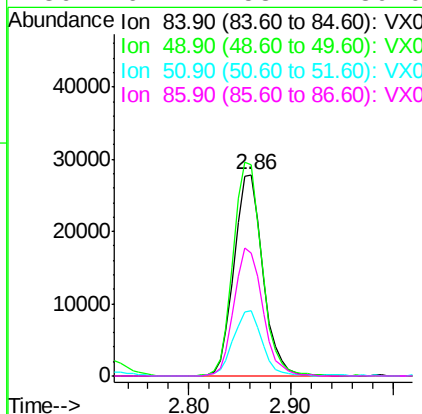
Manual Integrations
APPROVED

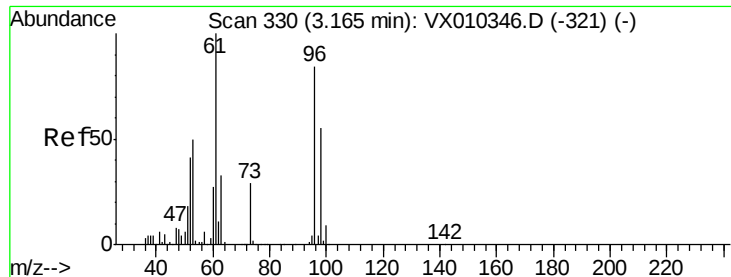
MMDadoda
6/25/2019 9:01:45 AM



#20
Methylene Chloride
Concen: 20.011 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX010409.D
Acq: 24 Jun 2019 13:41

Tgt Ion: 84 Resp: 54389
Ion Ratio Lower Upper
84 100
49 104.9 87.5 131.3
51 32.2 27.7 41.5
86 61.4 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 19.487 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

Instrument :

MSVOA_X

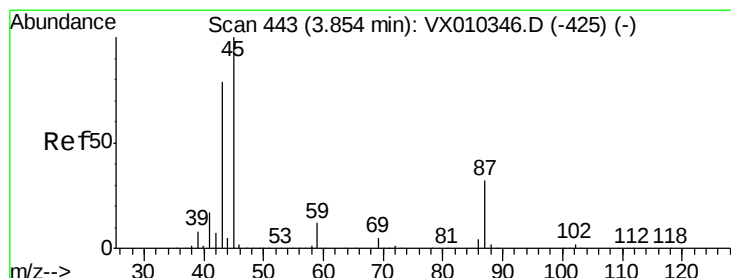
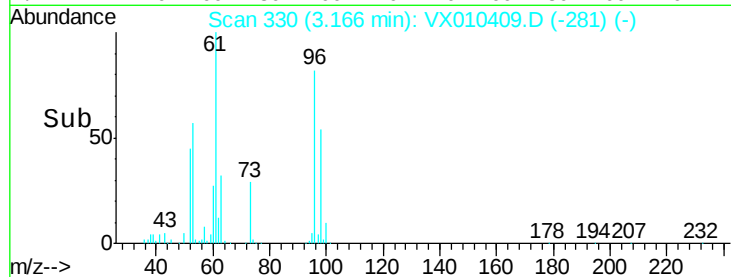
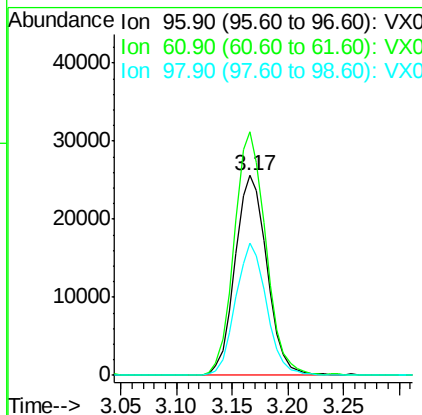
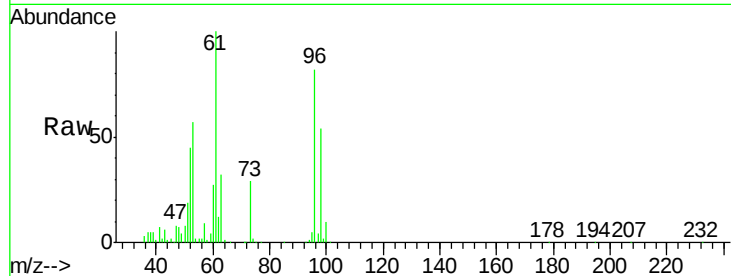
ClientSampleId :

VX0624WBSD01

Tot Ion:	96	Resp:	51060
Ion	Ratio	Lower	Upper
96	100		
61	122.0	95.6	143.4
98	66.5	52.5	78.7

Manual Integrations
APPROVED

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6/25/2019 9:01:45 AM



#22

Diisopropyl ether

Concen: 19.849 ug/l

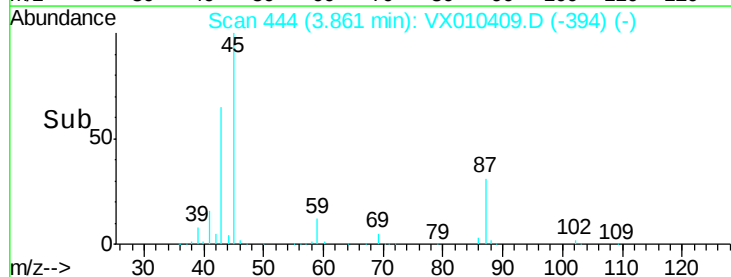
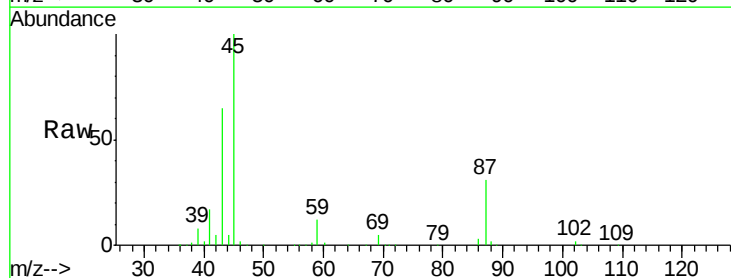
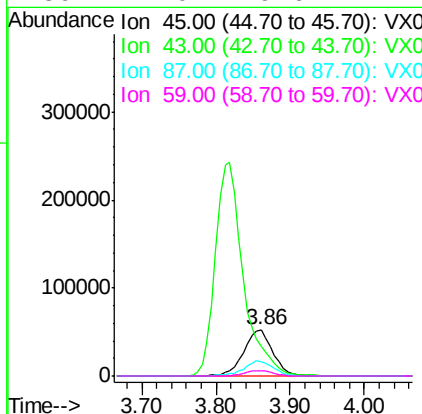
RT: 3.86 min Scan# 444

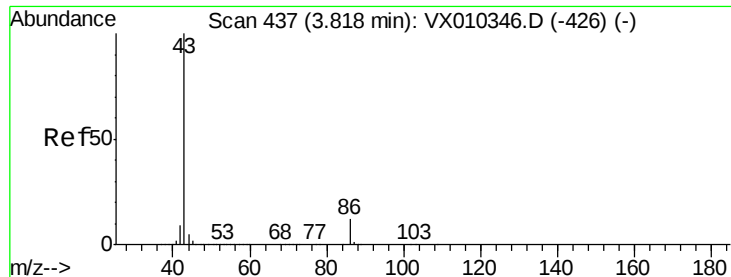
Delta R.T. 0.01 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

Tgt Ion:	45	Resp:	143538
Ion	Ratio	Lower	Upper
45	100		
43	64.4	63.3	94.9
87	31.2	25.8	38.8
59	12.0	9.6	14.4





#23

Vinyl Acetate

Concen: 101.546 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

VX0624WBSD01

Tot Ion: 43 Resp: 634365

Ion Ratio Lower Upper

43 100

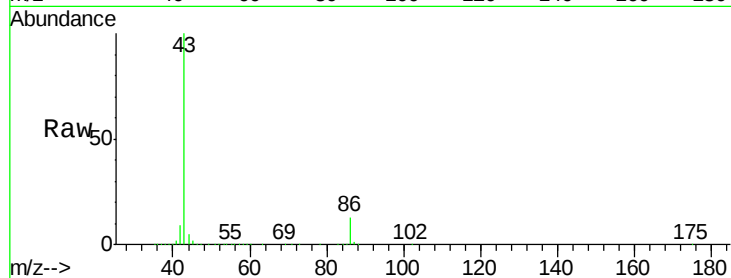
86 12.9 9.9 14.9

Manual Integrations

APPROVED

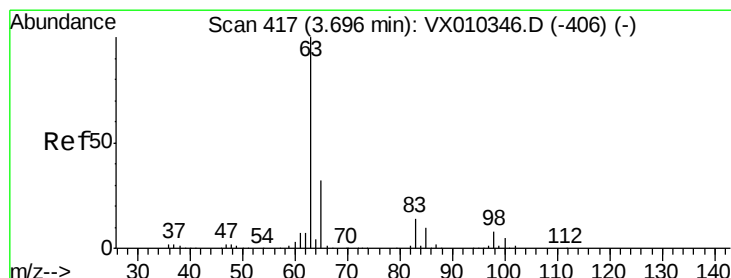
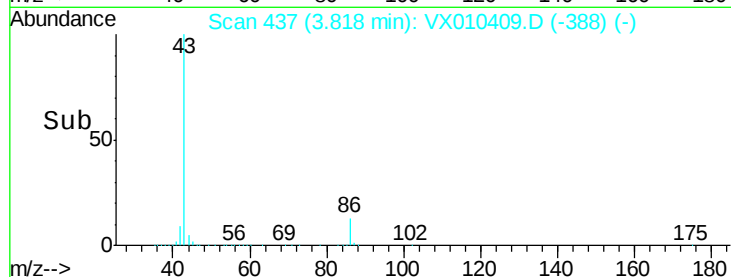
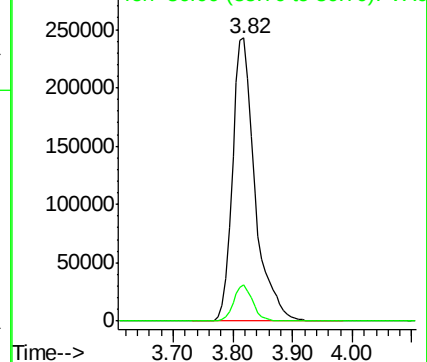
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 19.832 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

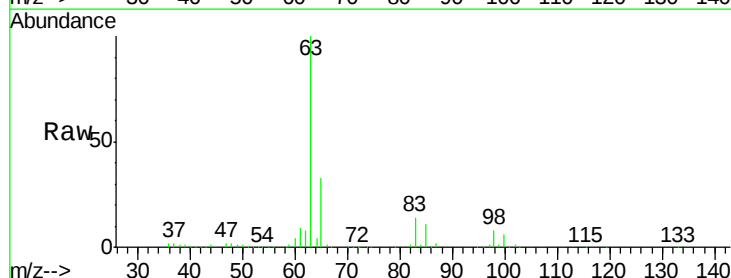
Tgt Ion: 63 Resp: 82898

Ion Ratio Lower Upper

63 100

98 7.9 3.9 11.7

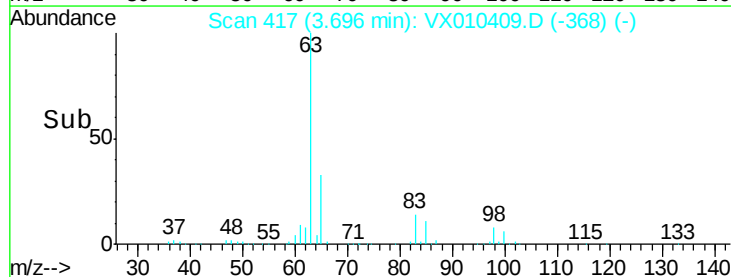
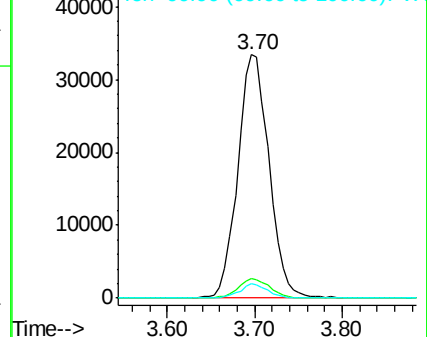
100 5.7 2.4 7.1

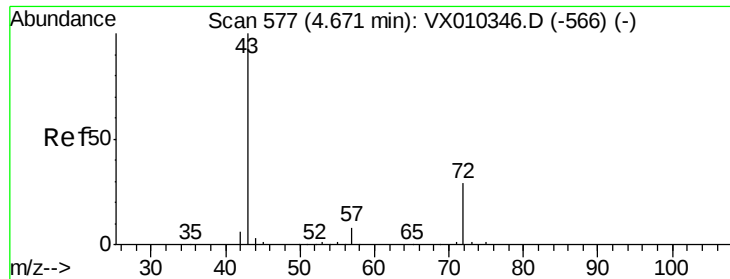


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 96.914 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

VX0624WBSD01

Tot Ion: 43 Resp: 187752

Ion Ratio Lower Upper

43 100

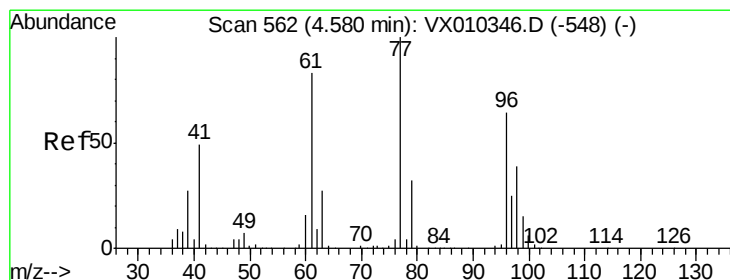
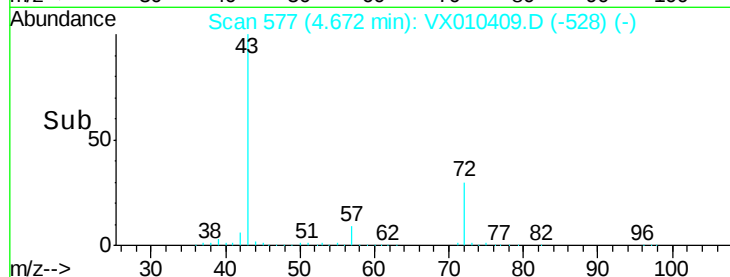
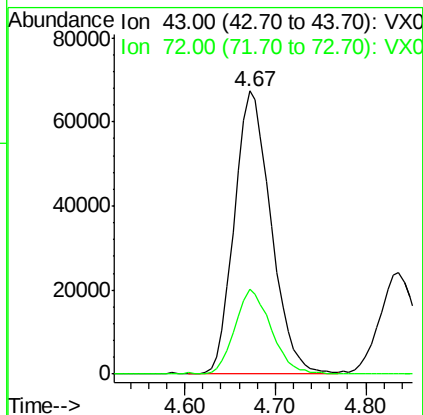
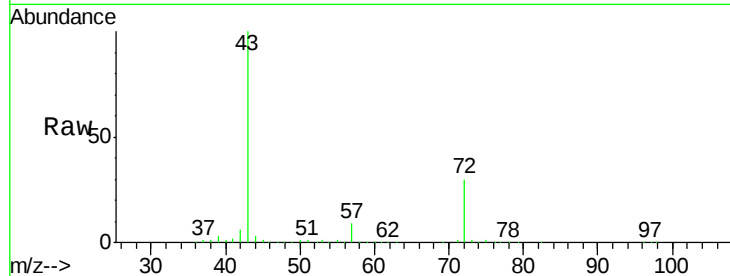
72 29.8 23.3 34.9

Manual Integrations

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MMDadoda

6/25/2019 9:01:45 AM



#26

2,2-Dichloropropane

Concen: 18.953 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX010409.D

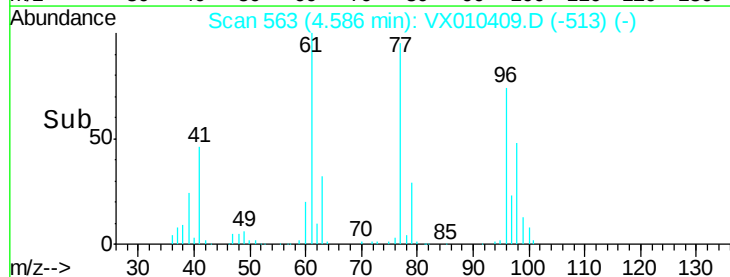
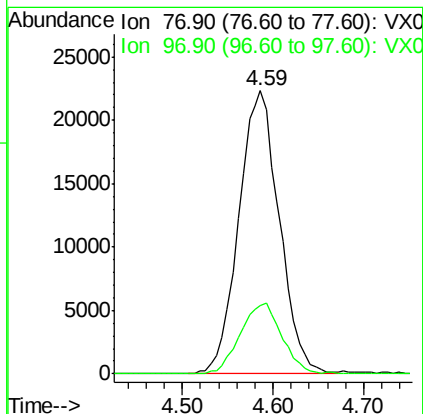
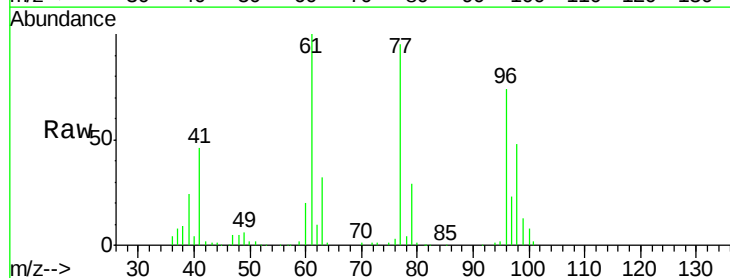
Acq: 24 Jun 2019 13:41

Tgt Ion: 77 Resp: 68819

Ion Ratio Lower Upper

77 100

97 25.6 13.1 39.3





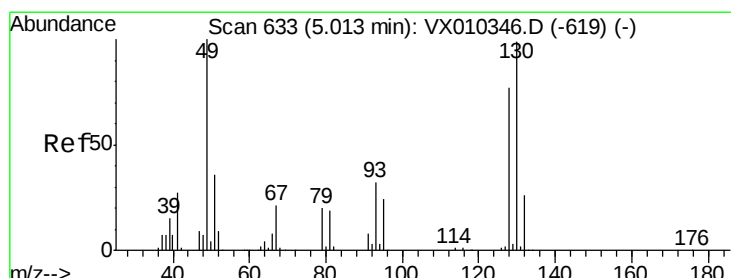
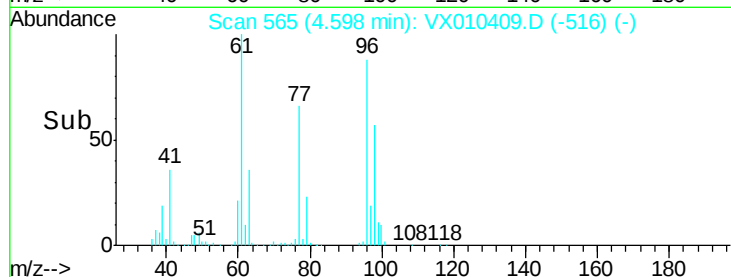
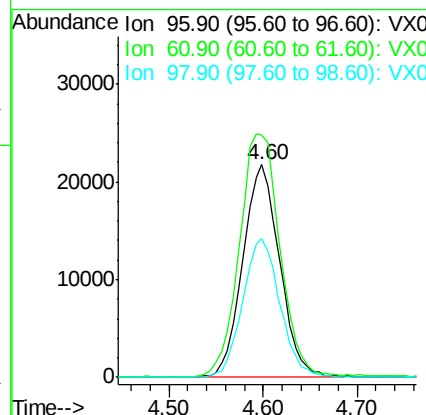
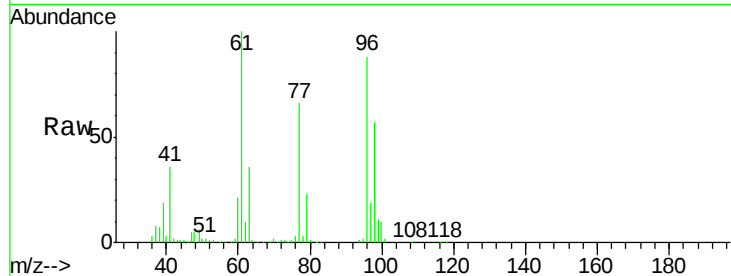
#27
 cis-1,2-Dichloroethene
 Concen: 19.729 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX010409.D
 Acq: 24 Jun 2019 13:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0624WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.4	0.0	251.8
98	65.8	0.0	129.4

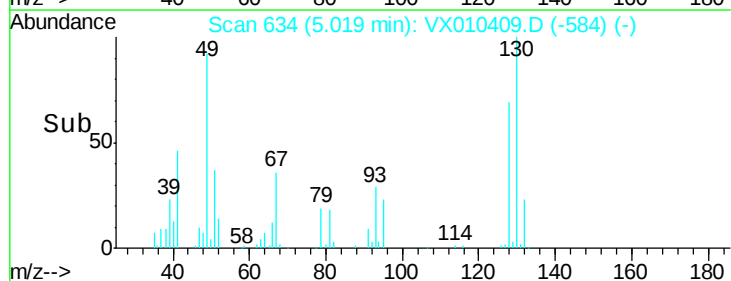
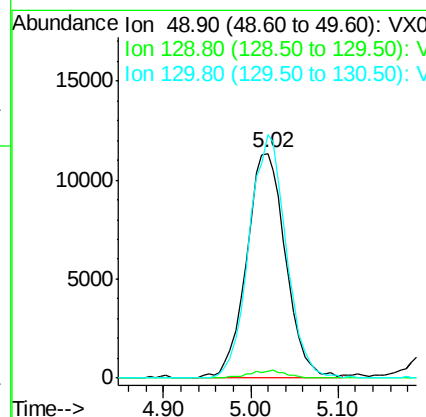
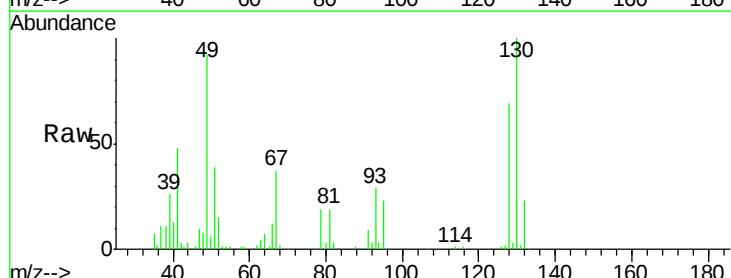
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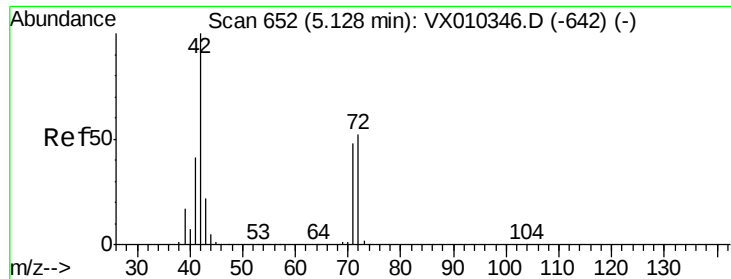
MMDadoda
 6/25/2019 9:01:45 AM



#28
 Bromochloromethane
 Concen: 17.673 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.01 min
 Lab File: VX010409.D
 Acq: 24 Jun 2019 13:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	5.6
130	102.6	81.4	122.0





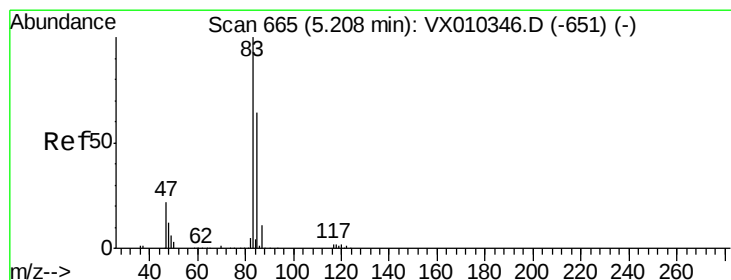
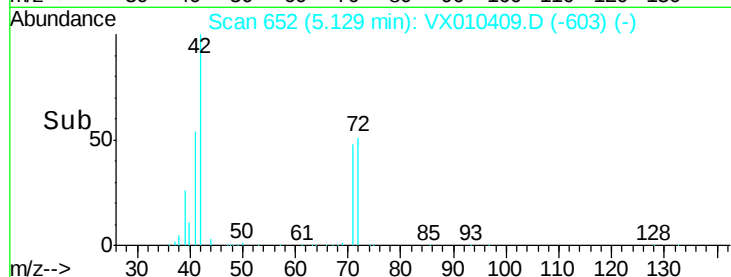
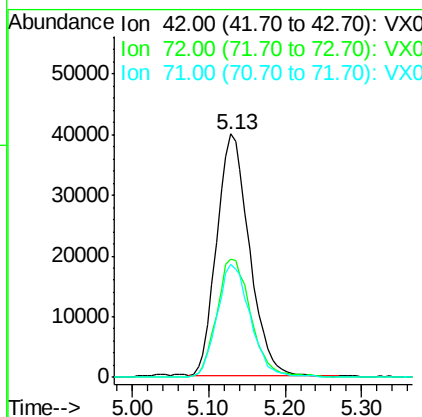
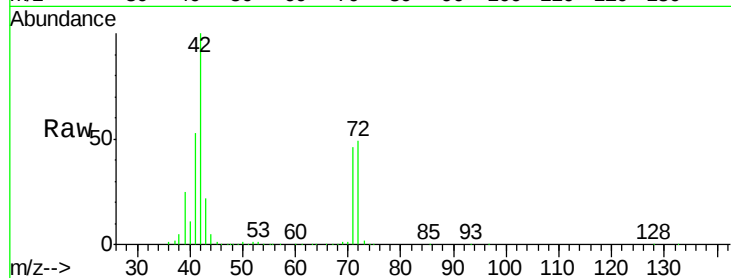
#29
Tetrahydrofuran
Concen: 98.564 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010409.D
Acq: 24 Jun 2019 13:41

