

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020419\
 Data File : VX007352.D
 Acq On : 04 Feb 2019 12:03
 Operator : JC/SP
 Sample : VX0204WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0204WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/5/2019 9:52:39 AM

Quant Time: Feb 05 00:11:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	509906	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	725750	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	679628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	362468	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	250429	46.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.54%	
35) Dibromofluoromethane	5.50	113	224806	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	
50) Toluene-d8	8.71	98	847048	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
62) 4-Bromofluorobenzene	11.13	95	311455	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	125888	20.197	ug/l	99
3) Chloromethane	1.33	50	111565	19.425	ug/l	97
4) Vinyl Chloride	1.41	62	115382	20.478	ug/l	97
5) Bromomethane	1.64	94	111592	19.733	ug/l	99
6) Chloroethane	1.72	64	68437	18.776	ug/l	99
7) Trichlorofluoromethane	1.93	101	171949	19.508	ug/l	97
8) Diethyl Ether	2.19	74	61966	18.678	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	99972	19.068	ug/l	98
10) Methyl Iodide	2.51	142	143072	18.550	ug/l	99
11) Tert butyl alcohol	3.06	59	112135	100.115	ug/l	100
12) 1,1-Dichloroethene	2.38	96	88965	18.273	ug/l	99
13) Acrolein	2.29	56	65758	125.199	ug/l	96
14) Allyl chloride	2.73	41	153242	19.318	ug/l	98
15) Acrylonitrile	3.15	53	263990	95.275	ug/l	99
16) Acetone	2.45	43	232152	93.640	ug/l	97
17) Carbon Disulfide	2.57	76	231934	19.566	ug/l	99
18) Methyl Acetate	2.78	43	131674	20.736	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	294061	18.644	ug/l	100
20) Methylene Chloride	2.86	84	101780	19.862	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	94593	18.239	ug/l	96
22) Diisopropyl ether	3.87	45	277421	19.012	ug/l	98
23) Vinyl Acetate	3.82	43	1166727	96.355	ug/l	98
24) 1,1-Dichloroethane	3.70	63	165217	19.716	ug/l	98
25) 2-Butanone	4.70	43	338390	95.910	ug/l	99
26) 2,2-Dichloropropane	4.58	77	119229	18.683	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	102110	18.026	ug/l	99
28) Bromochloromethane	5.02	49	67621	17.548	ug/l	97
29) Tetrahydrofuran	5.15	42	220368	99.310	ug/l	100
30) Chloroform	5.21	83	163801	18.733	ug/l	96
31) Cyclohexane	5.57	56	141155	18.755	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	141204	19.131	ug/l	99
36) 1,1-Dichloropropene	5.79	75	123369	18.946	ug/l	99
37) Ethyl Acetate	4.85	43	125735	19.101	ug/l	97
38) Carbon Tetrachloride	5.79	117	124744	19.746	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	153884	19.532	ug/l	95
40) Benzene	6.14	78	369145	19.245	ug/l	99
41) Methacrylonitrile	5.06	41	70423	19.962	ug/l	99
42) 1,2-Dichloroethane	6.20	62	126456	19.054	ug/l	99
43) Isopropyl Acetate	6.46	43	198098	19.497	ug/l	99
44) Trichloroethene	7.21	130	109041	18.875	ug/l	91
45) 1,2-Dichloropropane	7.51	63	93193	19.391	ug/l	95
46) Dibromomethane	7.66	93	66080	18.918	ug/l	98
47) Bromodichloromethane	7.90	83	116055	19.604	ug/l	99
48) Methyl methacrylate	7.77	41	100104	19.697	ug/l	99
49) 1,4-Dioxane	7.75	88	46706	408.212	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	665185	99.452	ug/l	100
52) Toluene	8.78	92	238863	19.301	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	123133	19.364	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	138224	19.767	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	101051	19.588	ug/l	94
56) Ethyl methacrylate	9.18	69	138109	19.330	ug/l	100
57) 1,3-Dichloropropane	9.37	76	157966	19.255	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	367136	97.488	ug/l	99
59) 2-Hexanone	9.49	43	509606	97.911	ug/l	100
60) Dibromochloromethane	9.58	129	98802	20.251	ug/l	98
61) 1,2-Dibromoethane	9.67	107	106796	19.548	ug/l	100
64) Tetrachloroethene	9.34	164	120540	18.818	ug/l	98
65) Chlorobenzene	10.14	112	275020	18.544	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	97882	19.685	ug/l	98
67) Ethyl Benzene	10.25	91	460124	19.266	ug/l	100
68) m/p-Xylenes	10.36	106	360471	37.969	ug/l	99
69) o-Xylene	10.69	106	176525	19.323	ug/l	99
70) Styrene	10.71	104	285405	19.264	ug/l	99
71) Bromoform	10.85	173	72978	19.415	ug/l #	99
73) Isopropylbenzene	11.02	105	480193	19.495	ug/l	99
74) N-amyl acetate	10.90	43	176940	18.572	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	144118	19.198	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	138872m	19.697	ug/l	
77) Bromobenzene	11.26	156	129497	18.659	ug/l	99
78) n-propylbenzene	11.36	91	529587	19.607	ug/l	100
79) 2-Chlorotoluene	11.42	91	315165	19.230	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	390817	19.394	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	38150	19.539	ug/l	99
82) 4-Chlorotoluene	11.51	91	362693	19.125	ug/l	99
83) tert-Butylbenzene	11.77	119	376982	18.895	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	401421	19.621	ug/l	100
85) sec-Butylbenzene	11.94	105	482627	19.987	ug/l	100
86) p-Isopropyltoluene	12.06	119	425360	19.514	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	235808	18.933	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	233966	18.515	ug/l	99
89) n-Butylbenzene	12.39	91	360643	19.233	ug/l	99
90) Hexachloroethane	12.60	117	65375	20.039	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	228793	18.458	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	30224	19.363	ug/l	96

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QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	155689	18.625	ug/l	99
94) Hexachlorobutadiene	13.78	225	79110	19.490	ug/l	97
95) Naphthalene	13.83	128	461100	18.863	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	156899	18.647	ug/l	98

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

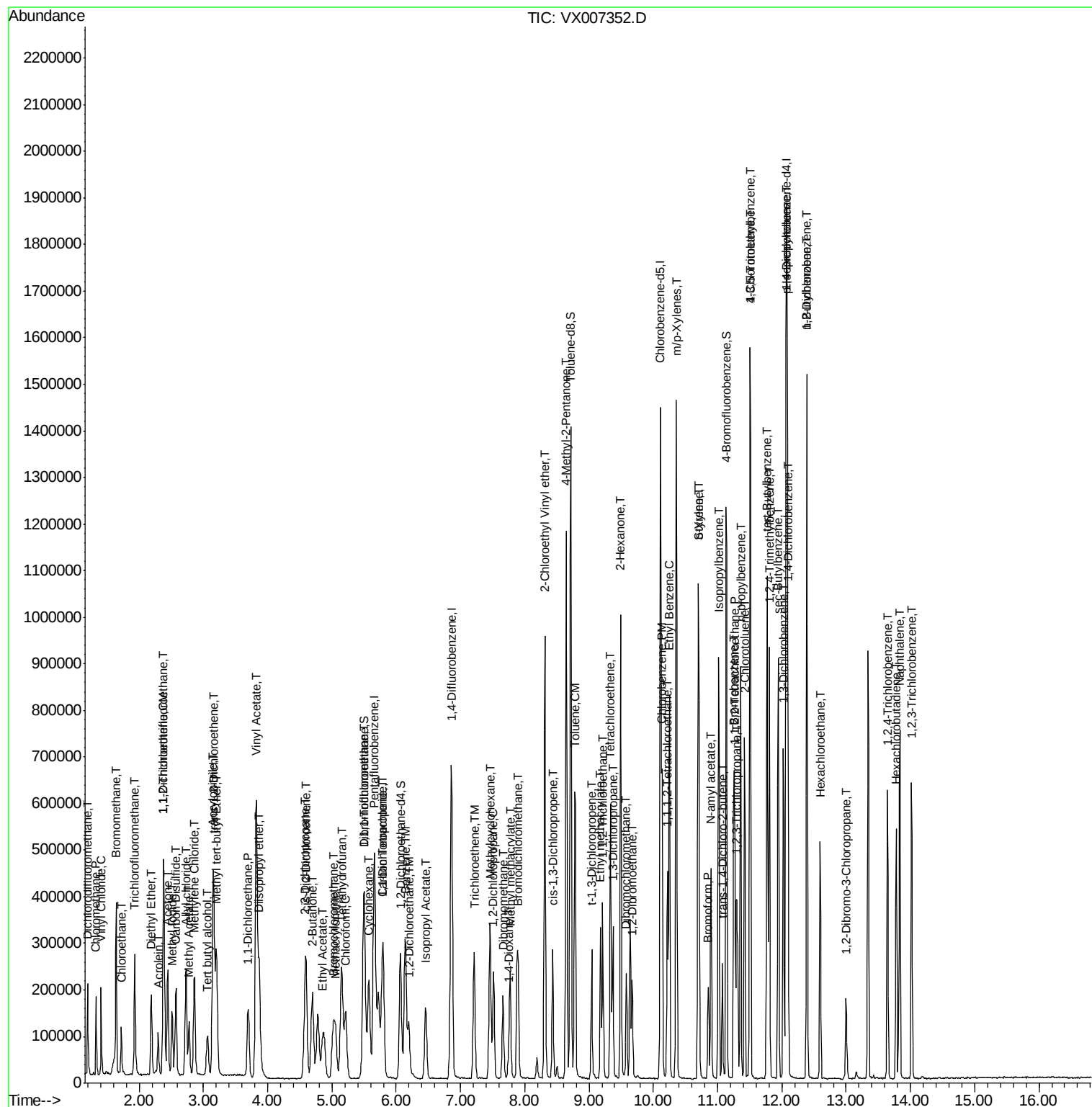
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Data File : VX007352.D
Acq On : 04 Feb 2019 12:03
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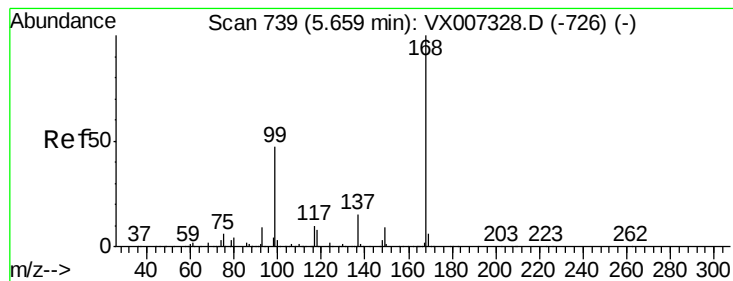
Instrument :
MSVOA_X
ClientSampleId :
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX007352.D

Acq: 04 Feb 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

VX0204WBS01

Tot Ion:168 Resp: 509906

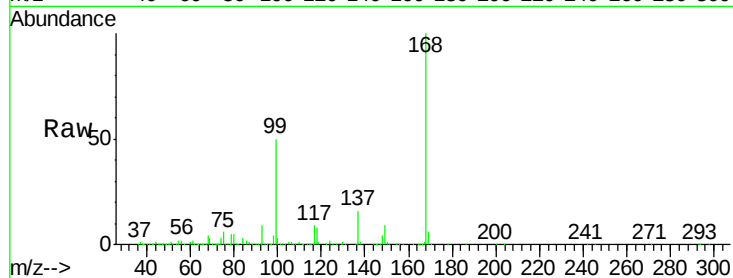
Ion Ratio Lower Upper

168 100

99 49.9 37.9 56.9

Manual Integrations
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2/5/2019 9:52:39 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

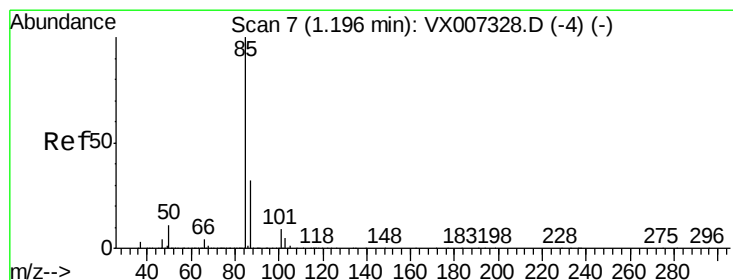
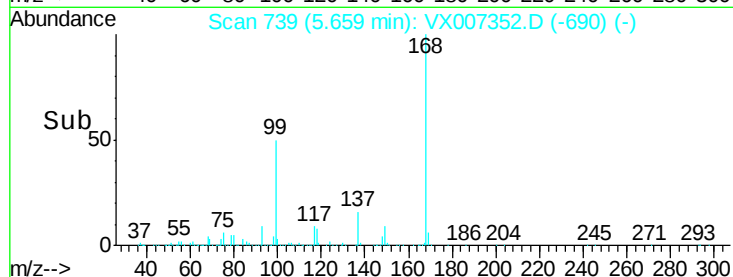
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100000

50000

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Time-->



#2

Dichlorodifluoromethane

Concen: 20.197 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007352.D

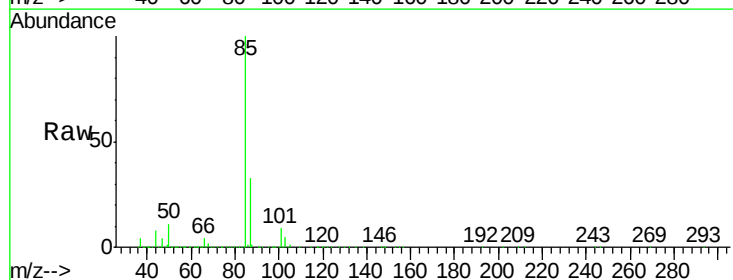
Acq: 04 Feb 2019 12:03

Tgt Ion: 85 Resp: 125888

Ion Ratio Lower Upper

85 100

87 32.4 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

120000

100000

80000

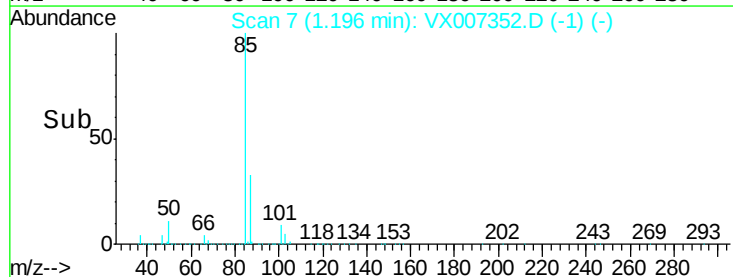
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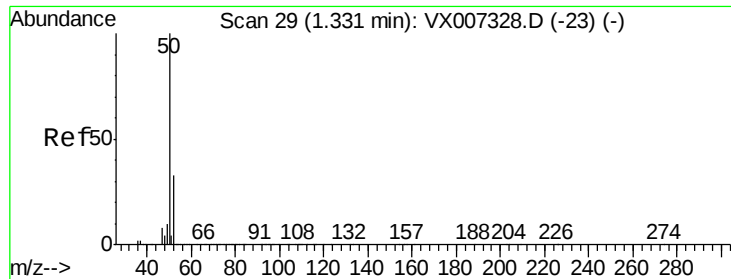
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20000

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Time-->





#3

Chloromethane

Concen: 19.425 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007352.D

Acq: 04 Feb 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

VX0204WBS01

Tot Ion: 50 Resp: 111565

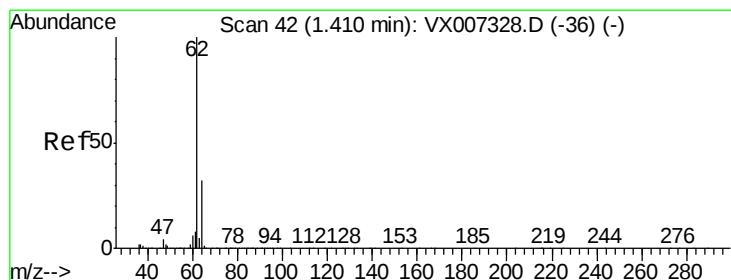
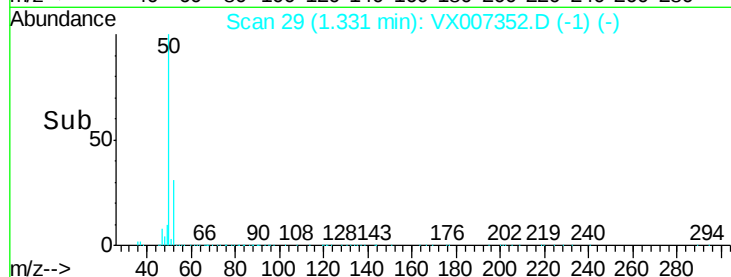
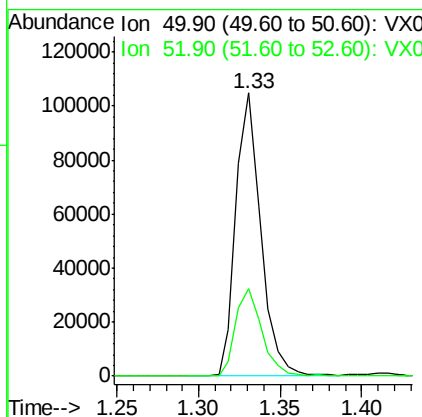
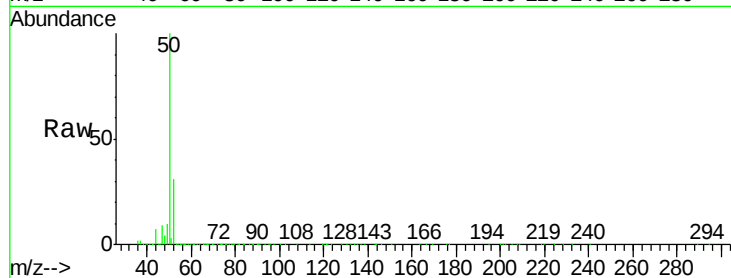
Ion Ratio Lower Upper

50 100

52 30.7 26.1 39.1

Manual Integrations
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2/5/2019 9:52:39 AM



#4

Vinyl Chloride

Concen: 20.478 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007352.D

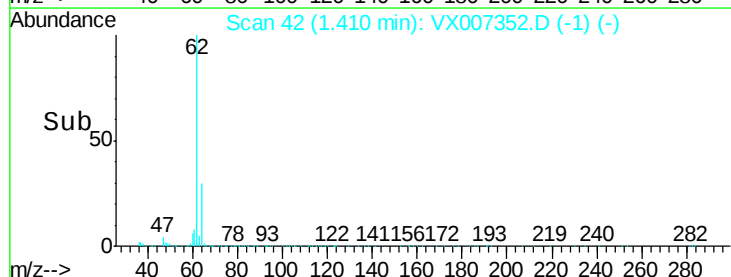
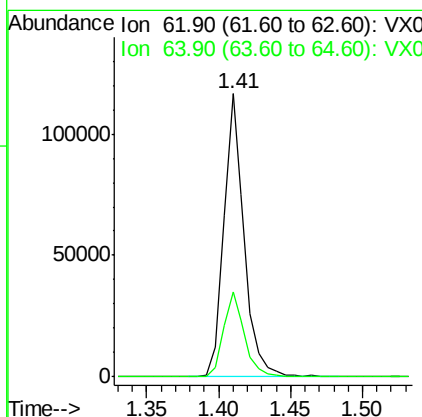
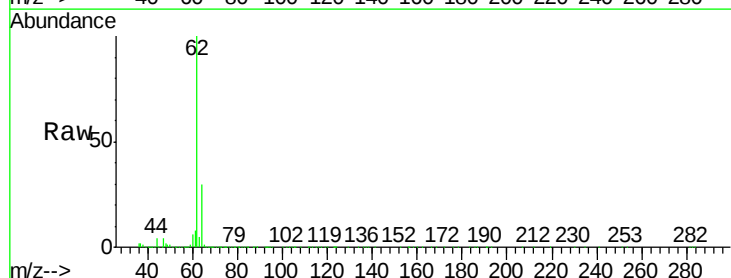
Acq: 04 Feb 2019 12:03

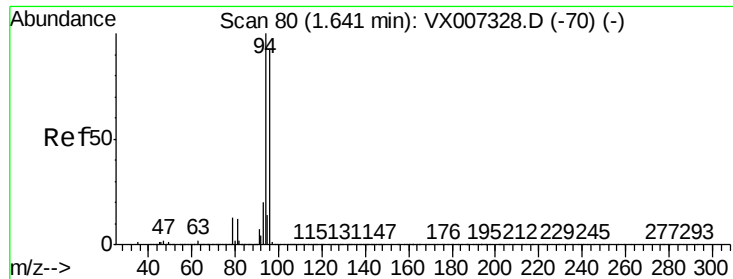
Tgt Ion: 62 Resp: 115382

Ion Ratio Lower Upper

62 100

64 30.0 25.4 38.0





#5

Bromomethane

Concen: 19.733 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007352.D

Acq: 04 Feb 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

VX0204WBS01

Tot Ion: 94 Resp: 111592

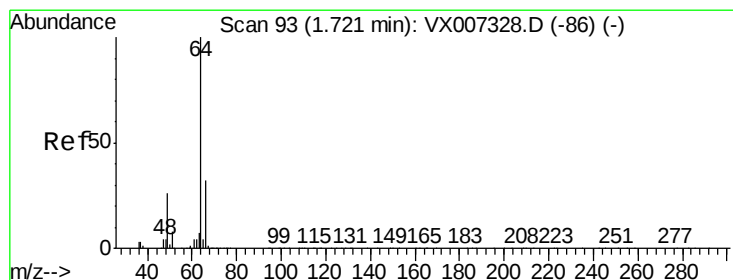
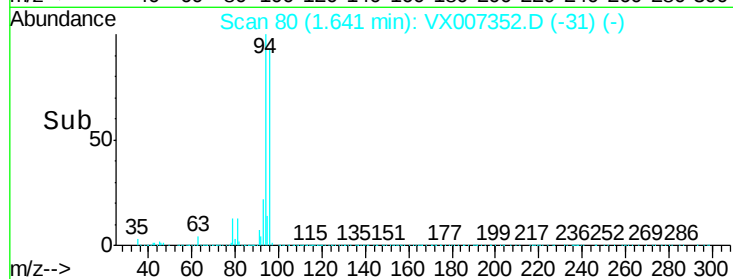
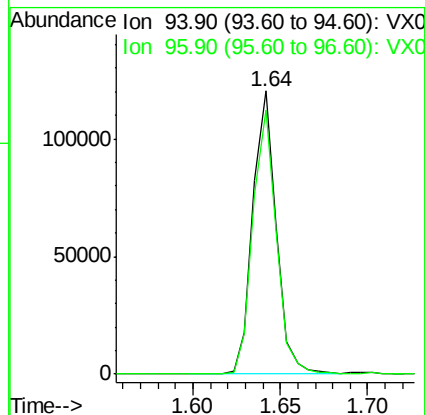
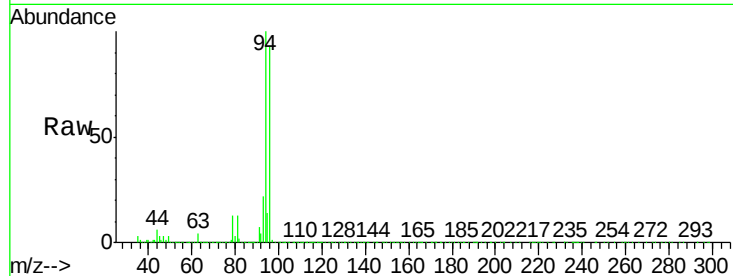
Ion Ratio Lower Upper

94 100

96 93.3 73.9 110.9

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#6

Chloroethane

Concen: 18.776 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX007352.D

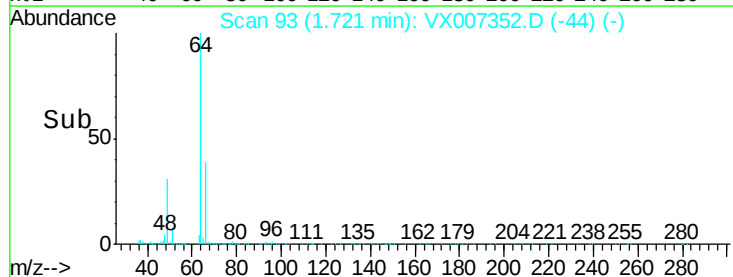
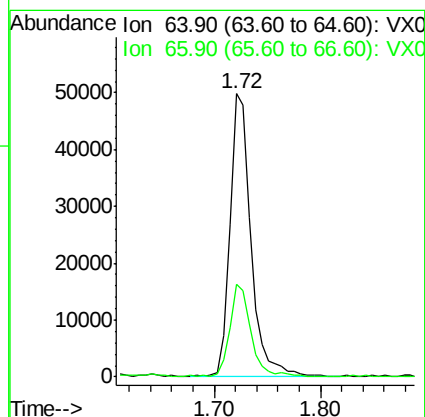
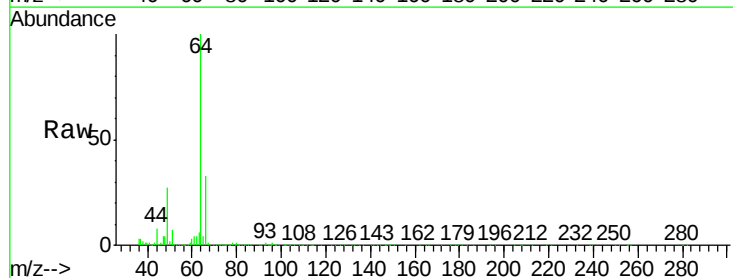
Acq: 04 Feb 2019 12:03

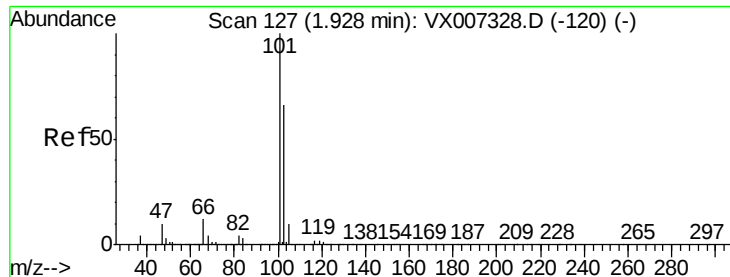
Tgt Ion: 64 Resp: 68437

Ion Ratio Lower Upper

64 100

66 32.4 25.5 38.3





#7

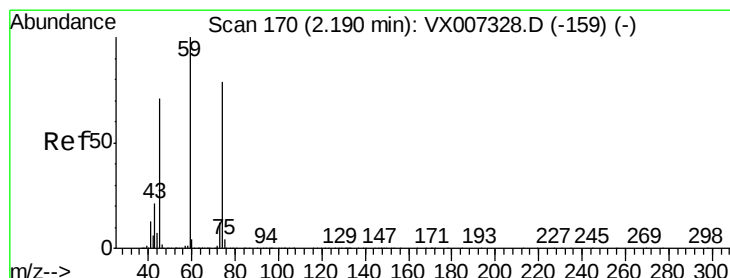
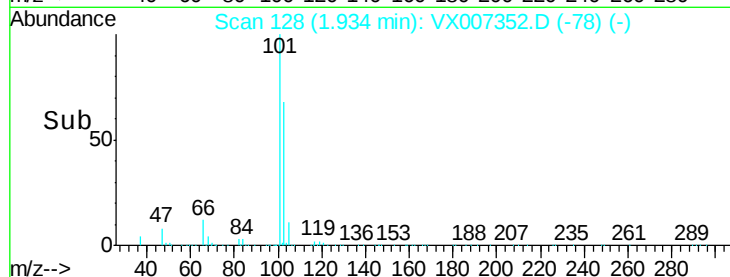
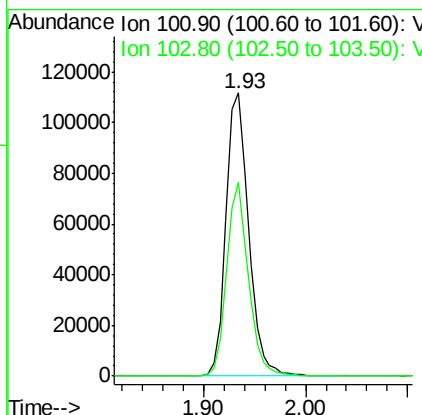
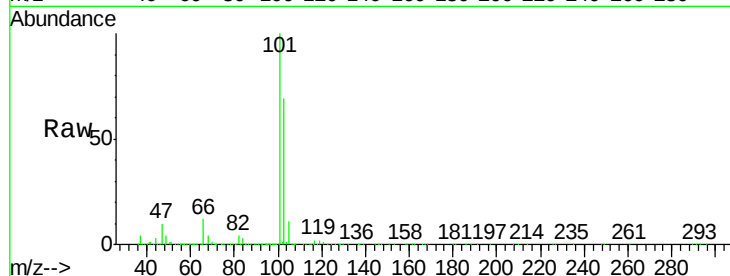
Trichlorofluoromethane
Concen: 19.508 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX007352.D
Acq: 04 Feb 2019 12:03