Instrument :
MSVOA_X
ClientSampleId :
VX0624WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.4	40.6	60.8
71	47.4	37.8	56.8

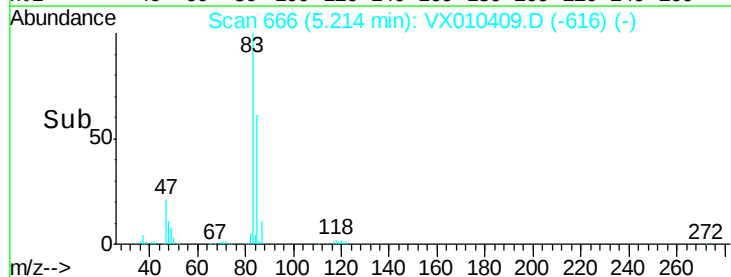
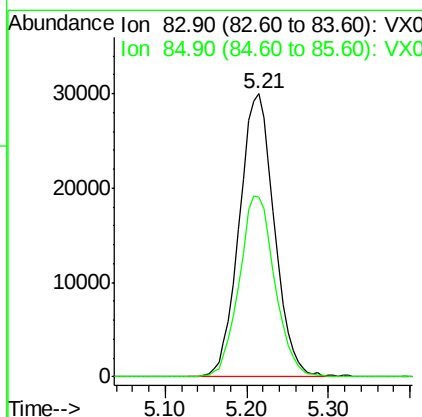
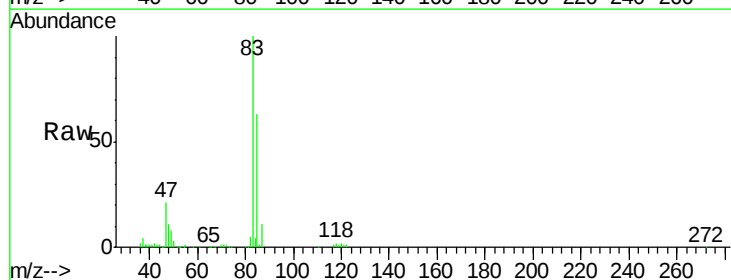
Manual Integrations
APPROVED

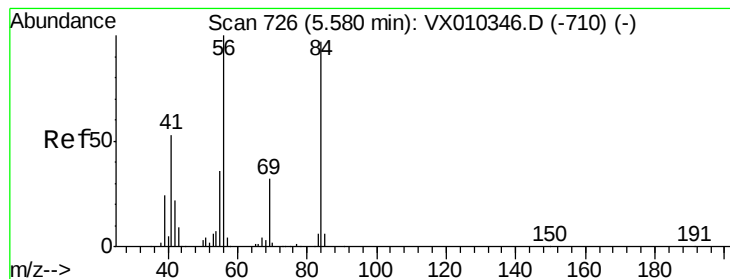
MMDadoda
6/25/2019 9:01:45 AM



#30
Chloroform
Concen: 19.935 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX010409.D
Acq: 24 Jun 2019 13:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.9	76.3





#31

Cyclohexane

Concen: 19.469 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

Instrument :

MSVOA_X

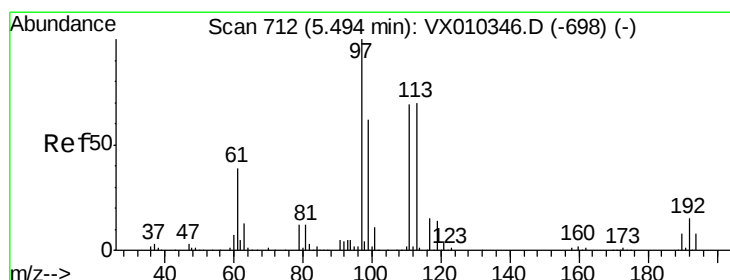
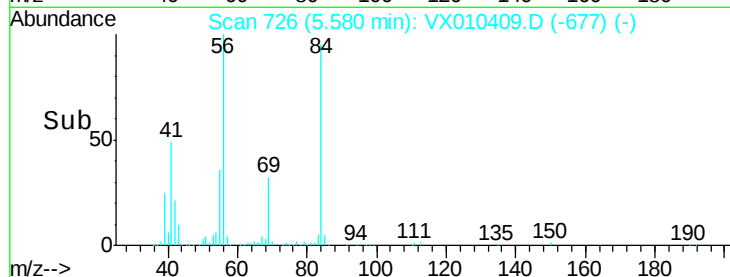
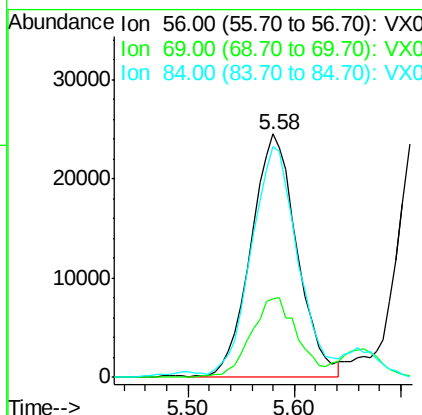
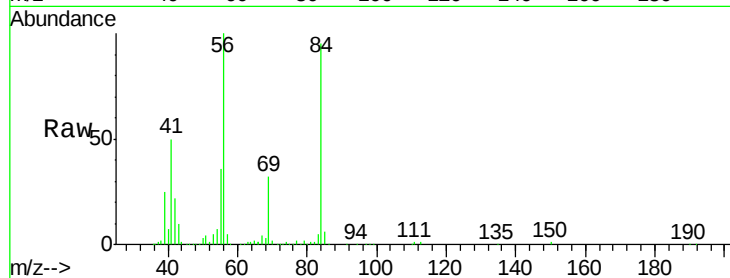
ClientSampleId :

VX0624WBSD01

Tot Ion:	56	Resp:	74109
Ion	Ratio	Lower	Upper
56	100		
69	32.2	25.9	38.9
84	92.7	78.0	117.0

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#32

1,1,1-Trichloroethane

Concen: 19.998 ug/l

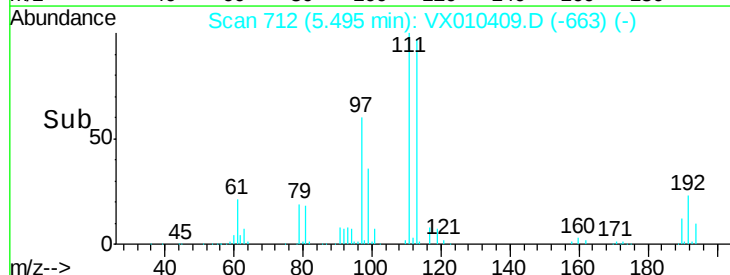
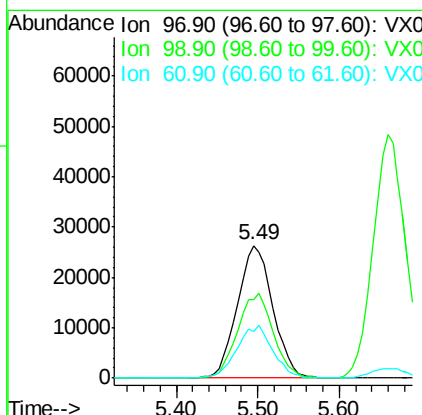
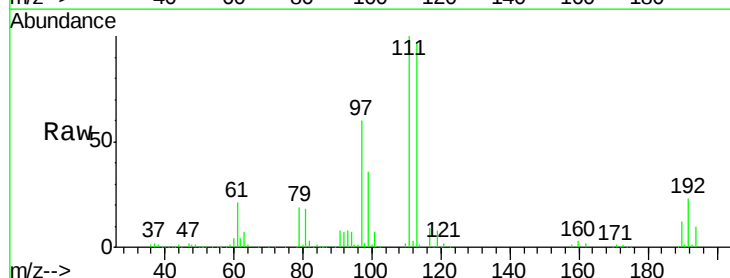
RT: 5.49 min Scan# 712

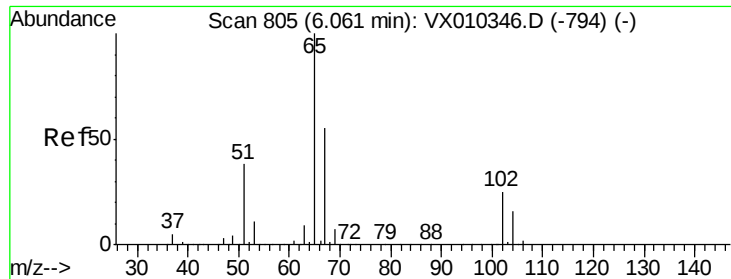
Delta R.T. 0.00 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

Tgt Ion:	97	Resp:	79417
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.8	77.8
61	39.8	32.1	48.1





#33

1,2-Dichloroethane-d4

Concen: 50.431 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

VX0624WBSD01

Tot Ion: 65 Resp: 132897

Ion Ratio Lower Upper

65 100

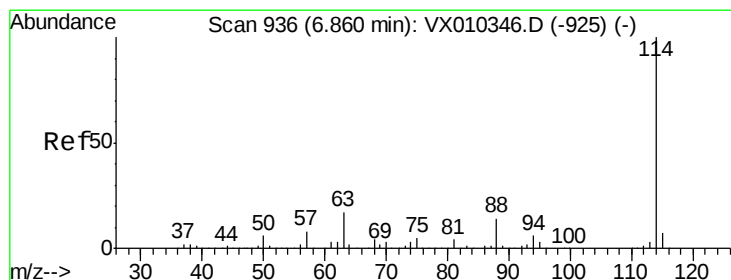
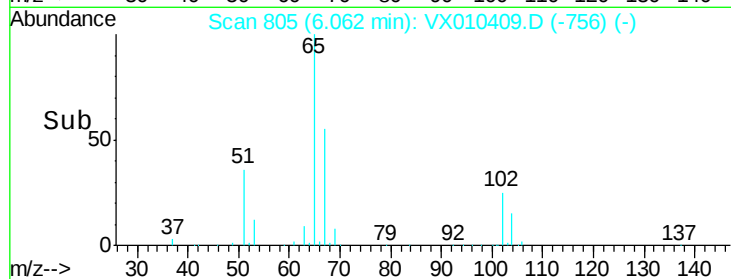
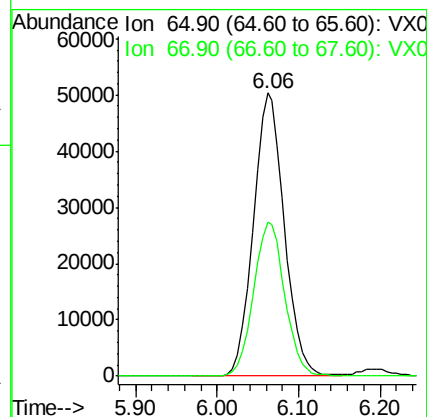
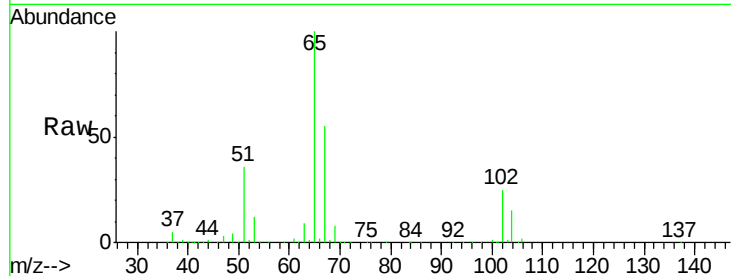
67 54.9 0.0 110.2

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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: VX010409.D

Acq: 24 Jun 2019 13:41

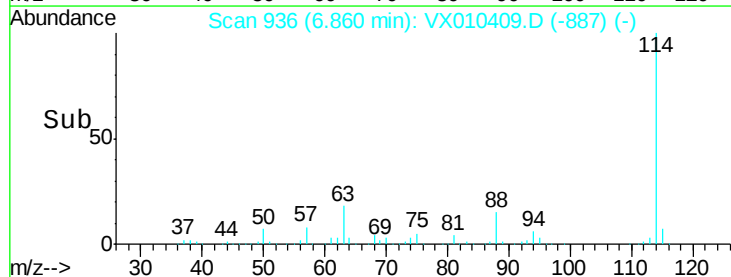
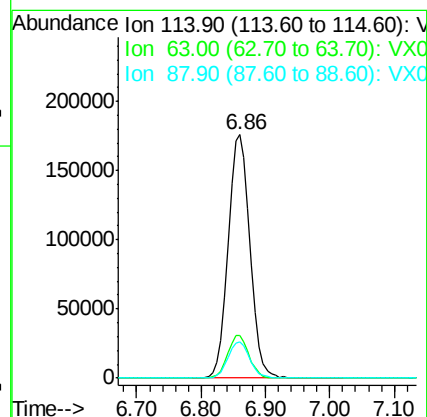
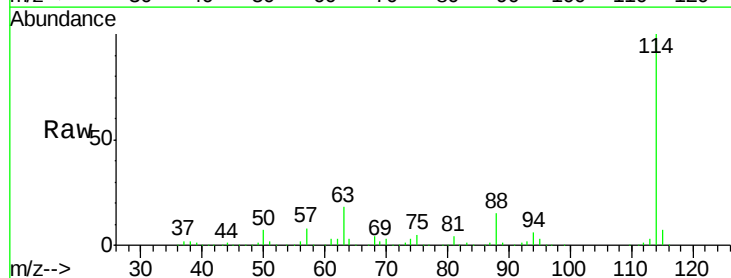
Tgt Ion: 114 Resp: 420692

Ion Ratio Lower Upper

114 100

63 17.8 0.0 33.8

88 14.8 0.0 27.6





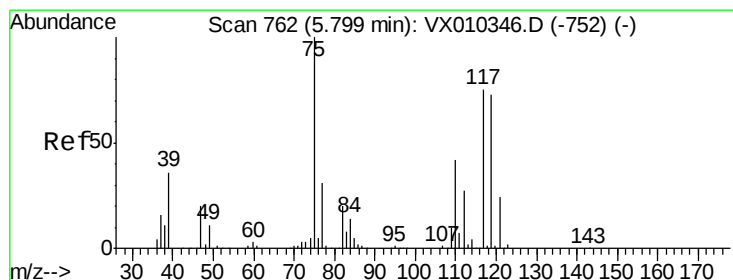
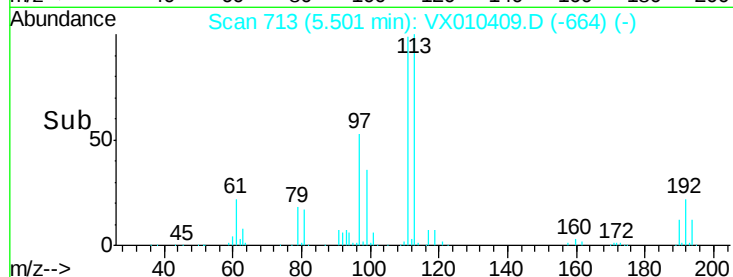
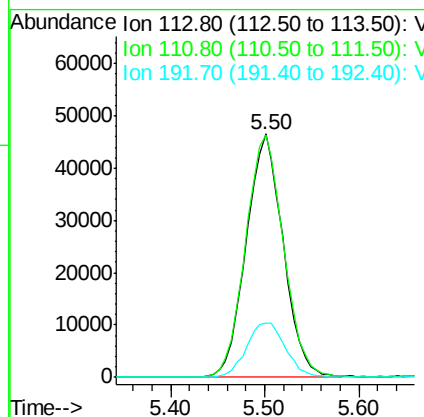
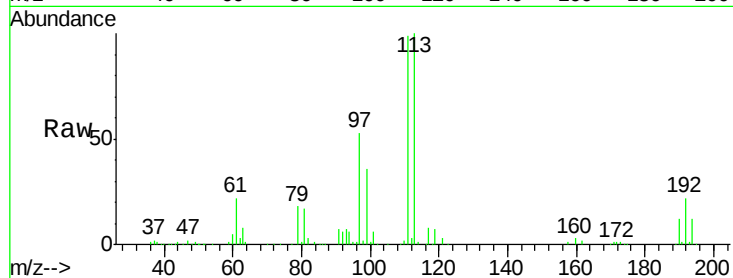
#35
Dibromofluoromethane
Concen: 49.747 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010409.D
Acq: 24 Jun 2019 13:41

Instrument :
MSVOA_X
ClientSampleId :
VX0624WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	128046		
111	102.8	81.2	121.8	
192	23.8	18.6	27.8	

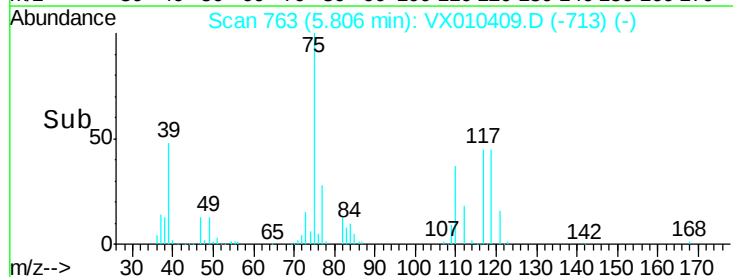
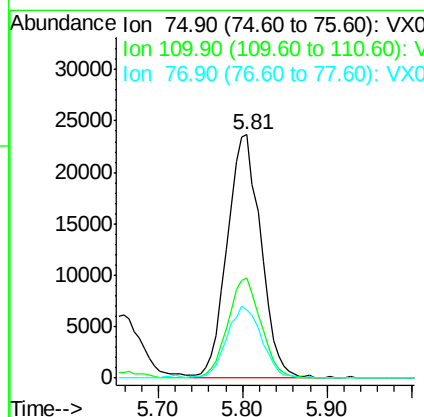
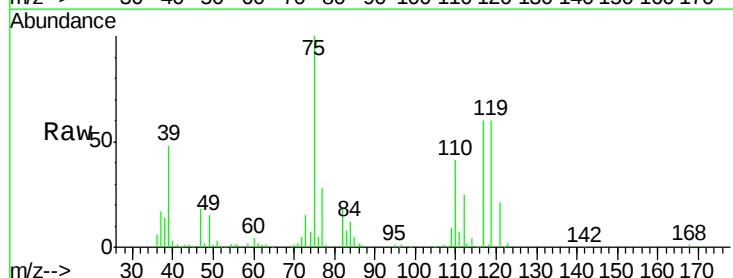
Manual Integrations
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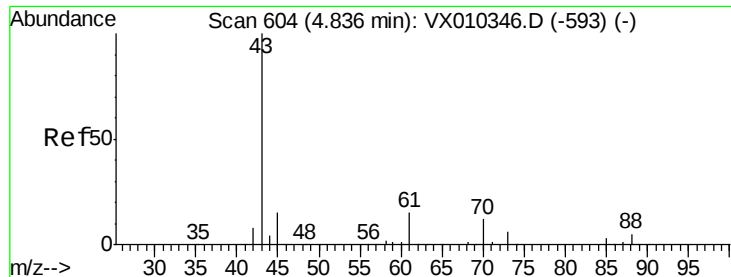
MMDadoda
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#36
1,1-Dichloropropene
Concen: 19.337 ug/l
RT: 5.81 min Scan# 763
Delta R.T. 0.01 min
Lab File: VX010409.D
Acq: 24 Jun 2019 13:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	64643		
110	40.8	20.8	62.2	
77	29.9	25.4	38.0	





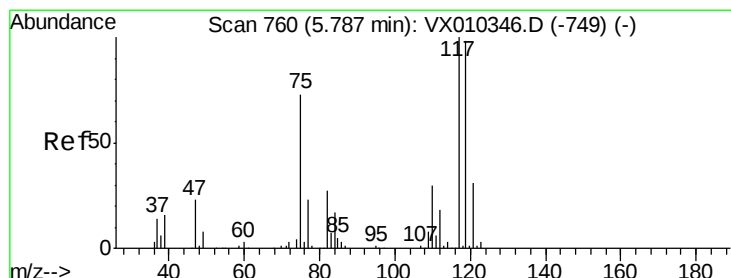
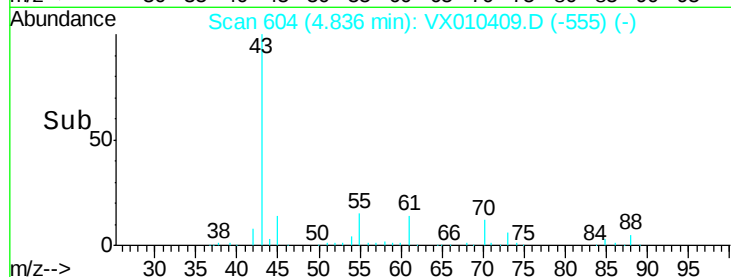
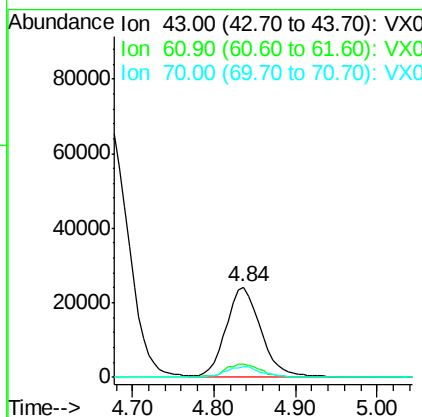
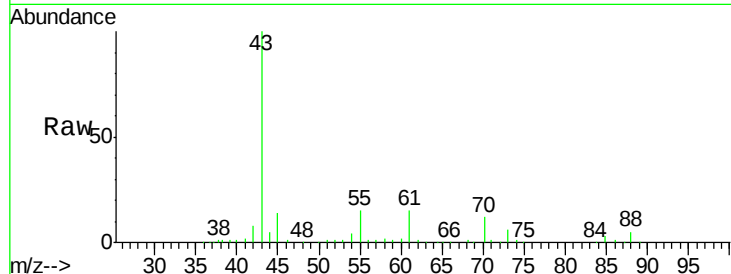
#37
Ethyl Acetate
Concen: 20.483 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX010409.D
Acq: 24 Jun 2019 13:41

Instrument :
MSVOA_X
ClientSampleId :
VX0624WBSD01

Tot Ion: 43 Resp: 70444
Ion Ratio Lower Upper
43 100
61 15.7 12.4 18.6
70 12.4 9.8 14.8

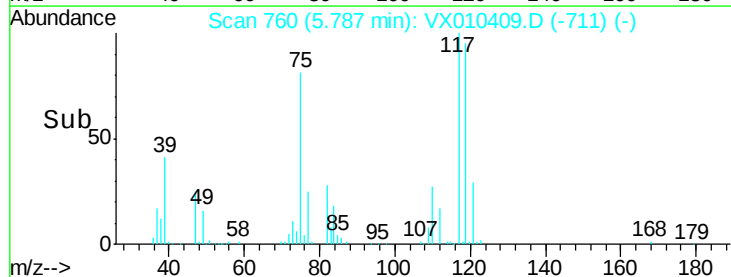
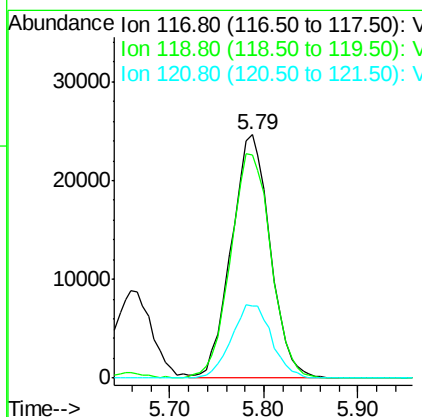
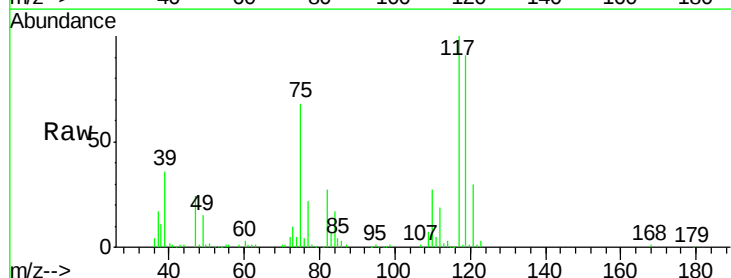
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#38
Carbon Tetrachloride
Concen: 19.601 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX010409.D
Acq: 24 Jun 2019 13:41

Tgt Ion: 117 Resp: 70956
Ion Ratio Lower Upper
117 100
119 91.3 78.2 117.4
121 29.5 24.7 37.1