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	68.4	52.6	79.0

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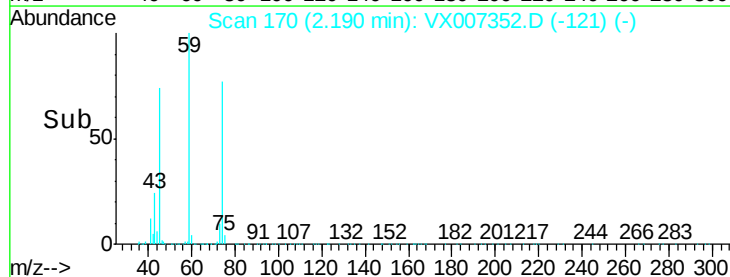
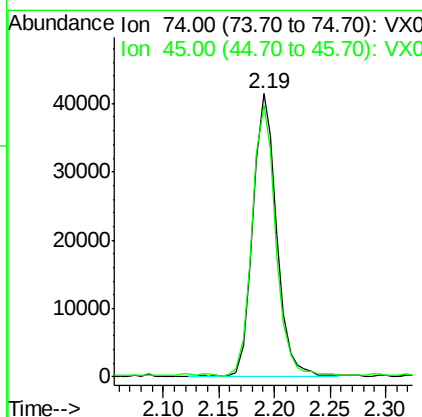
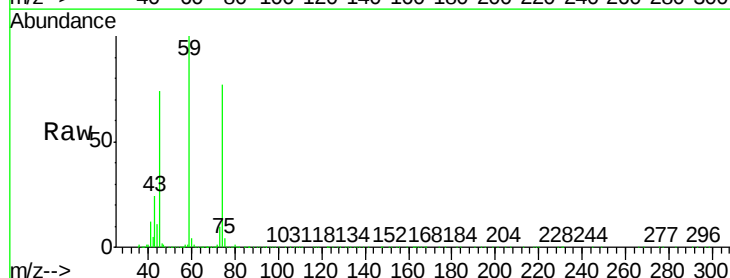
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2/5/2019 9:52:39 AM

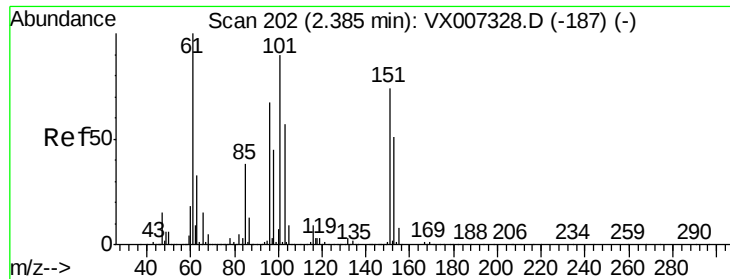


#8

Diethyl Ether
Concen: 18.678 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007352.D
Acq: 04 Feb 2019 12:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.8	45.7	137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.068 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX007352.D

Acq: 04 Feb 2019 12:03

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MSVOA_X

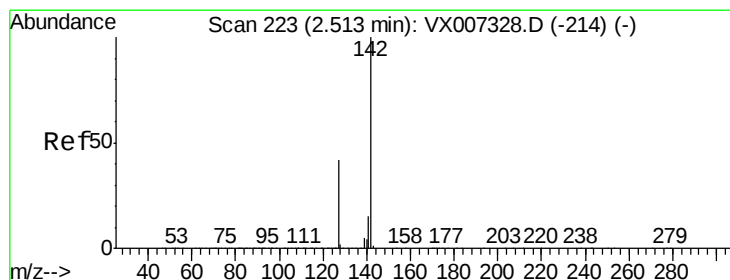
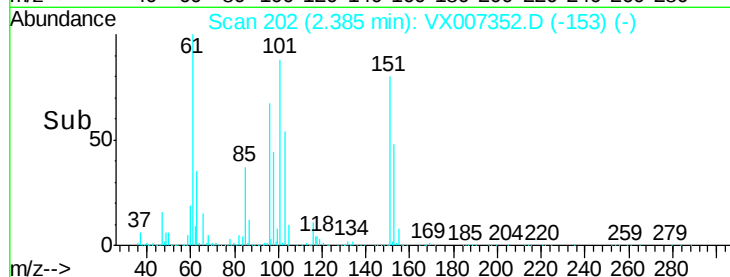
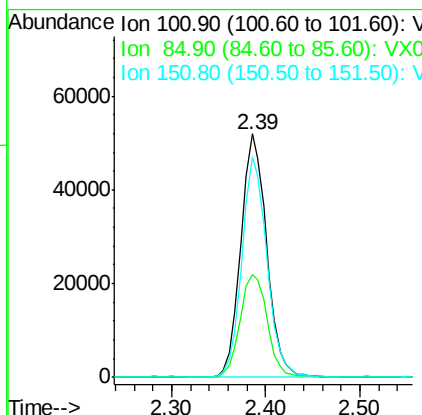
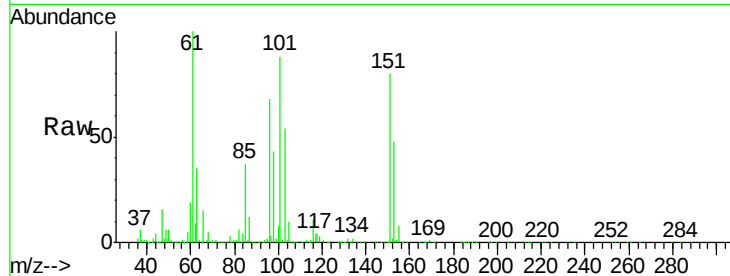
ClientSampleId :

VX0204WBS01

Tot Ion:	101	Resp:	99972
Ion Ratio	Lower	Upper	
101	100		
85	44.6	34.1	51.1
151	88.2	69.9	104.9

Manual Integrations
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#10

Methyl Iodide

Concen: 18.550 ug/l

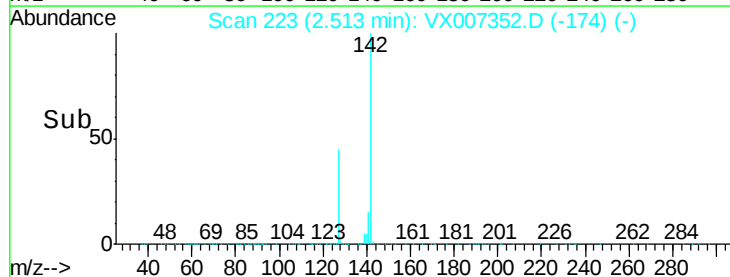
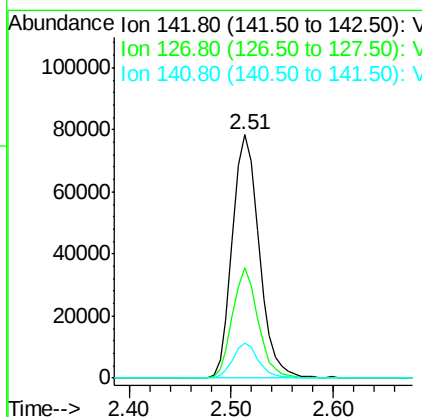
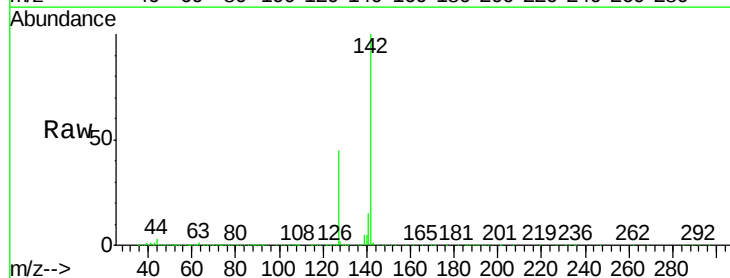
RT: 2.51 min Scan# 223

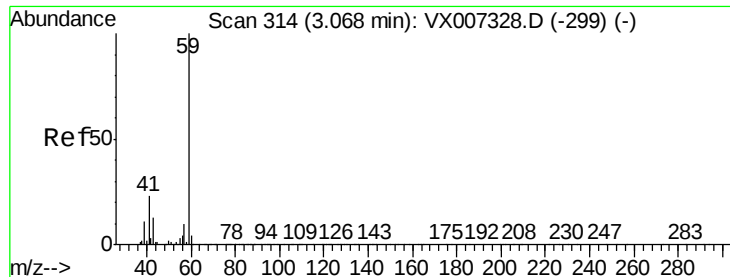
Delta R.T. -0.00 min

Lab File: VX007352.D

Acq: 04 Feb 2019 12:03

Tgt Ion:	142	Resp:	143072
Ion Ratio	Lower	Upper	
142	100		
127	42.6	33.7	50.5
141	14.1	11.3	16.9





#11

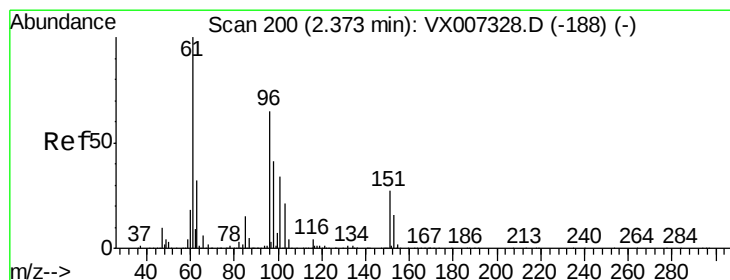
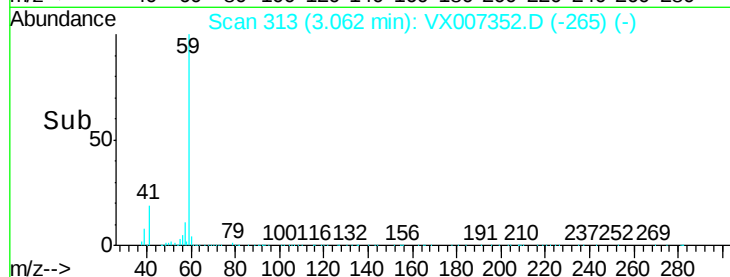
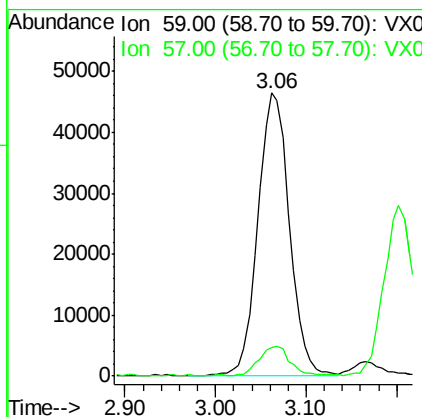
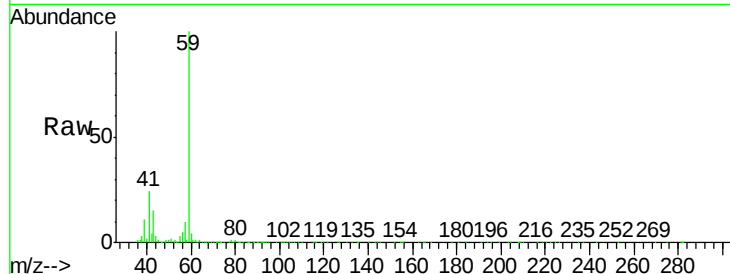
Tert butyl alcohol
Concen: 100.115 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.01 min
Lab File: VX007352.D
Acq: 04 Feb 2019 12:03

Instrument :
MSVOA_X
ClientSampled :
VX0204WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.1	12.1

Manual Integrations
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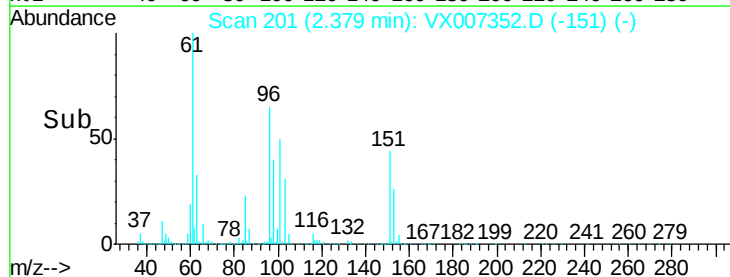
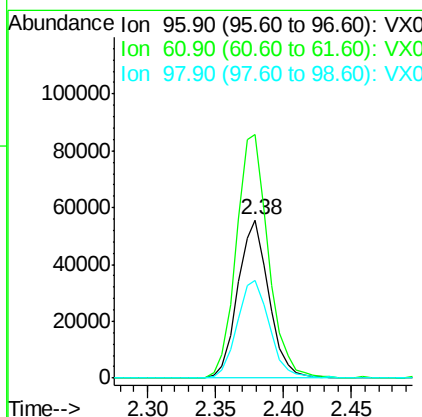
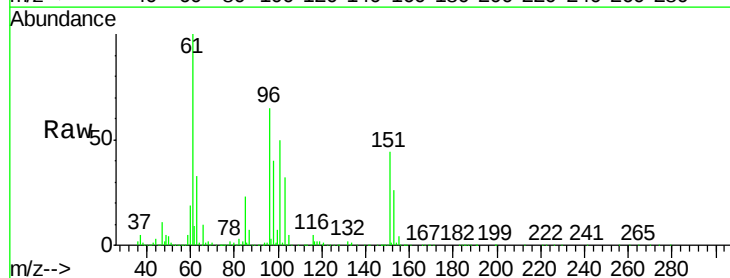
MMDadoda
2/5/2019 9:52:39 AM

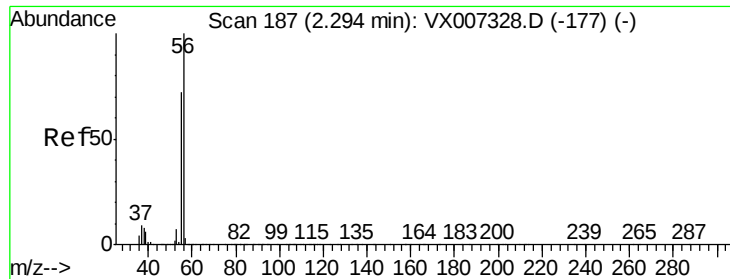


#12

1,1-Dichloroethene
Concen: 18.273 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX007352.D
Acq: 04 Feb 2019 12:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.8	123.0	184.4
98	61.6	50.9	76.3





#13

Acrolein

Concen: 125.199 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX007352.D

Acq: 04 Feb 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

VX0204WBS01

Tot Ion: 56 Resp: 65758

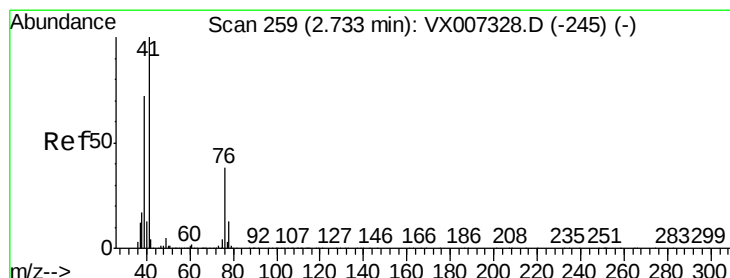
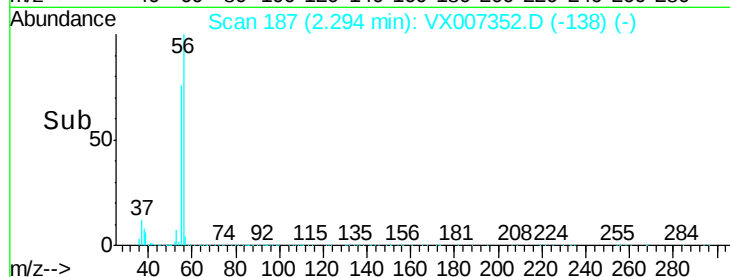
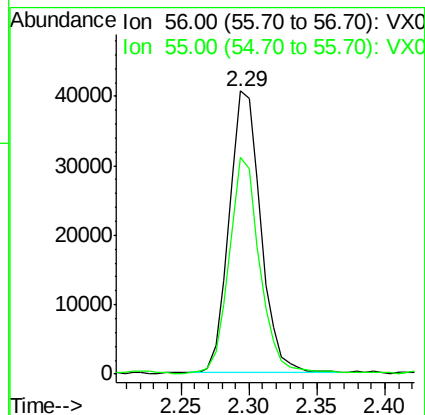
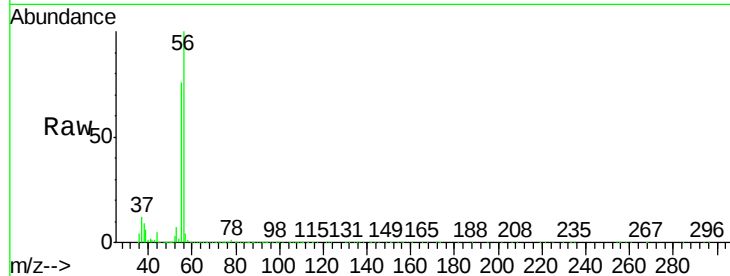
Ion Ratio Lower Upper

56 100

55 74.2 56.9 85.3

Manual Integrations
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#14

Allyl chloride

Concen: 19.318 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.01 min

Lab File: VX007352.D

Acq: 04 Feb 2019 12:03

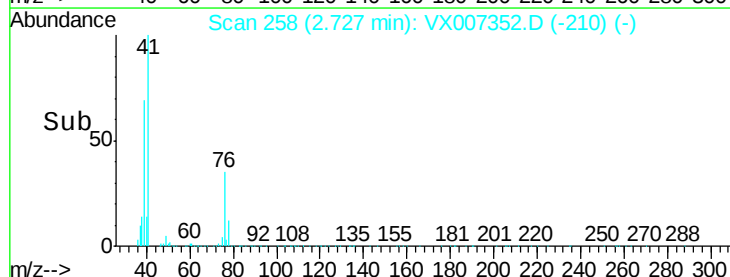
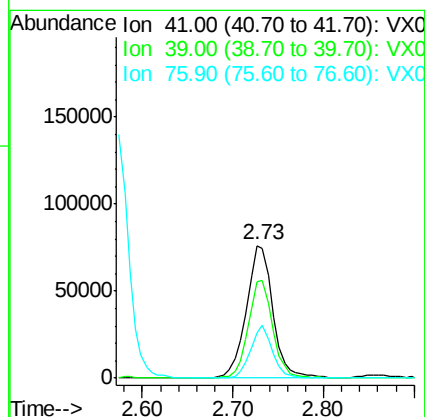
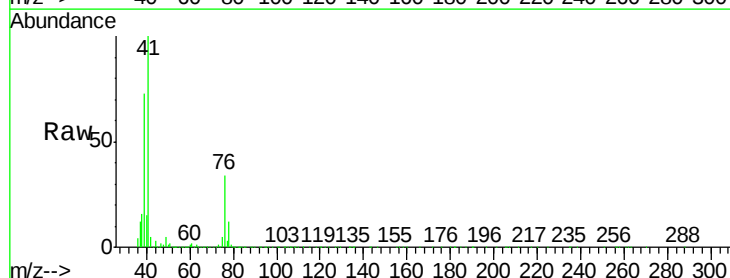
Tgt Ion: 41 Resp: 153242

Ion Ratio Lower Upper

41 100

39 67.2 54.1 81.1

76 32.7 27.8 41.8





#15

Acrylonitrile

Concen: 95.275 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX007352.D

Acq: 04 Feb 2019 12:03

Instrument :

MSVOA_X

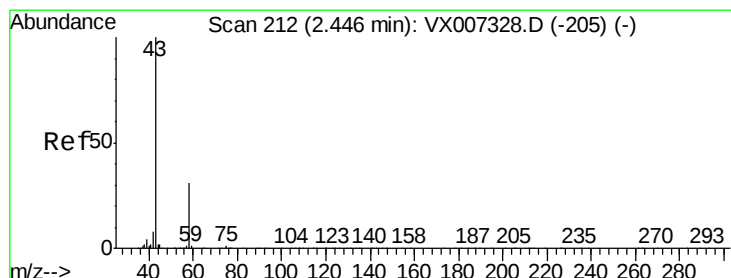
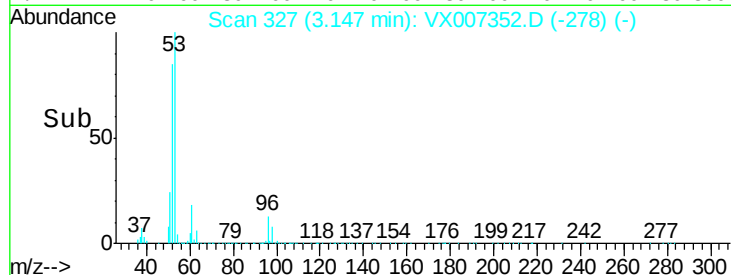
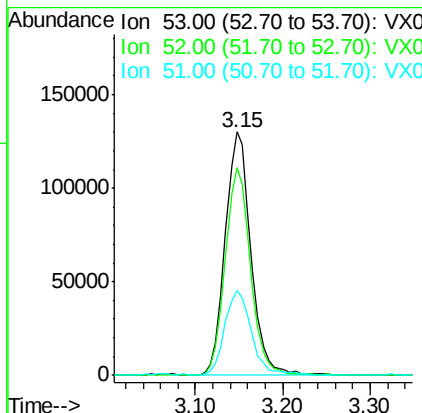
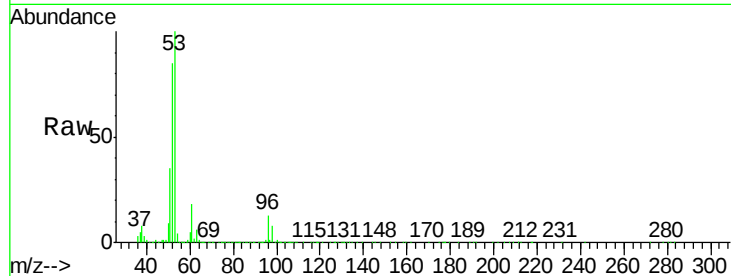
ClientSampleId :

VX0204WBS01

Tot Ion:	53	Resp:	263990
Ion Ratio		Lower	Upper
53	100		
52	84.3	66.4	99.6
51	36.2	28.4	42.6

Manual Integrations
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2/5/2019 9:52:39 AM



#16

Acetone

Concen: 93.640 ug/l

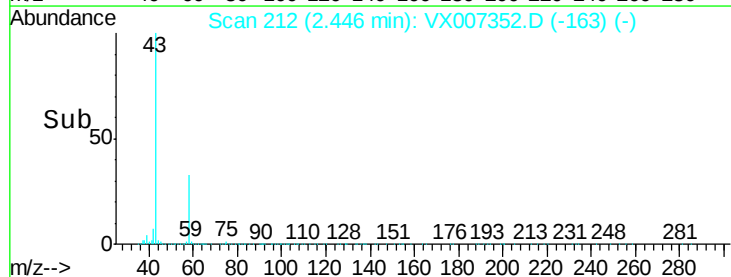
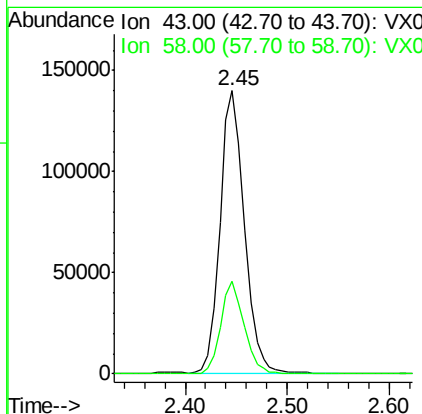
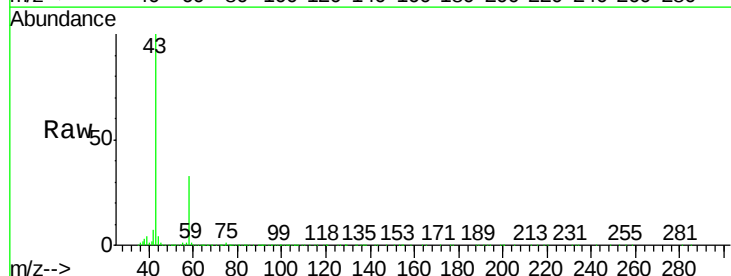
RT: 2.45 min Scan# 212

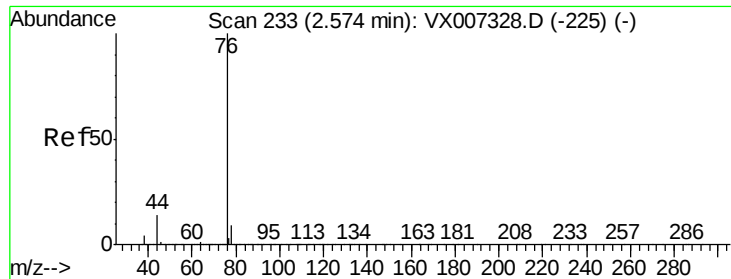
Delta R.T. -0.00 min

Lab File: VX007352.D

Acq: 04 Feb 2019 12:03

Tgt Ion:	43	Resp:	232152
Ion Ratio		Lower	Upper
43	100		
58	32.7	24.9	37.3





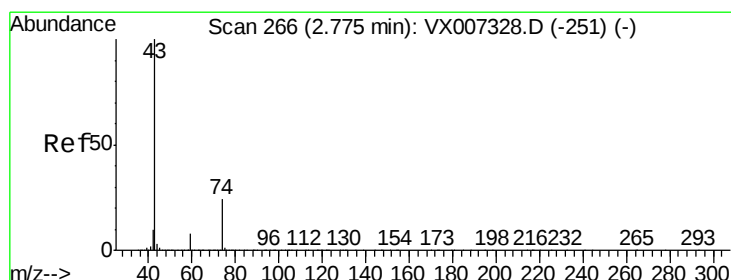
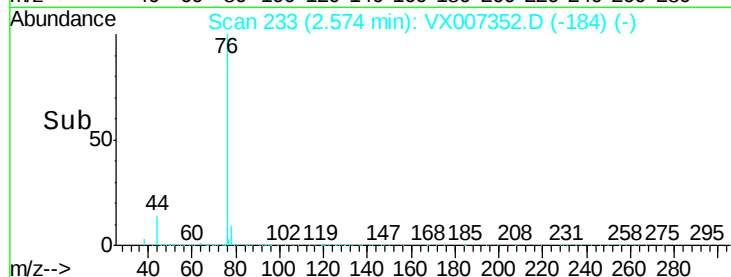
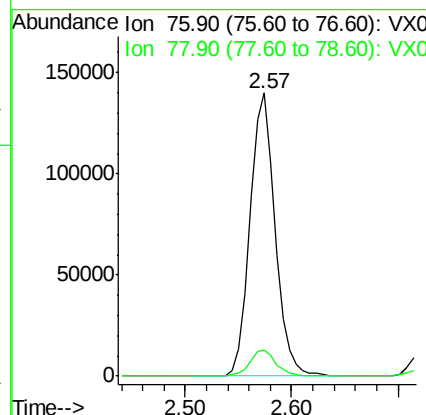
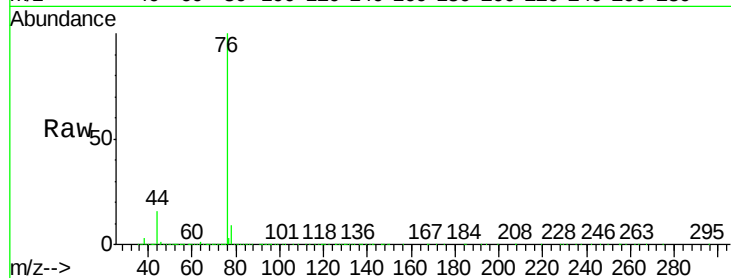
#17
Carbon Disulfide
Concen: 19.566 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.00 min
Lab File: VX007352.D
Acq: 04 Feb 2019 12:03