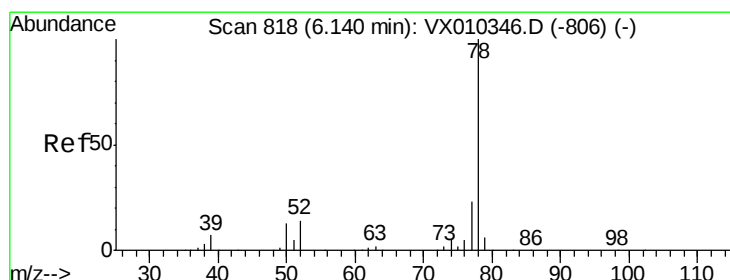
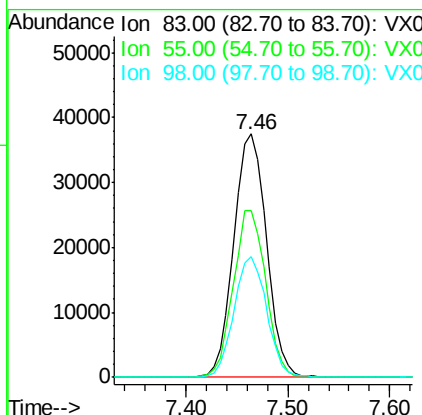
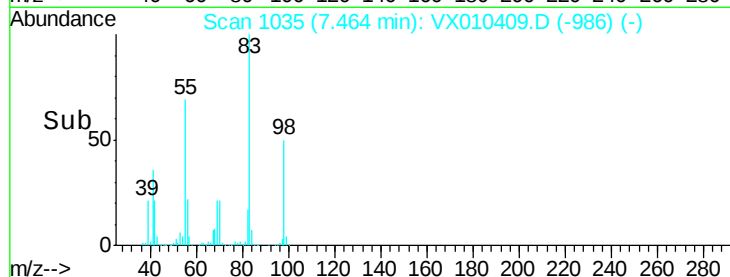
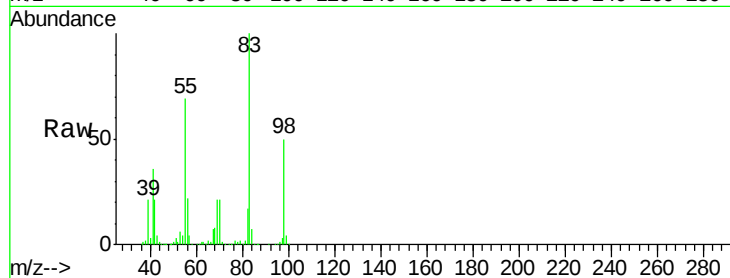
#39
Methvlcvclohexane
Concen: 19.057 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010409.D
Acq: 24 Jun 2019 13:41

Instrument :
MSVOA_X
ClientSampleId :
VX0624WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.5	53.0	79.6
98	49.4	37.8	56.8

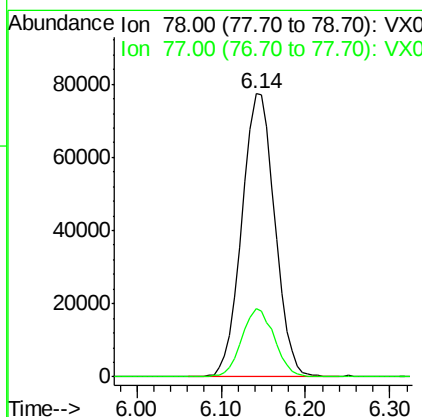
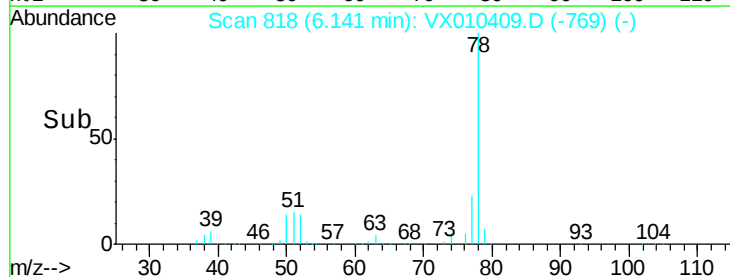
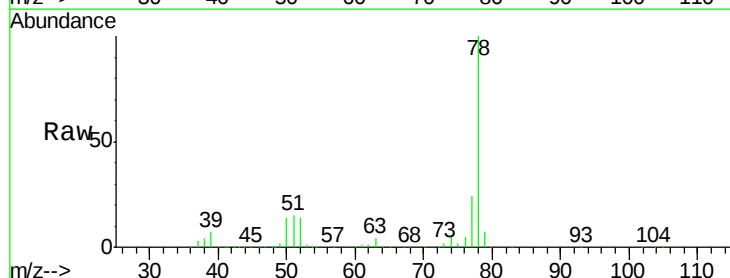
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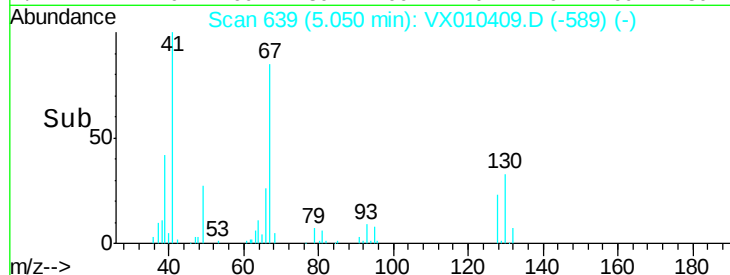
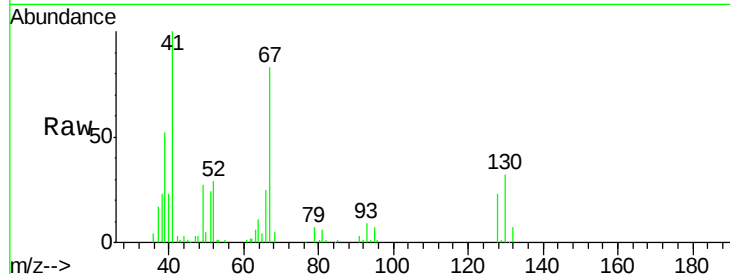
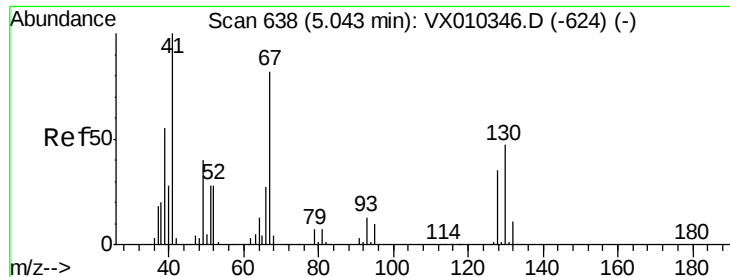
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#40
Benzene
Concen: 19.680 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010409.D
Acq: 24 Jun 2019 13:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.6	28.0





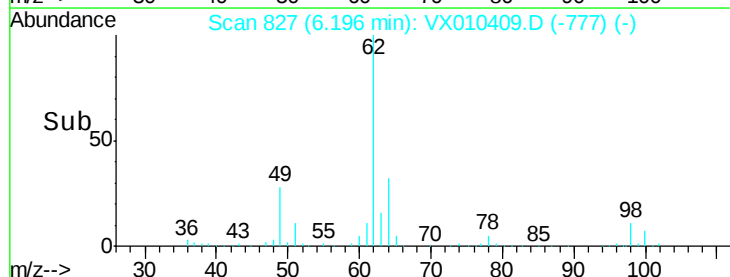
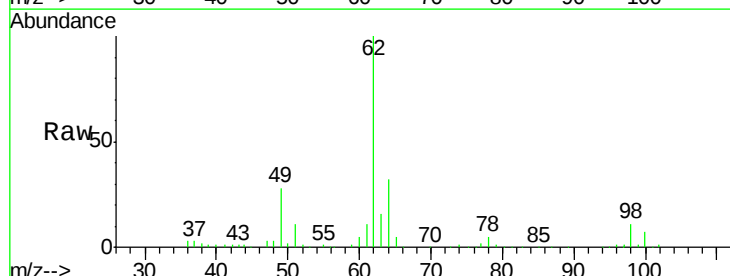
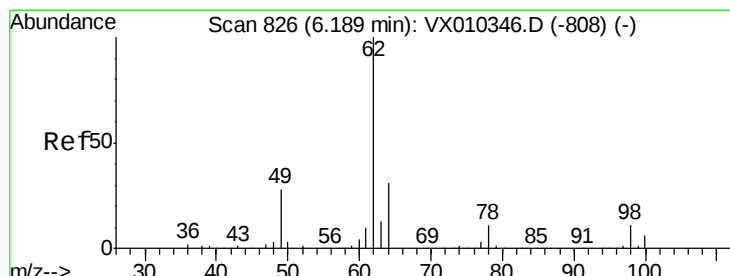
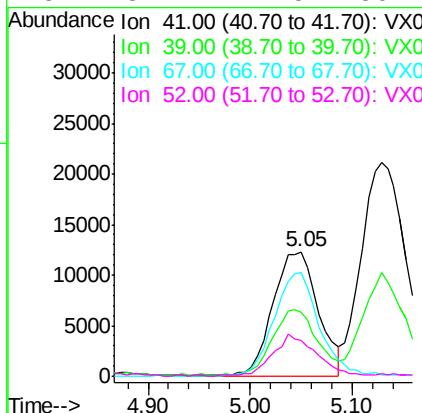
#41
Methacrylonitrile
Concen: 20.113 ug/l
RT: 5.05 min Scan# 639
Delta R.T. 0.01 min
Lab File: VX010409.D
Acq: 24 Jun 2019 13:41

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		37954		
39	52.3	43.8	65.8		
67	83.3	66.6	100.0		
52	32.7	24.5	36.7		

Instrument :
MSVOA_X
ClientSampleId :
VX0624WBSD01

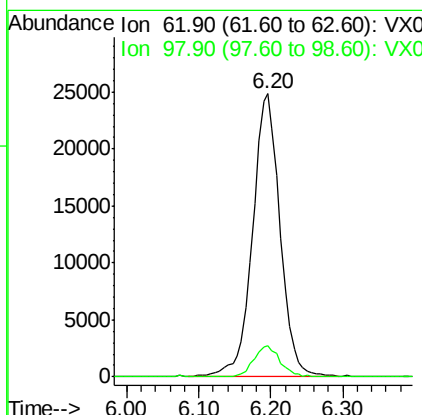
Manual Integrations
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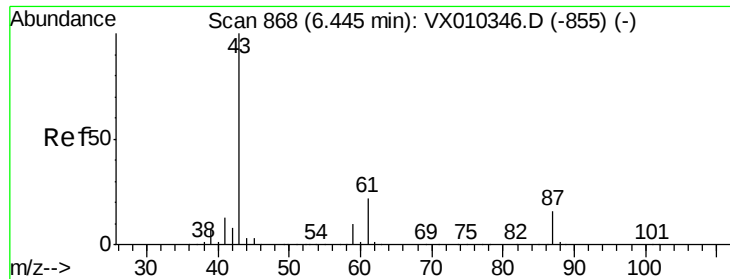
MMDadoda
6/25/2019 9:01:45 AM



#42
1,2-Dichloroethane
Concen: 20.836 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX010409.D
Acq: 24 Jun 2019 13:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		66059		
98	10.6	0.0	22.2		





#43

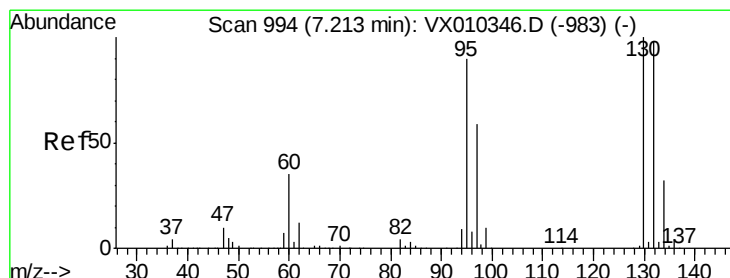
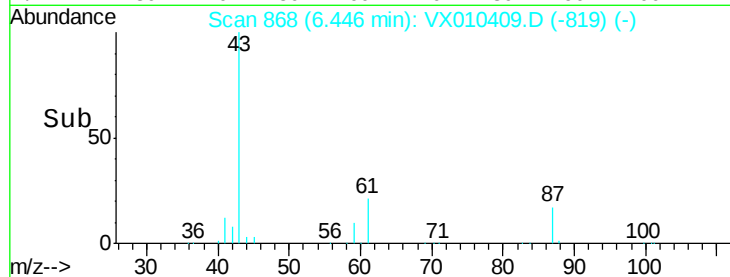
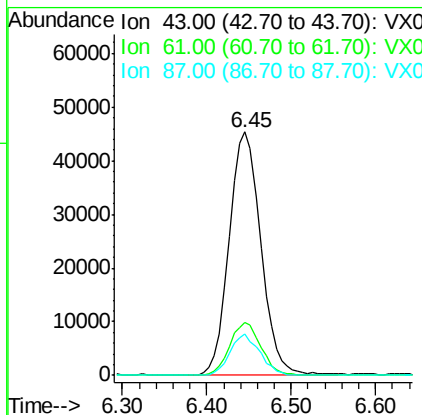
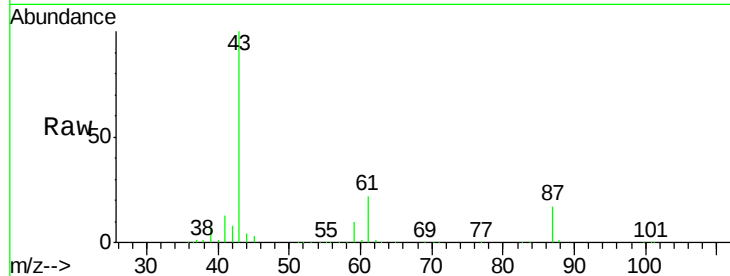
Isopropyl Acetate
 Concen: 20.213 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX010409.D
 Acq: 24 Jun 2019 13:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0624WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.6	17.8	26.6
87	16.2	13.0	19.4

Manual Integrations
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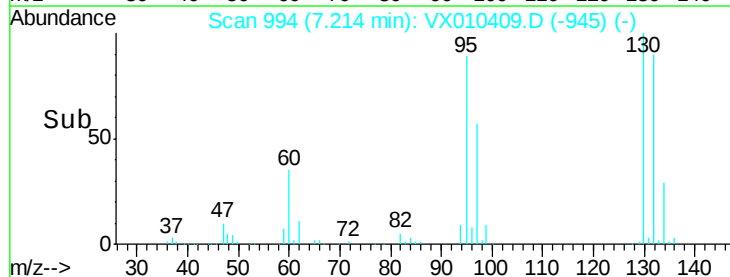
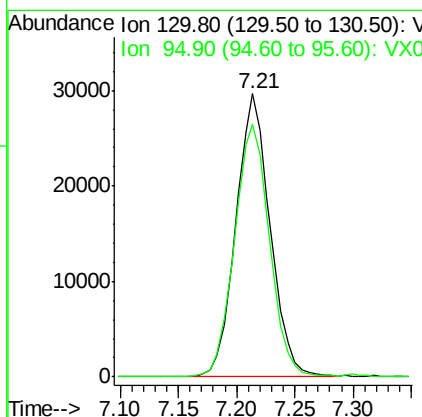
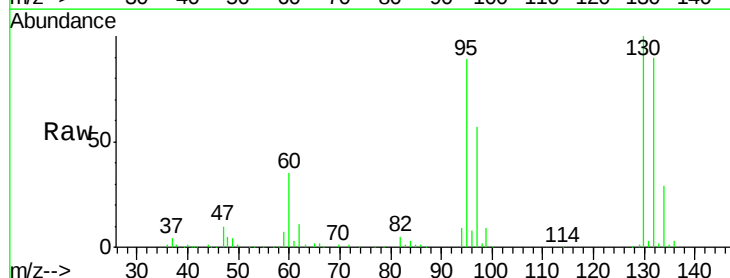
MMDadoda
 6/25/2019 9:01:45 AM

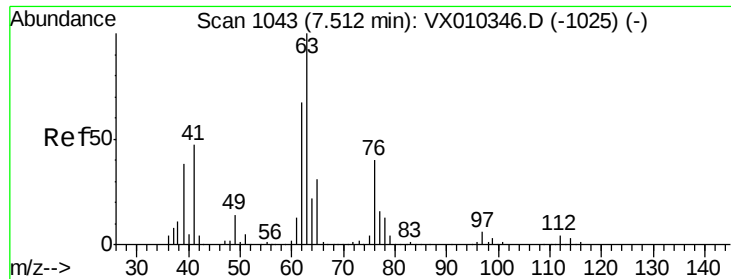


#44

Trichloroethene
 Concen: 19.468 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX010409.D
 Acq: 24 Jun 2019 13:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.0	0.0	180.8





#45

1,2-Dichloropropane

Concen: 19.614 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

VX0624WBSD01

Tot Ion: 63 Resp: 51587

Ion Ratio Lower Upper

63 100

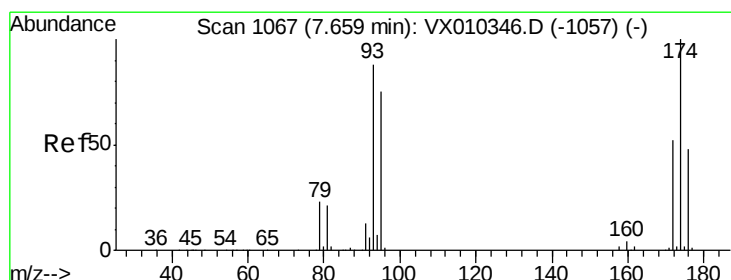
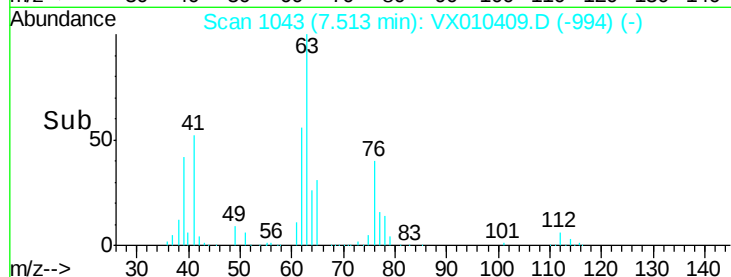
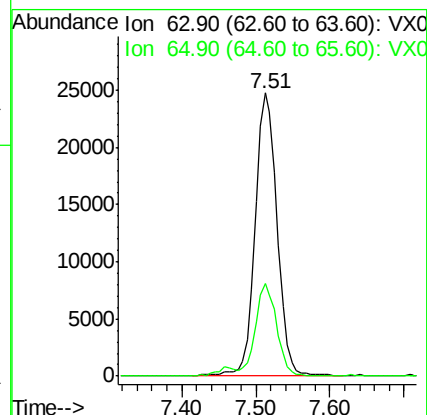
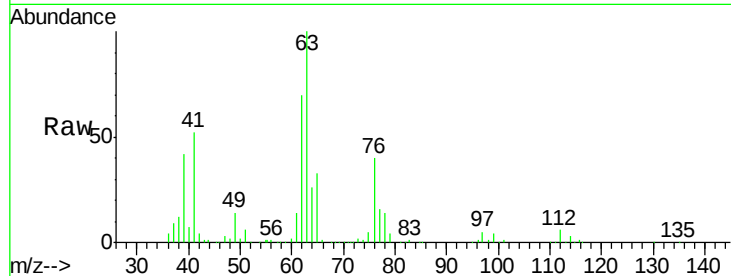
65 32.6 24.8 37.2

Manual Integrations

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#46

Dibromomethane

Concen: 19.573 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

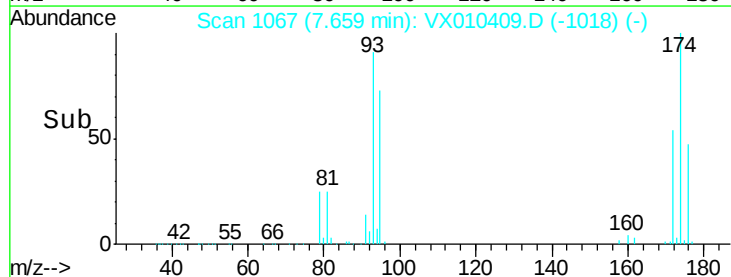
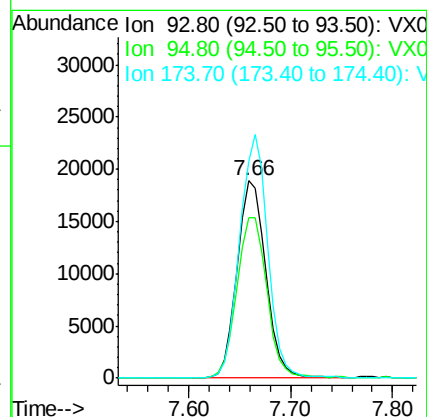
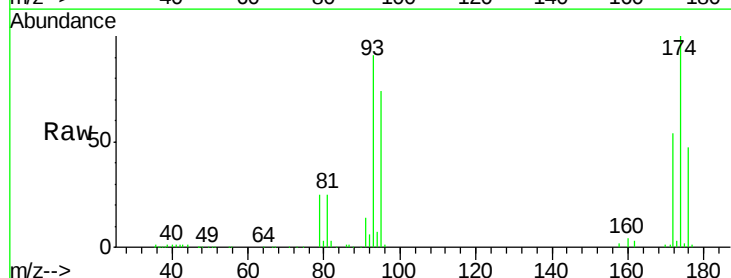
Tgt Ion: 93 Resp: 36935

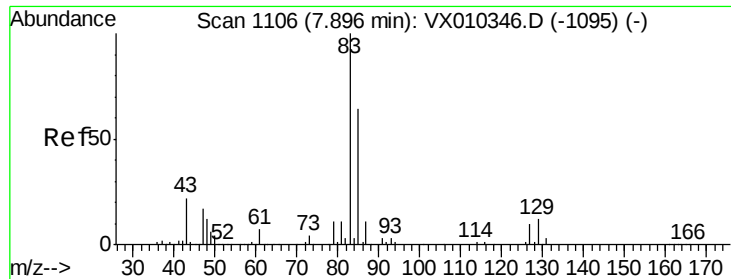
Ion Ratio Lower Upper

93 100

95 84.5 67.5 101.3

174 120.3 95.8 143.6





#47

Bromodichloromethane

Concen: 19.570 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

Instrument :

MSVOA_X

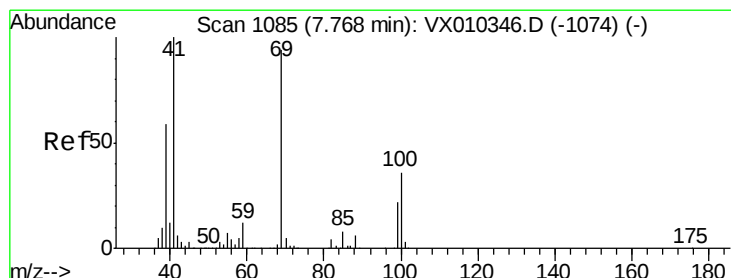
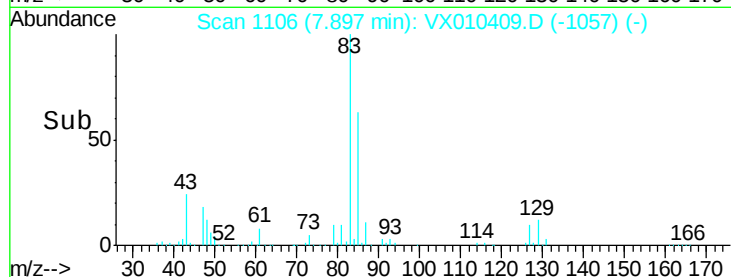
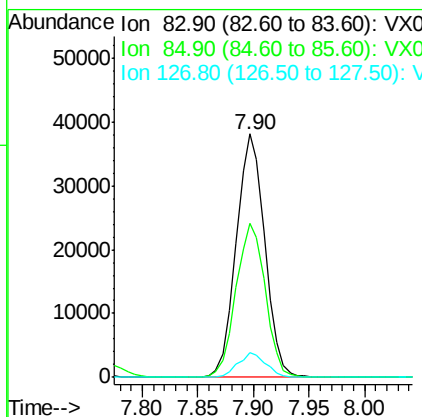
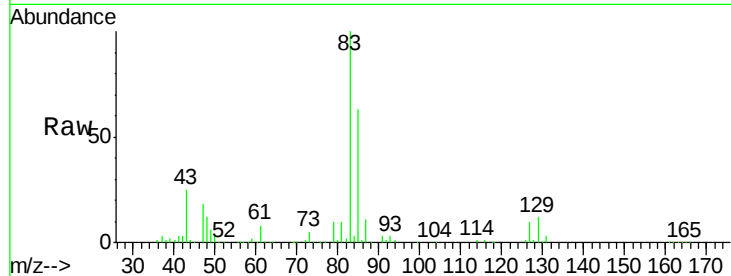
ClientSampleId :

VX0624WBSD01

Tot Ion:	83	Resp:	67678
Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.5	77.3
127	9.9	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.019 ug/l

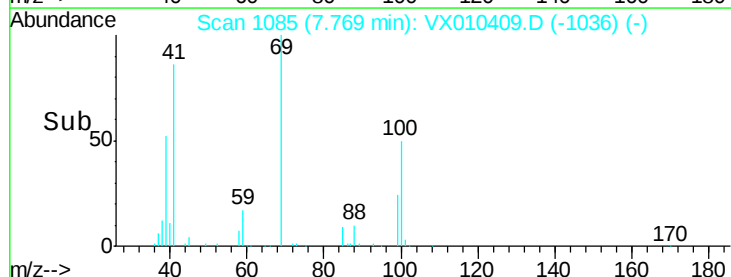
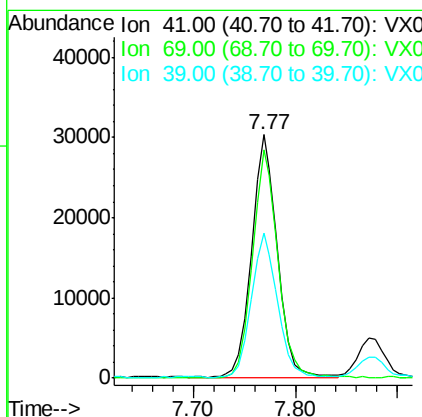
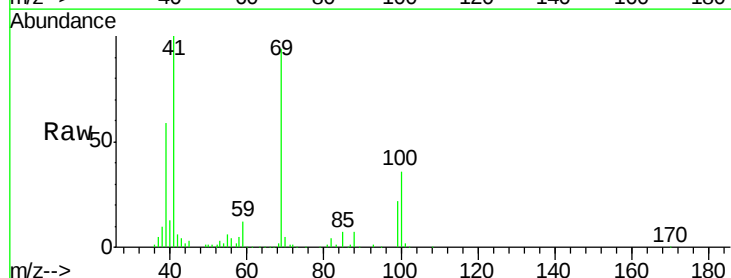
RT: 7.77 min Scan# 1085

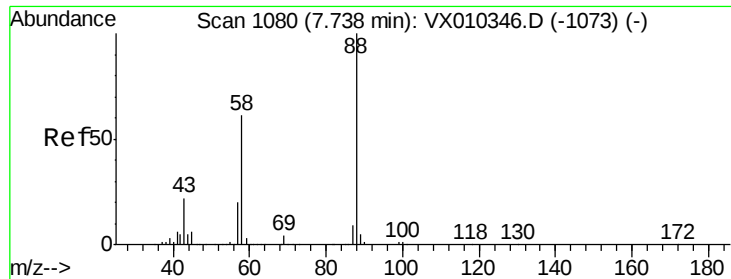
Delta R.T. 0.00 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

Tgt Ion:	41	Resp:	52947
Ion	Ratio	Lower	Upper
41	100		
69	94.6	76.1	114.1
39	60.9	47.6	71.4





#49

1,4-Dioxane

Concen: 405.403 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

Instrument :

MSVOA_X

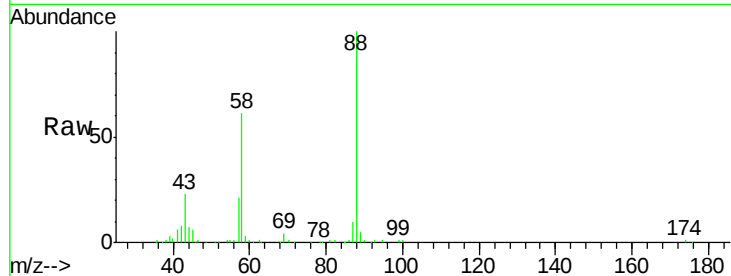
ClientSampleId :

VX0624WBSD01

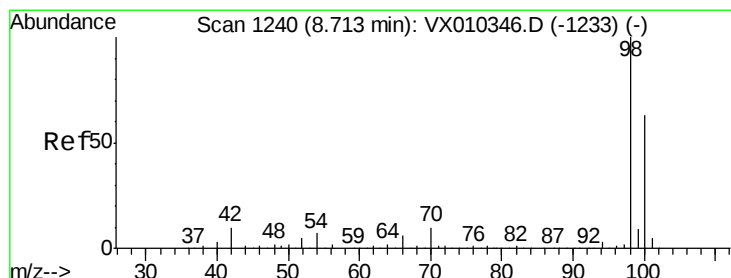
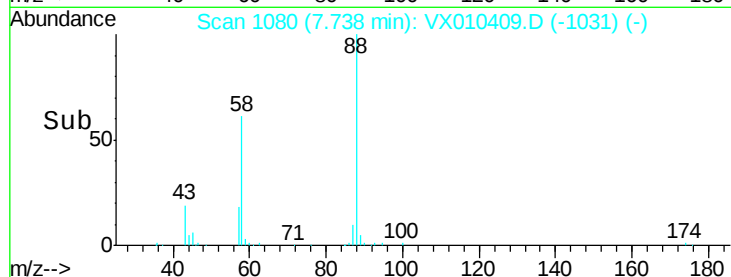
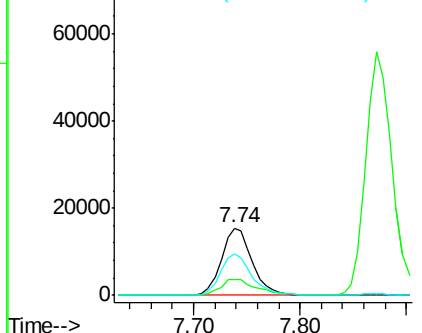
Tot Ion:	88	Resp:	30888
Ion	Ratio	Lower	Upper
88	100		
43	26.4	20.2	30.2
58	63.0	49.5	74.3

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



#50

Toluene-d8

Concen: 49.807 ug/l

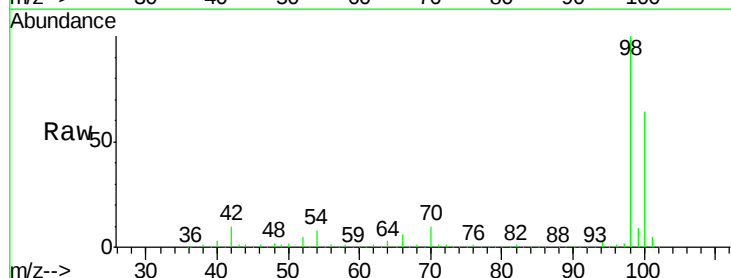
RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

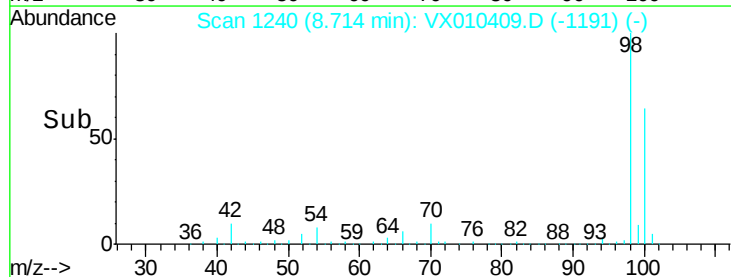
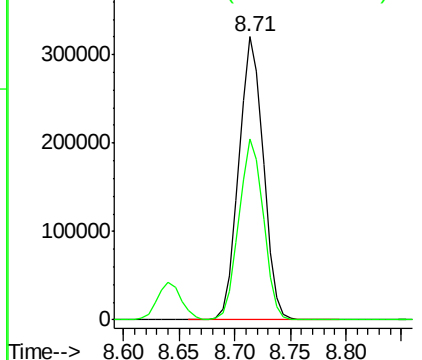
Lab File: VX010409.D

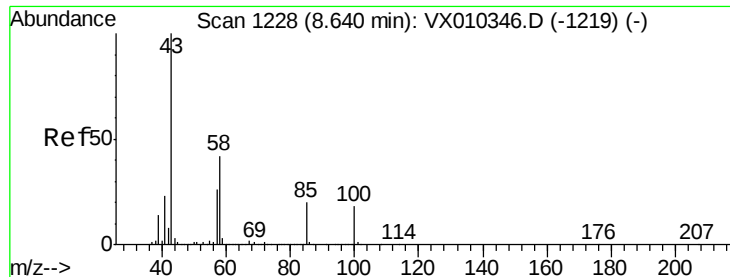
Acq: 24 Jun 2019 13:41

Tgt Ion:	98	Resp:	490473
Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.6	77.4



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





#51

4-Methyl-2-Pentanone

Concen: 100.115 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

Instrument :

MSVOA_X

ClientSampleID :

VX0624WBSD01

Tot Ion: 43 Resp: 364336

Ion Ratio Lower Upper

43 100

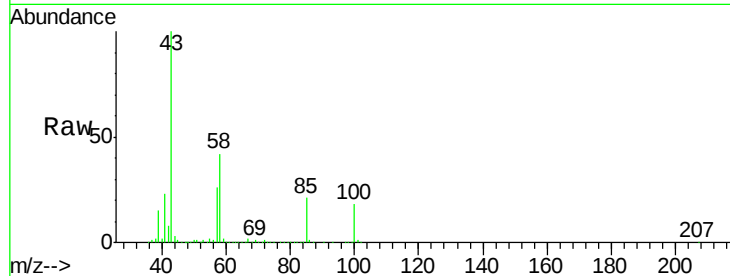
58 41.2 33.5 50.3

Manual Integrations

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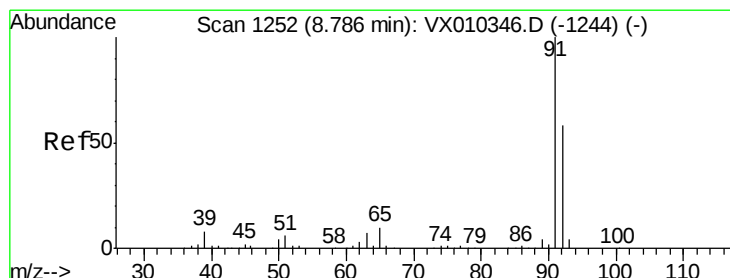
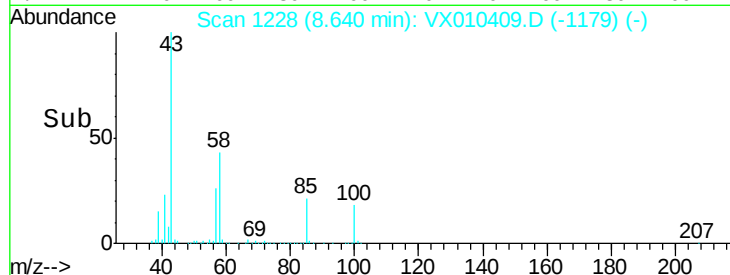
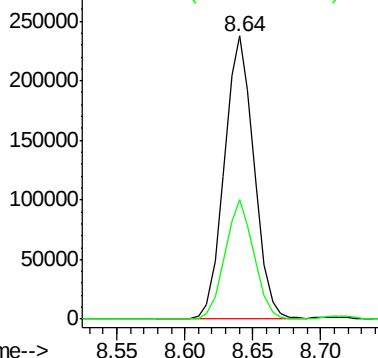
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.817 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX010409.D

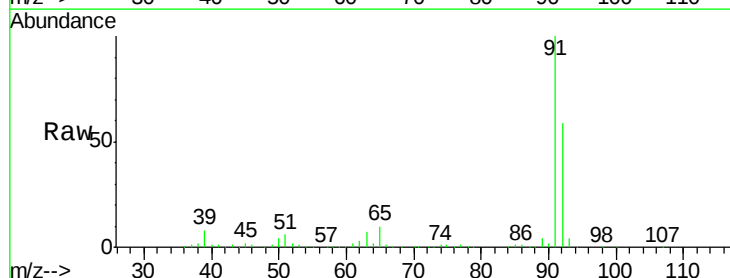
Acq: 24 Jun 2019 13:41

Tgt Ion: 92 Resp: 135918

Ion Ratio Lower Upper

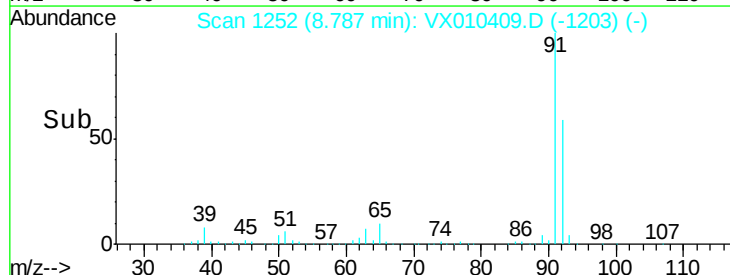
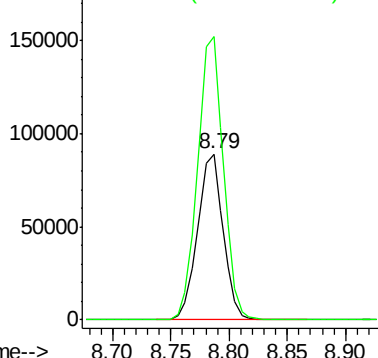
92 100

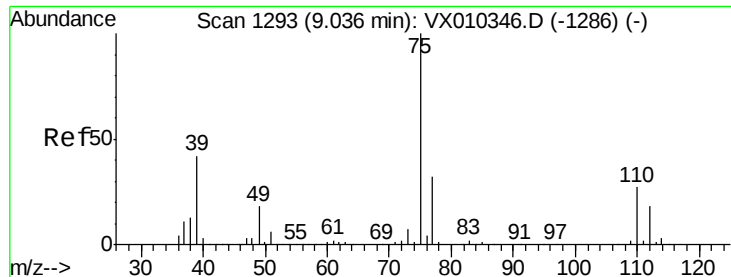
91 172.8 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





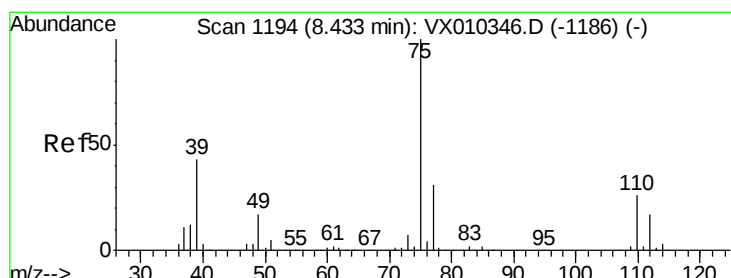
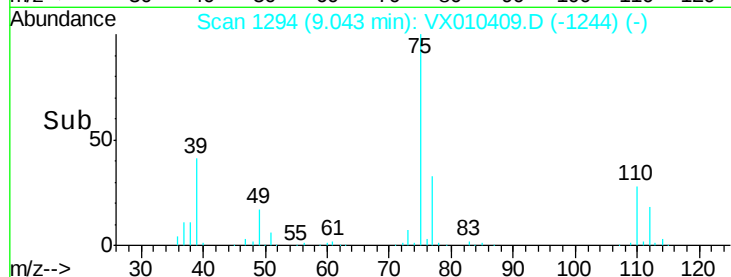
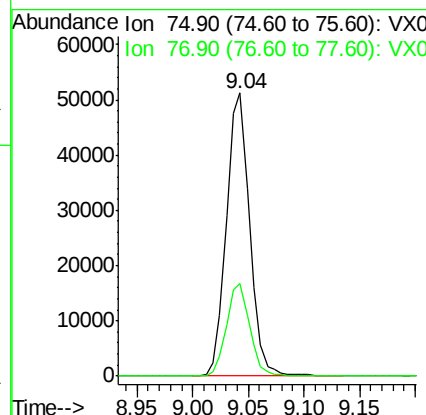
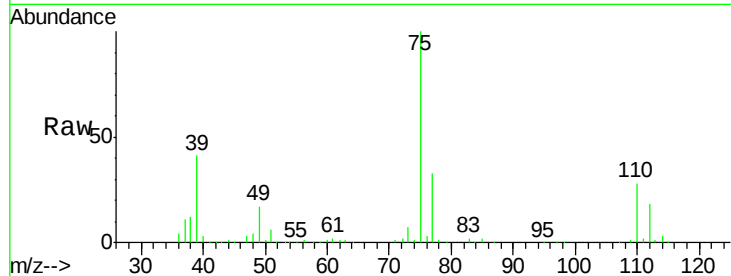
#53
t-1,3-Dichloropropene
Concen: 19.119 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX010409.D
Acq: 24 Jun 2019 13:41

Instrument :
MSVOA_X
ClientSampleId :
VX0624WBSD01

Tot Ion: 75 Resp: 74129
Ion Ratio Lower Upper
75 100
77 32.5 25.4 38.2

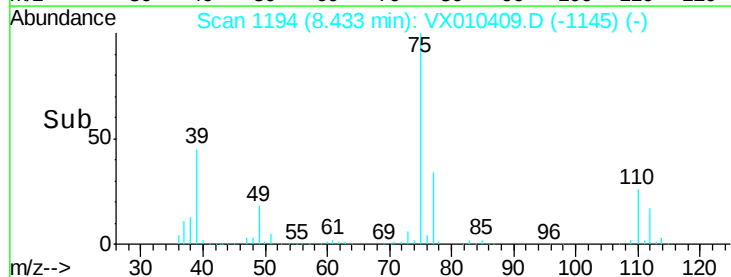
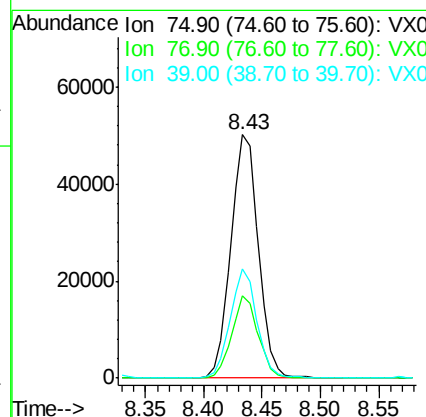
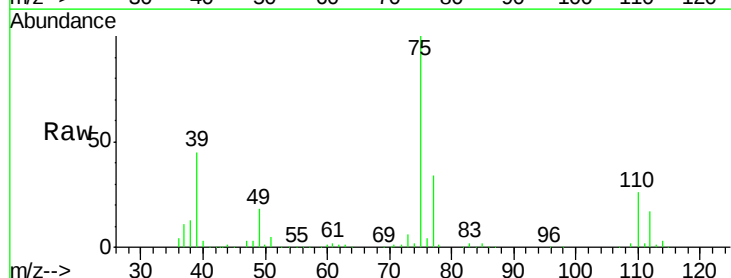
Manual Integrations
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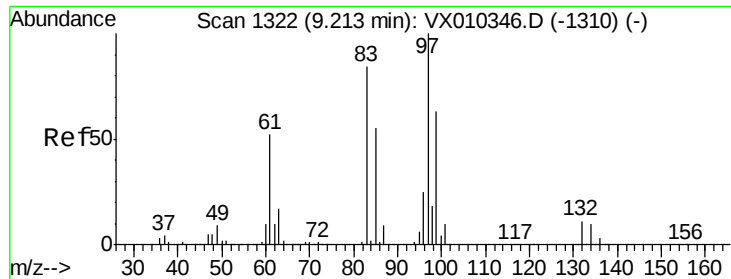
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6/25/2019 9:01:45 AM



#54
cis-1,3-Dichloropropene
Concen: 19.538 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010409.D
Acq: 24 Jun 2019 13:41

Tgt Ion: 75 Resp: 82320
Ion Ratio Lower Upper
75 100
77 33.6 25.2 37.8
39 44.9 34.5 51.7





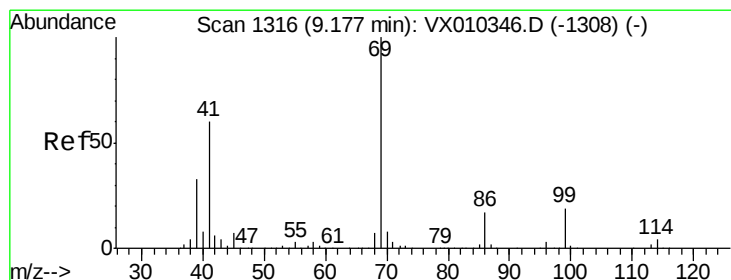
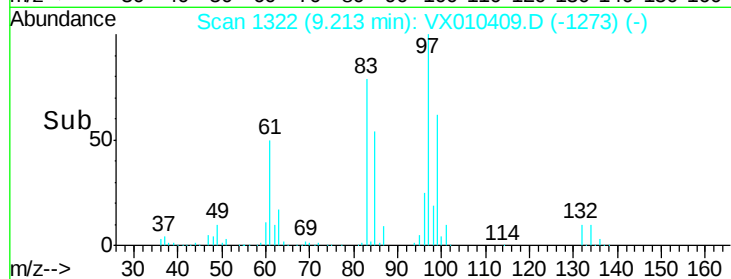
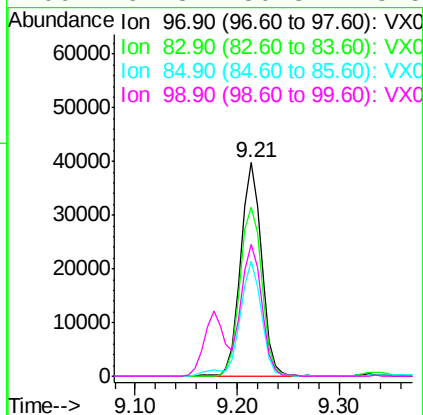
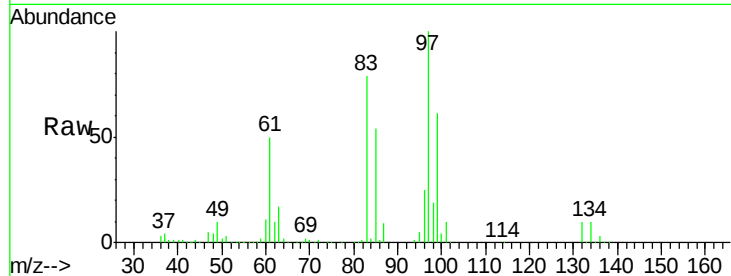
#55
 1,1,2-Trichloroethane
 Concen: 19.977 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010409.D
 Acq: 24 Jun 2019 13:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0624WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	79.0	67.4	101.0
85	53.9	43.8	65.8
99	61.3	50.3	75.5

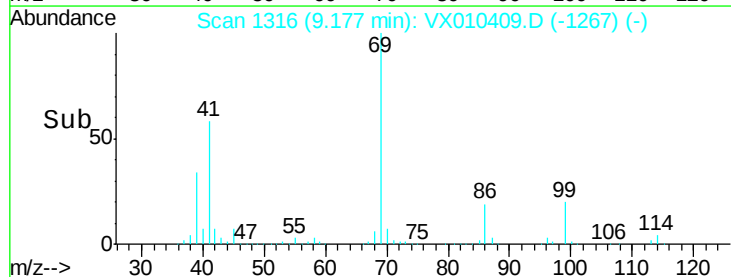
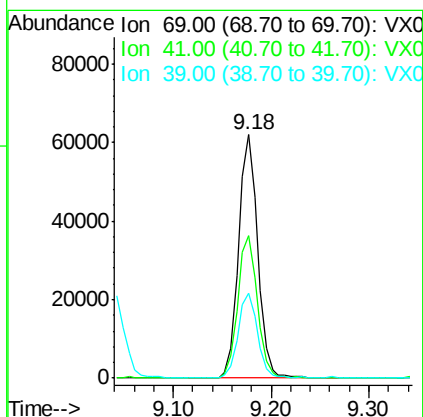
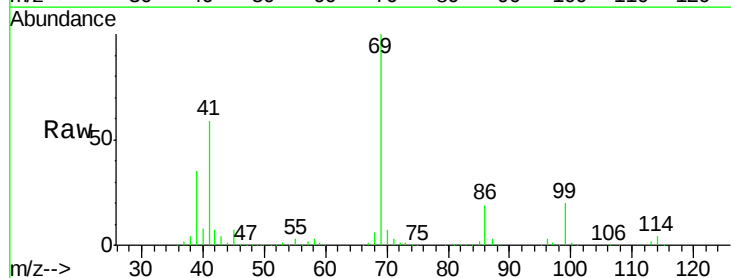
Manual Integrations
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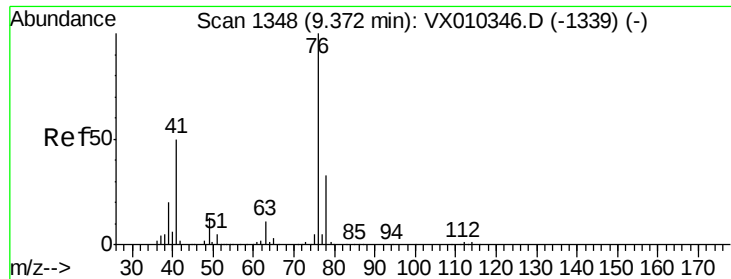
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 6/25/2019 9:01:45 AM



#56
 Ethyl methacrylate
 Concen: 19.696 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010409.D
 Acq: 24 Jun 2019 13:41