Instrument :
MSVOA_X
ClientSampleId :
VX0204WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

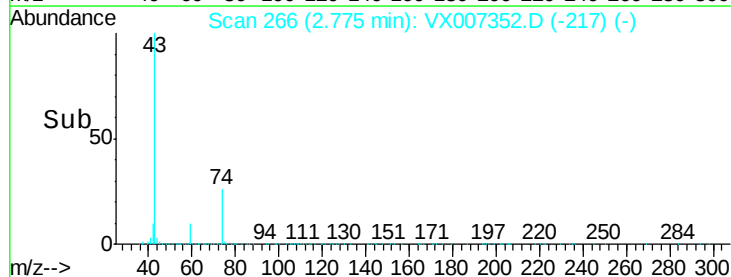
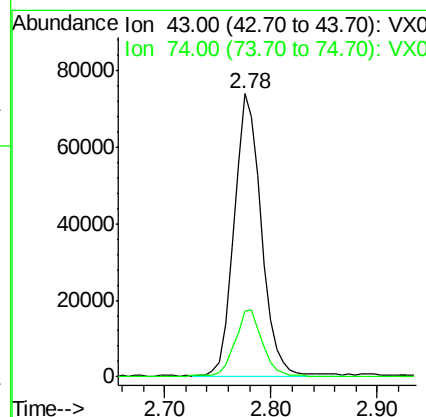
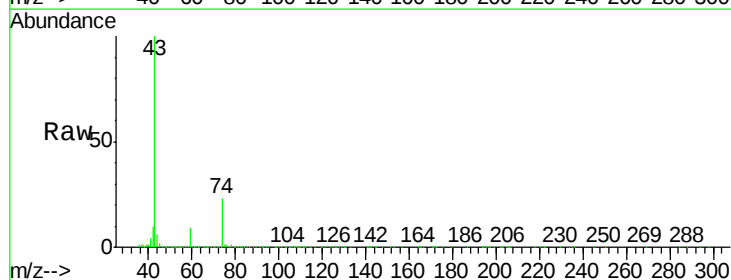
Manual Integrations
APPROVED

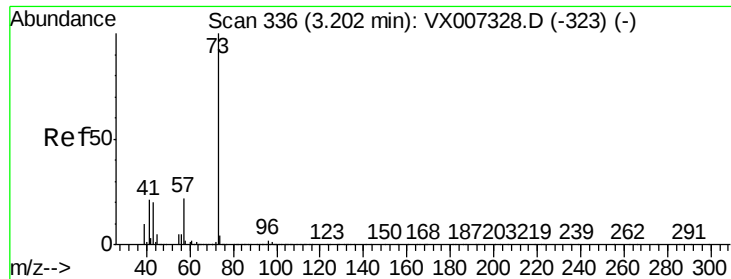
MMDadoda
2/5/2019 9:52:39 AM



#18
Methyl Acetate
Concen: 20.736 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX007352.D
Acq: 04 Feb 2019 12:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.4	29.2





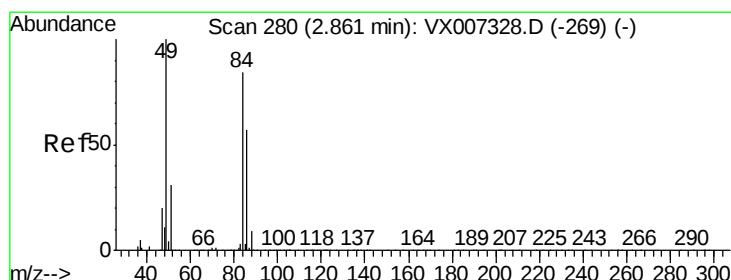
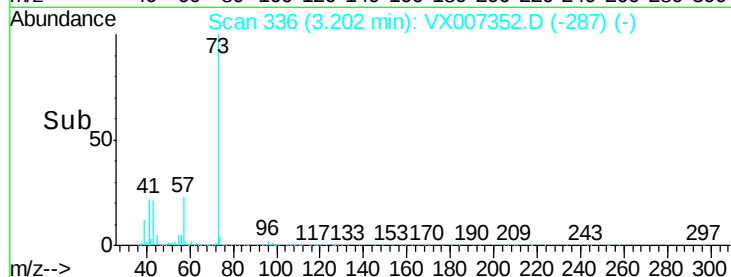
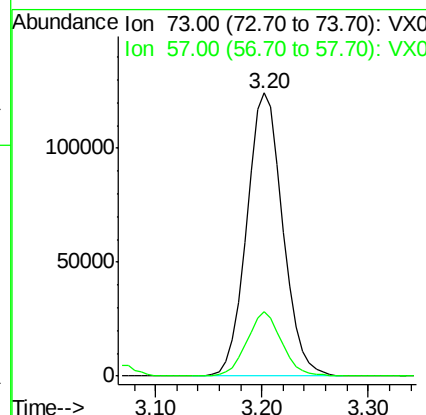
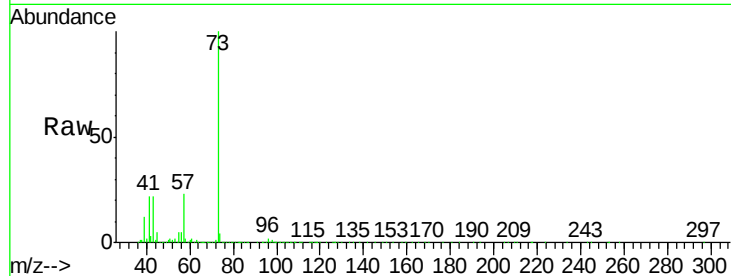
#19
Methyl tert-butyl Ether
Concen: 18.644 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX007352.D
Acq: 04 Feb 2019 12:03

Instrument :
MSVOA_X
ClientSampleId :
VX0204WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.8	26.8

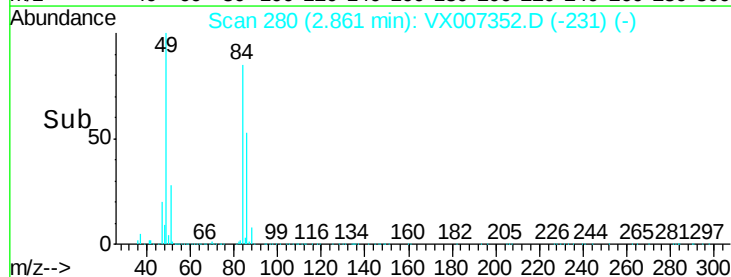
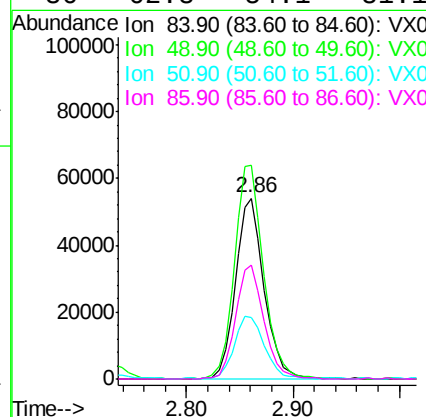
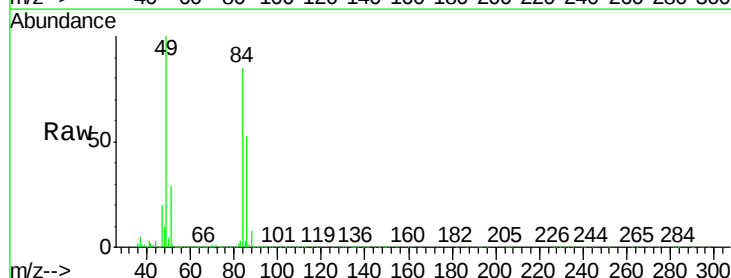
Manual Integrations
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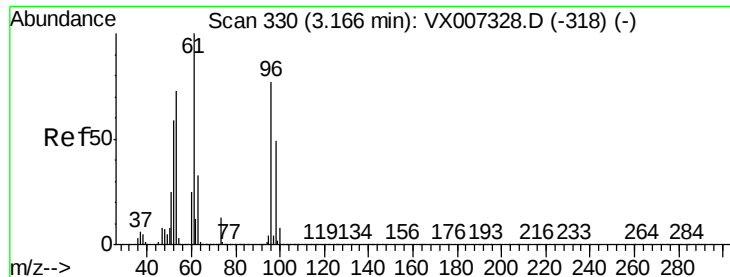
MMDadoda
2/5/2019 9:52:39 AM



#20
Methylene Chloride
Concen: 19.862 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007352.D
Acq: 04 Feb 2019 12:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.9	94.8	142.2
51	33.3	29.8	44.8
86	62.8	54.1	81.1





#21

trans-1,2-Dichloroethene

Concen: 18.239 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007352.D

Acq: 04 Feb 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

VX0204WBS01

Tot Ion: 96 Resp: 94593

Ion Ratio Lower Upper

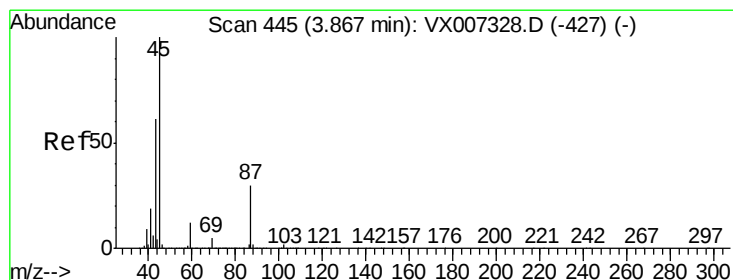
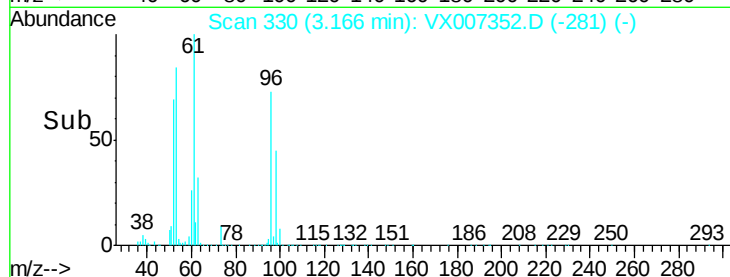
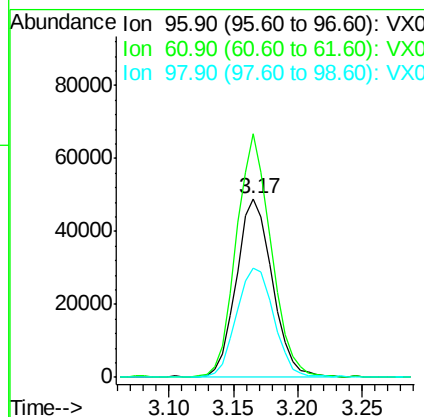
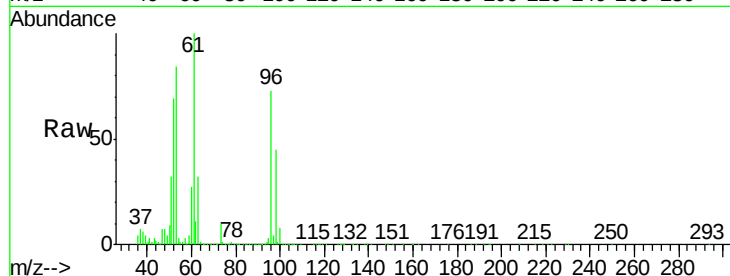
96 100

61 136.2 104.6 156.8

98 61.1 51.0 76.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.012 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX007352.D

Acq: 04 Feb 2019 12:03

Tgt Ion: 45 Resp: 277421

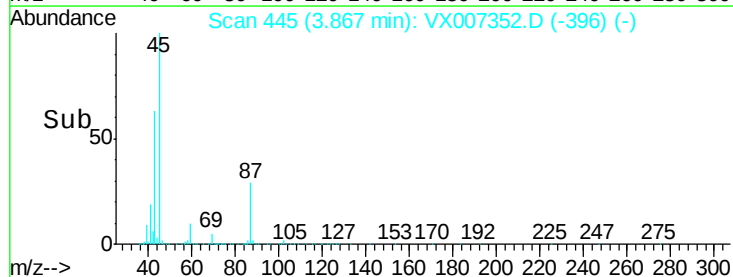
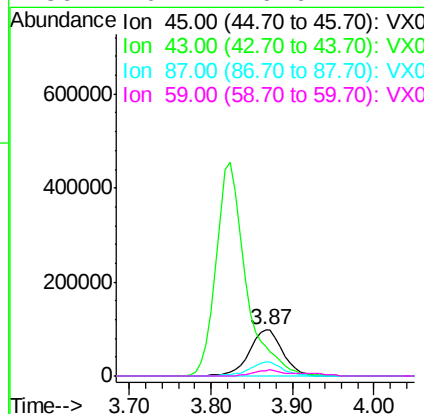
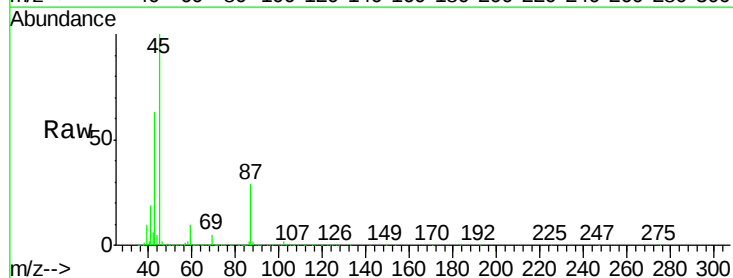
Ion Ratio Lower Upper

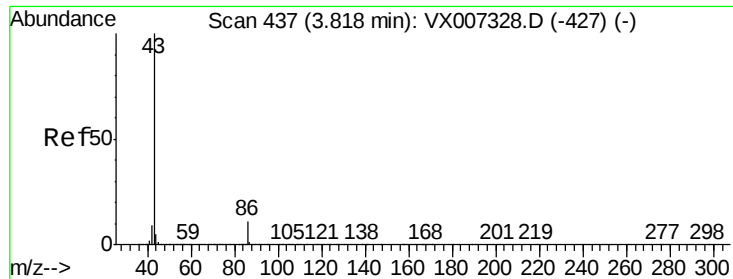
45 100

43 62.2 48.9 73.3

87 29.4 23.9 35.9

59 10.4 9.6 14.4





#23

Vinyl Acetate

Concen: 96.355 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX007352.D

Acq: 04 Feb 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

VX0204WBS01

Tot Ion: 43 Resp: 1166727

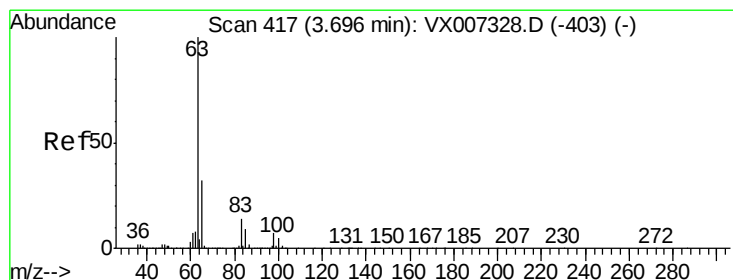
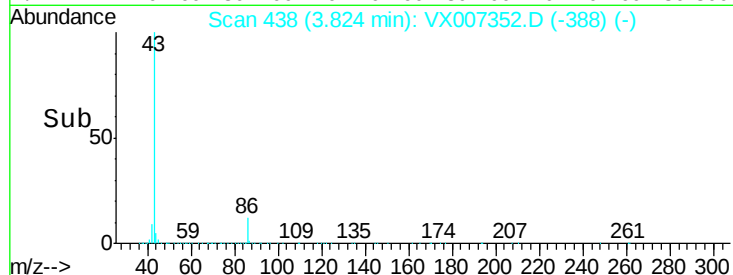
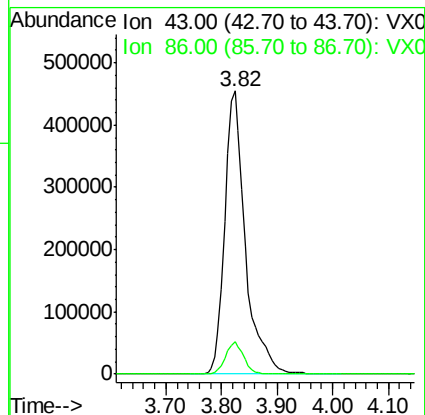
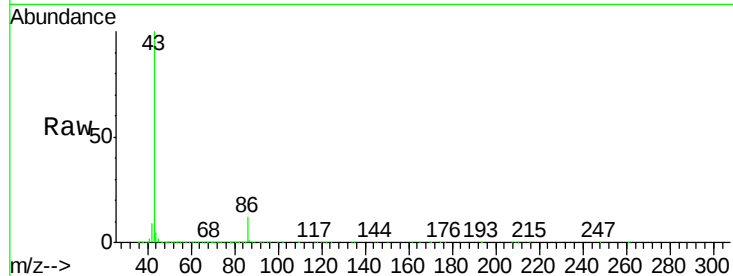
Ion Ratio Lower Upper

43 100

86 11.5 8.7 13.1

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 19.716 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007352.D

Acq: 04 Feb 2019 12:03

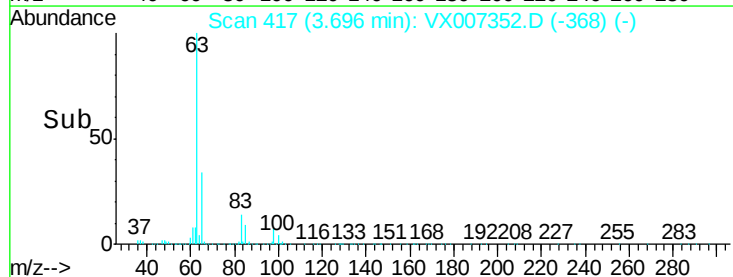
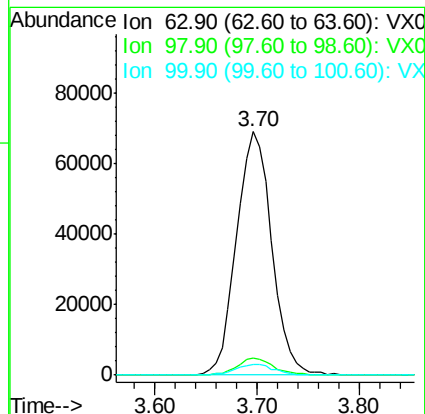
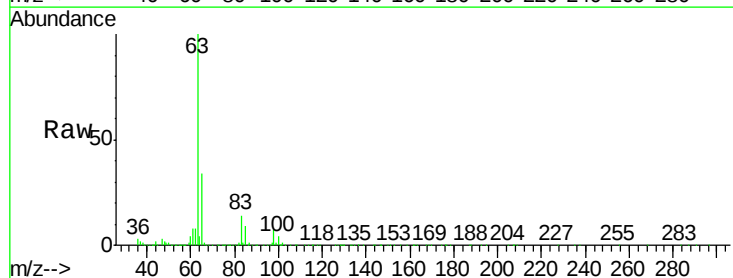
Tgt Ion: 63 Resp: 165217

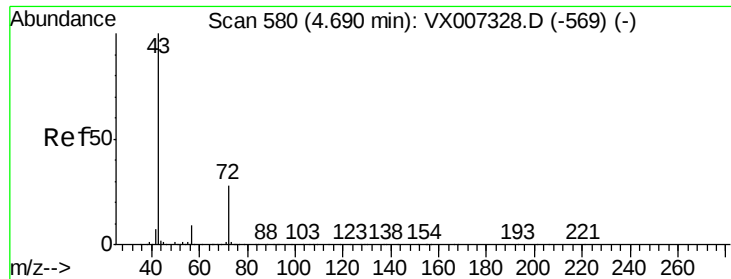
Ion Ratio Lower Upper

63 100

98 6.7 3.6 10.8

100 4.3 2.5 7.4





#25

2-Butanone

Concen: 95.910 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.01 min

Lab File: VX007352.D

Acq: 04 Feb 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

VX0204WBS01

Tot Ion: 43 Resp: 338390

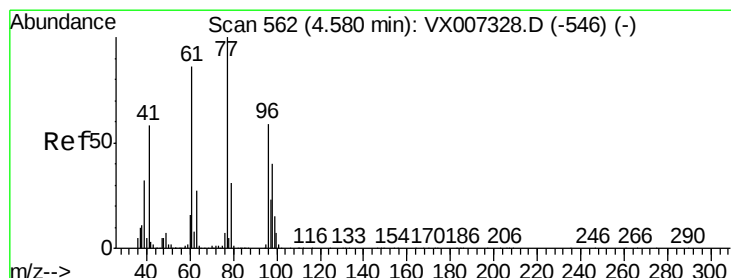
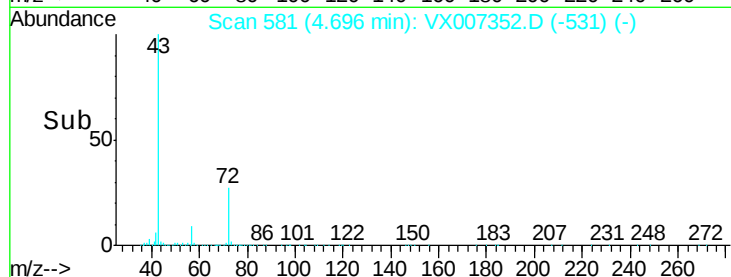
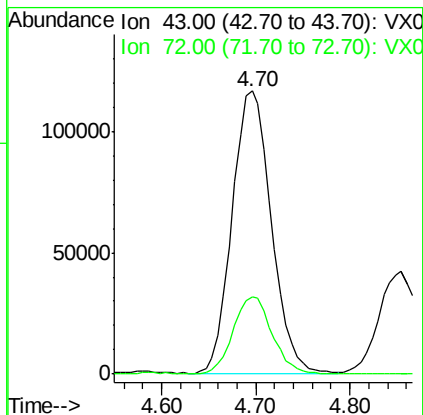
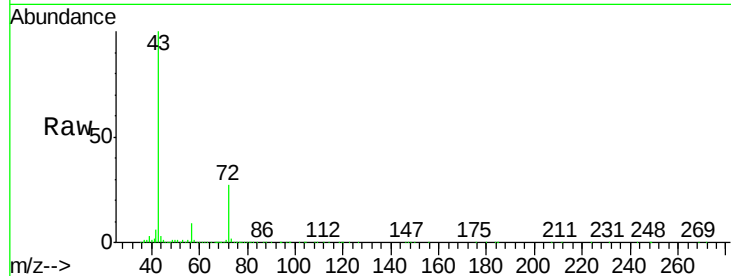
Ion Ratio Lower Upper

43 100

72 27.3 22.2 33.2

Manual Integrations
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MMDadoda
2/5/2019 9:52:39 AM



#26

2,2-Dichloropropane

Concen: 18.683 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX007352.D

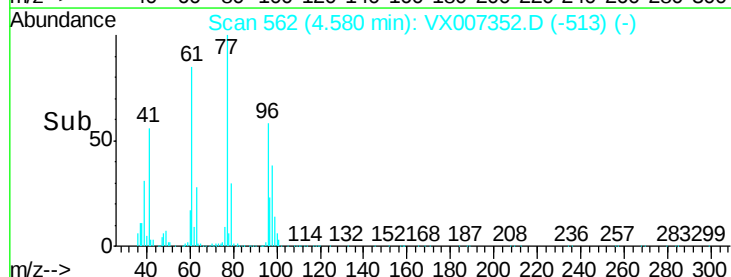
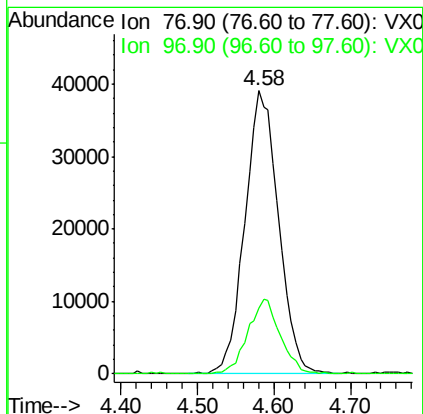
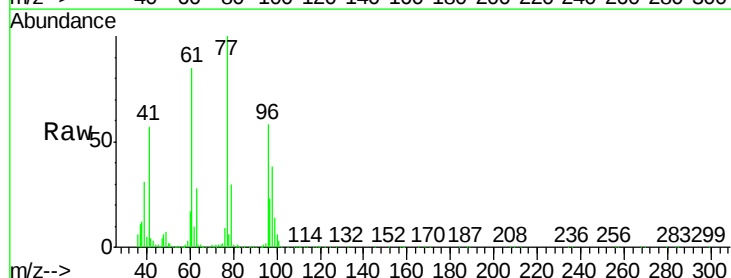
Acq: 04 Feb 2019 12:03

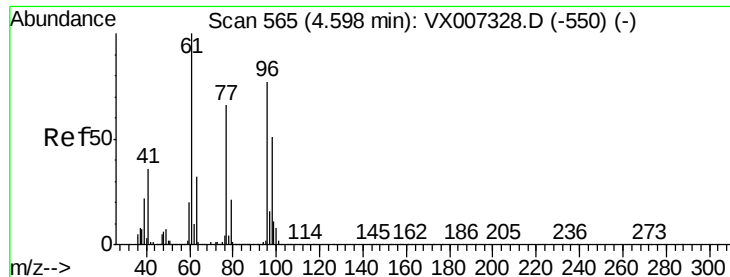
Tgt Ion: 77 Resp: 119229

Ion Ratio Lower Upper

77 100

97 25.9 12.1 36.3





#27

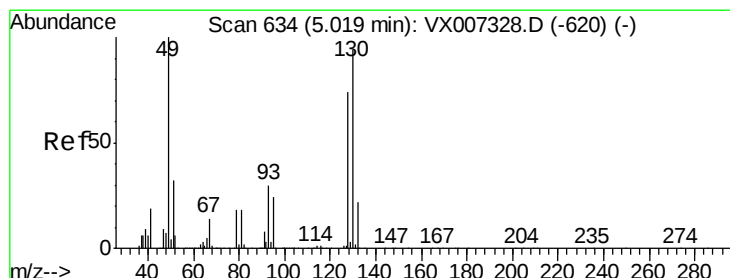
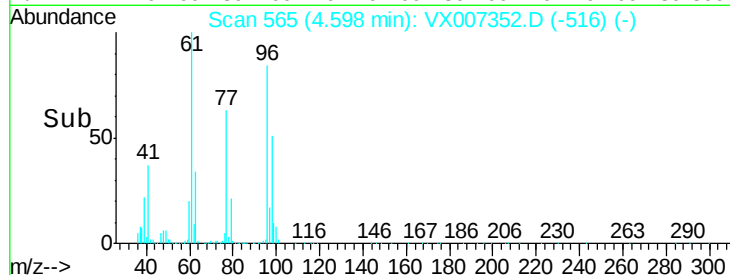
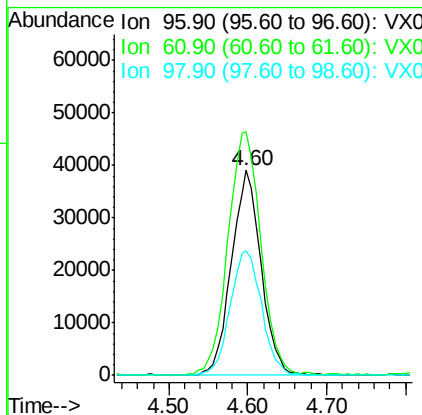
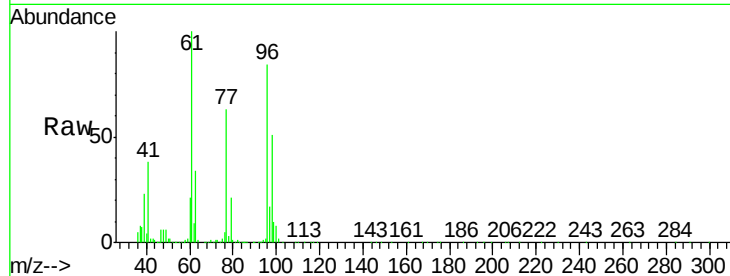
cis-1,2-Dichloroethene
Concen: 18.026 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX007352.D
Acq: 04 Feb 2019 12:03