Tgt Ion	Ratio	Lower	Upper
69	100		
41	59.1	47.1	70.7
39	34.6	26.6	40.0





#57

1,3-Dichloropropane

Concen: 19.812 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

VX0624WBSD01

Tot Ion: 76 Resp: 86994

Ion Ratio Lower Upper

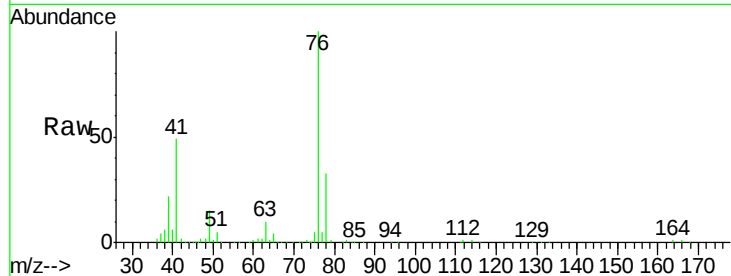
76 100

78 33.1 26.1 39.1

Manual Integrations
APPROVED

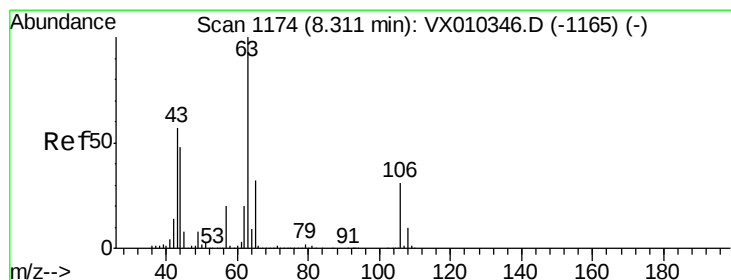
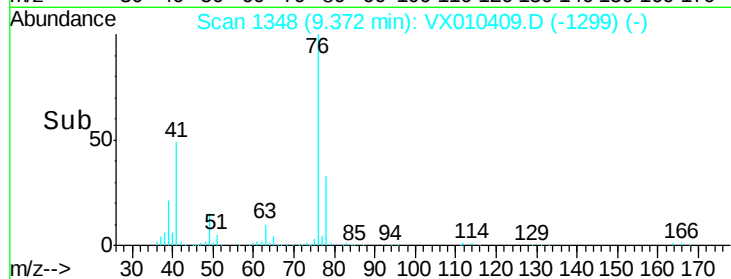
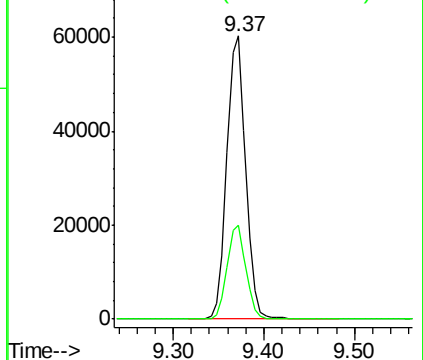
MMDadoda

6/25/2019 9:01:45 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 98.778 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX010409.D

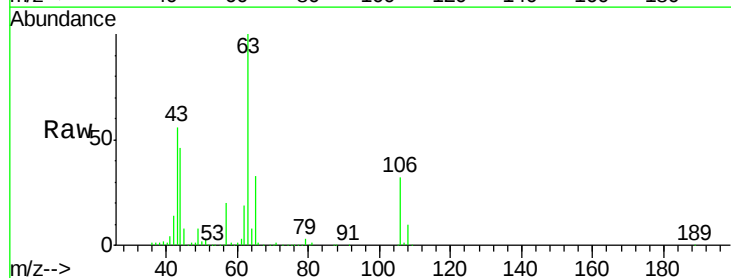
Acq: 24 Jun 2019 13:41

Tgt Ion: 63 Resp: 201024

Ion Ratio Lower Upper

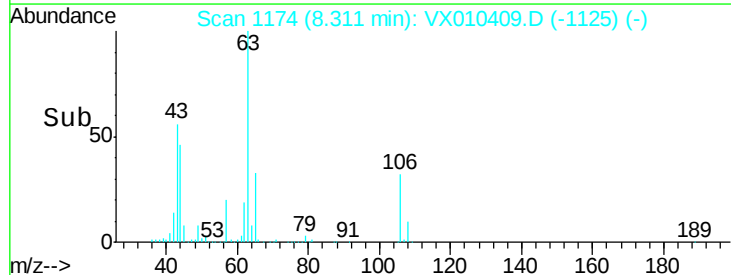
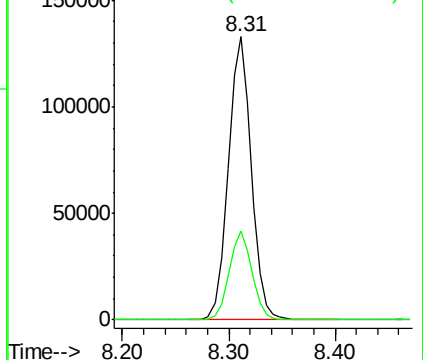
63 100

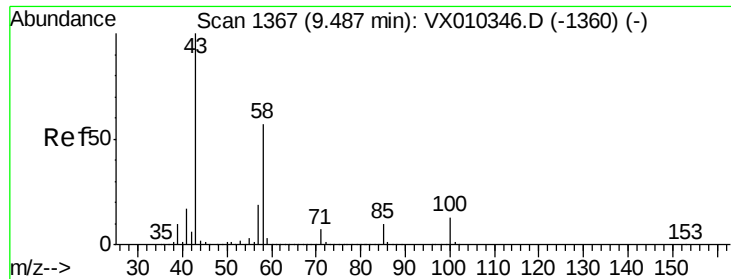
106 31.2 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





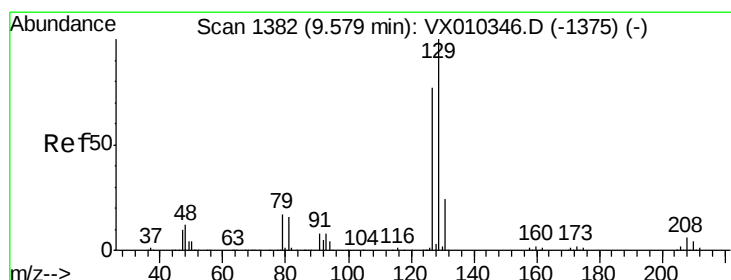
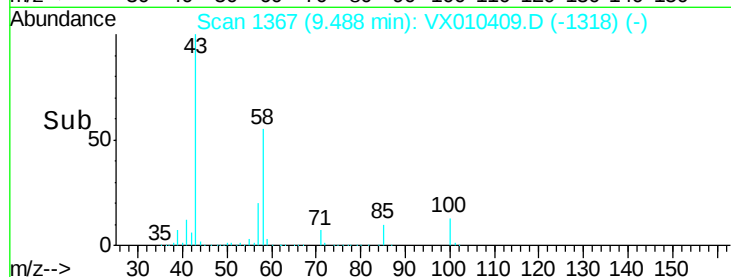
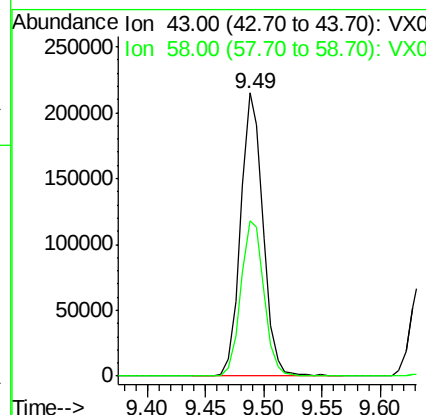
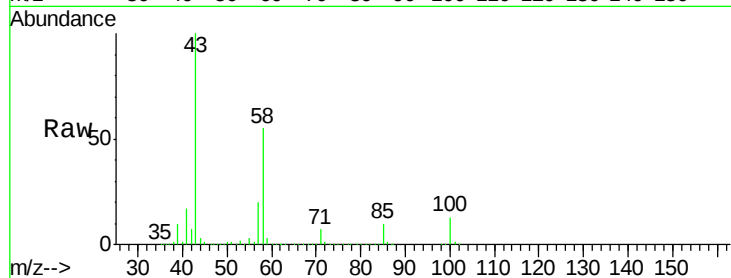
#59
2-Hexanone
Concen: 100.390 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010409.D
Acq: 24 Jun 2019 13:41

Instrument :
MSVOA_X
ClientSampleId :
VX0624WBSD01

Tot Ion: 43 Resp: 287531
Ion Ratio Lower Upper
43 100
58 56.8 29.0 87.1

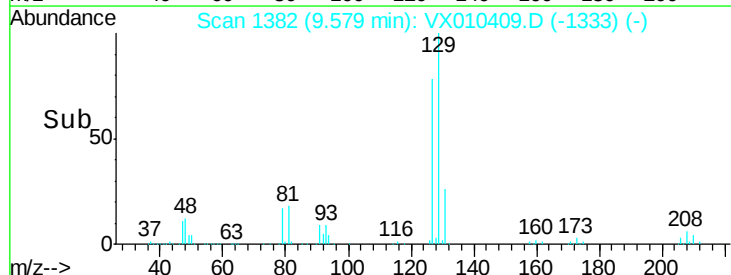
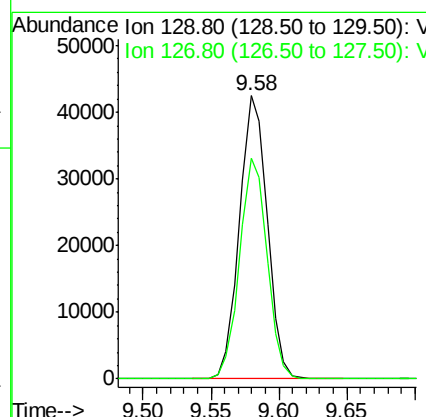
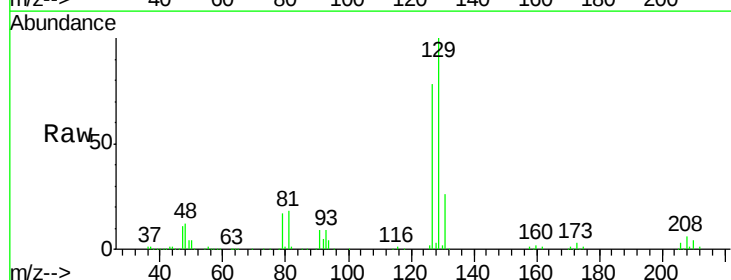
Manual Integrations
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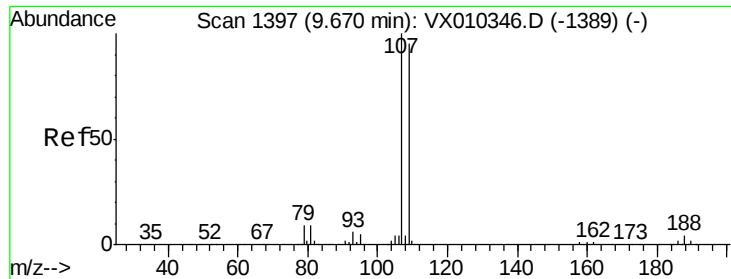
MMDadoda
6/25/2019 9:01:45 AM



#60
Dibromochloromethane
Concen: 19.170 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010409.D
Acq: 24 Jun 2019 13:41

Tgt Ion: 129 Resp: 60714
Ion Ratio Lower Upper
129 100
127 77.2 38.4 115.1





#61

1,2-Dibromoethane

Concen: 19.585 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

VX0624WBSD01

Tot Ion: 107 Resp: 59799

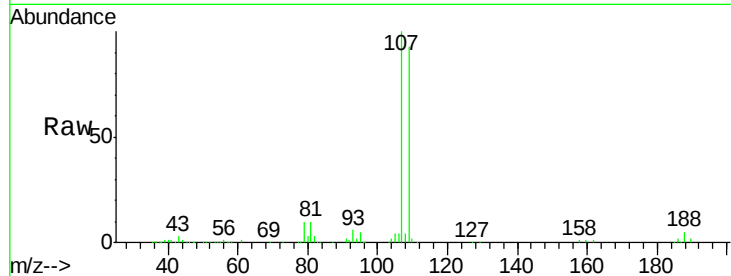
Ion Ratio Lower Upper

107 100

109 94.8 75.8 113.6

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

40000

30000

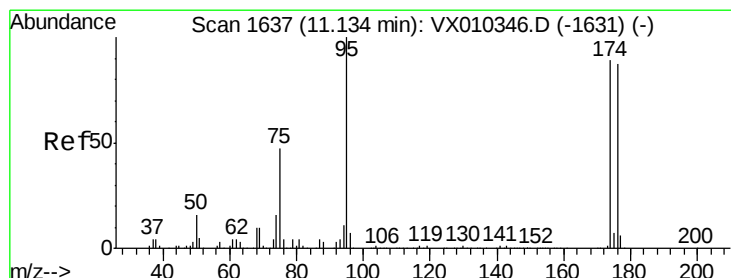
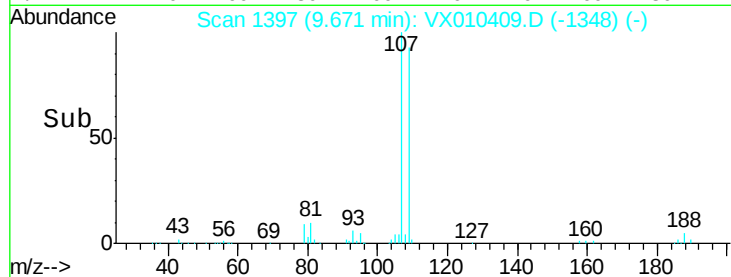
20000

10000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 49.726 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

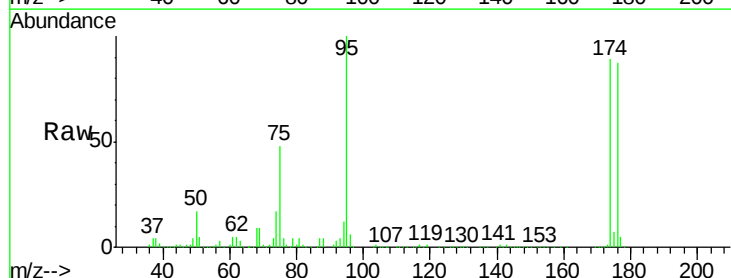
Tgt Ion: 95 Resp: 176786

Ion Ratio Lower Upper

95 100

174 92.3 0.0 187.6

176 90.3 0.0 184.0



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

11.13

150000

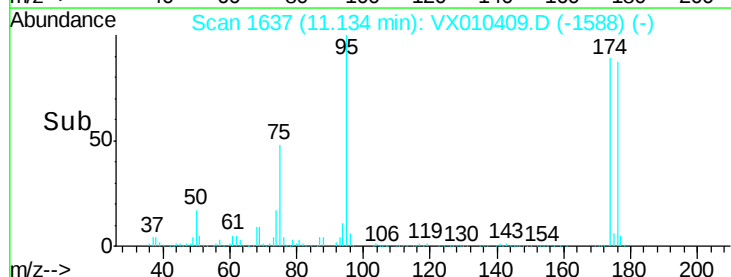
100000

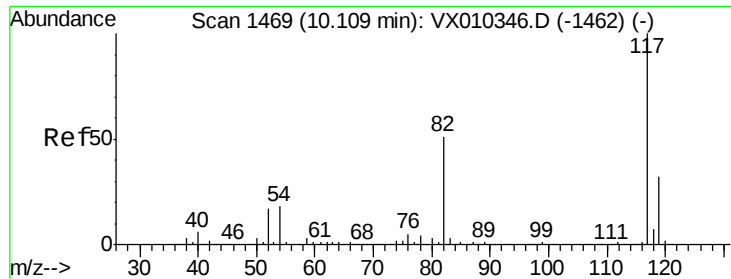
50000

0

Time-->

11.10 11.20





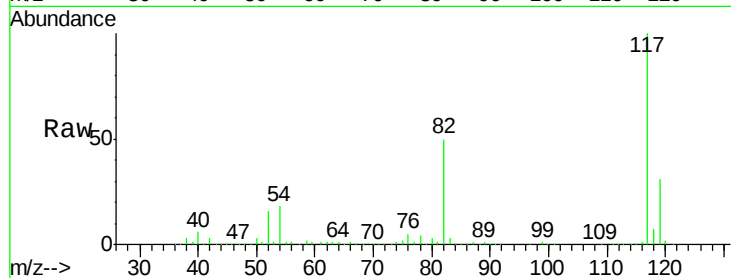
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010409.D
Acq: 24 Jun 2019 13:41

Instrument :
MSVOA_X
ClientSampleId :
VX0624WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.4	41.2	61.8
119	31.3	25.5	38.3

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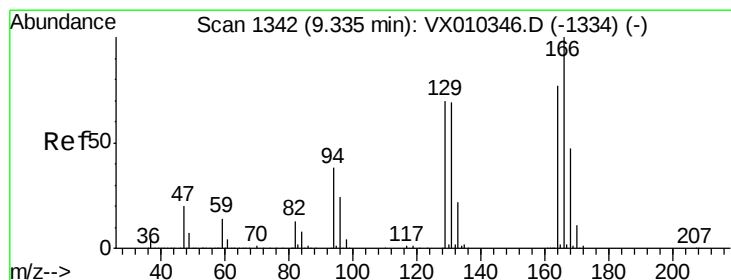
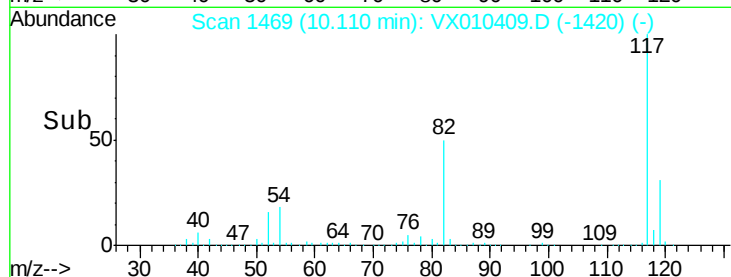
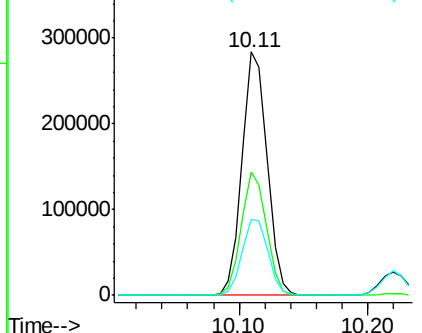


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.664 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010409.D
Acq: 24 Jun 2019 13:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	103.6	155.4
129	92.1	73.0	109.4
131	86.8	71.0	106.4

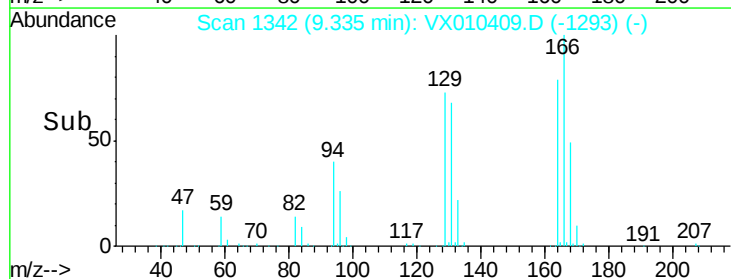
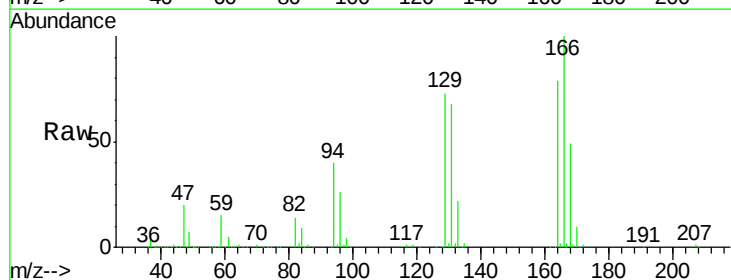
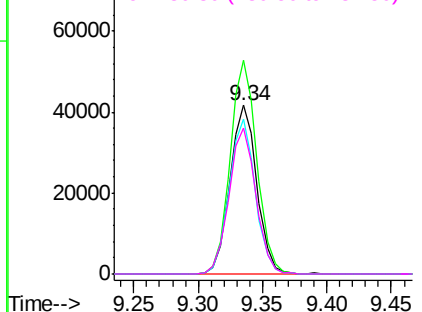
Abundance

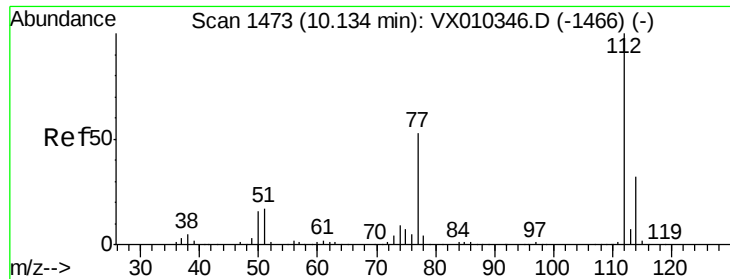
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.643 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

VX0624WBSD01

Tot Ion:112 Resp: 152658

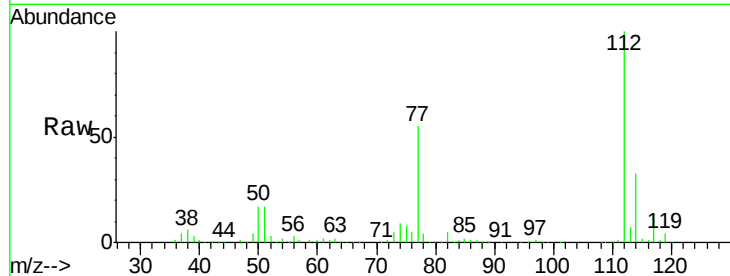
Ion Ratio Lower Upper

112 100

114 32.6 25.4 38.2

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.13

120000

100000

80000

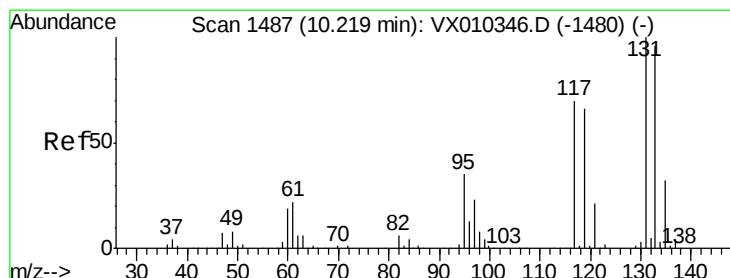
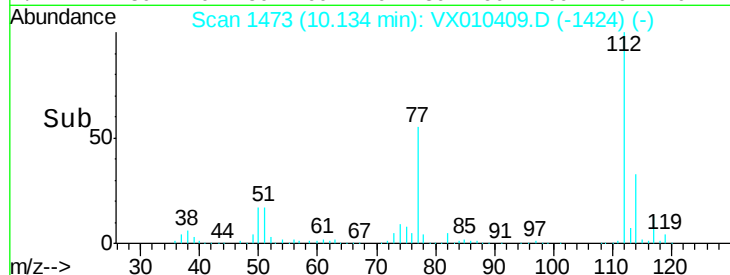
60000

40000

20000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.936 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

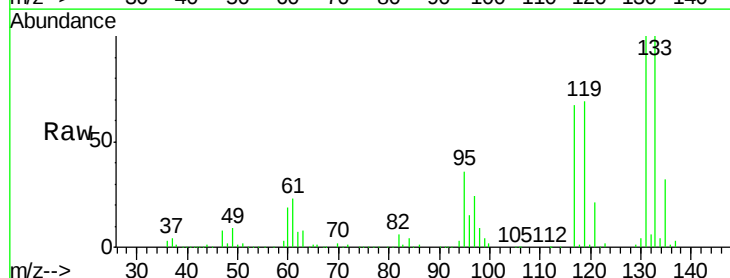
Tgt Ion:131 Resp: 56436

Ion Ratio Lower Upper

131 100

133 96.9 47.7 143.1

119 67.2 32.6 97.7



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

10.22

50000

40000

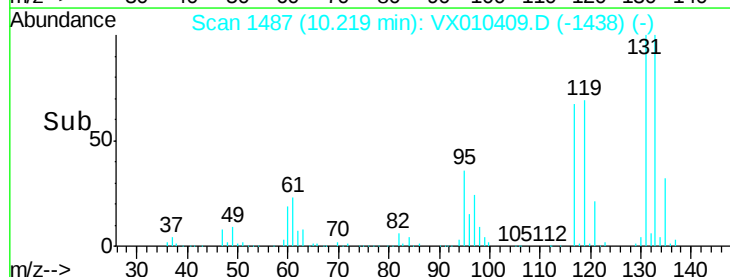
30000

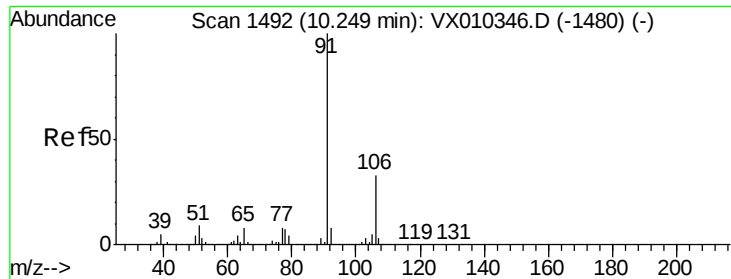
20000

10000

0

Time-->





#67

Ethyl Benzene

Concen: 19.740 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

VX0624WBSD01

Tot Ion: 91 Resp: 258999

Ion Ratio Lower Upper

91 100

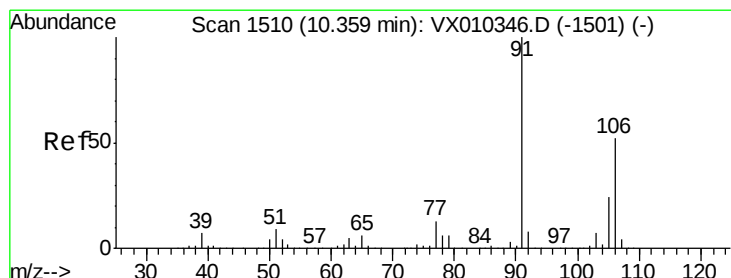
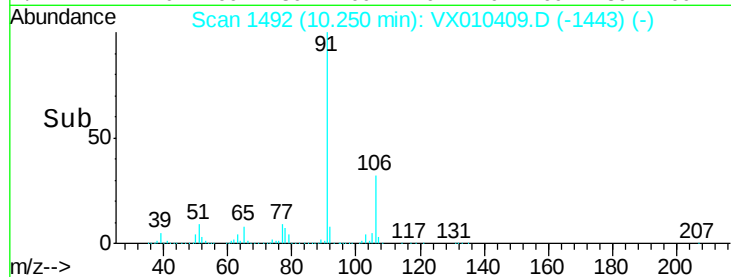
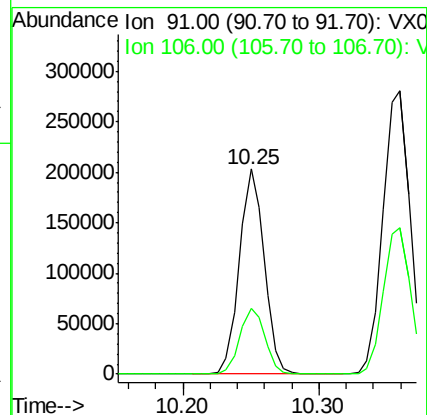
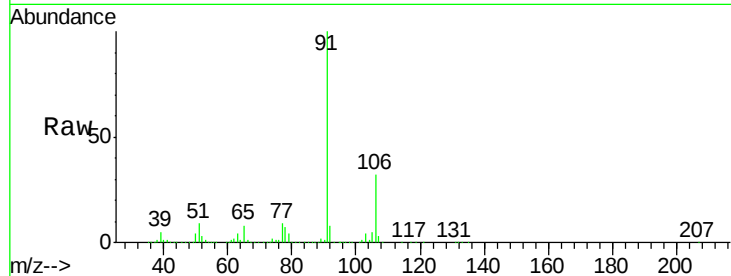
106 32.0 26.2 39.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 39.920 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX010409.D