Instrument :
MSVOA_X
ClientSampleId :
VX0204WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	102110		
61	131.8	0.0	265.6	
98	64.8	0.0	131.6	

Manual Integrations
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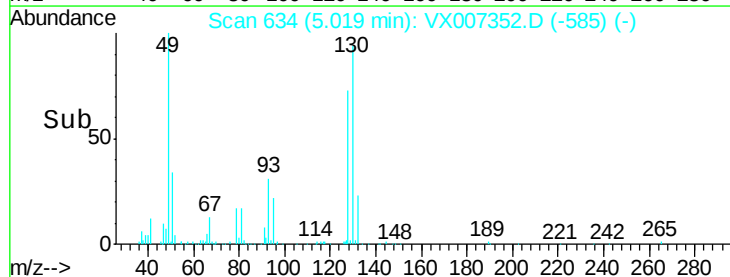
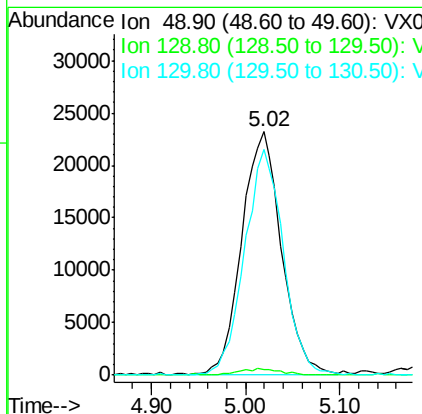
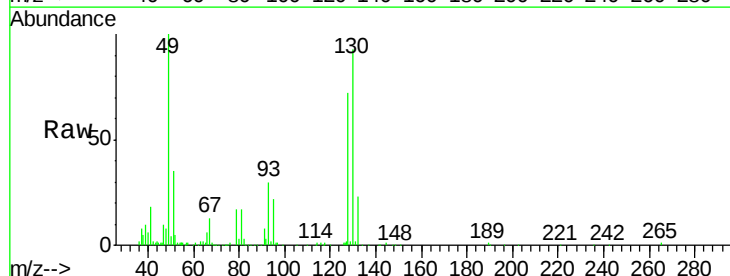
MMDadoda
2/5/2019 9:52:39 AM

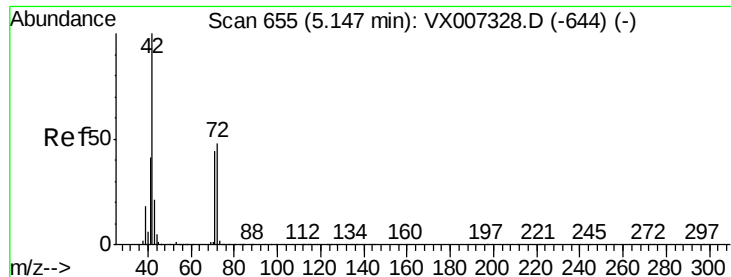


#28

Bromochloromethane
Concen: 17.548 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX007352.D
Acq: 04 Feb 2019 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	67621		
129	2.8	0.0	5.6	
130	92.0	75.6	113.4	





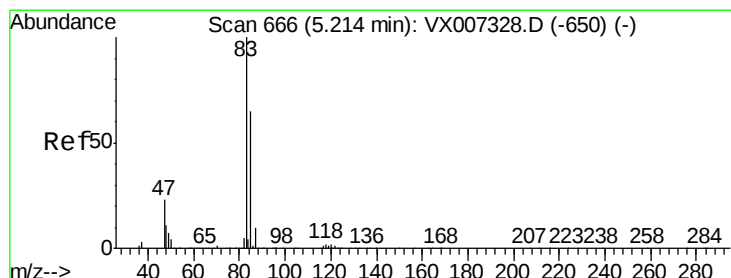
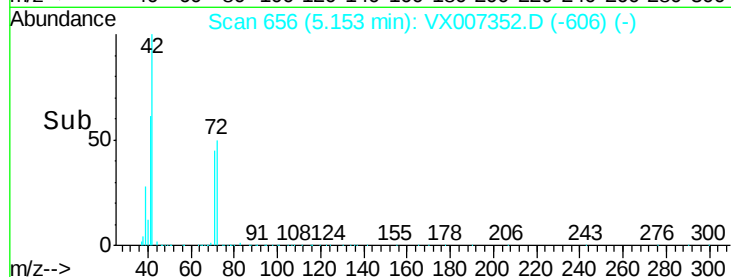
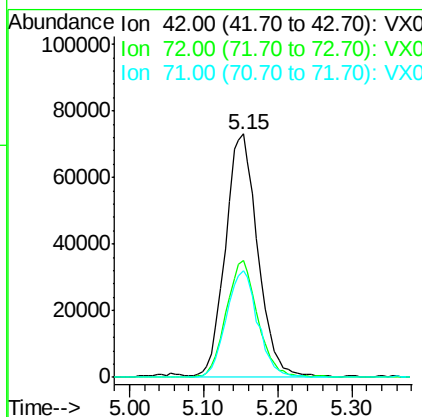
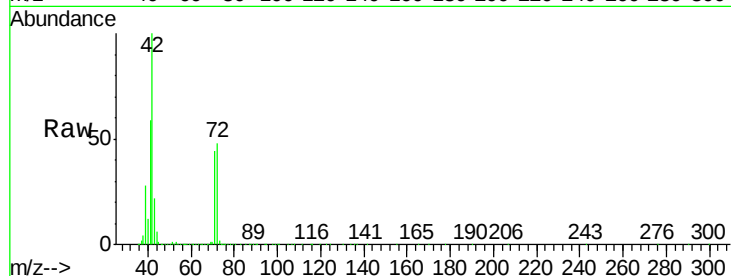
#29
Tetrahydrofuran
Concen: 99.310 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.01 min
Lab File: VX007352.D
Acq: 04 Feb 2019 12:03

Instrument :
MSVOA_X
ClientSampleId :
VX0204WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.2	37.6	56.4
71	43.1	34.6	51.8

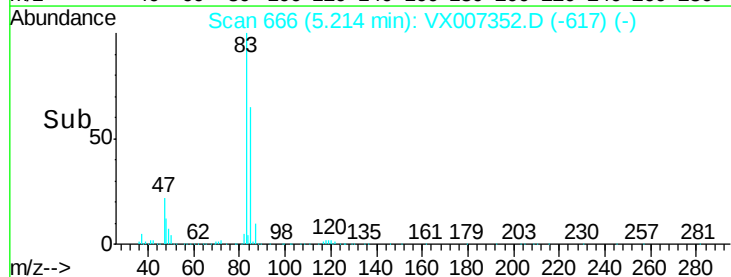
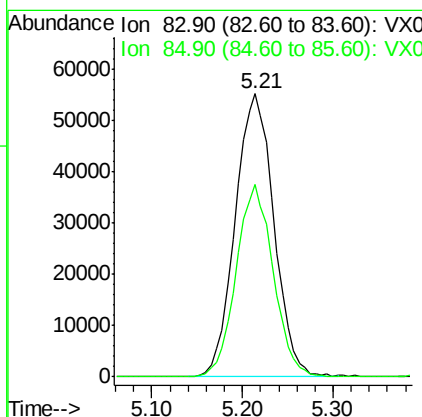
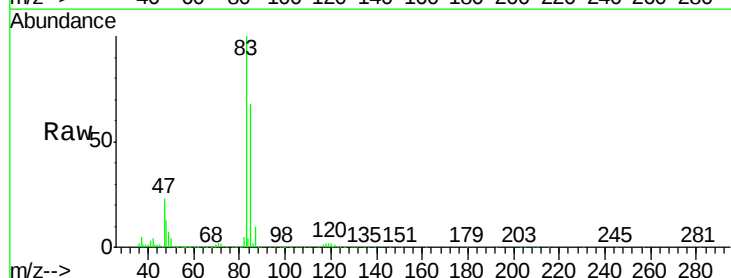
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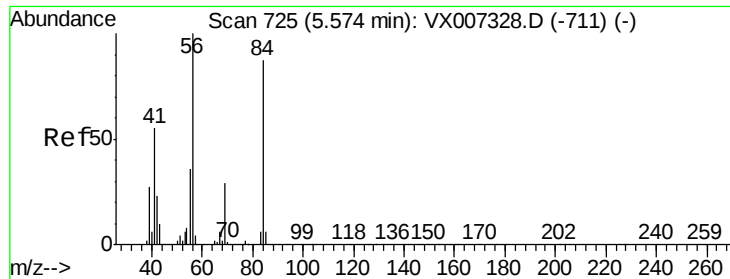
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#30
Chloroform
Concen: 18.733 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX007352.D
Acq: 04 Feb 2019 12:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.8	51.6	77.4





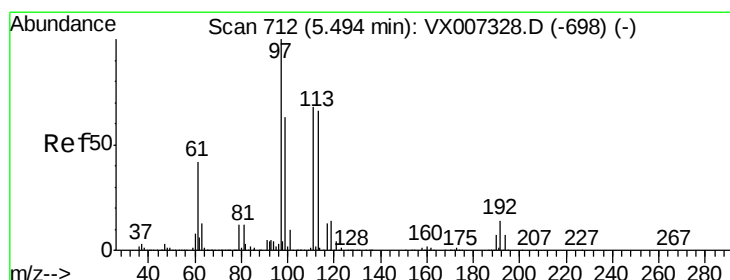
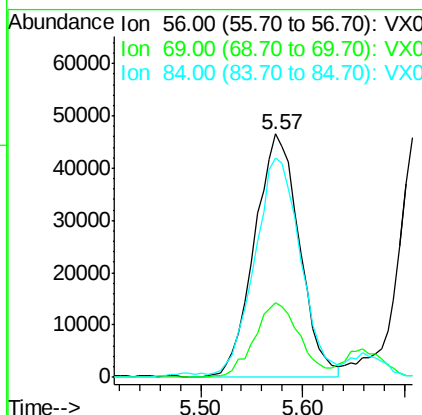
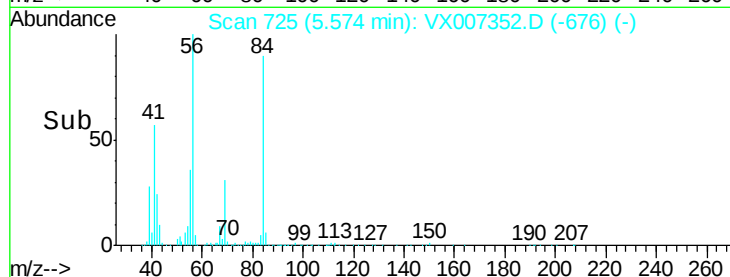
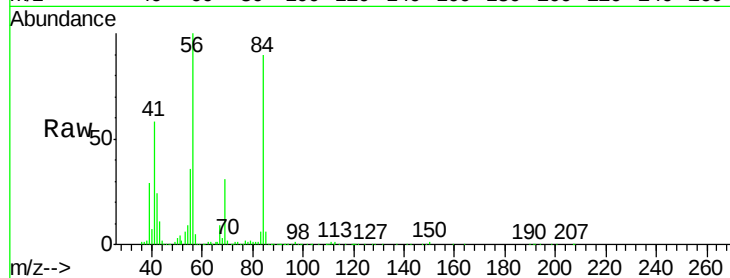
#31
Cyclohexane
Concen: 18.755 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX007352.D
Acq: 04 Feb 2019 12:03

Instrument :
MSVOA_X
ClientSampleId :
VX0204WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.7	23.0	34.6
84	88.5	69.8	104.6

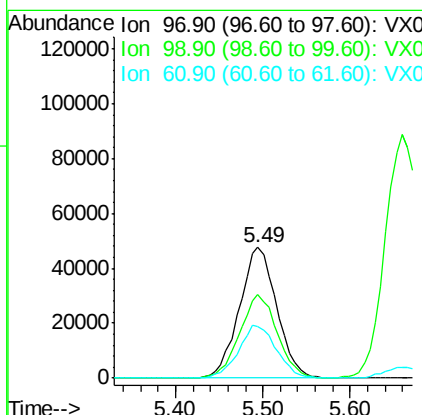
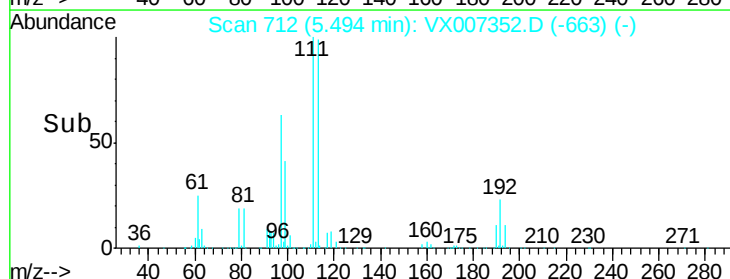
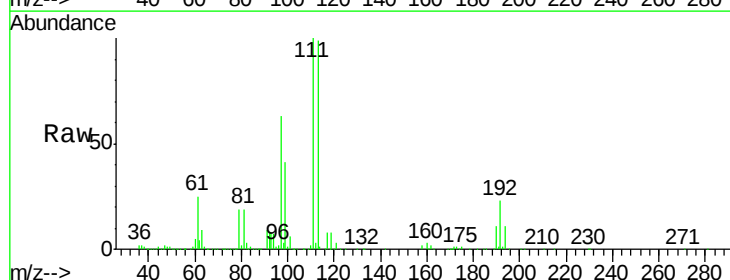
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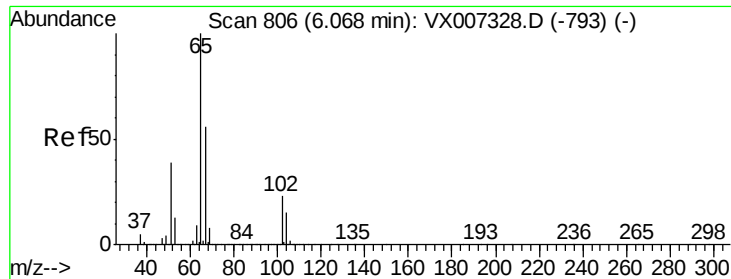
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#32
1,1,1-Trichloroethane
Concen: 19.131 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX007352.D
Acq: 04 Feb 2019 12:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.2	78.2
61	40.5	32.7	49.1





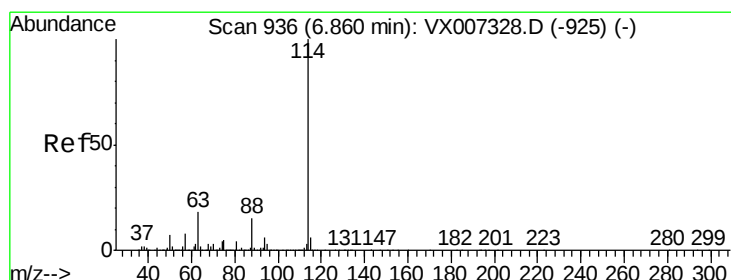
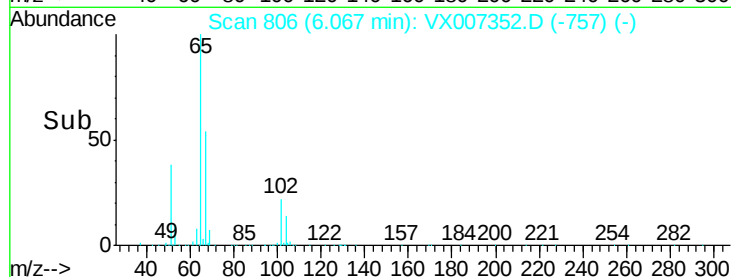
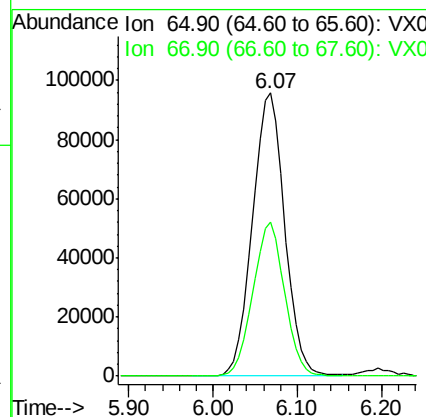
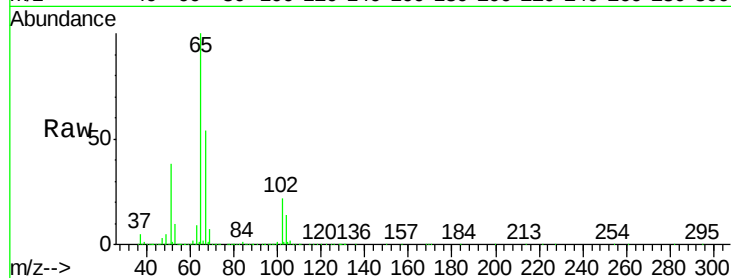
#33
 1,2-Dichloroethane-d4
 Concen: 46.271 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007352.D
 Acq: 04 Feb 2019 12:03

Instrument :
 MSVOA_X
 ClientSampled :
 VX0204WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	250429		
67	53.5	0.0	108.8	

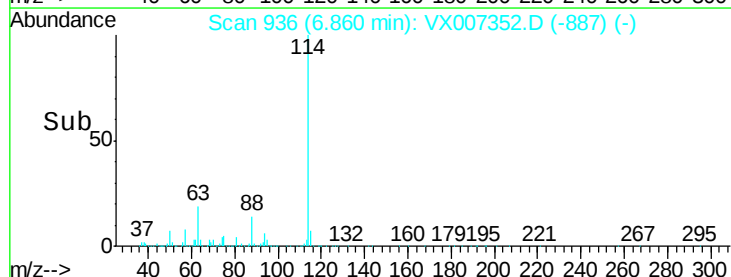
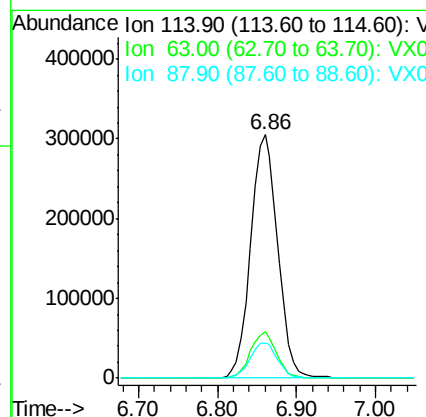
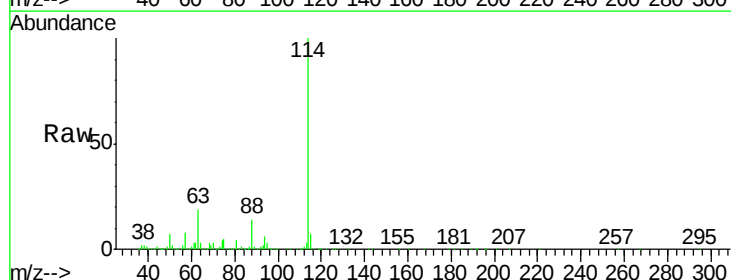
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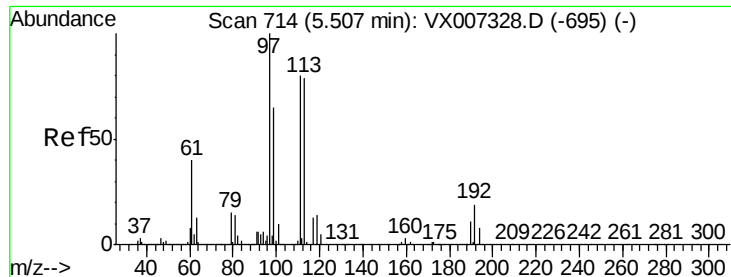
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 2/5/2019 9:52:39 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007352.D
 Acq: 04 Feb 2019 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	725750		
63	18.8	0.0	35.6	
88	14.1	0.0	29.6	





#35

Dibromofluoromethane

Concen: 47.606 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007352.D

Acq: 04 Feb 2019 12:03

Instrument :

MSVOA_X

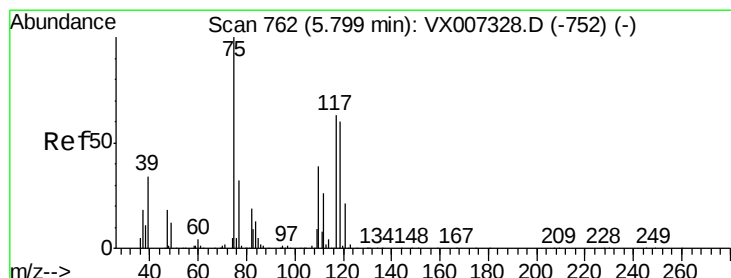
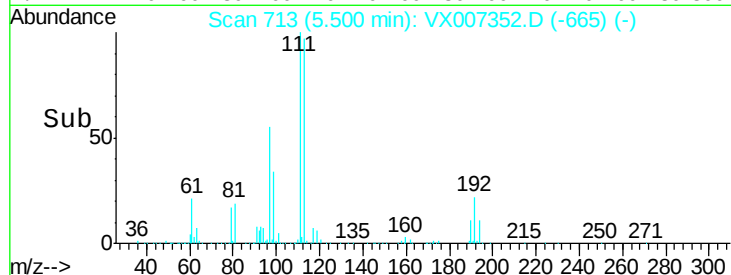
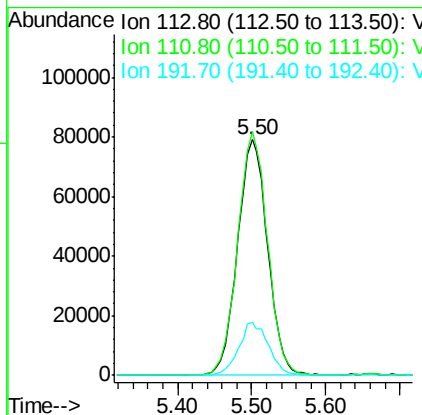
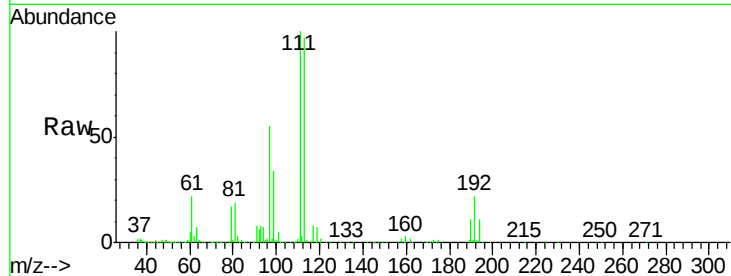
ClientSampleId :

VX0204WBS01

Tot Ion:	113	Resp:	224806
Ion Ratio	Lower	Upper	
113	100		
111	101.9	81.8	122.8
192	22.1	18.5	27.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.946 ug/l

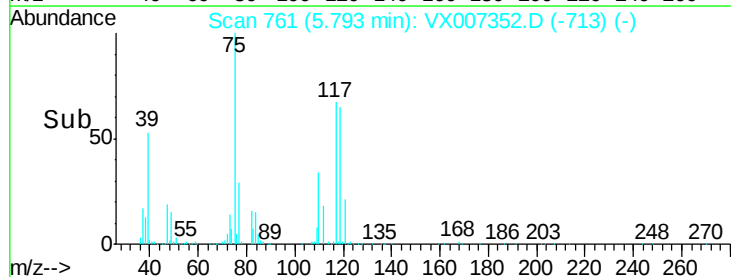
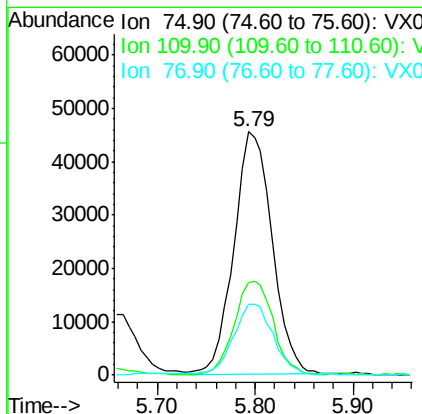
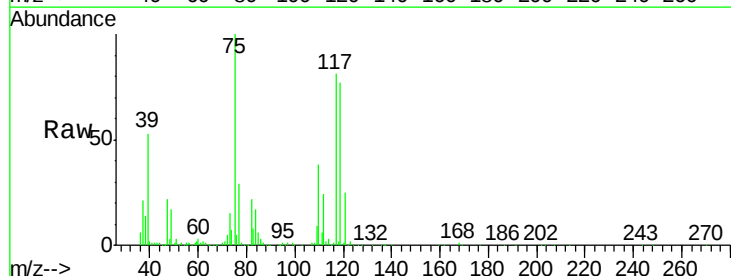
RT: 5.79 min Scan# 761

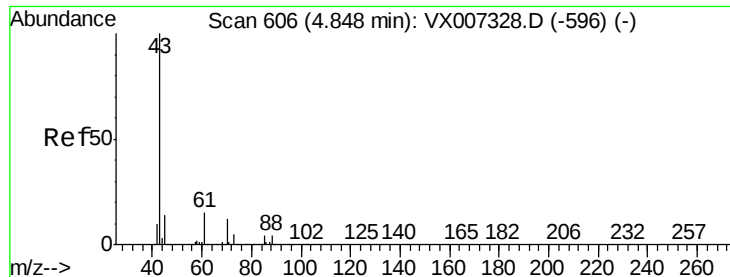
Delta R.T. -0.01 min

Lab File: VX007352.D

Acq: 04 Feb 2019 12:03

Tgt Ion:	75	Resp:	123369
Ion Ratio	Lower	Upper	
75	100		
110	39.7	20.0	59.9
77	29.9	24.7	37.1





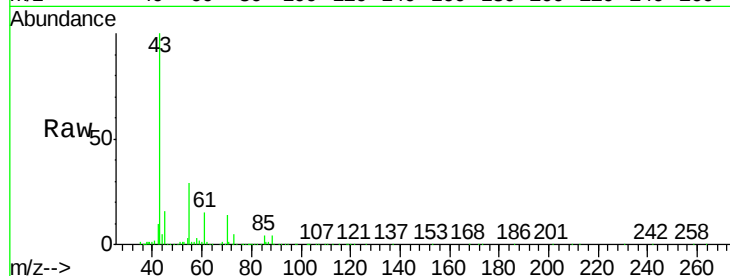
#37
Ethyl Acetate
Concen: 19.101 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX007352.D
Acq: 04 Feb 2019 12:03

Instrument :
MSVOA_X
ClientSampled :
VX0204WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	11.3	16.9
70	11.8	8.6	13.0

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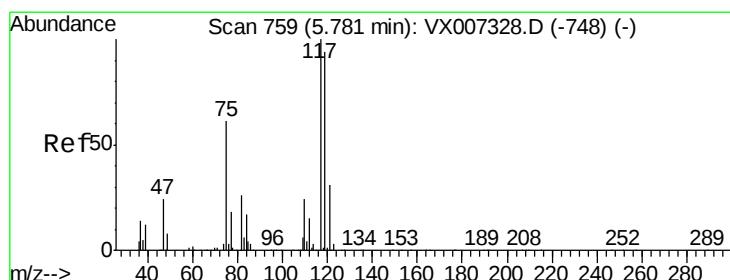
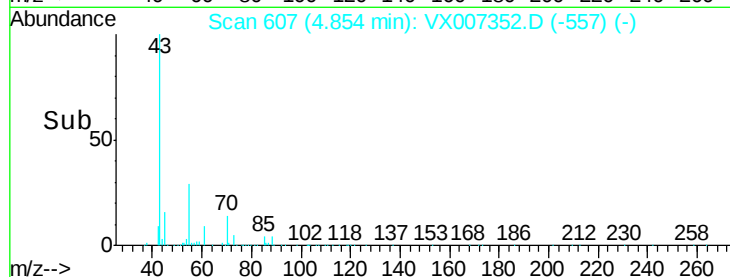
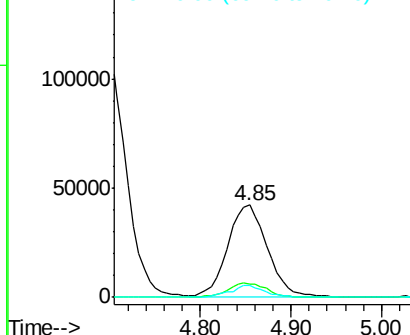


Abundance

Ion 43.00 (42.70 to 43.70): VX007352.D (-596) (-)

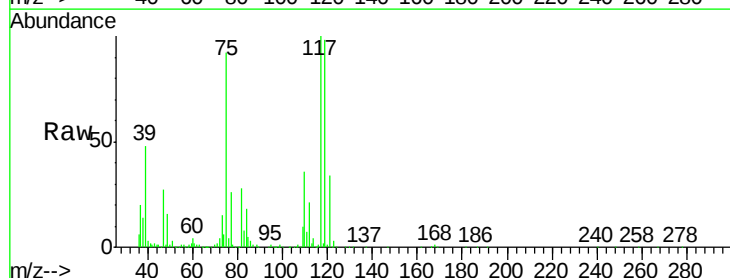
Ion 60.90 (60.60 to 61.60): VX007352.D (-596) (-)

Ion 70.00 (69.70 to 70.70): VX007352.D (-596) (-)



#38
Carbon Tetrachloride
Concen: 19.746 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX007352.D
Acq: 04 Feb 2019 12:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	75.3	112.9
121	33.6	25.0	37.4

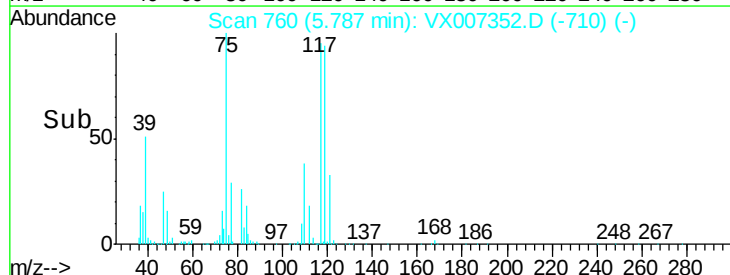
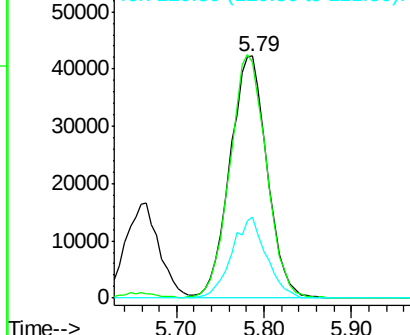


Abundance

Ion 116.80 (116.50 to 117.50): VX007352.D (-748) (-)

Ion 118.80 (118.50 to 119.50): VX007352.D (-748) (-)

Ion 120.80 (120.50 to 121.50): VX007352.D (-748) (-)





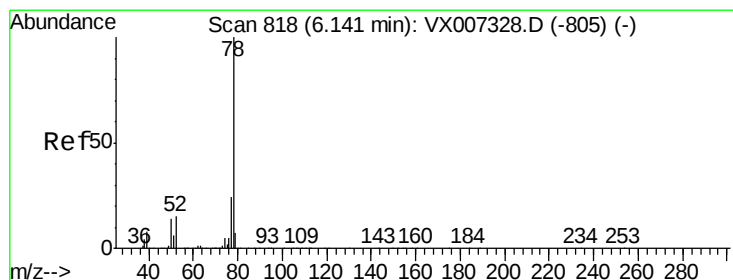
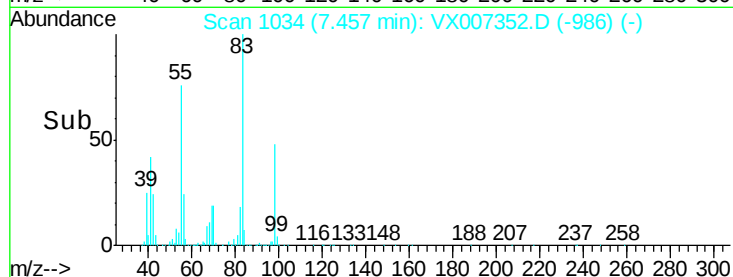
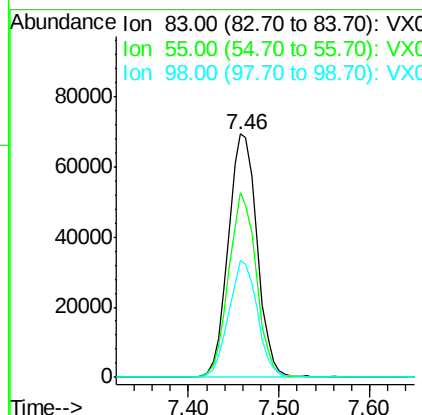
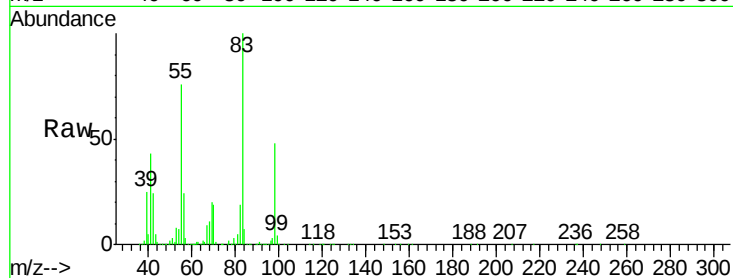
#39
Methvlcvclohexane
Concen: 19.532 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007352.D
Acq: 04 Feb 2019 12:03

Instrument :
MSVOA_X
ClientSampleId :
VX0204WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	153884		
55	75.6		56.2	84.2
98	47.9		36.8	55.2

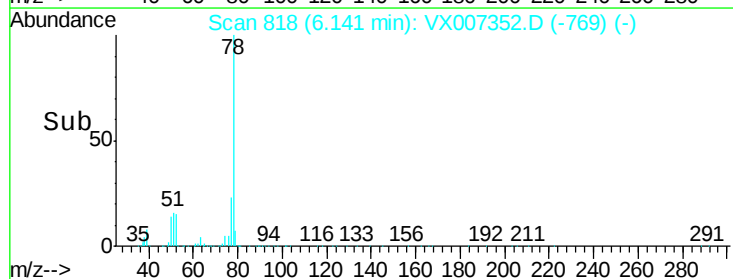
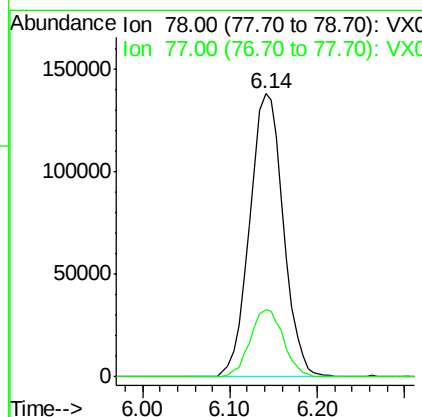
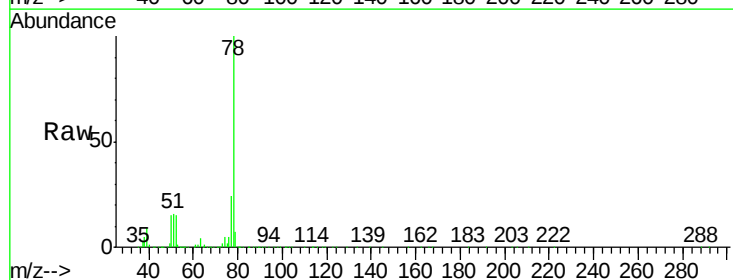
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2/5/2019 9:52:39 AM



#40
Benzene
Concen: 19.245 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX007352.D
Acq: 04 Feb 2019 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	369145		
77	23.5		19.3	28.9





#41

Methacrylonitrile

Concen: 19.962 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.00 min

Lab File: VX007352.D

Acq: 04 Feb 2019 12:03

Instrument :

MSVOA_X

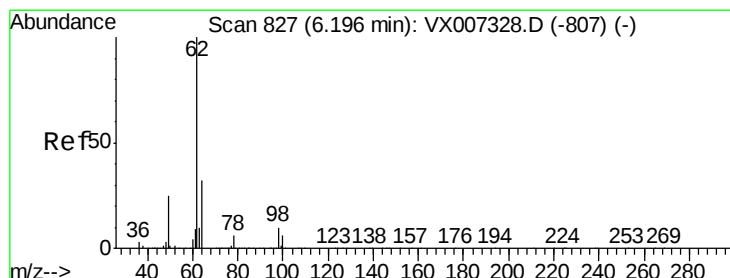
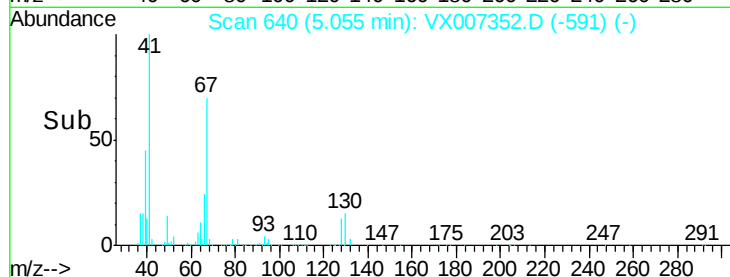
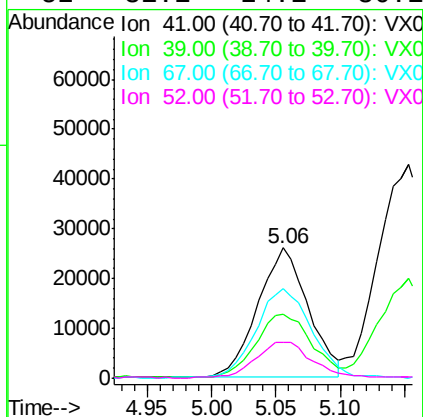
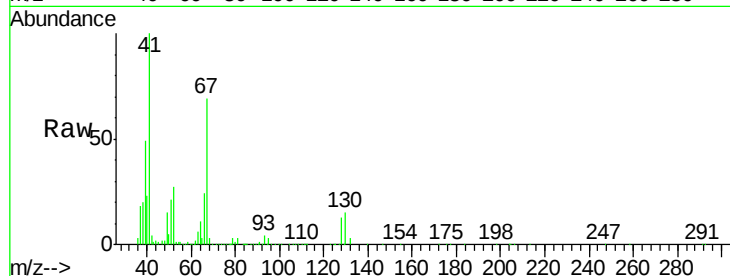
ClientSampleId :

VX0204WBS01

Tot Ion:	41	Resp:	70423
Ion	Ratio	Lower	Upper
41	100		
39	53.6	44.5	66.7
67	75.4	60.4	90.6
52	31.1	24.1	36.1

Manual Integrations
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2/5/2019 9:52:39 AM



#42

1,2-Dichloroethane

Concen: 19.054 ug/l

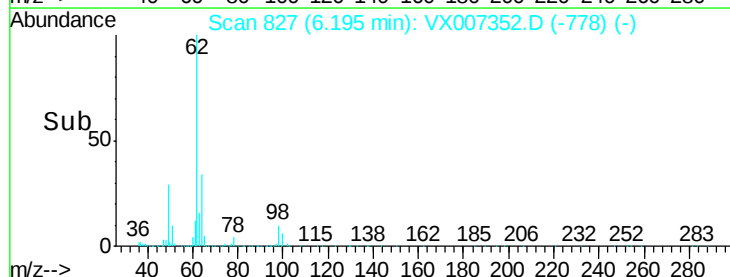
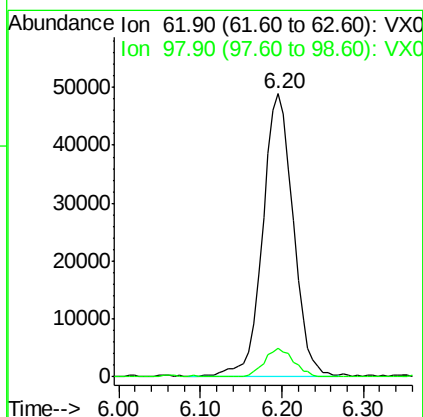
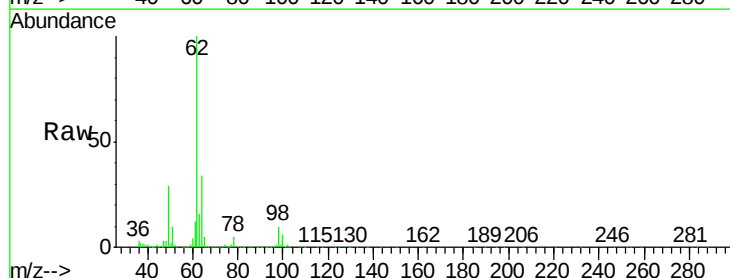
RT: 6.20 min Scan# 827

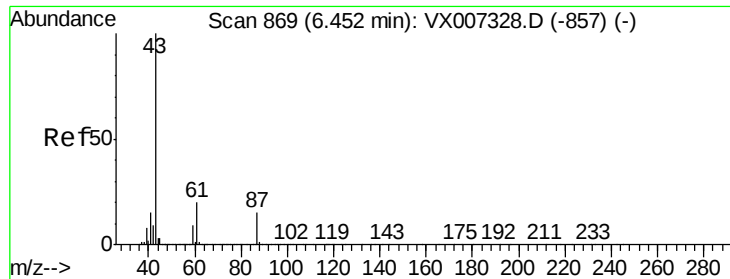
Delta R.T. -0.00 min

Lab File: VX007352.D

Acq: 04 Feb 2019 12:03

Tgt Ion:	62	Resp:	126456
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.0





#43

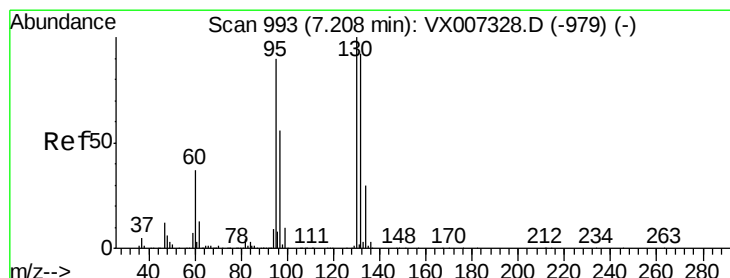
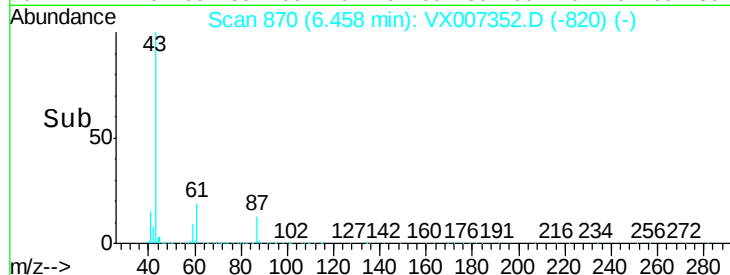
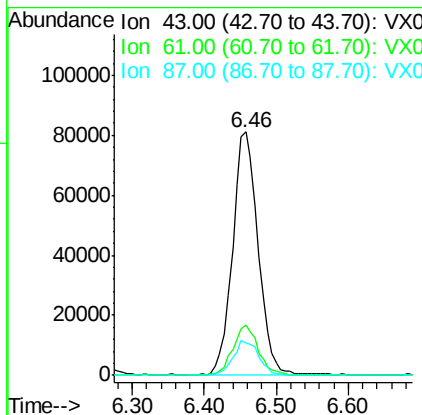
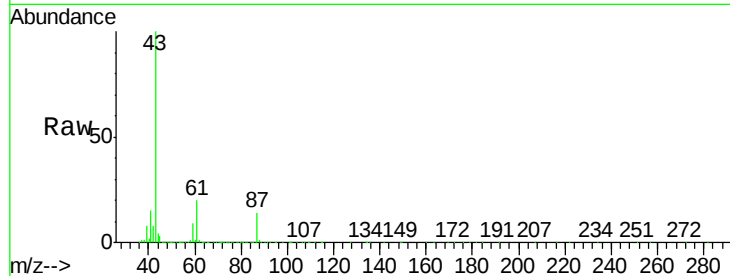
Isopropyl Acetate
 Concen: 19.497 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.01 min
 Lab File: VX007352.D
 Acq: 04 Feb 2019 12:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0204WBS01

Tot Ion	Ratio	Resp	Lower	Upper
43	100	198098		
61	20.7		16.1	24.1
87	14.5		11.5	17.3

Manual Integrations
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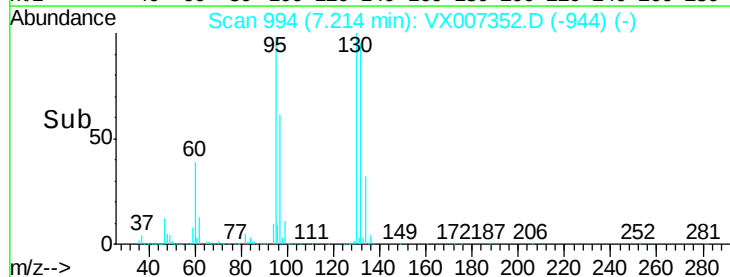
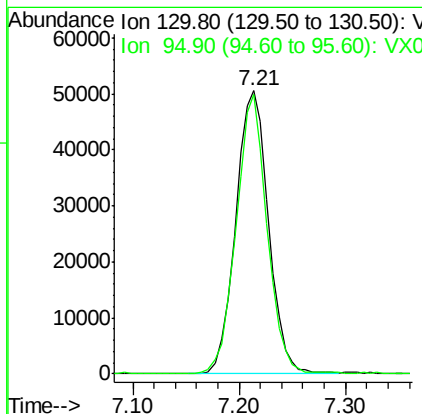
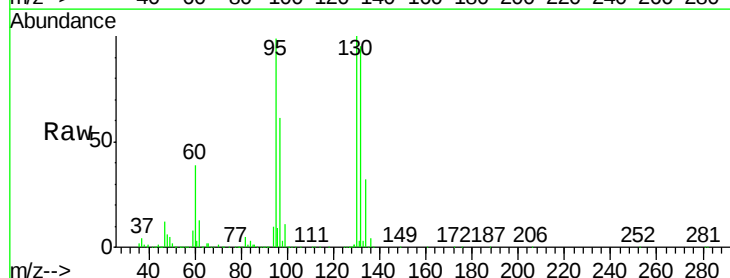
MMDadoda
 2/5/2019 9:52:39 AM

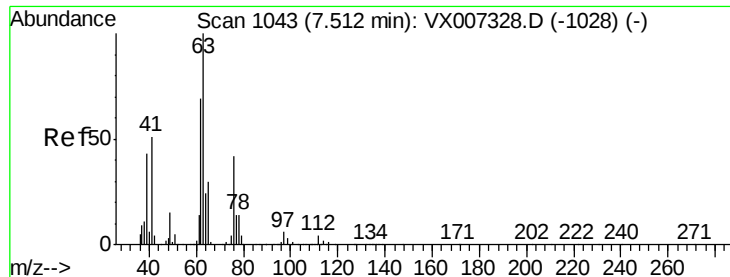


#44

Trichloroethene
 Concen: 18.875 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX007352.D
 Acq: 04 Feb 2019 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	109041		
95	98.5		0.0	180.0





#45

1,2-Dichloropropane

Concen: 19.391 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX007352.D

Acq: 04 Feb 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

VX0204WBS01

Tot Ion: 63 Resp: 93193

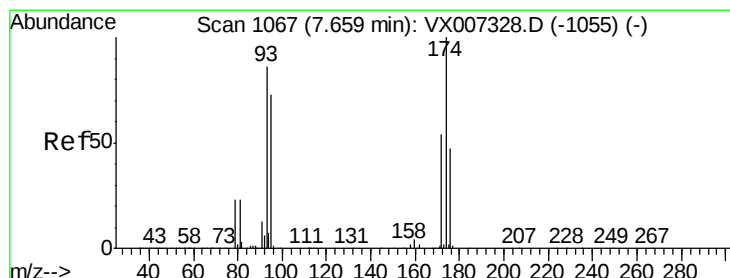
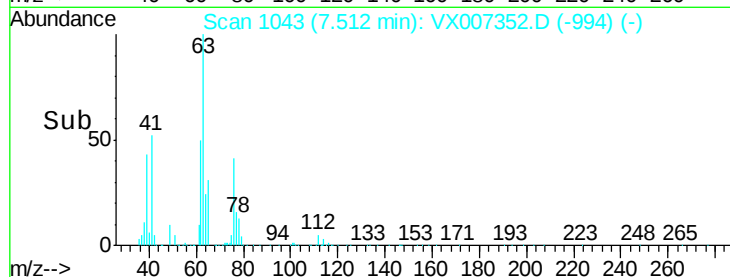
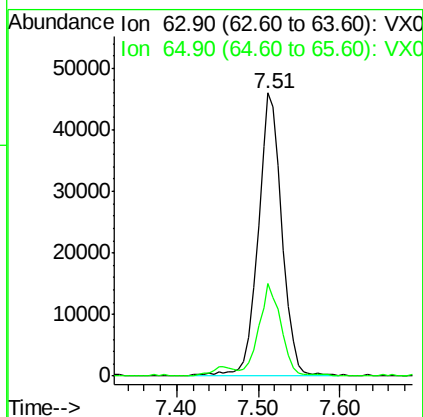
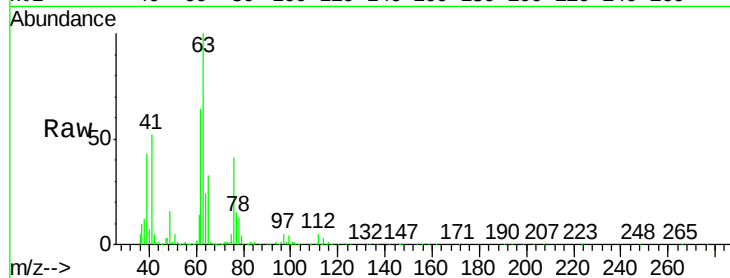
Ion Ratio Lower Upper

63 100

65 32.7 24.2 36.2

Manual Integrations
APPROVED

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2/5/2019 9:52:39 AM



#46

Dibromomethane

Concen: 18.918 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX007352.D

Acq: 04 Feb 2019 12:03

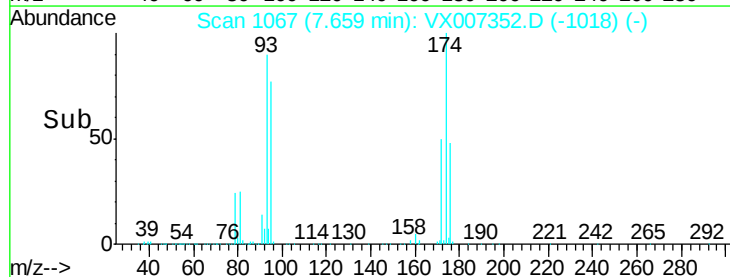
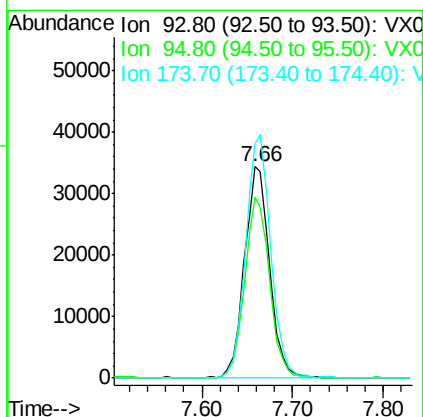
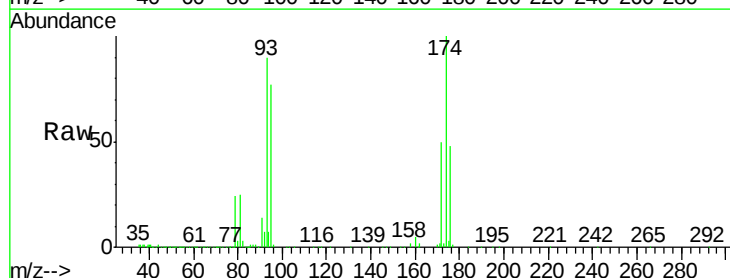
Tgt Ion: 93 Resp: 66080

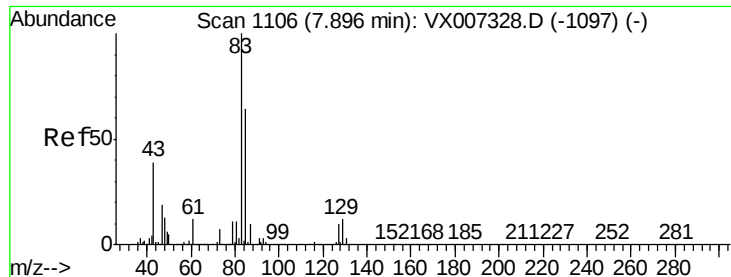
Ion Ratio Lower Upper

93 100

95 84.7 67.6 101.4

174 114.4 94.2 141.4





#47

Bromodichloromethane

Concen: 19.604 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007352.D

Acq: 04 Feb 2019 12:03

Instrument :

MSVOA_X

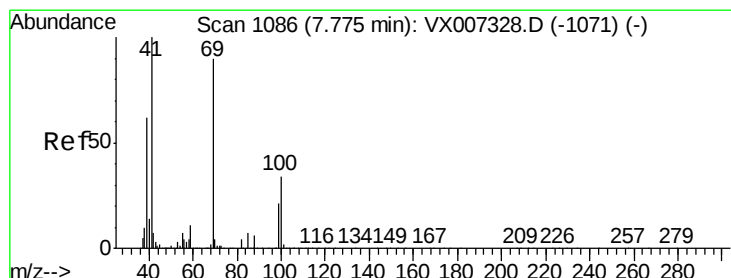
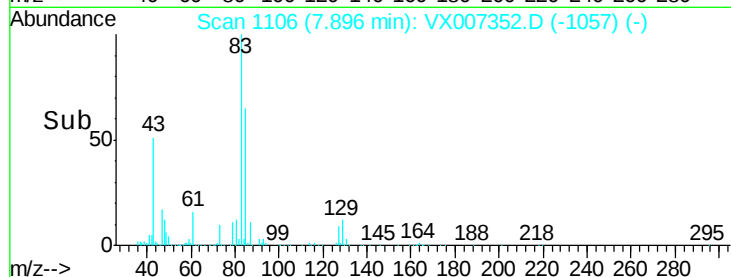
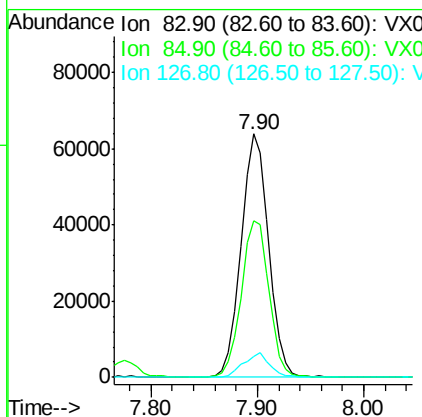
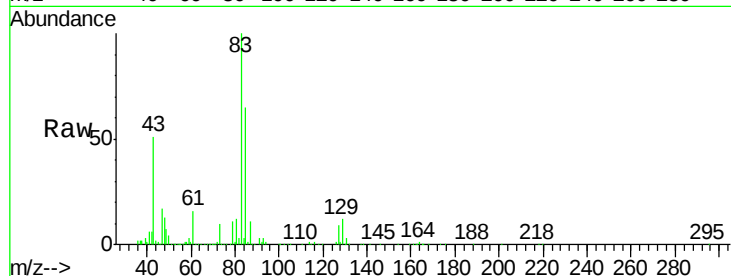
ClientSampleId :

VX0204WBS01

Tot Ion:	83	Resp:	116055
Ion Ratio	Lower	Upper	
83	100		
85	64.6	51.4	77.0
127	8.7	8.1	12.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.697 ug/l