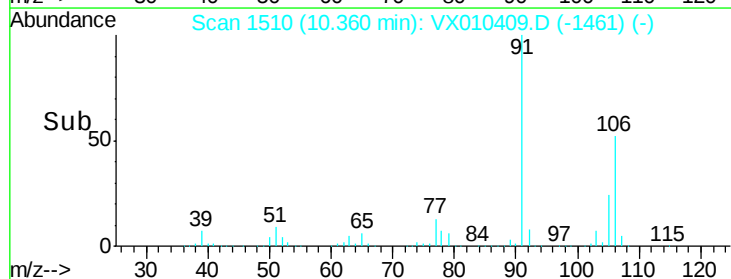
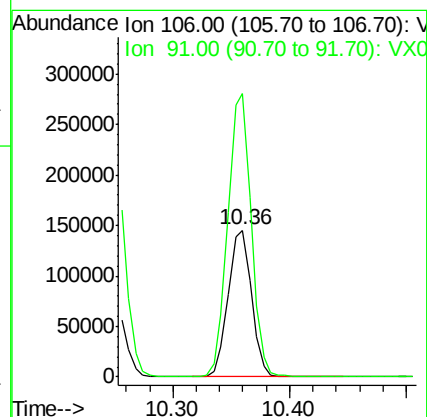
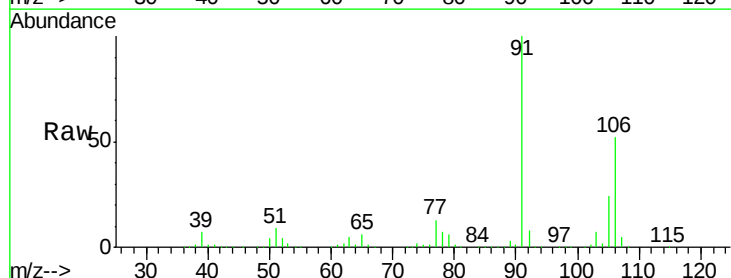
Acq: 24 Jun 2019 13:41

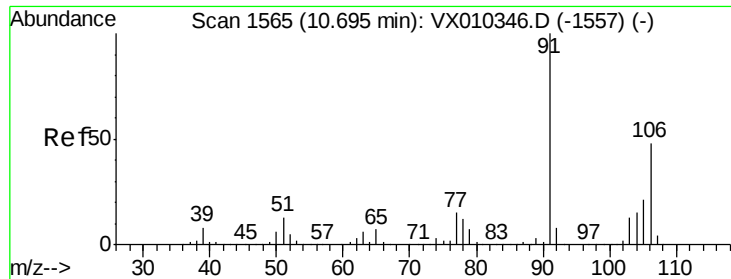
Tgt Ion: 106 Resp: 202946

Ion Ratio Lower Upper

106 100

91 192.3 155.3 232.9





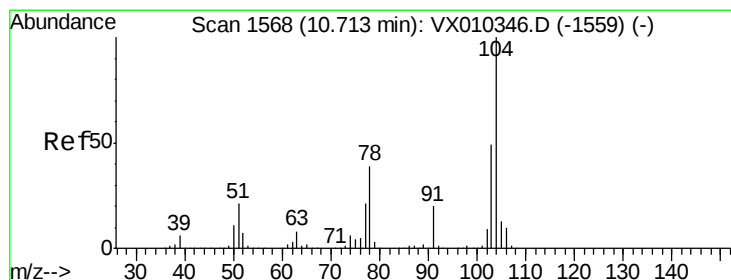
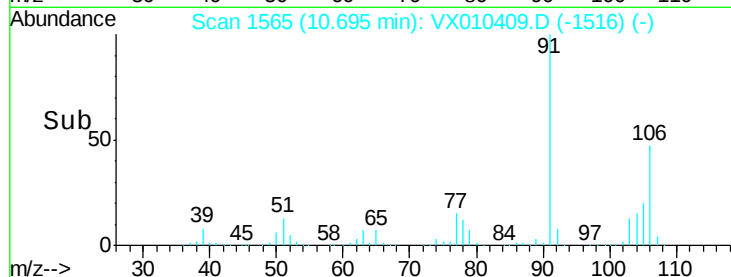
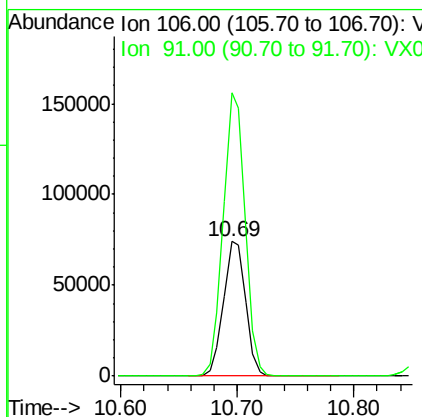
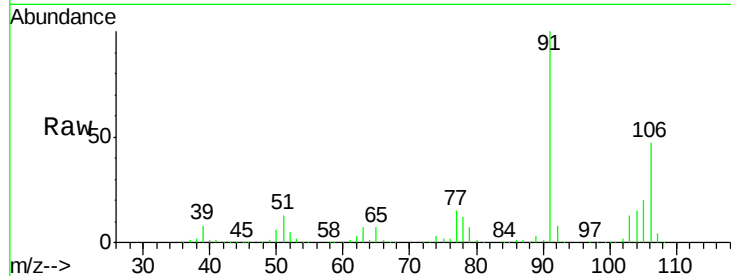
#69
o-Xylene
Concen: 19.531 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010409.D
Acq: 24 Jun 2019 13:41

Instrument :
MSVOA_X
ClientSampled :
VX0624WBSD01

Tot Ion:106 Resp: 97643
Ion Ratio Lower Upper
106 100
91 207.7 102.7 308.1

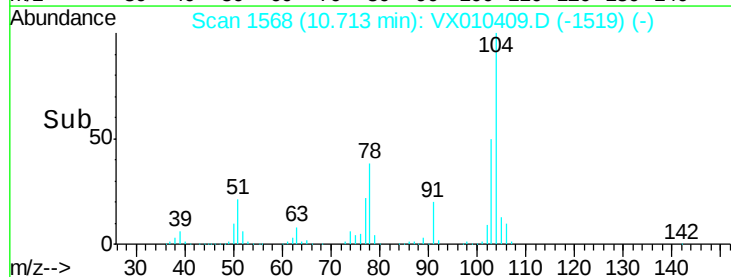
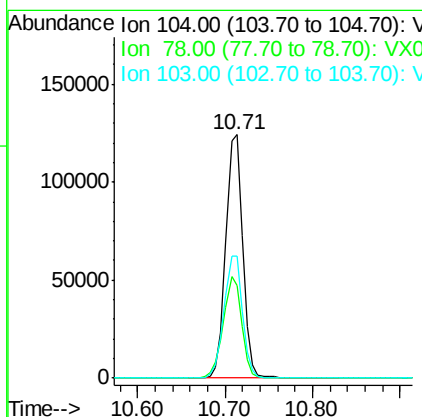
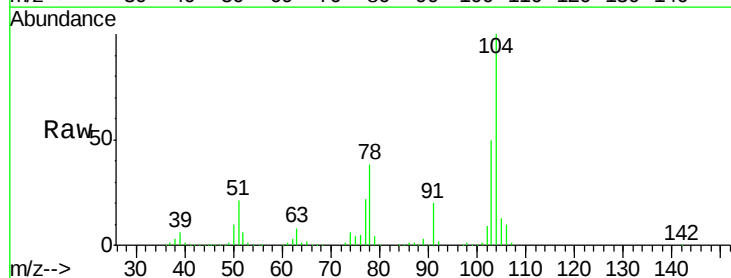
Manual Integrations
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#70
Styrene
Concen: 19.913 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010409.D
Acq: 24 Jun 2019 13:41

Tgt Ion:104 Resp: 166960
Ion Ratio Lower Upper
104 100
78 45.3 36.2 54.2
103 55.0 44.2 66.4





#71

Bromoform

Concen: 19.476 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

VX0624WBSD01

Tot Ion:173 Resp: 47946

Ion Ratio Lower Upper

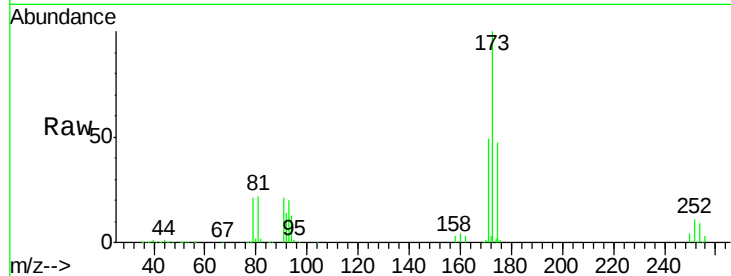
173 100

175 47.4 24.1 72.3

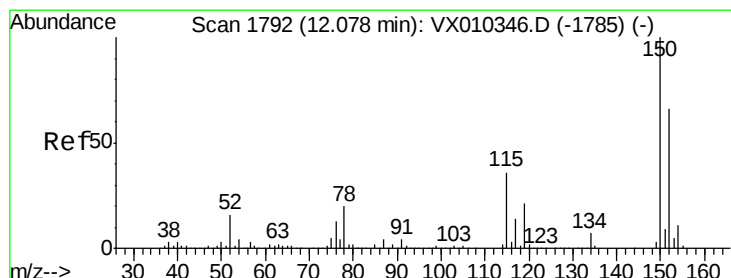
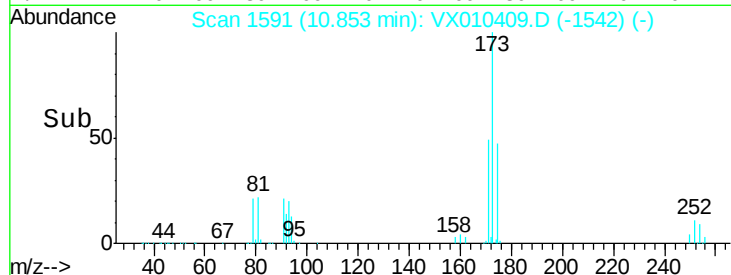
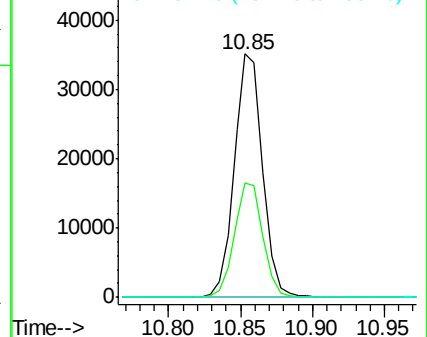
254 0.1 0.2 0.2#

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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: VX010409.D

Acq: 24 Jun 2019 13:41

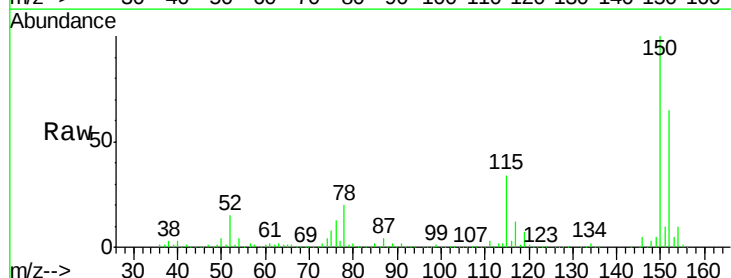
Tgt Ion:152 Resp: 195405

Ion Ratio Lower Upper

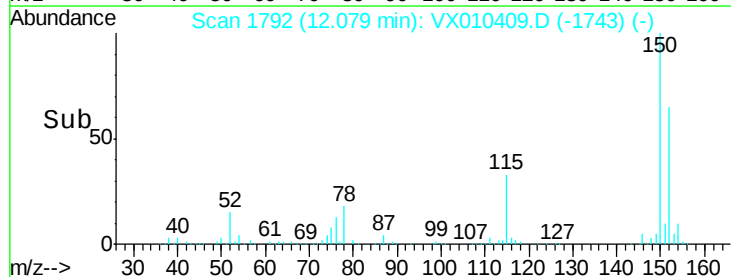
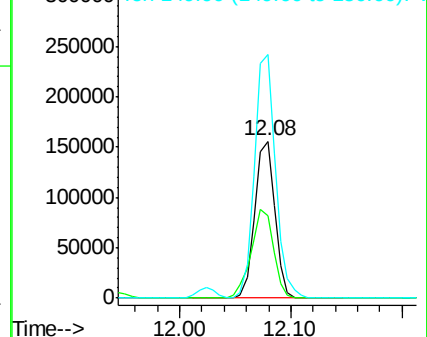
152 100

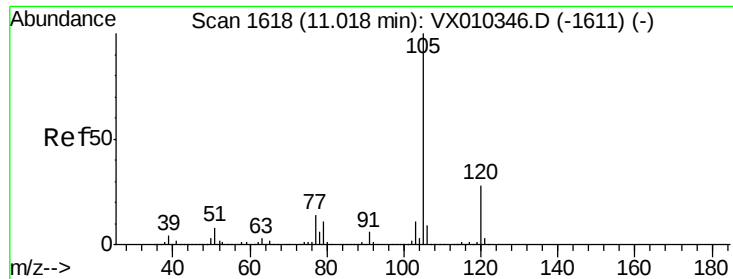
115 63.0 38.6 115.7

150 162.6 0.0 347.4



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: 19.708 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

VX0624WBSD01

Tot Ion:105 Resp: 261058

Ion Ratio Lower Upper

105 100

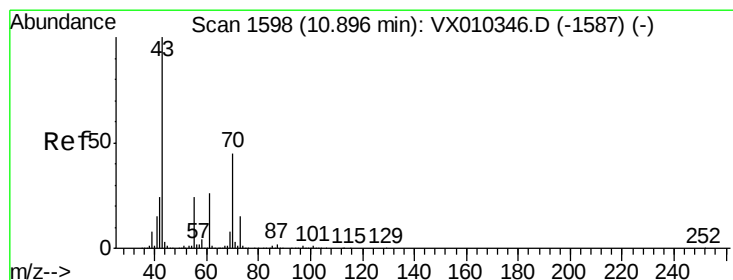
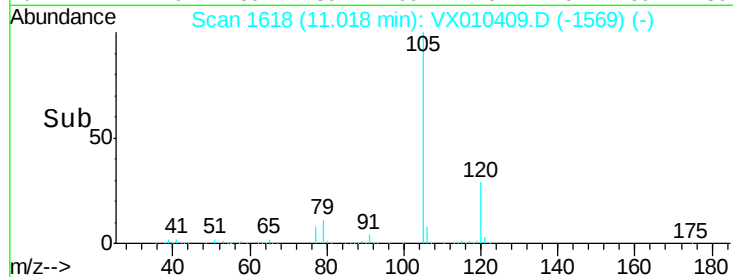
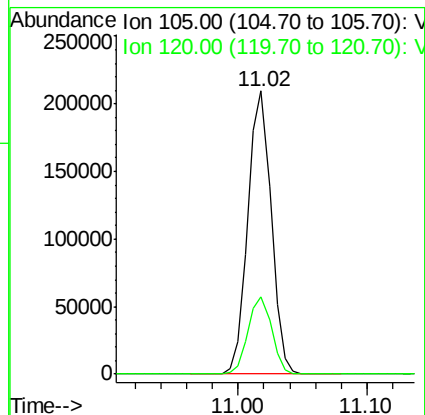
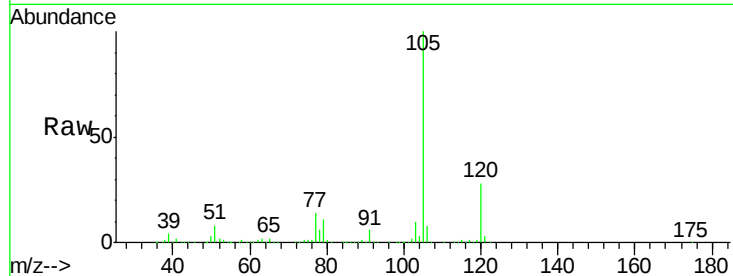
120 27.8 14.1 42.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.941 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

Tgt Ion: 43 Resp: 99822

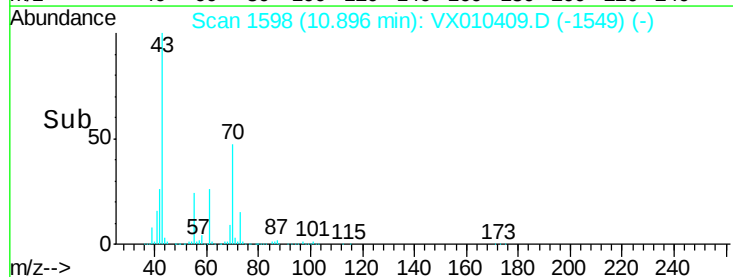
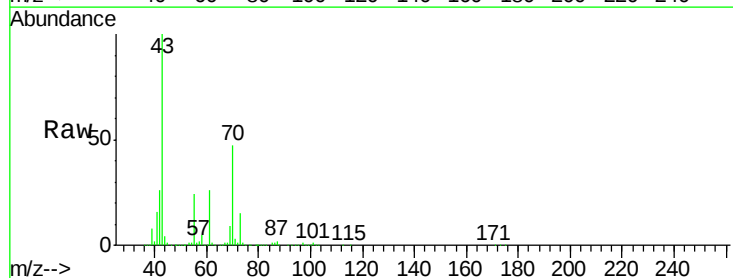
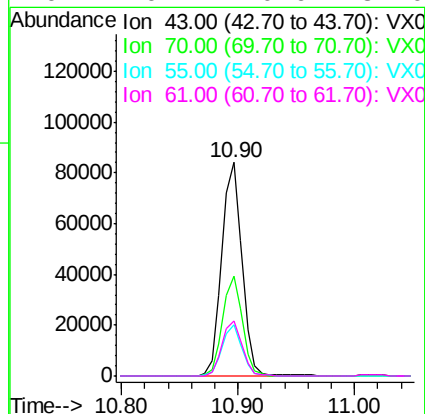
Ion Ratio Lower Upper

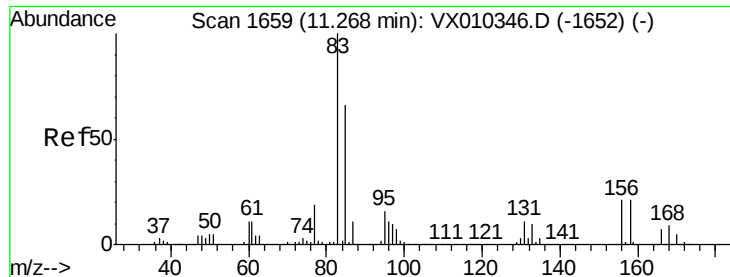
43 100

70 46.3 36.6 54.8

55 23.9 18.7 28.1

61 26.1 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.762 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

Instrument :

MSVOA_X

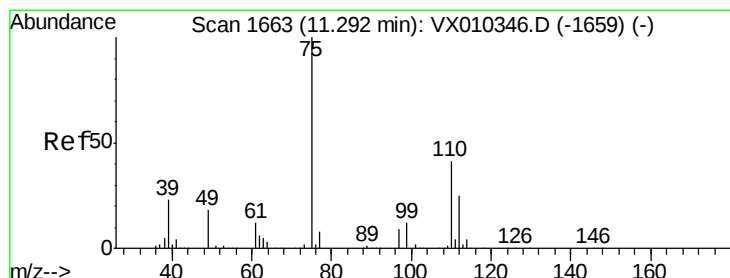
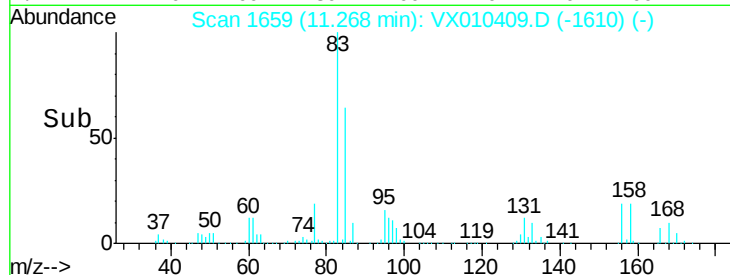
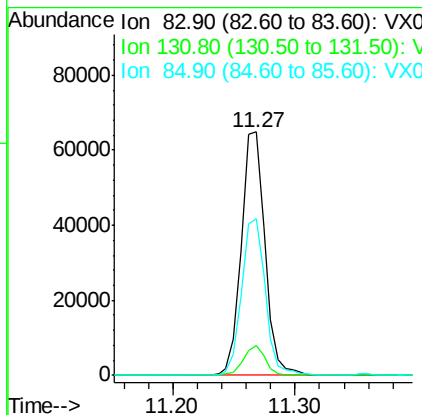
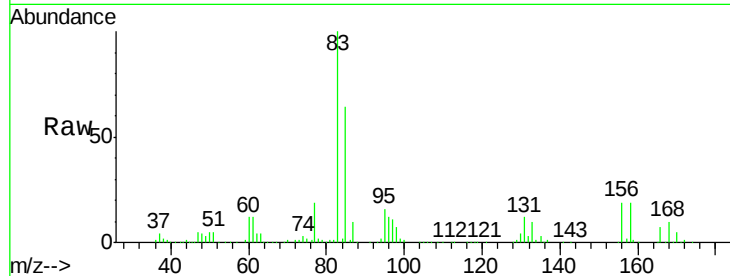
ClientSampleId :

VX0624WBSD01

Tot Ion:	83	Resp:	86691
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.5	16.4
85	64.5	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.230 ug/l m

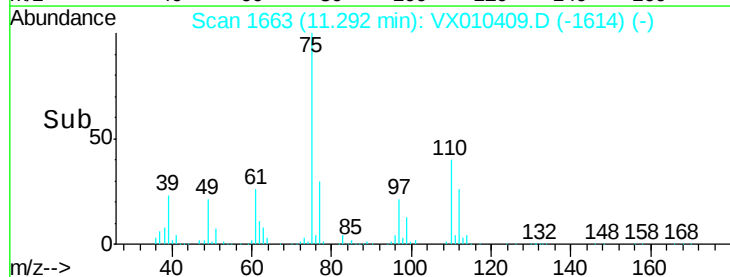
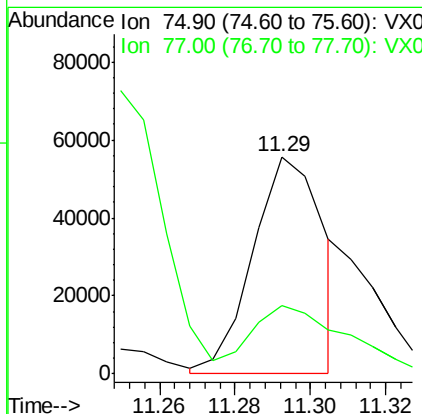
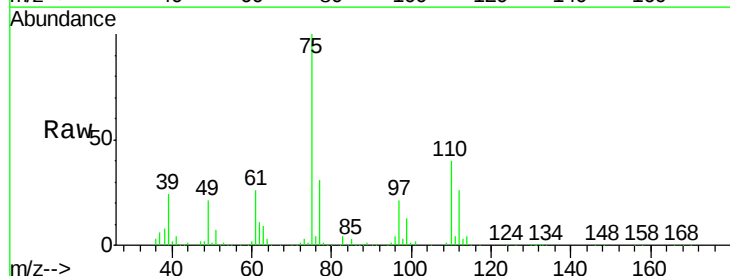
RT: 11.29 min Scan# 1663

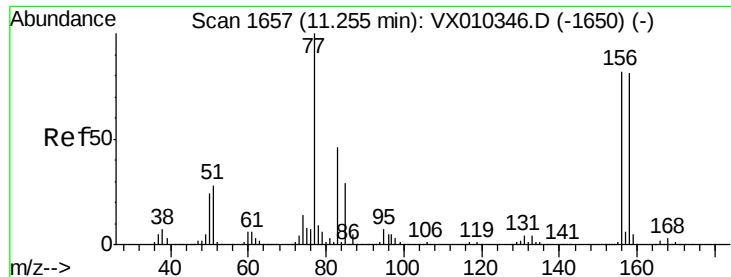
Delta R.T. 0.00 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

Tgt Ion:	75	Resp:	72036
Ion Ratio	Lower	Upper	
75	100		
77	43.5	22.6	67.8





#77

Bromobenzene

Concen: 19.450 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

Instrument :

MSVOA_X

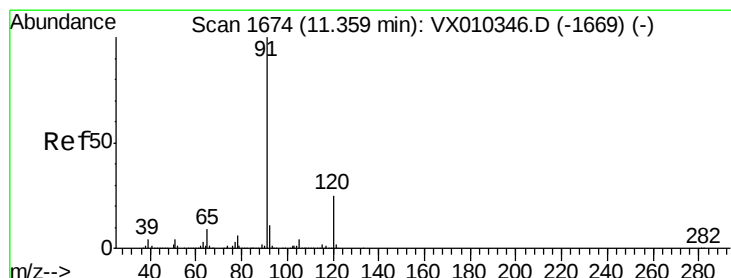
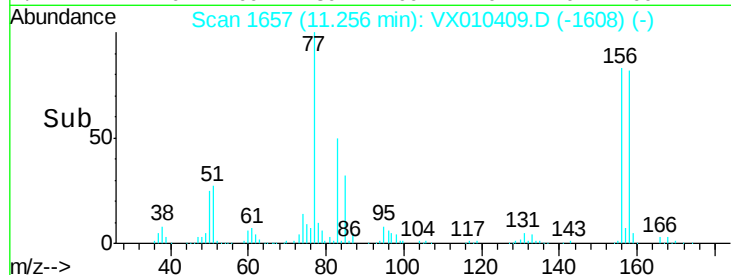
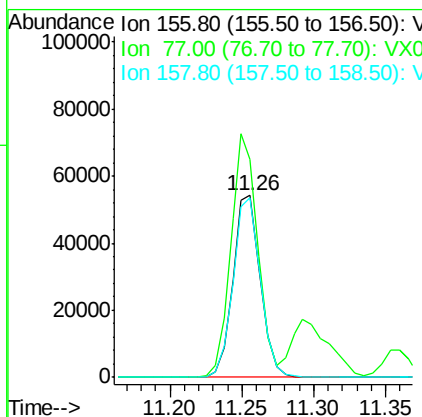
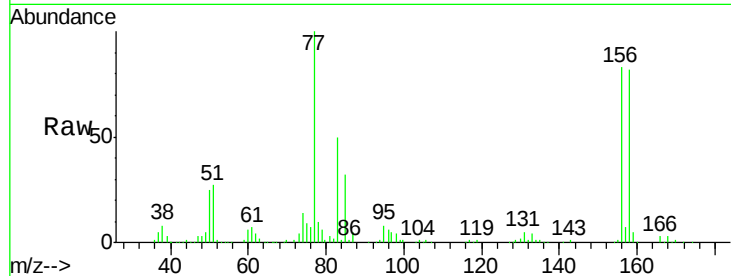
ClientSampleId :

VX0624WBSD01

Tot Ion:	156	Resp:	71941
Ion	Ratio	Lower	Upper
156	100		
77	131.5	66.3	198.7
158	98.8	48.9	146.7

Manual Integrations
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#78

n-propylbenzene

Concen: 19.908 ug/l

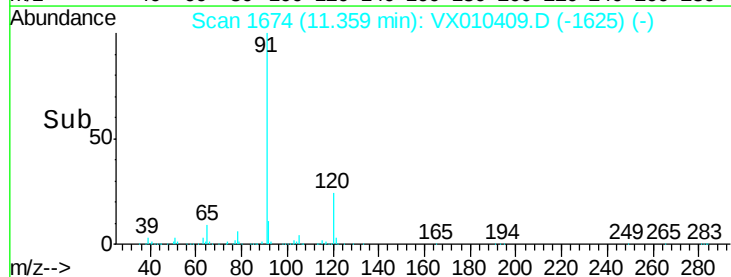
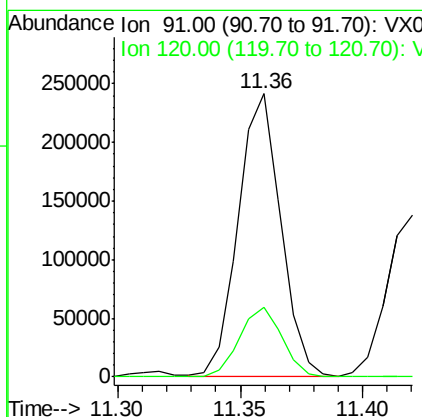
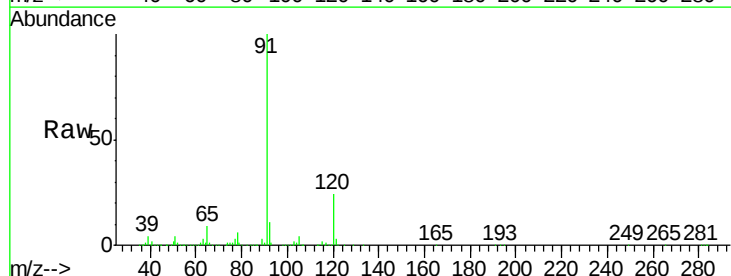
RT: 11.36 min Scan# 1674

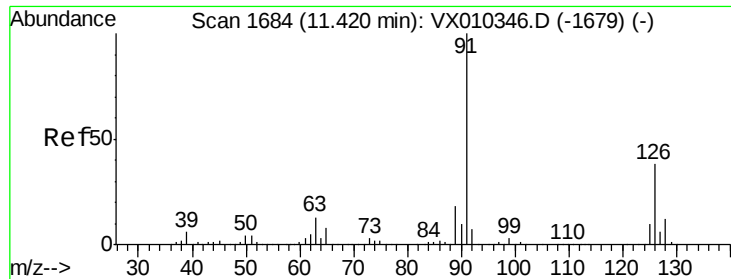
Delta R.T. 0.00 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

Tgt Ion:	91	Resp:	289823
Ion	Ratio	Lower	Upper
91	100		
120	24.9	12.4	37.4





#79

2-Chlorotoluene

Concen: 19.731 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

VX0624WBSD01

Tot Ion: 91 Resp: 171047

Ion Ratio Lower Upper

91 100

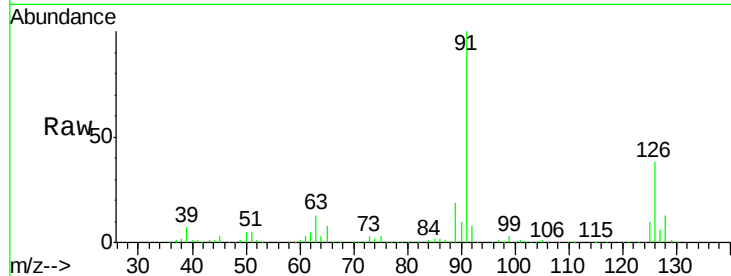
126 37.1 18.7 56.1

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Abundance Ion 91.00 (90.70 to 91.70): VX010346.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX010346.D (-1679) (-)

250000

200000

150000

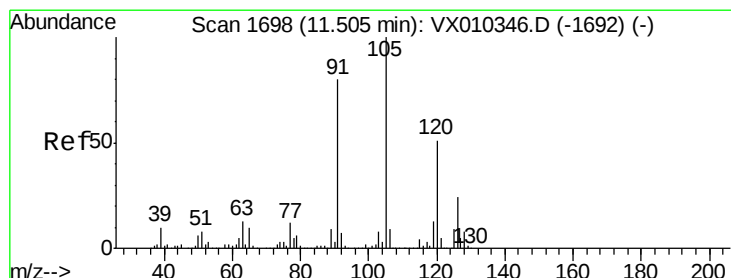
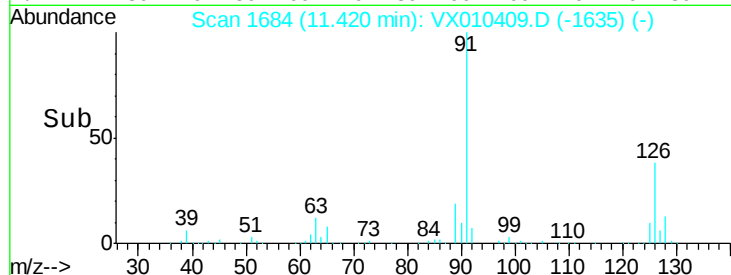
100000

50000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.972 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010409.D

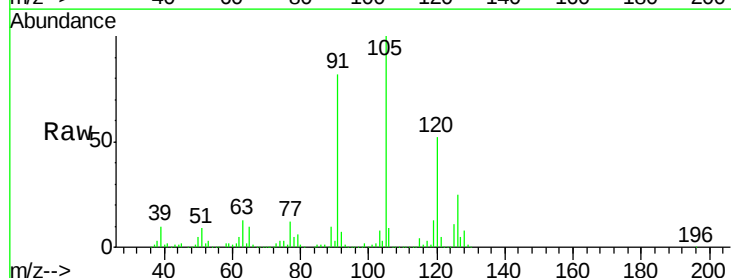
Acq: 24 Jun 2019 13:41

Tgt Ion: 105 Resp: 218092

Ion Ratio Lower Upper

105 100

120 50.1 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): VX010346.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX010346.D (-1692) (-)

200000

150000

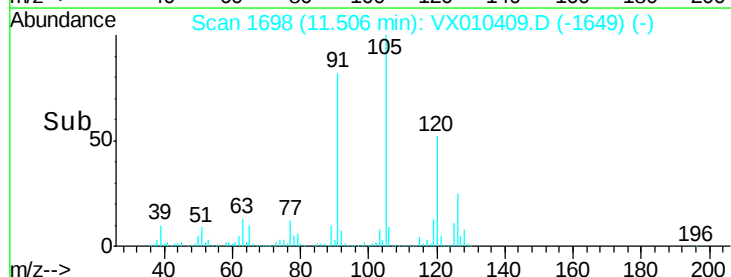
100000

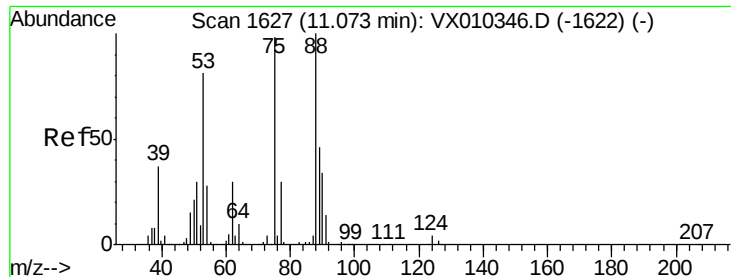
50000

0

11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 17.744 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

Instrument :

MSVOA_X

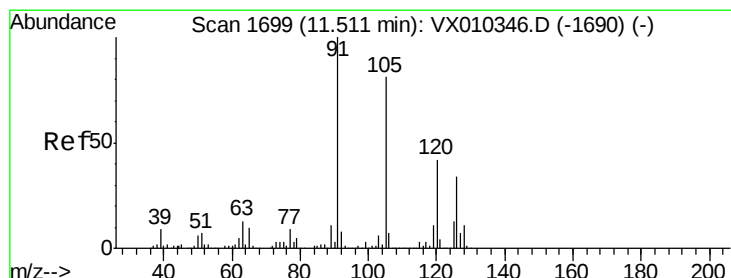
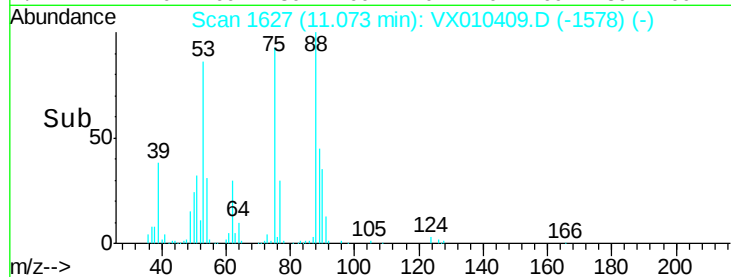
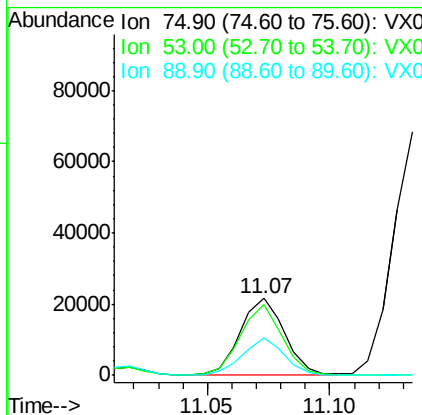
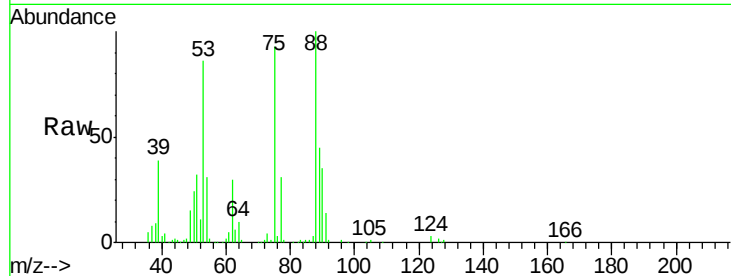
ClientSampleId :

VX0624WBSD01

Tot Ion:	75	Resp:	27084
Ion	Ratio	Lower	Upper
75	100		
53	87.9	66.1	99.1
89	47.6	37.8	56.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.862 ug/l

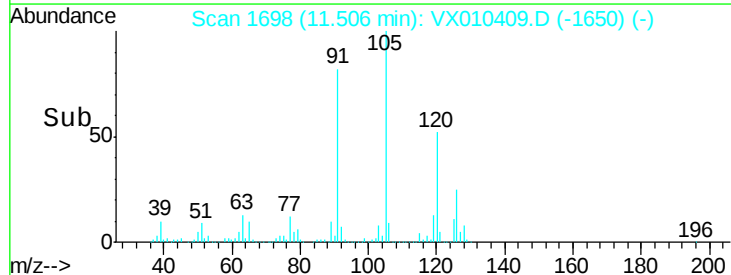
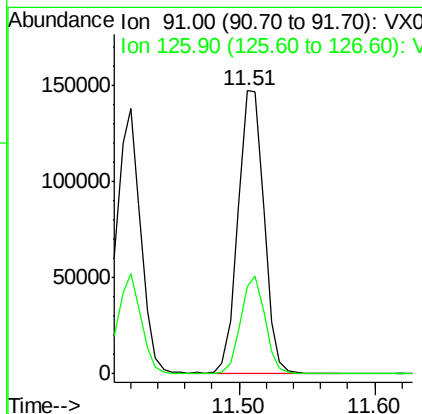
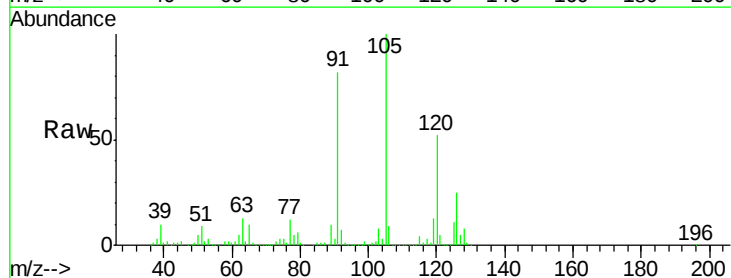
RT: 11.51 min Scan# 1698

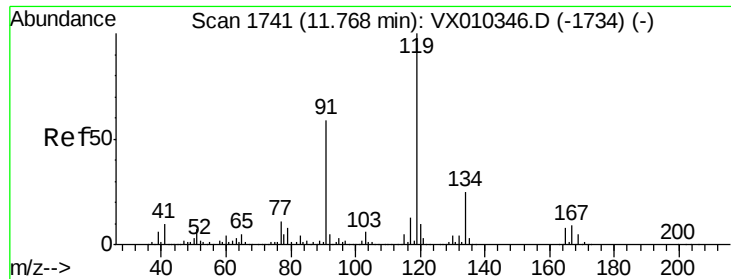
Delta R.T. -0.01 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

Tgt Ion:	91	Resp:	195926
Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.2	48.6





#83

tert-Butylbenzene

Concen: 19.725 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

Instrument :

MSVOA_X

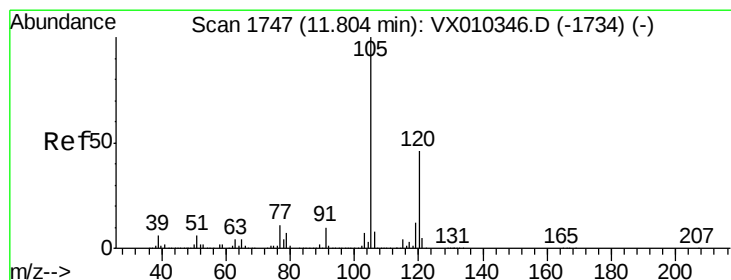
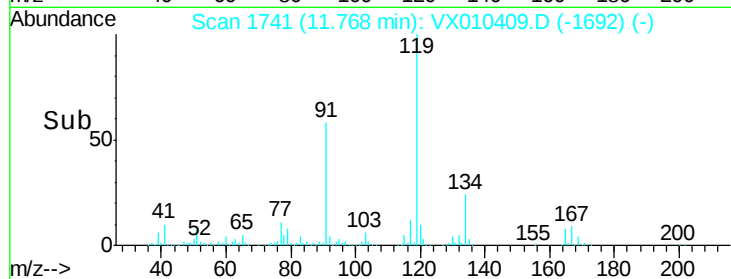
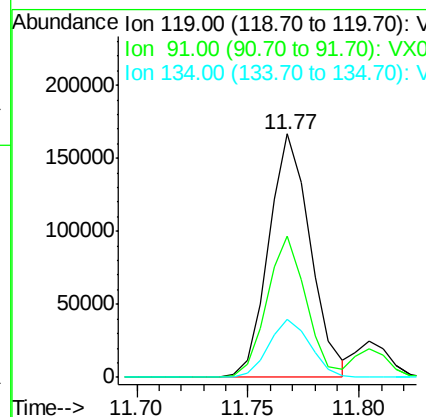
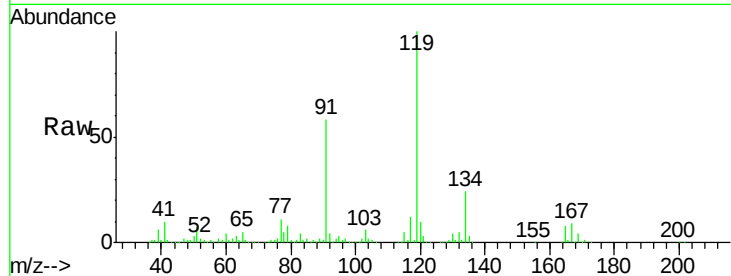
ClientSampleId :

VX0624WBSD01

Tot Ion:	119	Resp:	216184
Ion Ratio	Lower	Upper	
119	100		
91	55.3	27.6	82.7
134	23.9	11.8	35.4

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.821 ug/l

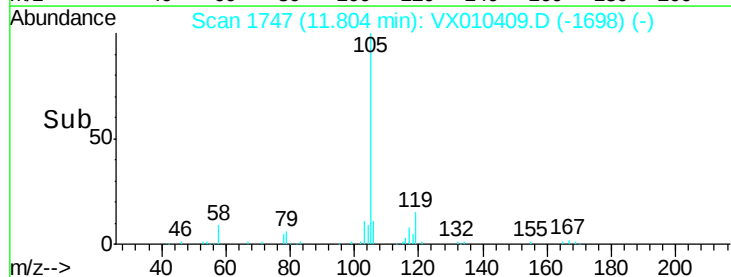
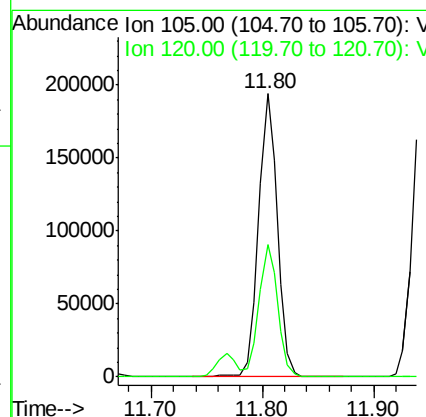
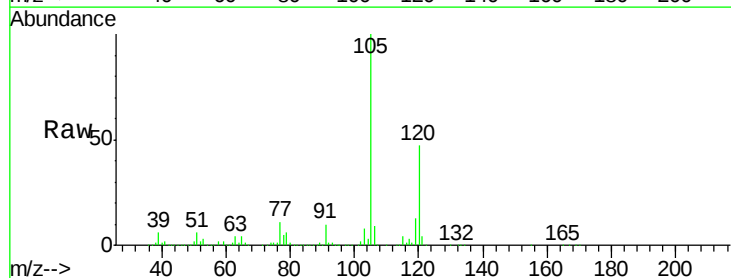
RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

Tgt Ion:	105	Resp:	228427
Ion Ratio	Lower	Upper	
105	100		
120	46.9	23.1	69.2





#85

sec-Butylbenzene

Concen: 19.528 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

VX0624WBSD01

Tot Ion:105 Resp: 251291

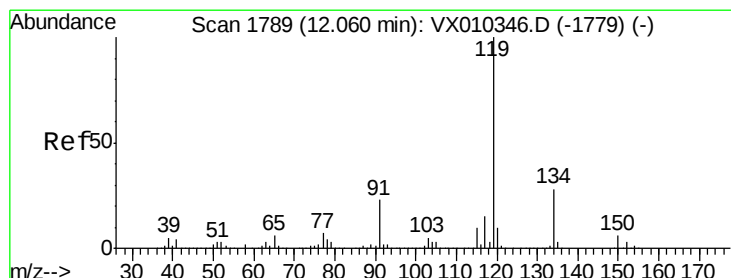
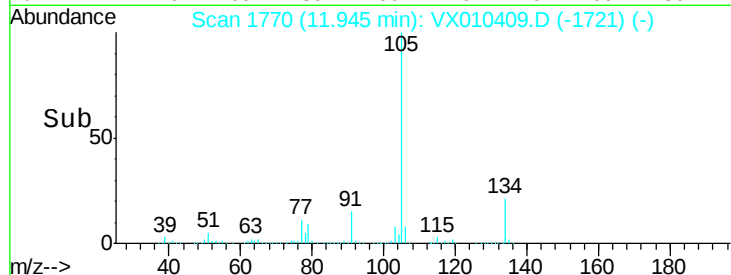
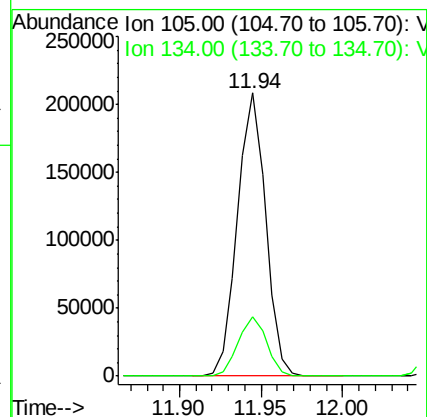
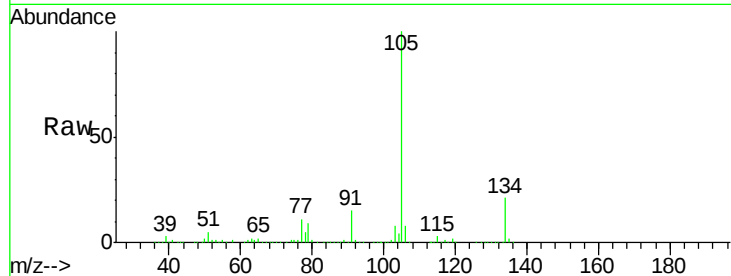
Ion Ratio Lower Upper

105 100

134 21.2 10.7 31.9

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 19.492 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

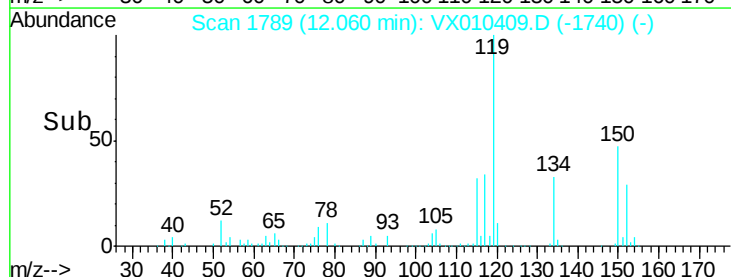
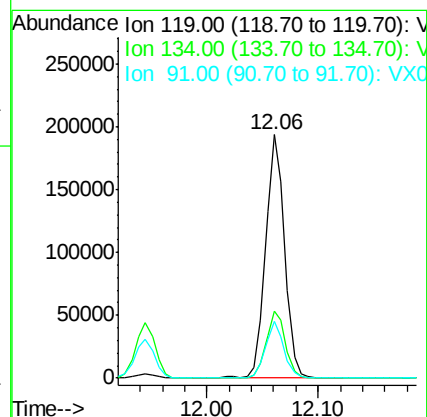
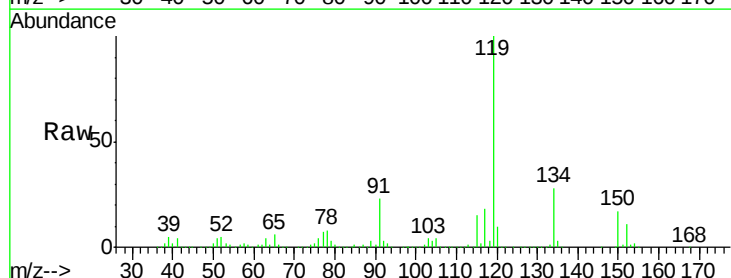
Tgt Ion:119 Resp: 232009