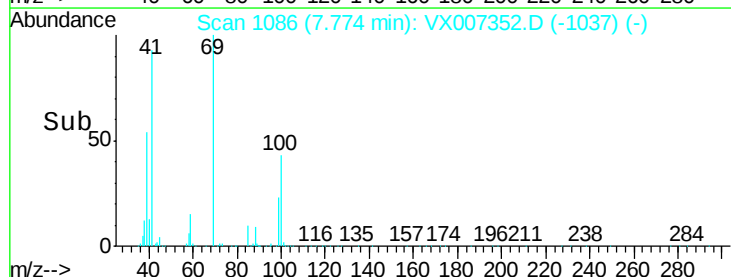
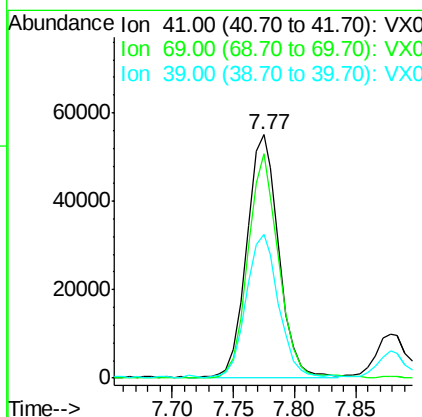
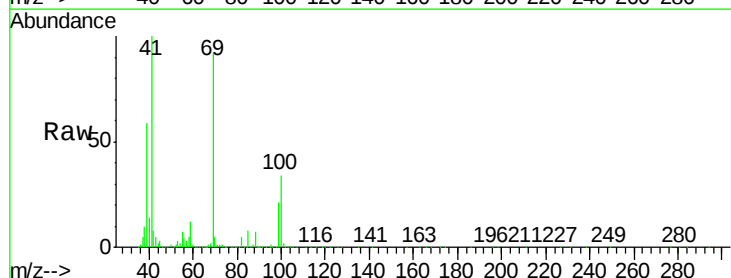
RT: 7.77 min Scan# 1086

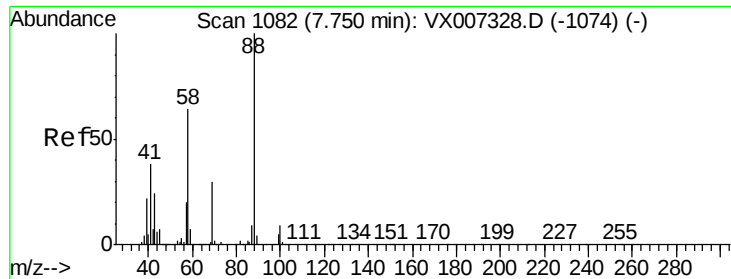
Delta R.T. -0.00 min

Lab File: VX007352.D

Acq: 04 Feb 2019 12:03

Tgt Ion:	41	Resp:	100104
Ion Ratio	Lower	Upper	
41	100		
69	88.8	70.2	105.4
39	59.3	47.4	71.0





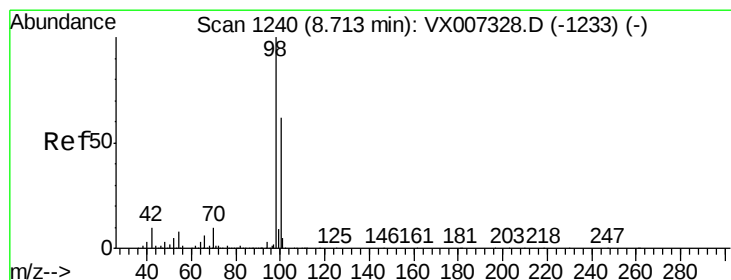
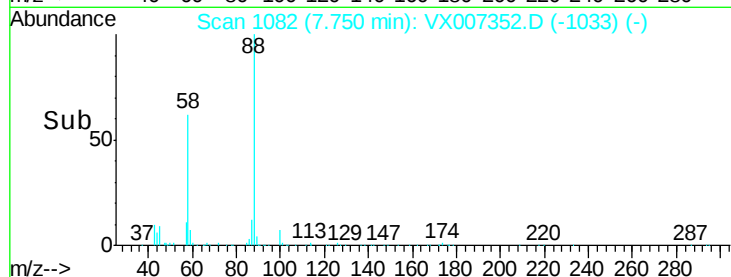
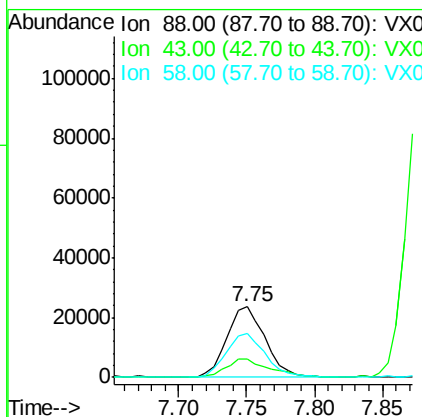
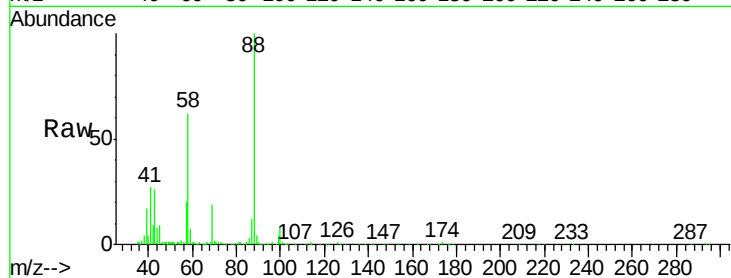
#49
1,4-Dioxane
Concen: 408.212 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007352.D
Acq: 04 Feb 2019 12:03

Instrument :
MSVOA_X
ClientSampleId :
VX0204WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.9	24.2	36.4
58	64.6	53.0	79.4

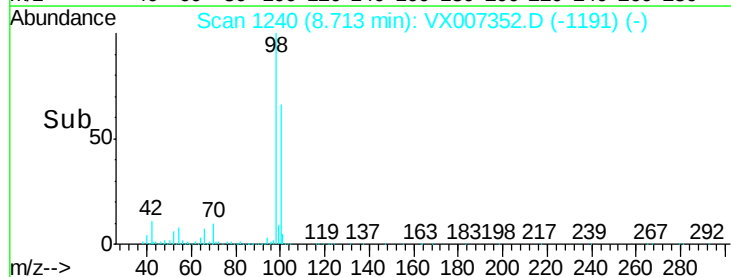
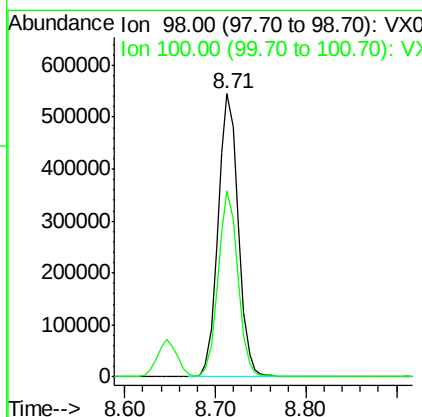
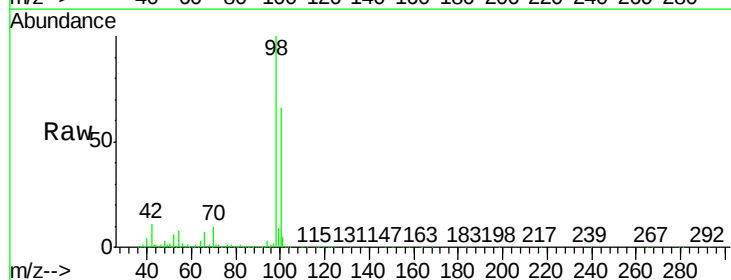
Manual Integrations
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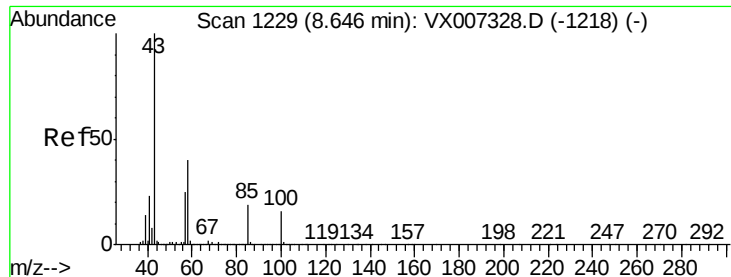
MMDadoda
2/5/2019 9:52:39 AM



#50
Toluene-d8
Concen: 48.347 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007352.D
Acq: 04 Feb 2019 12:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.6	77.4





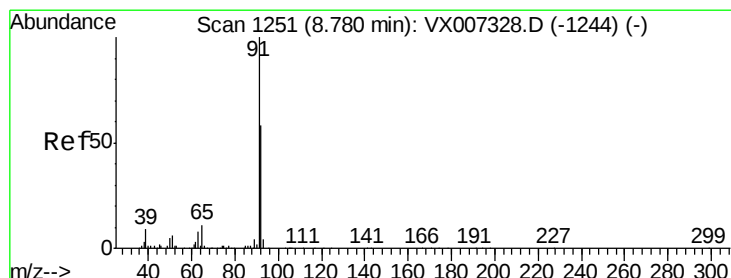
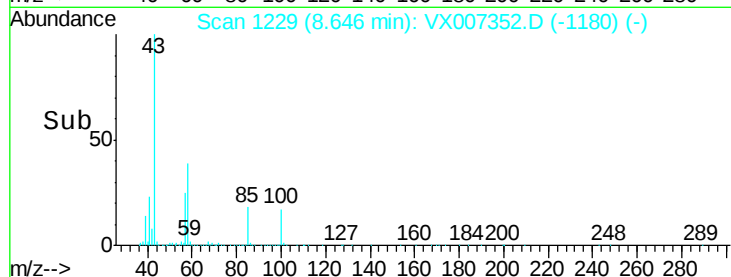
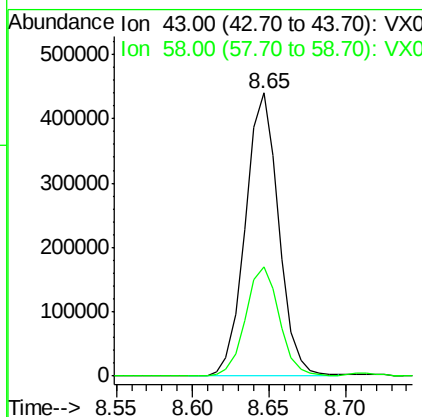
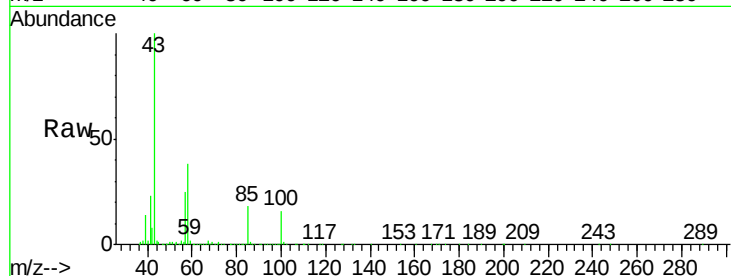
#51
4-Methyl-2-Pentanone
Concen: 99.452 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VX007352.D
Acq: 04 Feb 2019 12:03

Instrument :
MSVOA_X
ClientSampleId :
VX0204WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.1	31.2	46.8

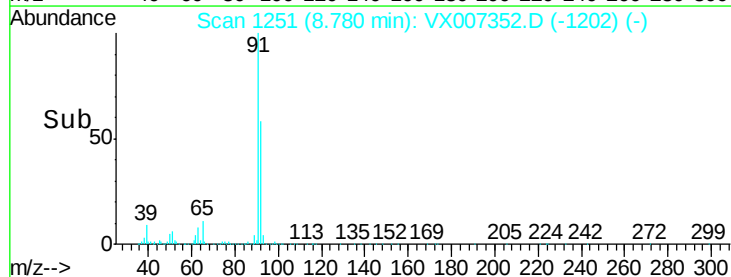
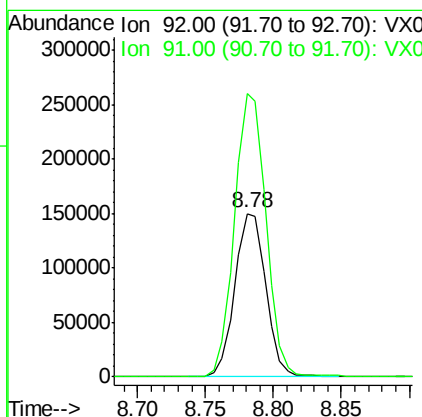
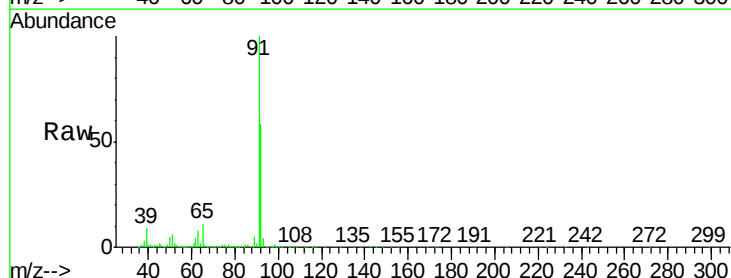
Manual Integrations
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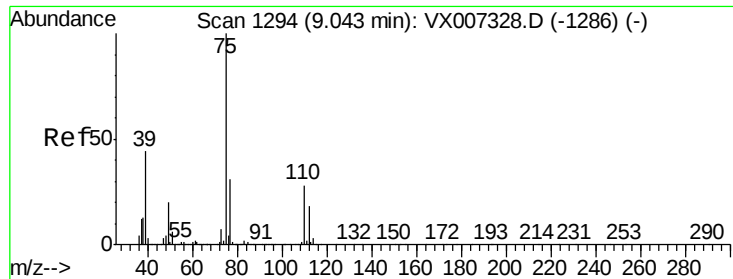
MMDadoda
2/5/2019 9:52:39 AM



#52
Toluene
Concen: 19.301 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VX007352.D
Acq: 04 Feb 2019 12:03

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.8	139.1	208.7





#53

t-1,3-Dichloropropene

Concen: 19.364 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX007352.D

Acq: 04 Feb 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

VX0204WBS01

Tot Ion: 75 Resp: 123133

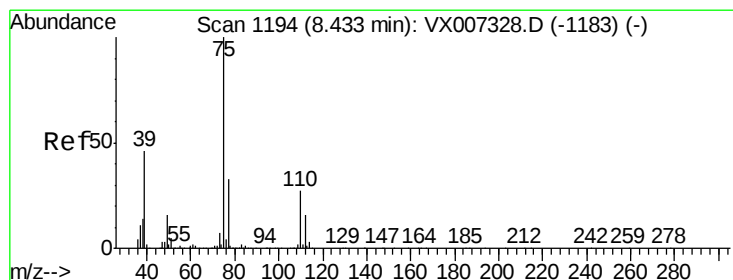
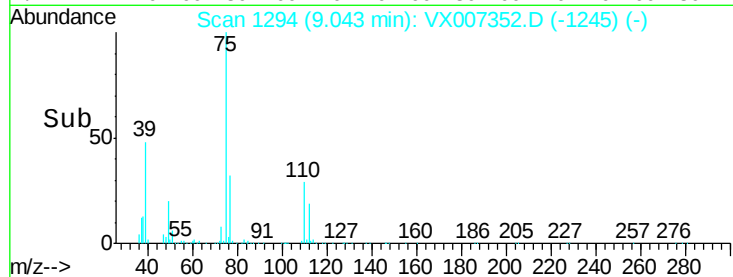
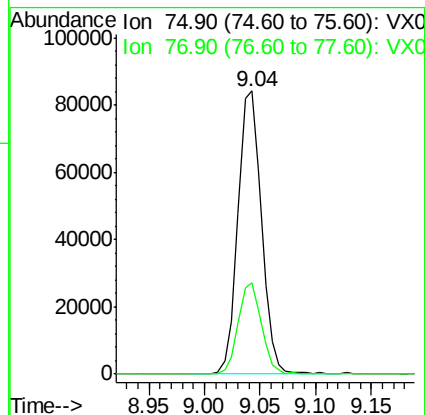
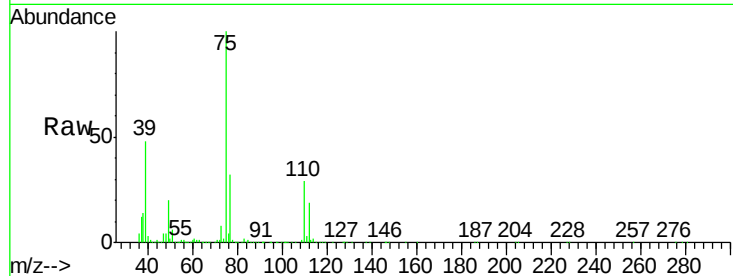
Ion Ratio Lower Upper

75 100

77 32.1 25.2 37.8

Manual Integrations
APPROVED

MMDadoda
2/5/2019 9:52:39 AM



#54

cis-1,3-Dichloropropene

Concen: 19.767 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX007352.D

Acq: 04 Feb 2019 12:03

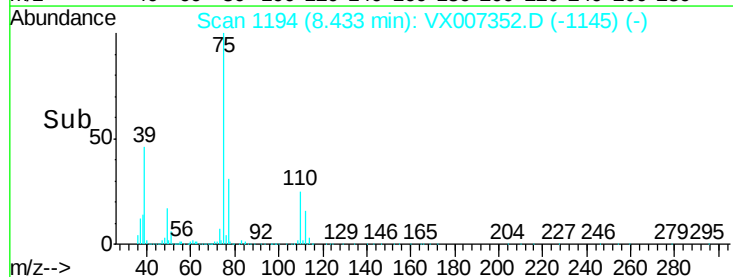
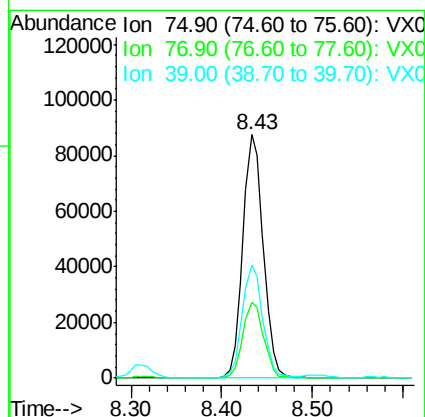
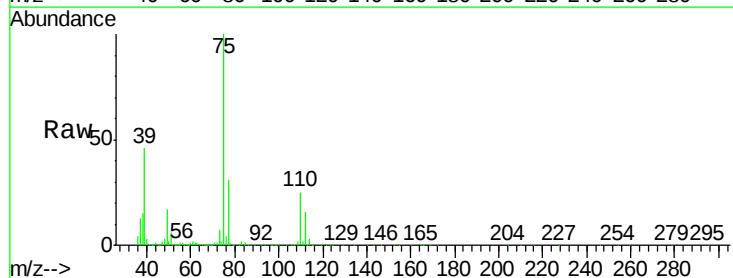
Tgt Ion: 75 Resp: 138224

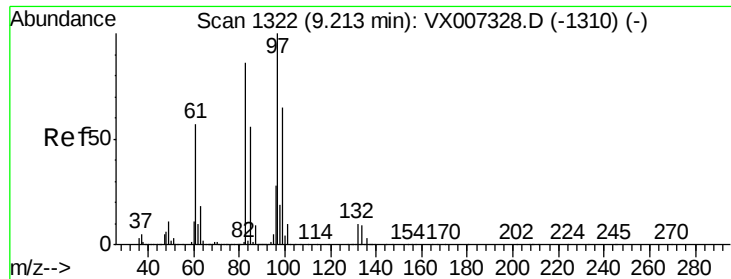
Ion Ratio Lower Upper

75 100

77 31.0 26.2 39.4

39 46.0 37.1 55.7





#55

1,1,2-Trichloroethane

Concen: 19.588 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX007352.D

Acq: 04 Feb 2019 12:03

Instrument :

MSVOA_X

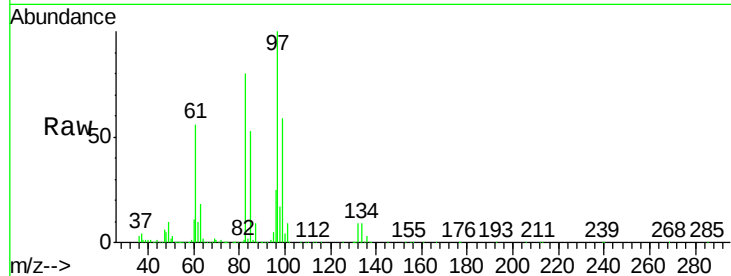
ClientSampleId :

VX0204WBS01

Tot Ion:	97	Resp:	101051
Ion Ratio		Lower	Upper
97	100		
83	80.4	68.6	102.8
85	52.6	44.5	66.7
99	58.8	52.2	78.4

Manual Integrations
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2/5/2019 9:52:39 AM

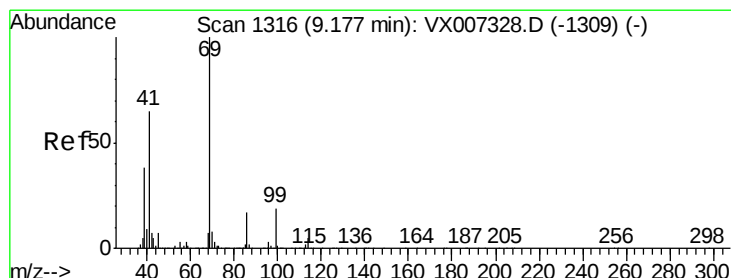
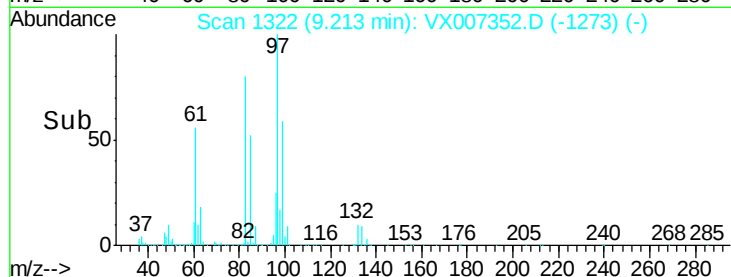
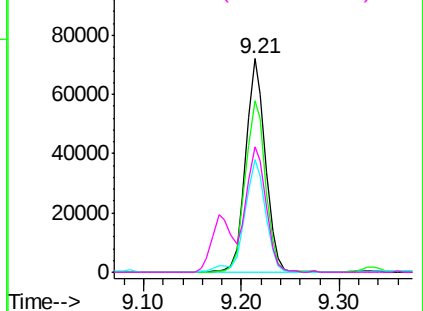


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 19.330 ug/l

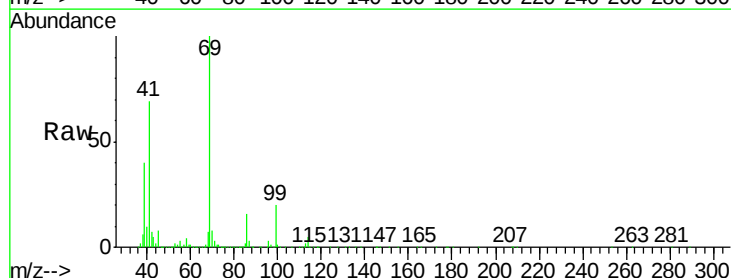
RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX007352.D

Acq: 04 Feb 2019 12:03

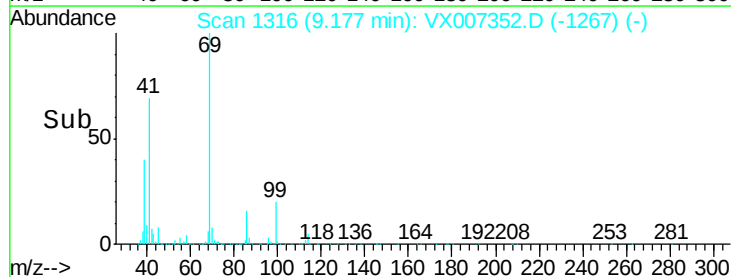
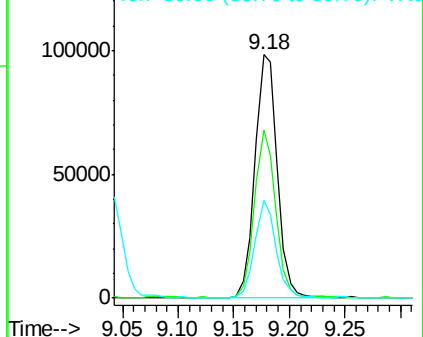
Tgt Ion:	69	Resp:	138109
Ion Ratio		Lower	Upper
69	100		
41	65.3	52.1	78.1
39	37.7	30.1	45.1



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 19.255 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX007352.D

Acq: 04 Feb 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

VX0204WBS01

Tot Ion: 76 Resp: 157966

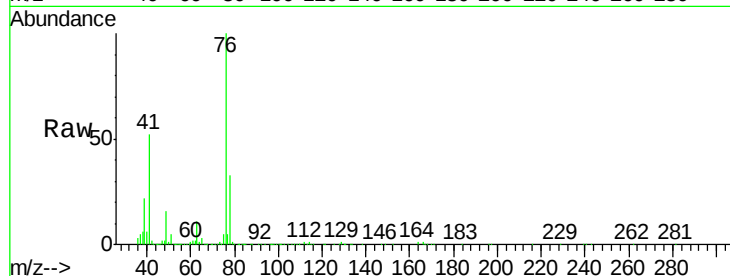
Ion Ratio Lower Upper

76 100

78 32.6 25.8 38.8

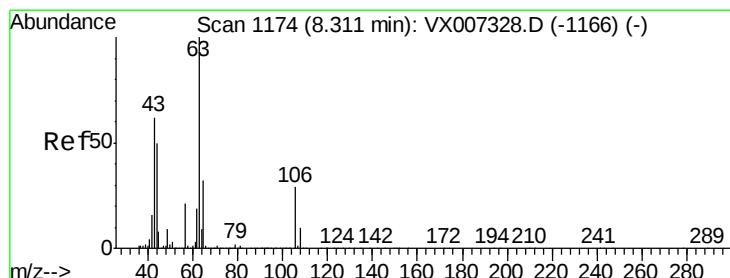
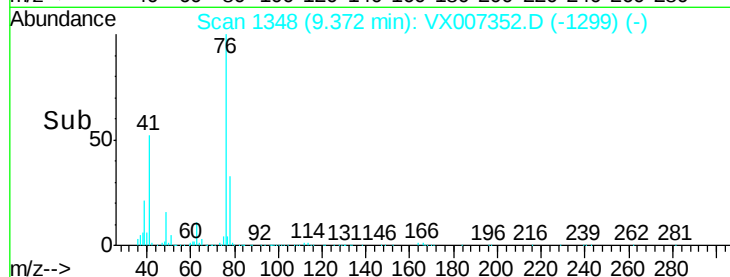
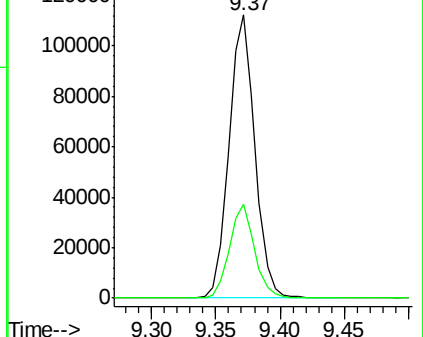
Manual Integrations
APPROVED

MMDadoda
2/5/2019 9:52:39 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: 97.488 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX007352.D

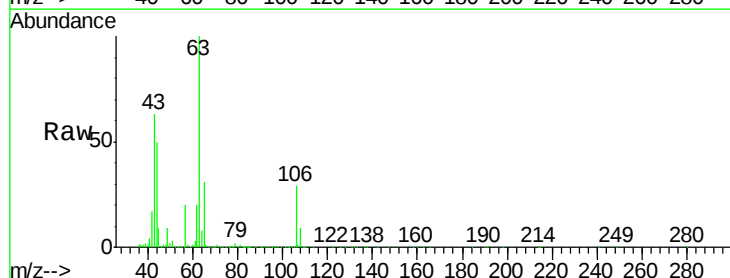
Acq: 04 Feb 2019 12:03

Tgt Ion: 63 Resp: 367136

Ion Ratio Lower Upper

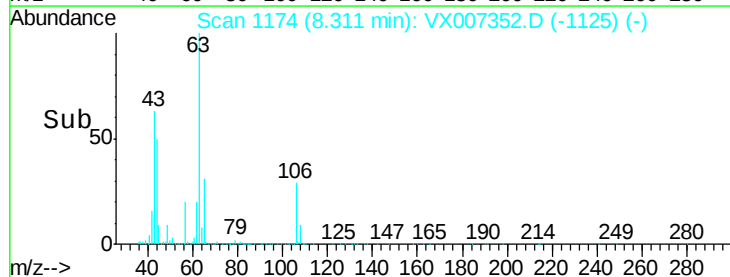
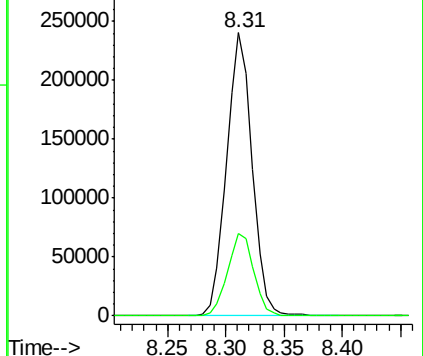
63 100

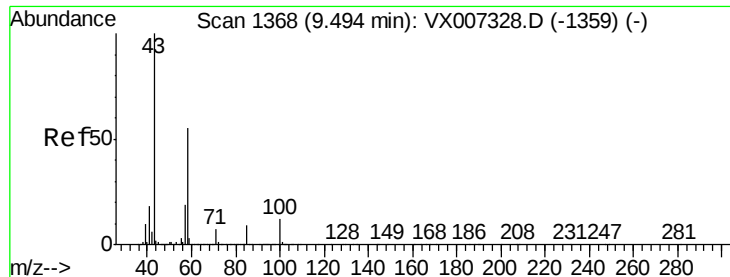
106 30.1 23.6 35.4



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





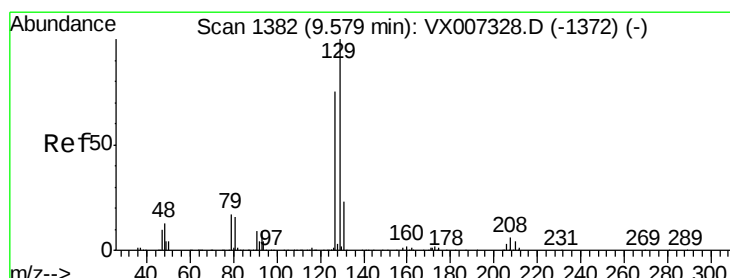
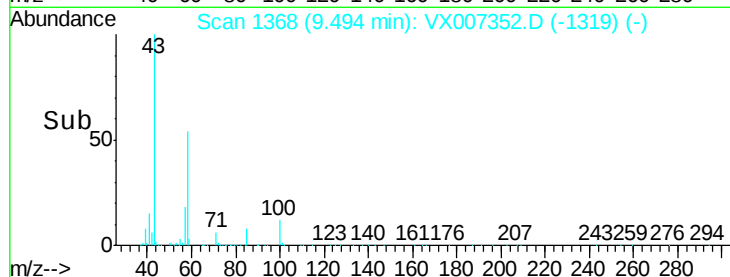
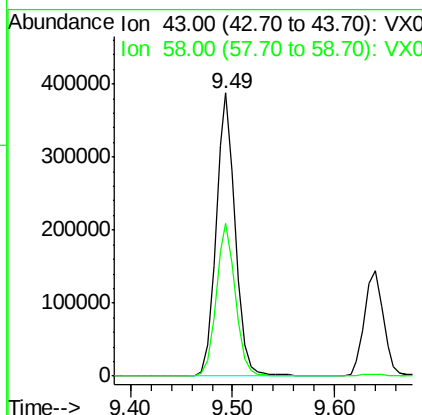
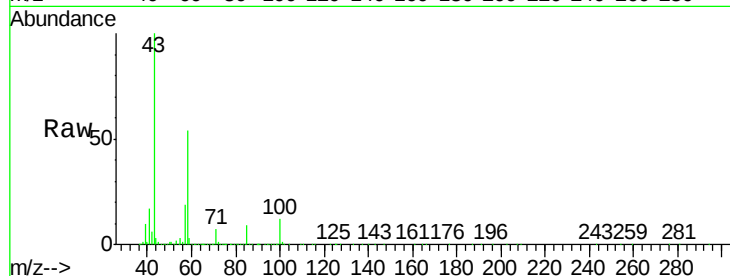
#59
2-Hexanone
Concen: 97.911 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007352.D
Acq: 04 Feb 2019 12:03

Instrument :
MSVOA_X
ClientSampleId :
VX0204WBS01

Tot Ion: 43 Resp: 509606
Ion Ratio Lower Upper
43 100
58 54.4 27.1 81.3

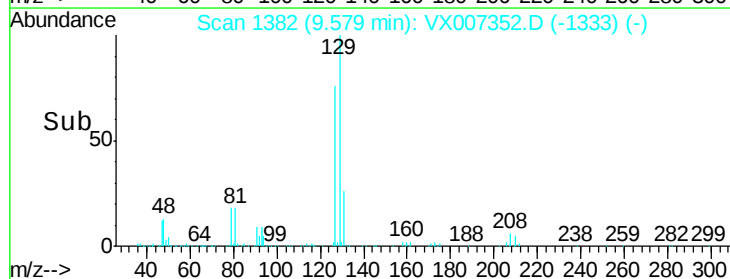
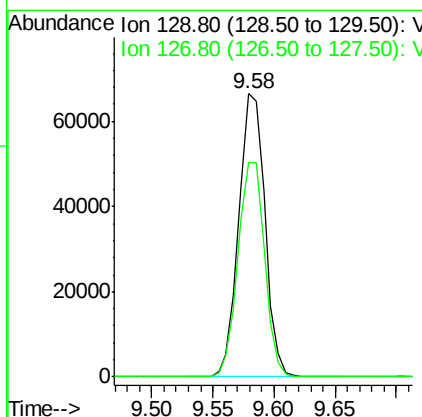
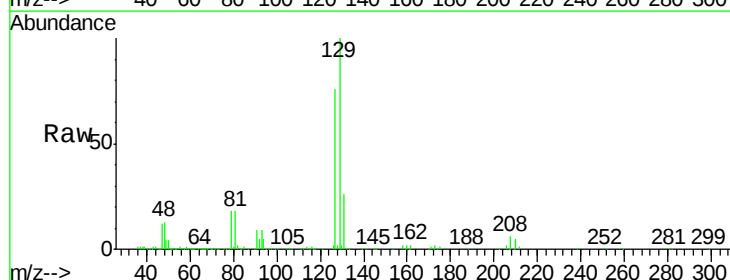
Manual Integrations
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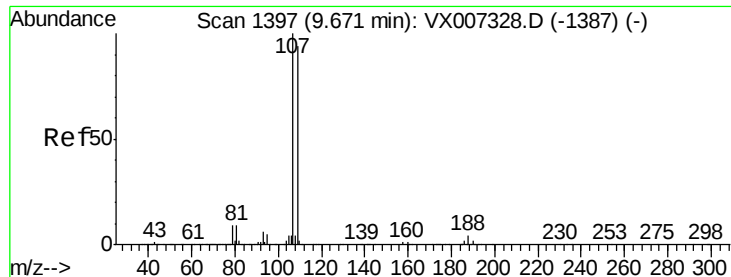
MMDadoda
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#60
Dibromochloromethane
Concen: 20.251 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX007352.D
Acq: 04 Feb 2019 12:03

Tgt Ion: 129 Resp: 98802
Ion Ratio Lower Upper
129 100
127 77.0 37.8 113.4





#61

1,2-Dibromoethane

Concen: 19.548 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007352.D

Acq: 04 Feb 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

VX0204WBS01

Tot Ion: 107 Resp: 106796

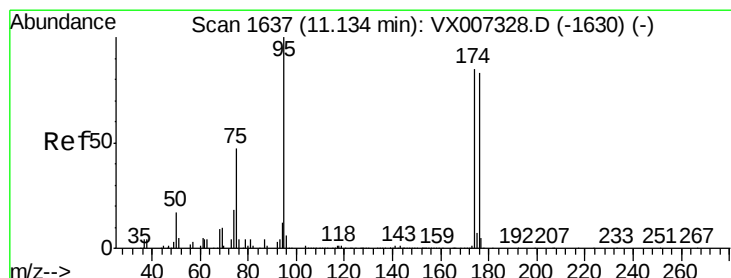
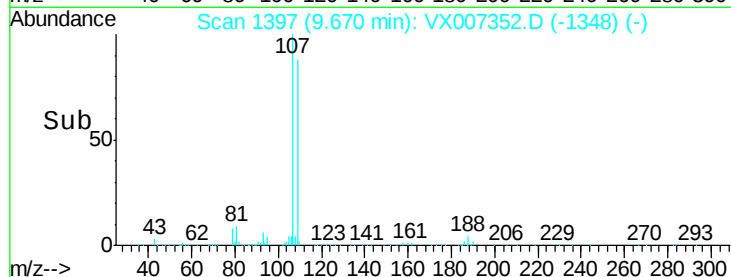
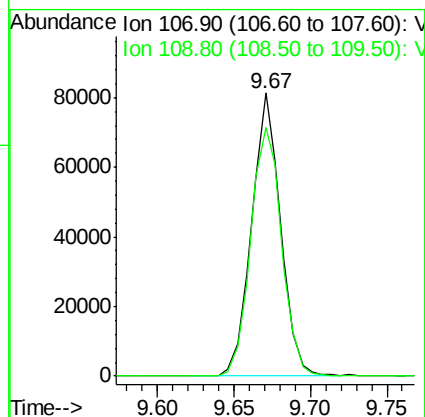
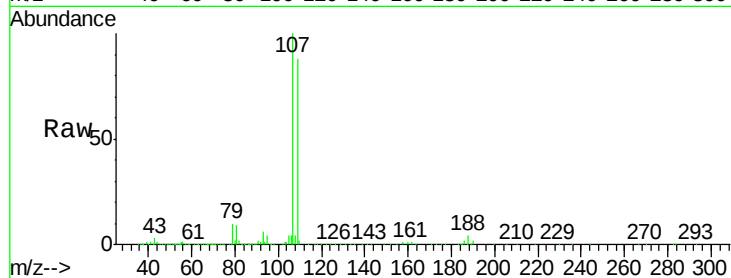
Ion Ratio Lower Upper

107 100

109 94.0 75.1 112.7

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#62

4-Bromofluorobenzene

Concen: 48.691 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007352.D

Acq: 04 Feb 2019 12:03

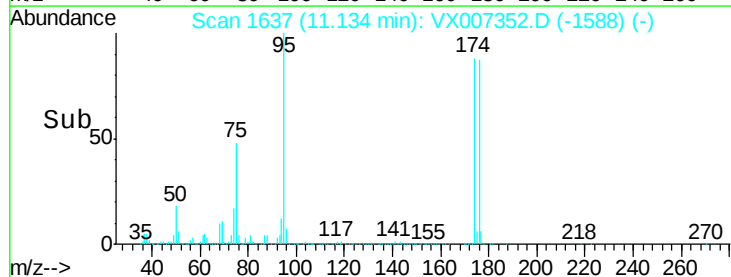
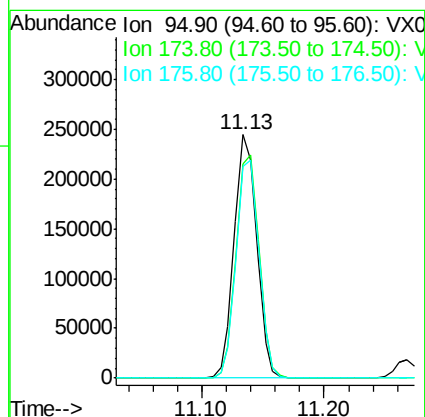
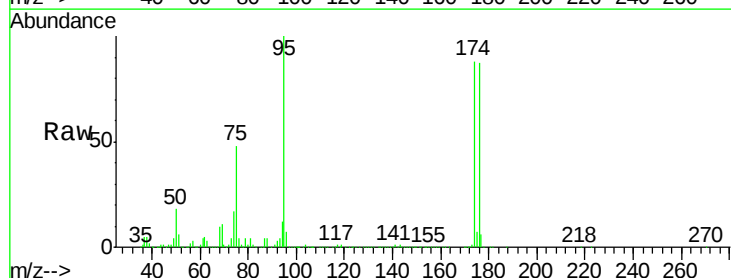
Tgt Ion: 95 Resp: 311455

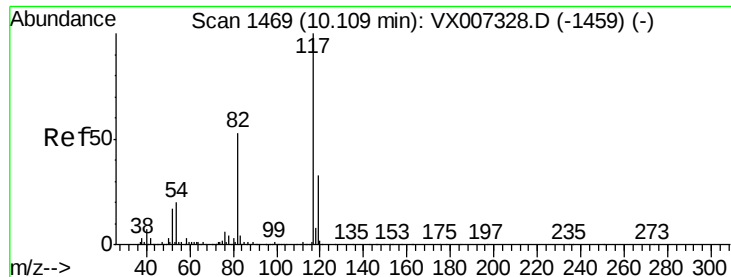
Ion Ratio Lower Upper

95 100

174 93.6 0.0 189.2

176 91.3 0.0 186.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX007352.D

Acq: 04 Feb 2019 12:03

Instrument :

MSVOA_X

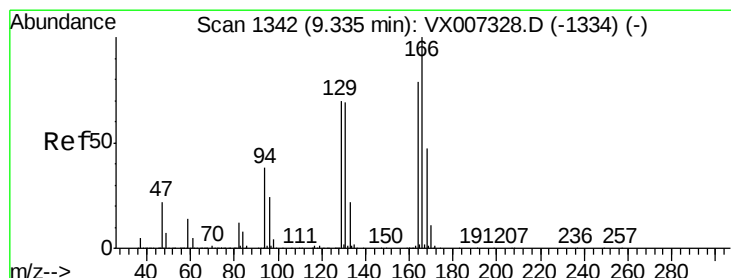
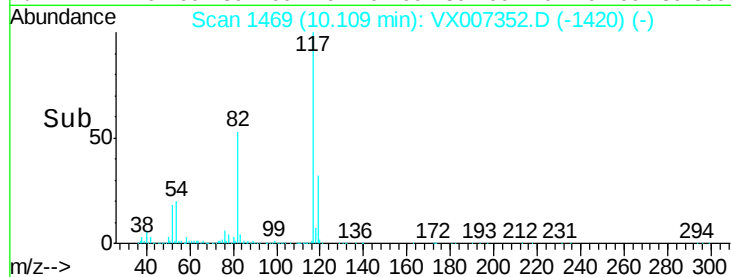
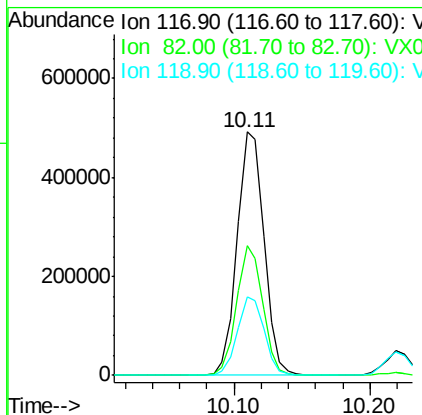
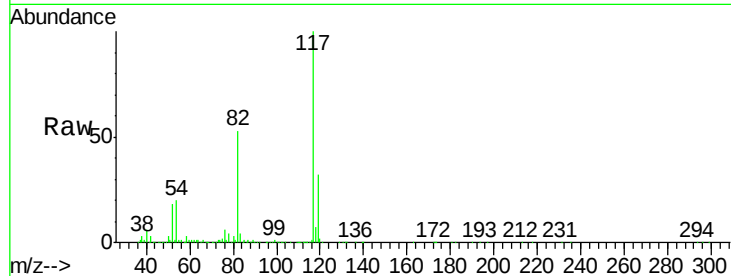
ClientSampleId :

VX0204WBS01

Tot Ion:	117	Resp:	679628
Ion Ratio	Lower	Upper	
117	100		
82	53.4	42.1	63.1
119	32.0	26.5	39.7

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#64

Tetrachloroethene

Concen: 18.818 ug/l

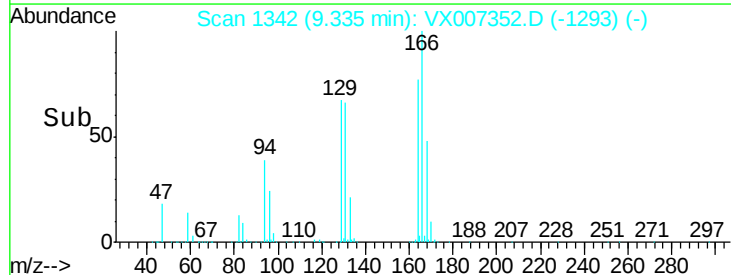
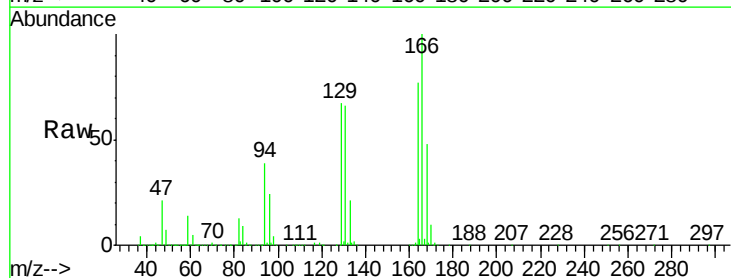
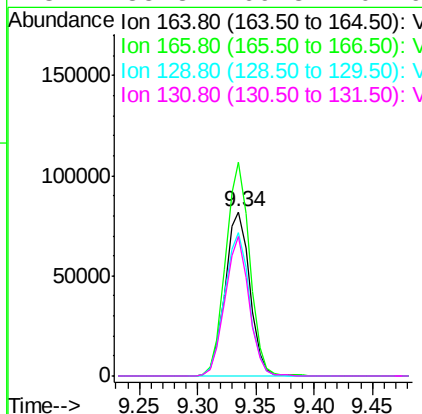
RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX007352.D

Acq: 04 Feb 2019 12:03

Tgt Ion:	164	Resp:	120540
Ion Ratio	Lower	Upper	
164	100		
166	130.0	101.0	151.4
129	87.3	70.5	105.7
131	85.3	69.8	104.6





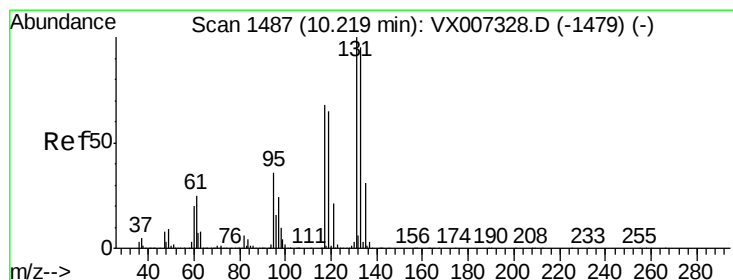
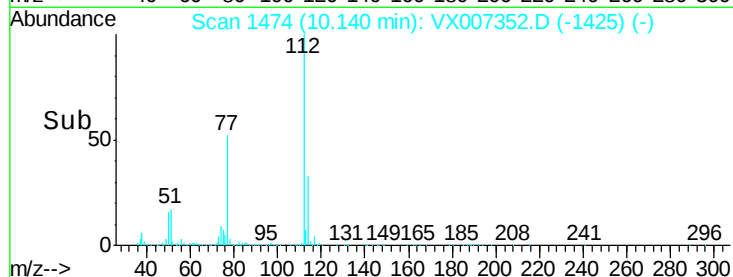
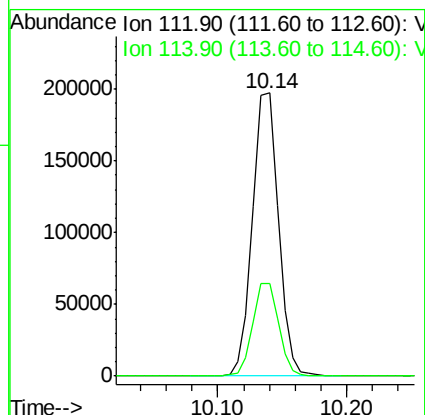
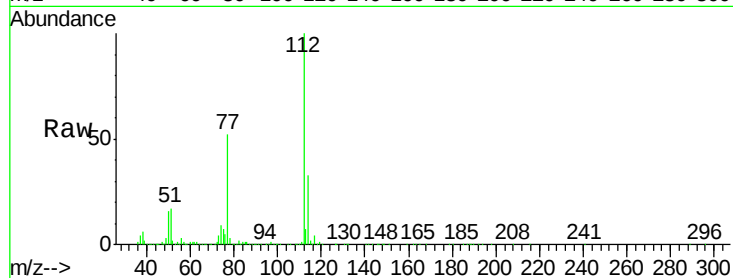
#65
Chlorobenzene
Concen: 18.544 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX007352.D
Acq: 04 Feb 2019 12:03

Instrument :
MSVOA_X
ClientSampleId :
VX0204WBS01

Tot Ion:112 Resp: 275020
Ion Ratio Lower Upper
112 100
114 33.0 25.8 38.6

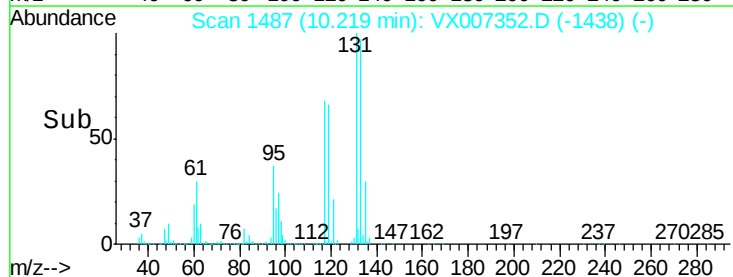
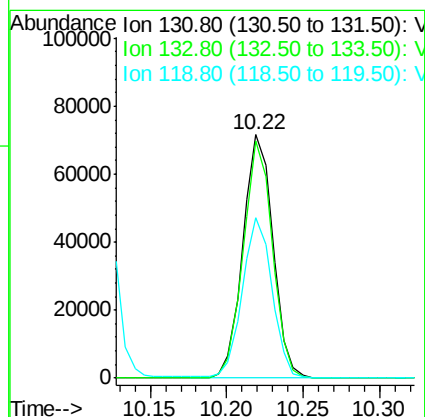
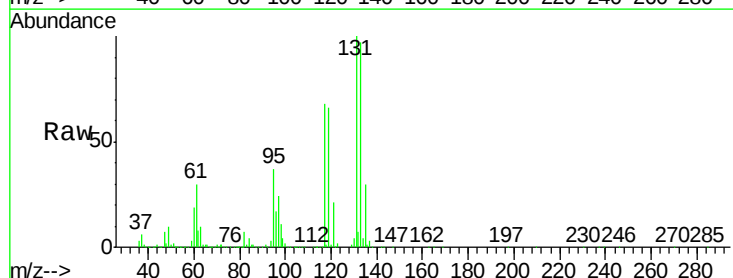
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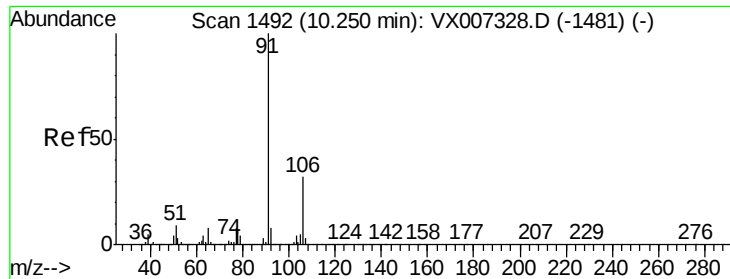
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.685 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX007352.D
Acq: 04 Feb 2019 12:03

Tgt Ion:131 Resp: 97882
Ion Ratio Lower Upper
131 100
133 94.1 48.0 144.2
119 65.2 32.0 96.0





#67

Ethyl Benzene

Concen: 19.266 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007352.D

Acq: 04 Feb 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

VX0204WBS01

Tot Ion: 91 Resp: 460124

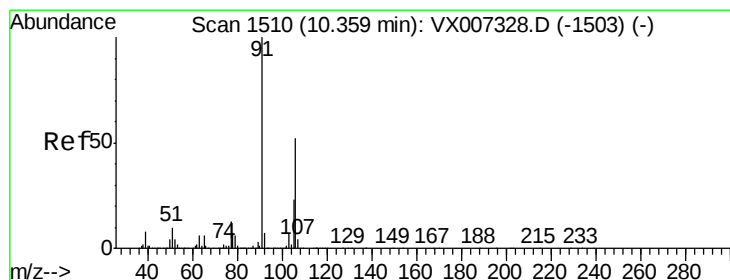
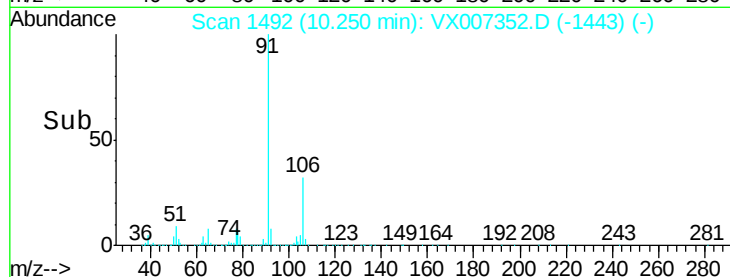
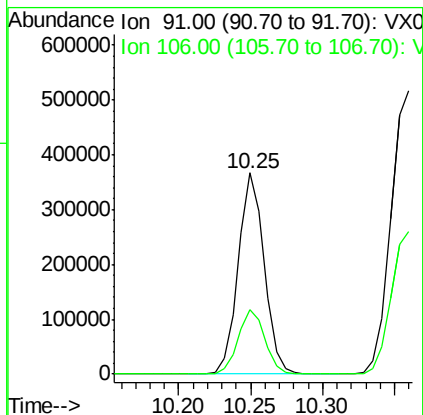
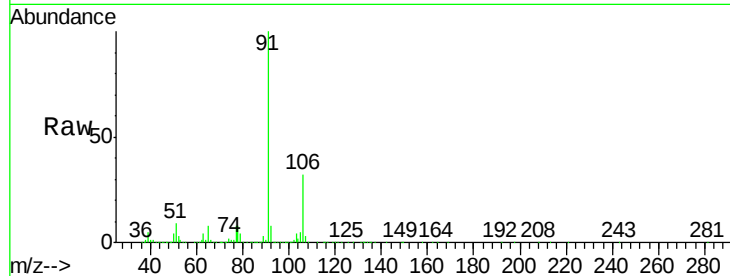
Ion Ratio Lower Upper

91 100

106 31.9 25.4 38.0

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#68

m/p-Xylenes

Concen: 37.969 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007352.D

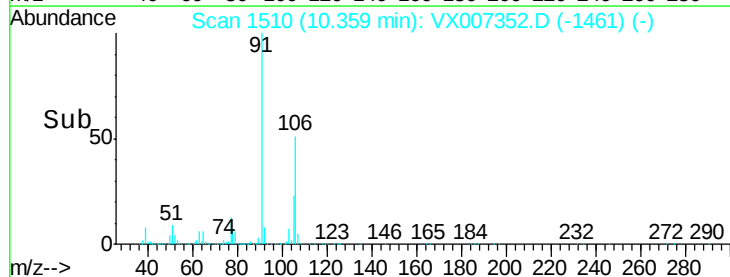
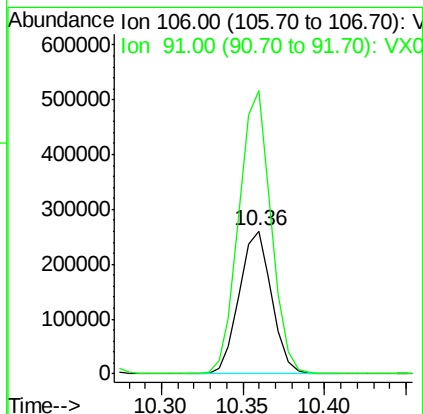
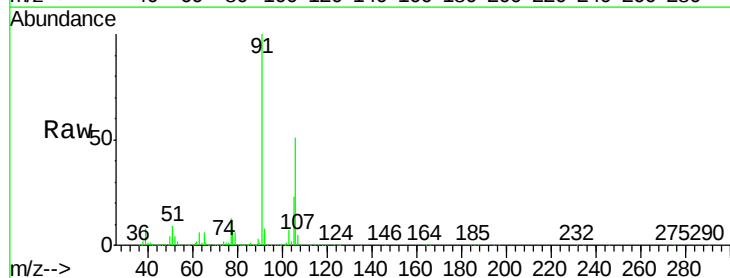
Acq: 04 Feb 2019 12:03