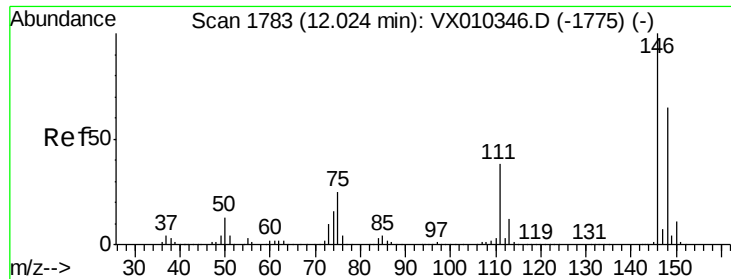
Ion Ratio Lower Upper

119 100

134 27.7 13.7 41.1

91 22.3 11.3 33.8





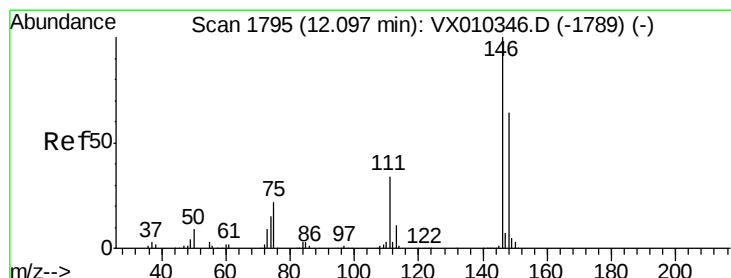
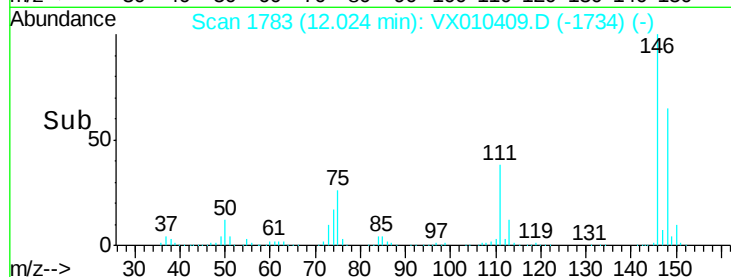
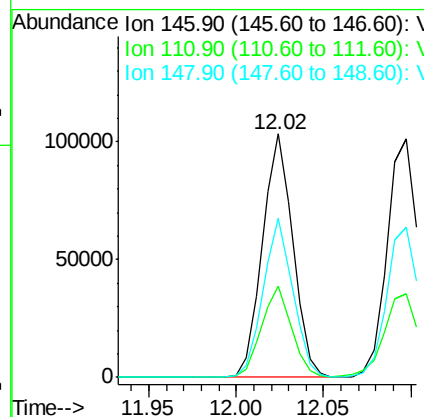
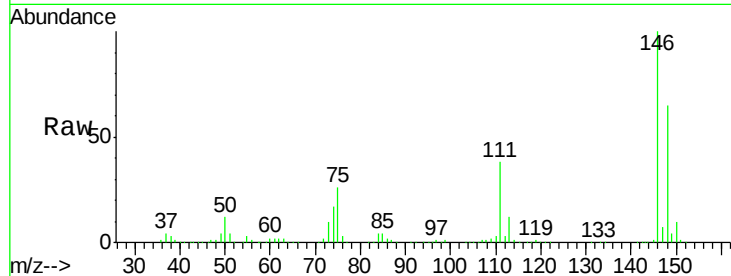
#87
 1,3-Dichlorobenzene
 Concen: 19.395 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010409.D
 Acq: 24 Jun 2019 13:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0624WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	19.1	57.1
148	64.0	32.5	97.4

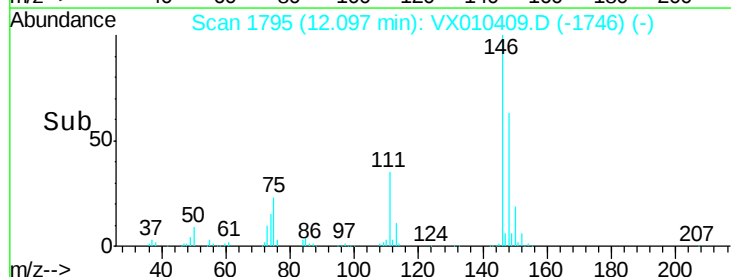
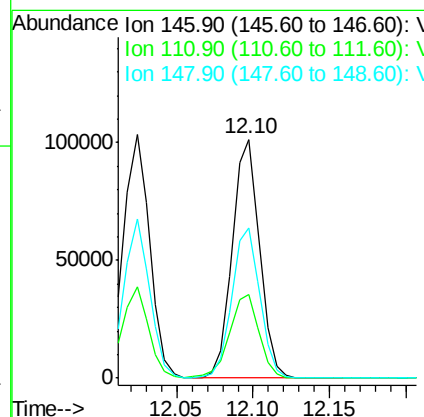
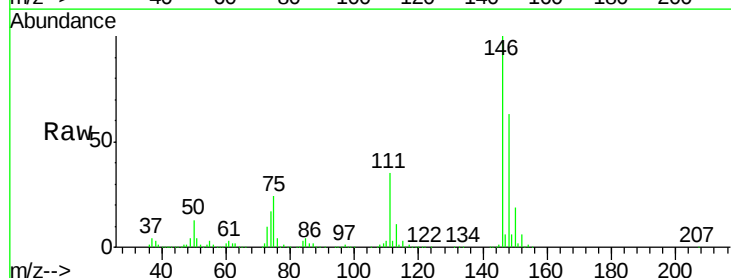
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#88
 1,4-Dichlorobenzene
 Concen: 19.021 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010409.D
 Acq: 24 Jun 2019 13:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.1	54.3
148	64.5	32.1	96.3





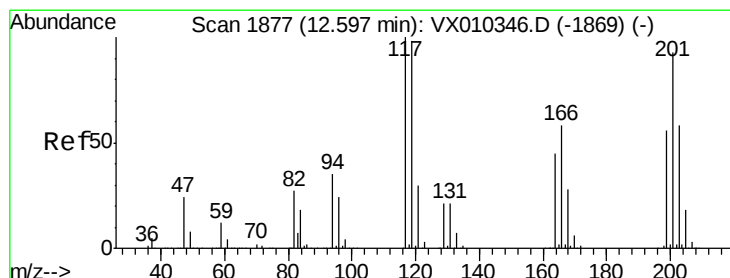
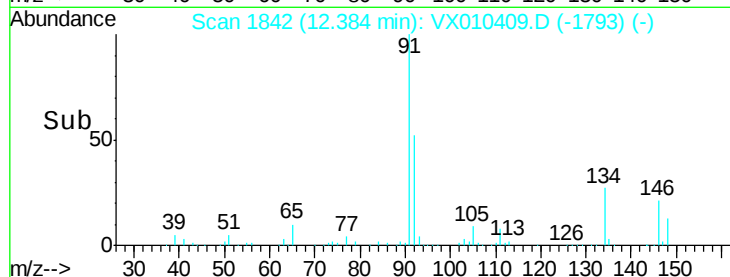
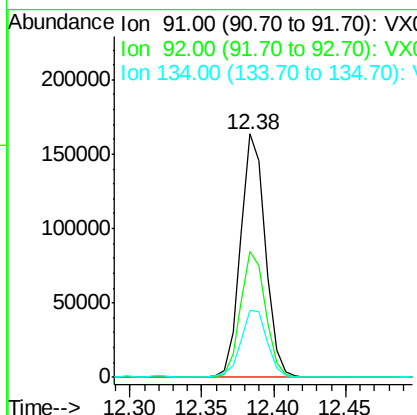
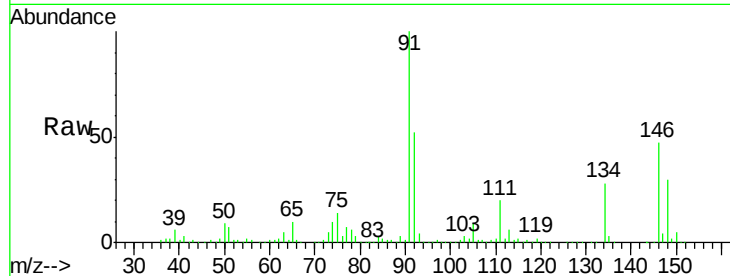
#89
n-Butylbenzene
Concen: 19.238 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010409.D
Acq: 24 Jun 2019 13:41

Instrument :
MSVOA_X
ClientSampleId :
VX0624WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.2	78.5
134	29.4	14.1	42.4

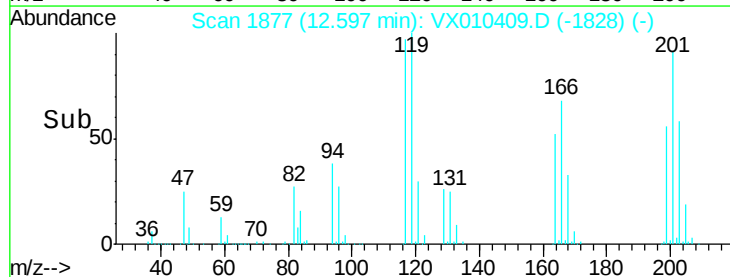
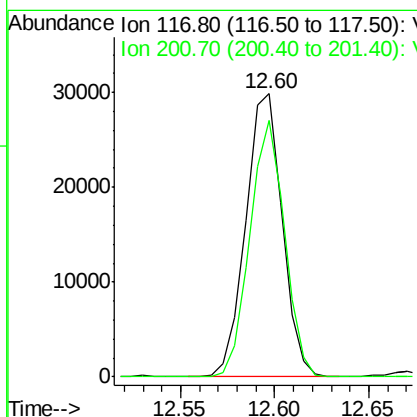
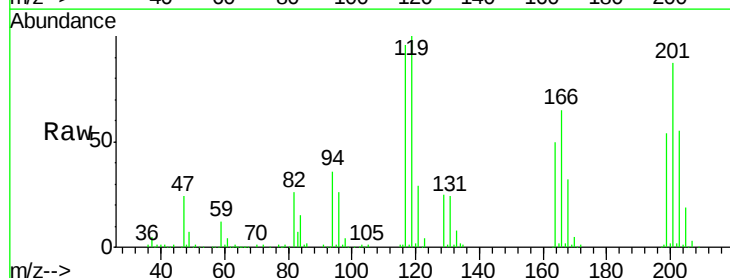
Manual Integrations
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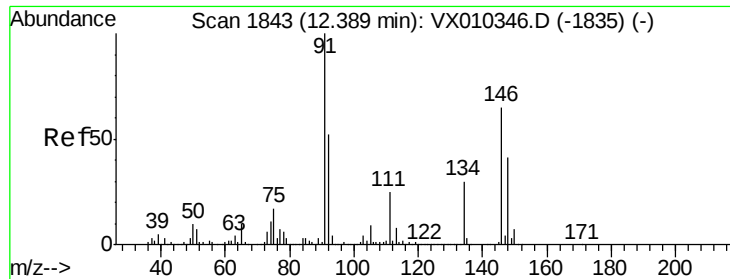
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#90
Hexachloroethane
Concen: 19.560 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX010409.D
Acq: 24 Jun 2019 13:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.8	44.0	131.8





#91

1,2-Dichlorobenzene

Concen: 19.818 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

Instrument :

MSVOA_X

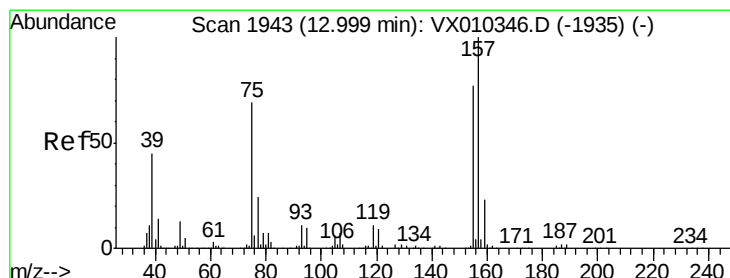
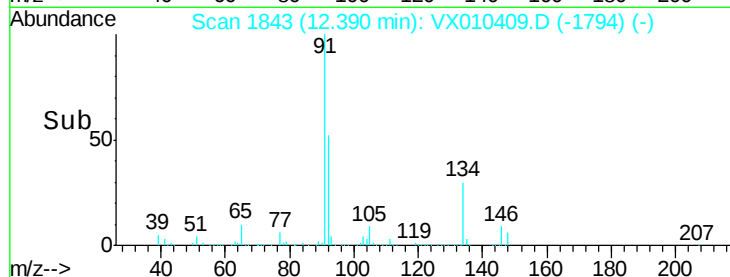
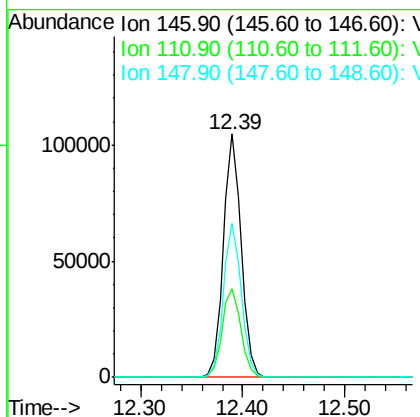
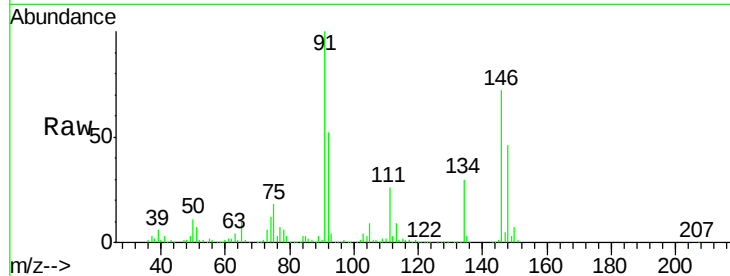
ClientSampleId :

VX0624WBSD01

Tot Ion:	146	Resp:	127169
Ion Ratio	Lower	Upper	
146	100		
111	38.4	19.2	57.6
148	63.8	32.0	96.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.484 ug/l

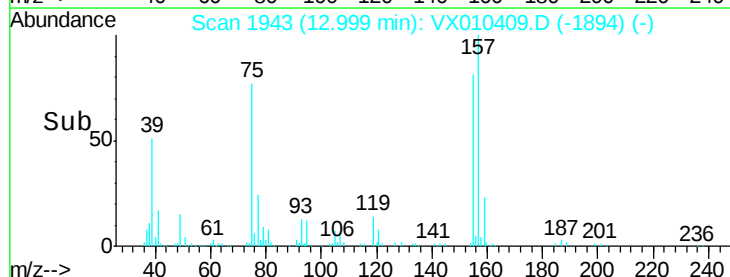
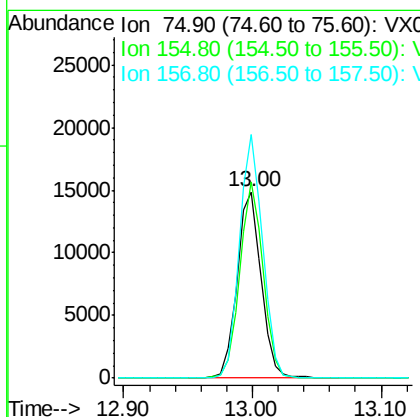
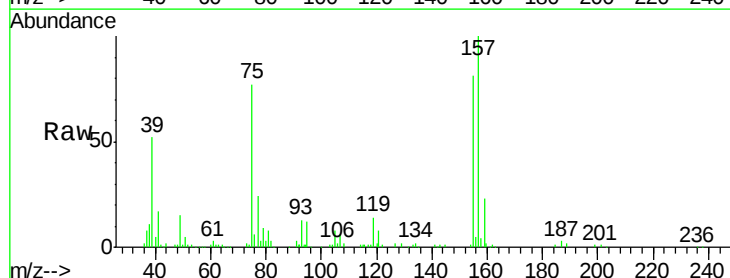
RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

Tgt Ion:	75	Resp:	19374
Ion Ratio	Lower	Upper	
75	100		
155	100.2	54.4	163.1
157	124.3	69.5	208.3





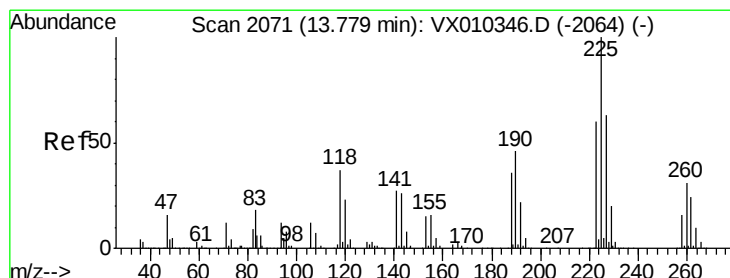
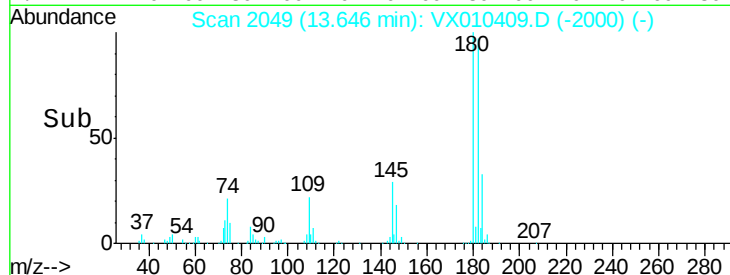
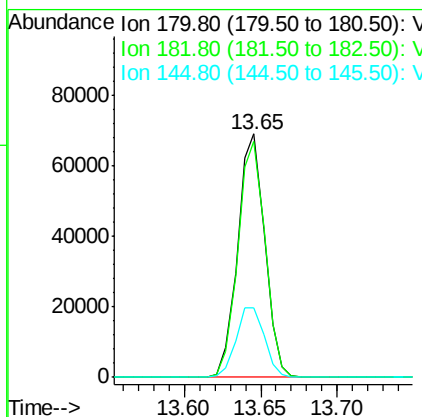
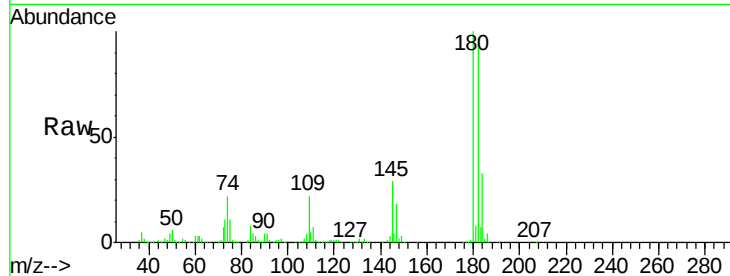
#93
 1,2,4-Trichlorobenzene
 Concen: 19.044 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010409.D
 Acq: 24 Jun 2019 13:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0624WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	84744		
182	97.5	48.0	144.0	
145	30.0	14.4	43.4	

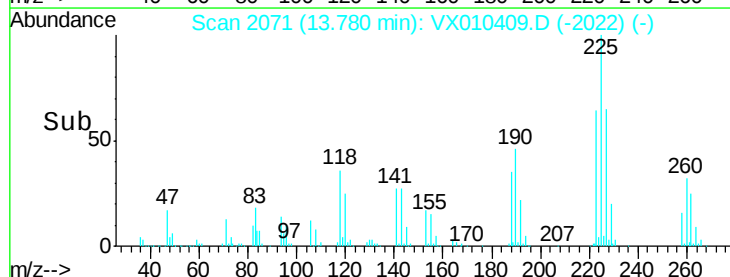
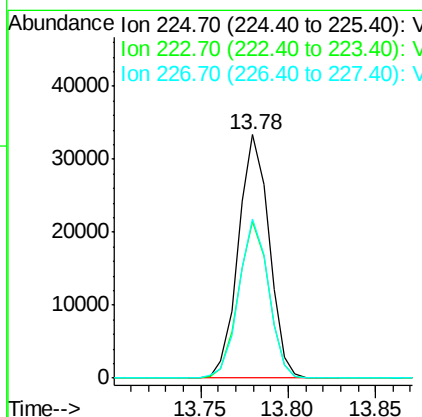
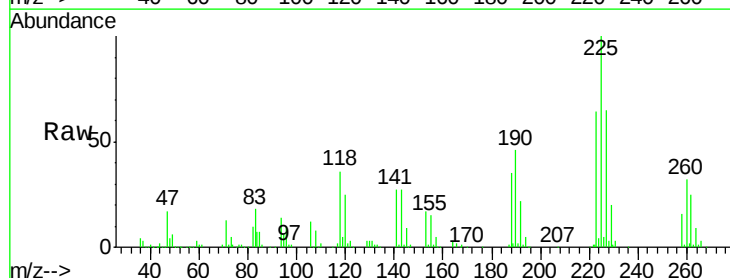
Manual Integrations
 APPROVED

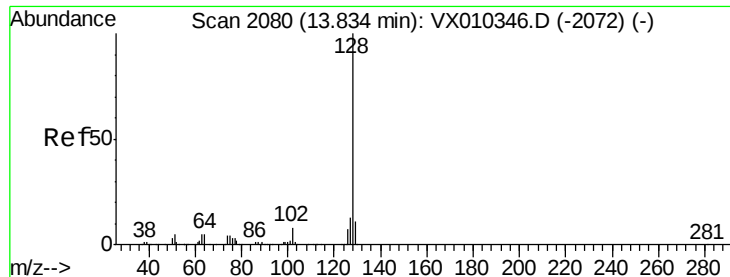
MMDadoda
 6/25/2019 9:01:45 AM



#94
 Hexachlorobutadiene
 Concen: 18.789 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010409.D
 Acq: 24 Jun 2019 13:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	40863		
223	63.2	30.9	92.7	
227	63.2	31.9	95.5	





#95

Naphthalene

Concen: 20.364 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

Instrument :

MSVOA_X

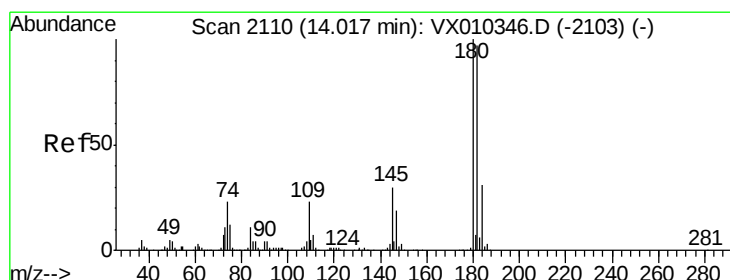
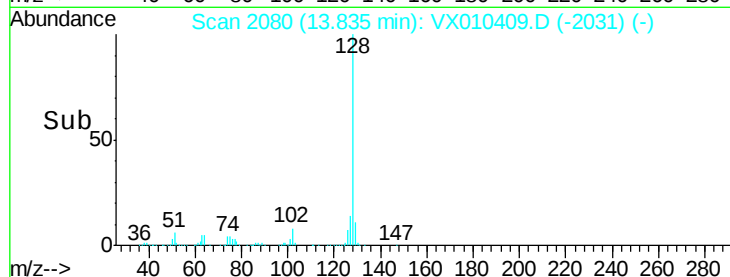
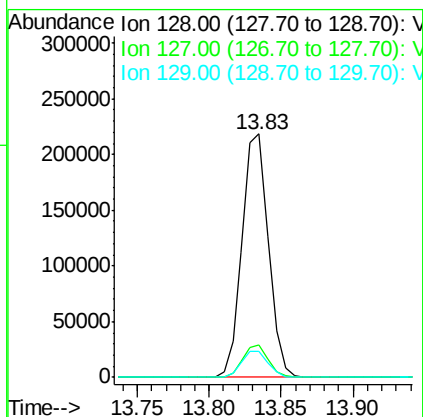
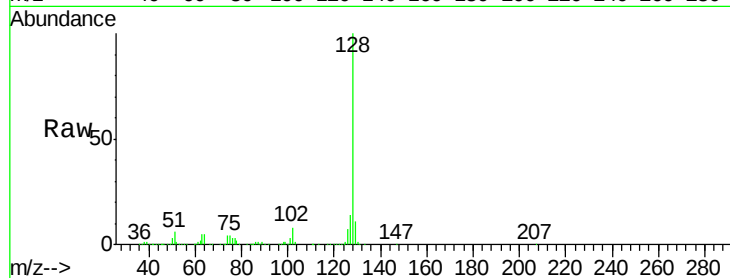
ClientSampleId :

VX0624WBSD01

Tot Ion:	128	Resp:	278478
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.4
129	10.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
6/25/2019 9:01:45 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.035 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX010409.D

Acq: 24 Jun 2019 13:41

Tgt Ion:	180	Resp:	88641
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.8	143.3
145	31.1	15.2	45.6