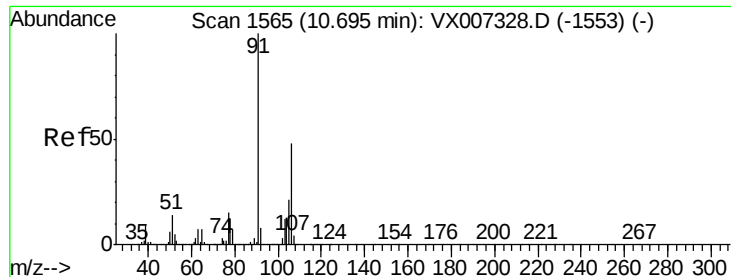
Tgt Ion: 106 Resp: 360471

Ion Ratio Lower Upper

106 100

91 197.3 156.6 234.8





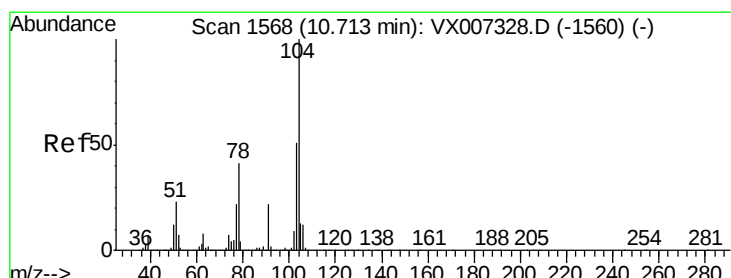
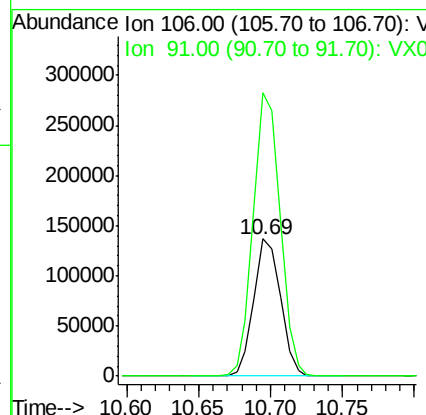
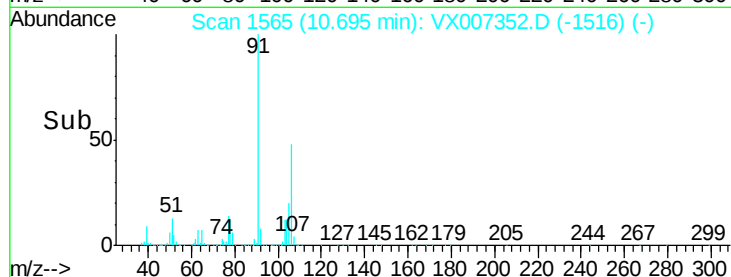
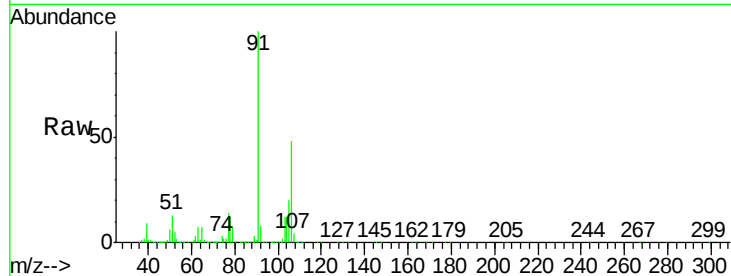
#69
o-Xylene
Concen: 19.323 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX007352.D
Acq: 04 Feb 2019 12:03

Instrument :
MSVOA_X
ClientSampleId :
VX0204WBS01

Tot Ion:106 Resp: 176525
Ion Ratio Lower Upper
106 100
91 207.1 102.9 308.7

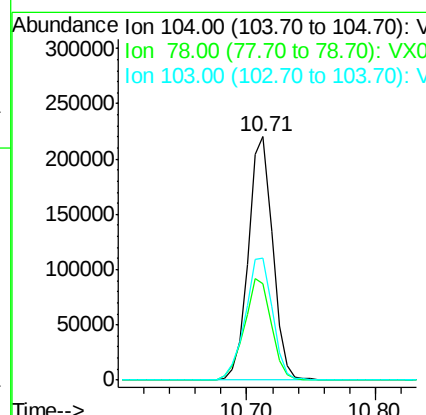
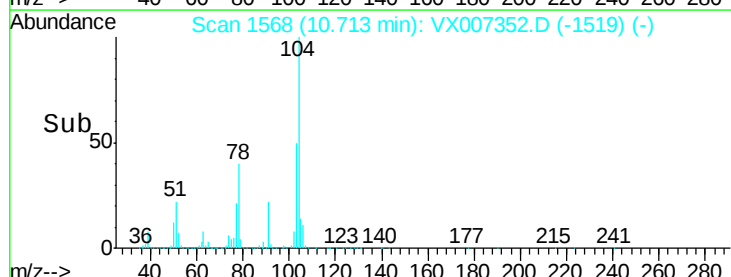
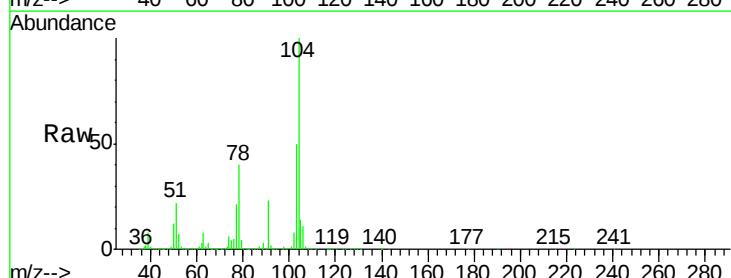
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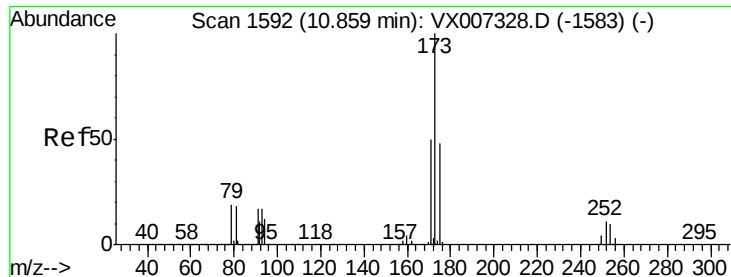
MMDadoda
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#70
Styrene
Concen: 19.264 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007352.D
Acq: 04 Feb 2019 12:03

Tgt Ion:104 Resp: 285405
Ion Ratio Lower Upper
104 100
78 46.8 38.3 57.5
103 56.3 44.6 67.0





#71

Bromoform

Concen: 19.415 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.01 min

Lab File: VX007352.D

Acq: 04 Feb 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

VX0204WBS01

Tot Ion:173 Resp: 72978

Ion Ratio Lower Upper

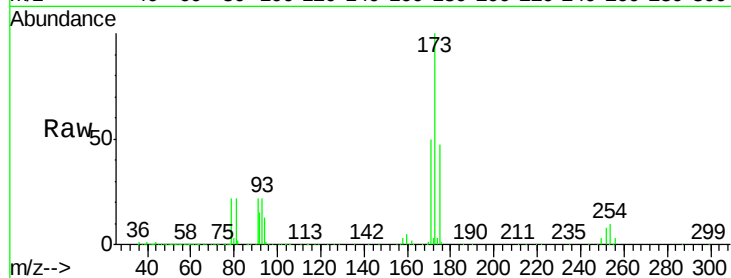
173 100

175 48.0 24.2 72.6

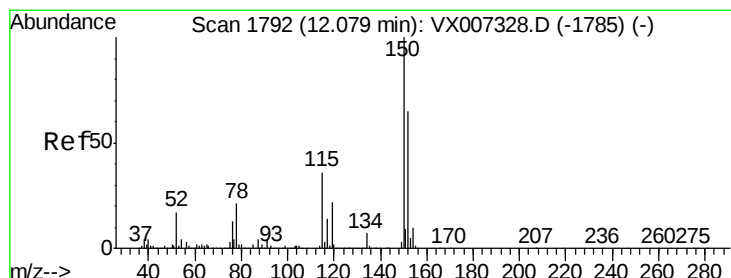
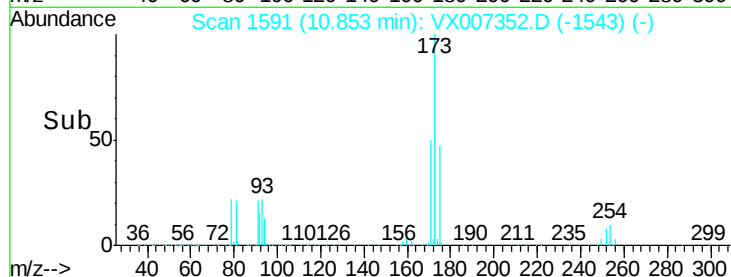
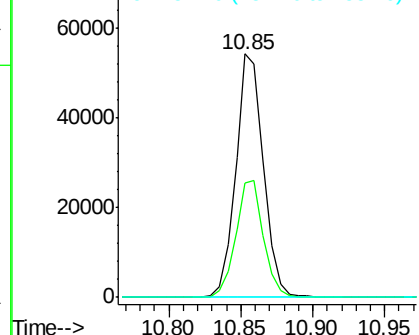
254 0.1 0.2 0.2#

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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: VX007352.D

Acq: 04 Feb 2019 12:03

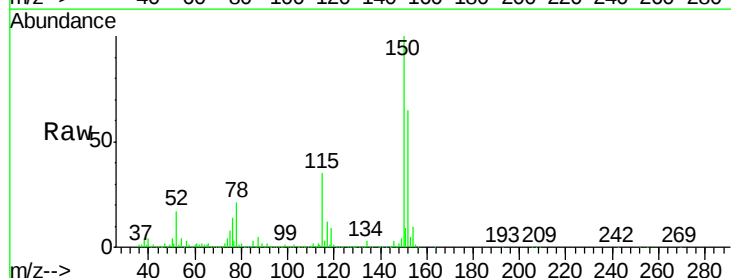
Tgt Ion:152 Resp: 362468

Ion Ratio Lower Upper

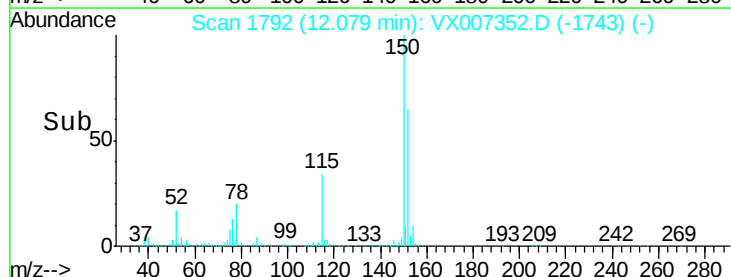
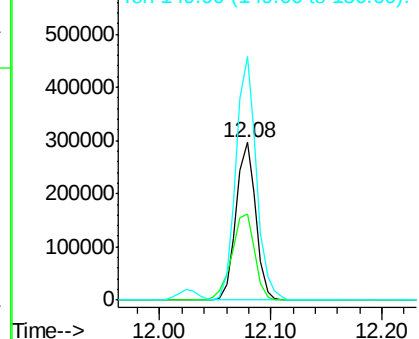
152 100

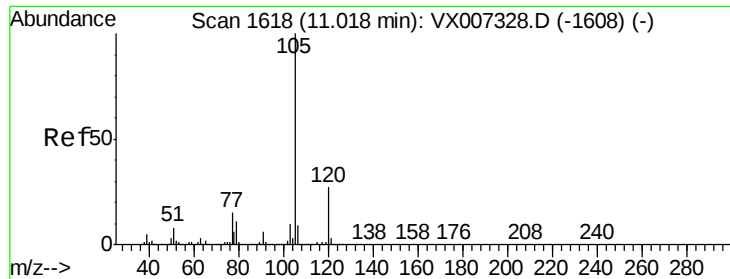
115 63.1 38.0 114.0

150 160.1 0.0 346.4



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: 19.495 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007352.D

Acq: 04 Feb 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

VX0204WBS01

Tot Ion: 105 Resp: 480193

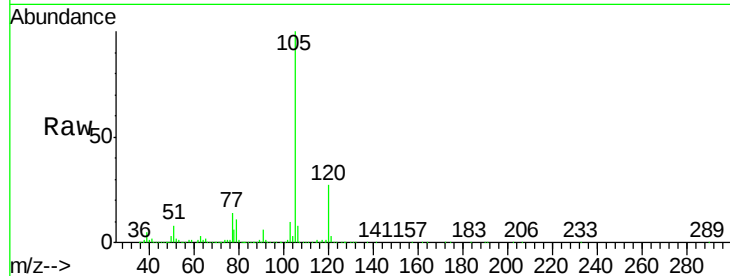
Ion Ratio Lower Upper

105 100

120 27.7 13.6 40.7

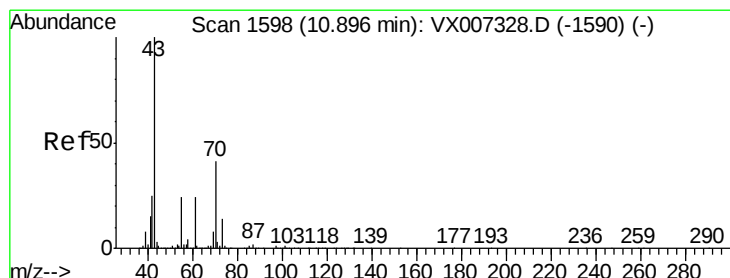
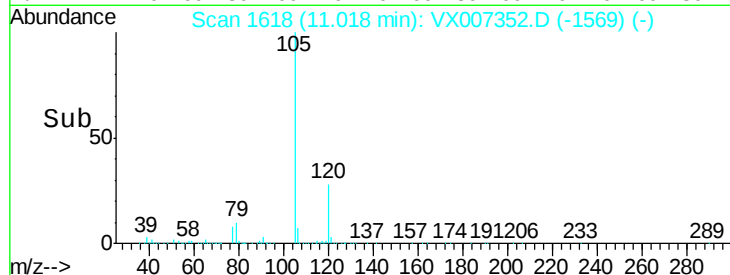
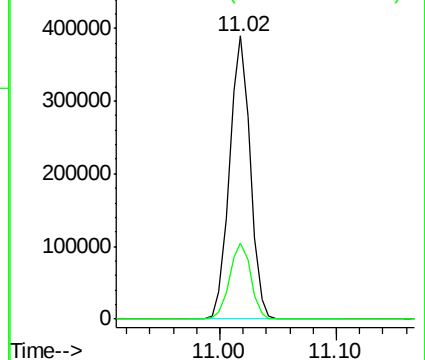
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.572 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007352.D

Acq: 04 Feb 2019 12:03

Tgt Ion: 43 Resp: 176940

Ion Ratio Lower Upper

43 100

70 43.3 33.8 50.6

55 25.9 19.5 29.3

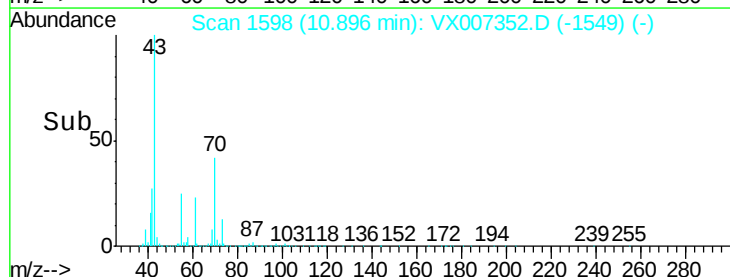
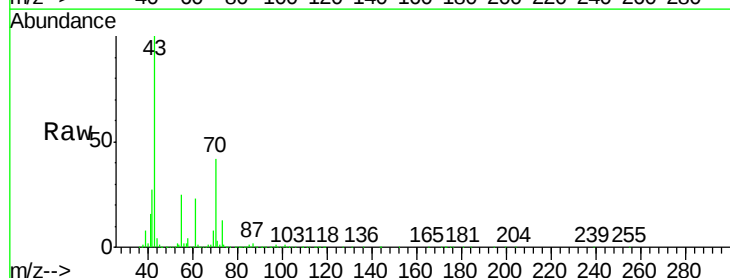
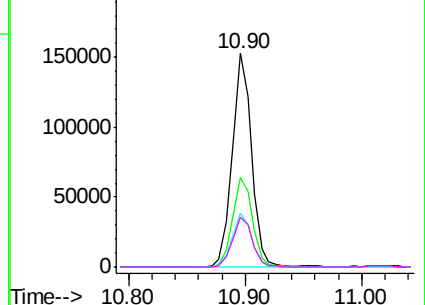
61 24.0 19.4 29.2

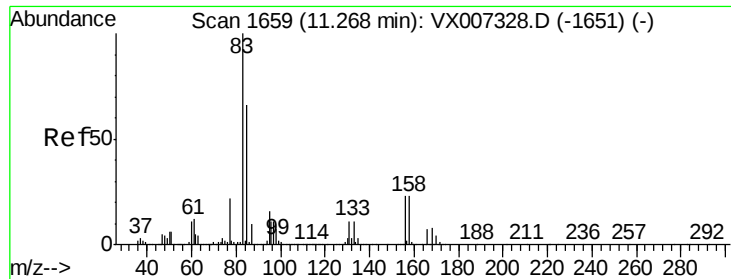
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.198 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007352.D

Acq: 04 Feb 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

VX0204WBS01

Tot Ion: 83 Resp: 144118

Ion Ratio Lower Upper

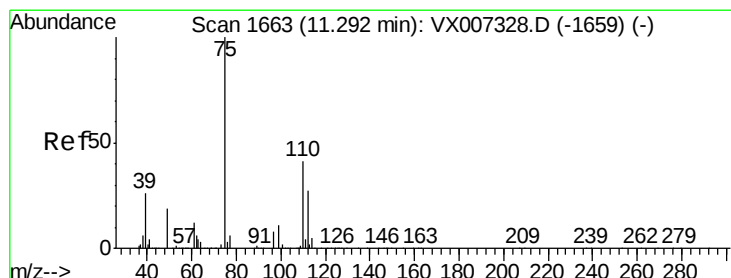
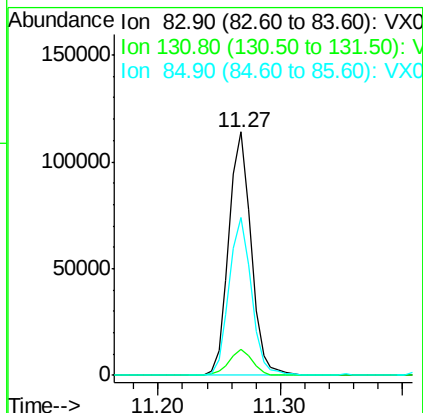
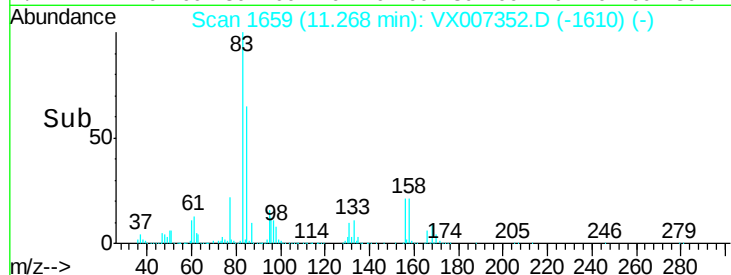
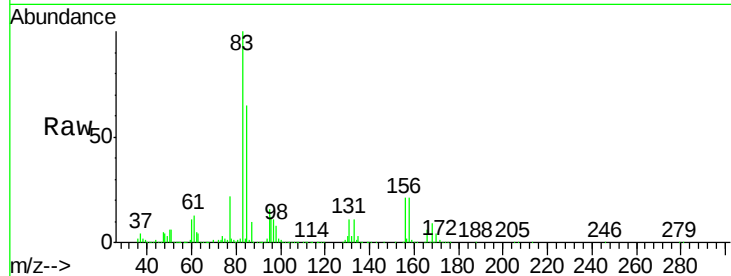
83 100

131 11.1 5.7 17.0

85 64.9 32.8 98.3

Manual Integrations
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MMDadoda
2/5/2019 9:52:39 AM



#76

1,2,3-Trichloropropane

Concen: 19.697 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.01 min

Lab File: VX007352.D

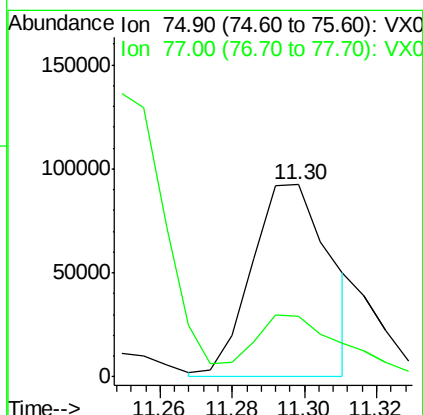
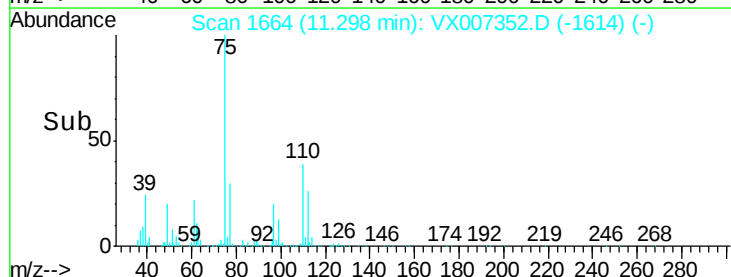
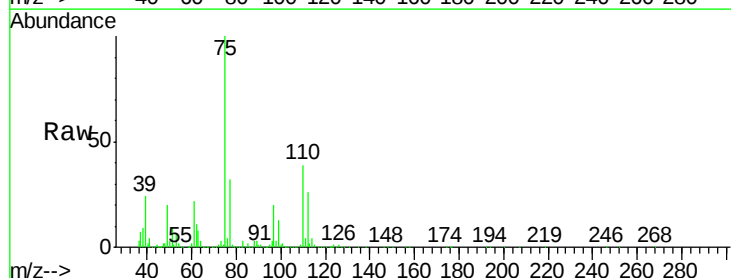
Acq: 04 Feb 2019 12:03

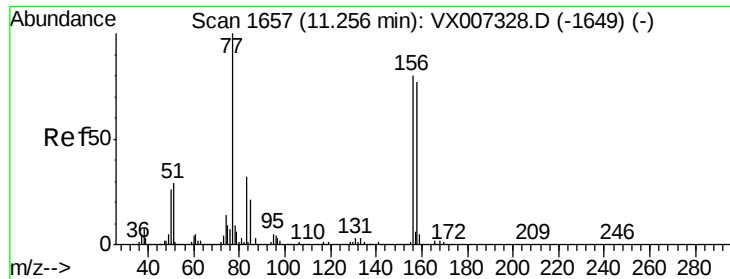
Tgt Ion: 75 Resp: 138872

Ion Ratio Lower Upper

75 100

77 37.7 23.0 69.0





#77

Bromobenzene

Concen: 18.659 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007352.D

Acq: 04 Feb 2019 12:03

Instrument :

MSVOA_X

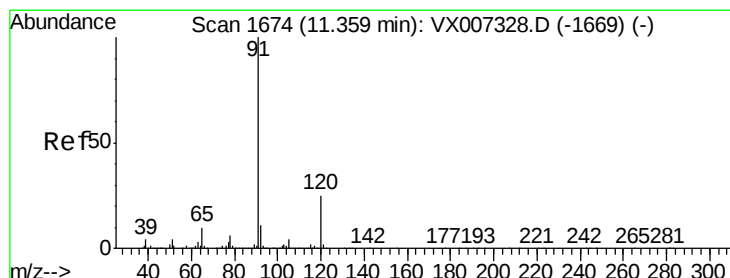
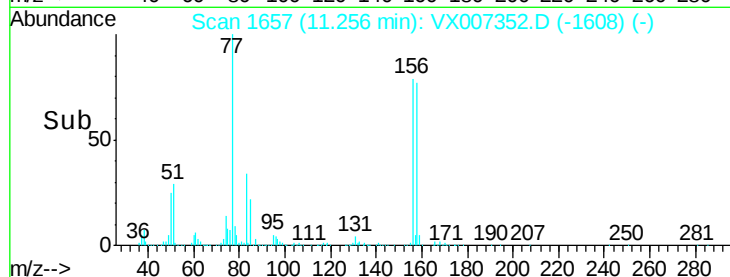
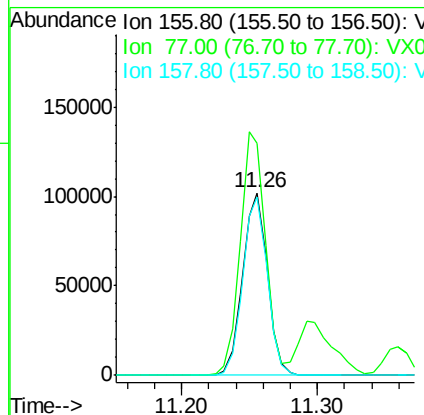
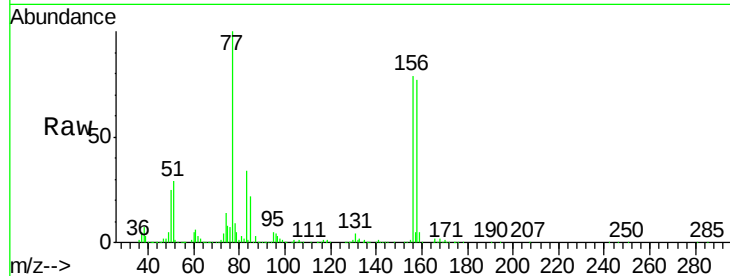
ClientSampleId :

VX0204WBS01

Tot Ion:	156	Resp:	129497
Ion Ratio	Lower	Upper	
156	100		
77	134.3	66.8	200.6
158	96.6	47.9	143.8

Manual Integrations
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2/5/2019 9:52:39 AM



#78

n-propylbenzene

Concen: 19.607 ug/l

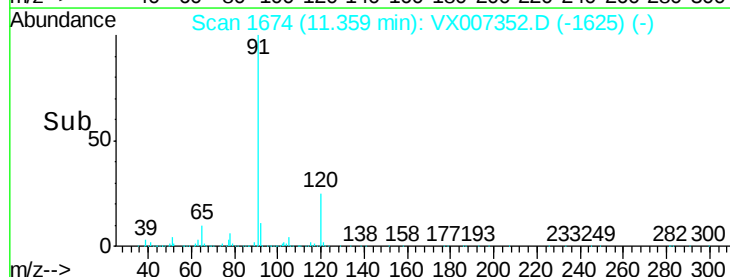
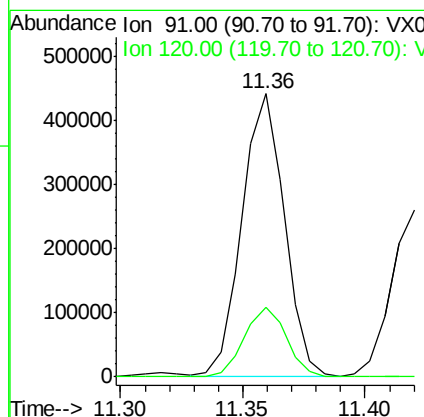
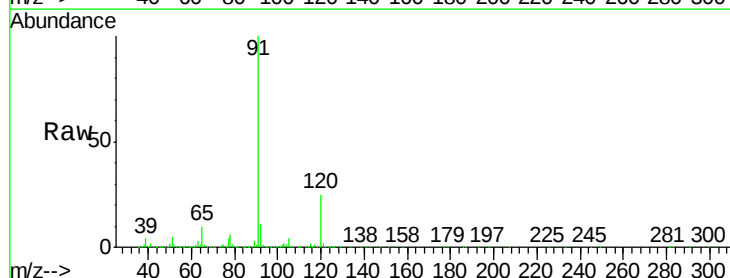
RT: 11.36 min Scan# 1674

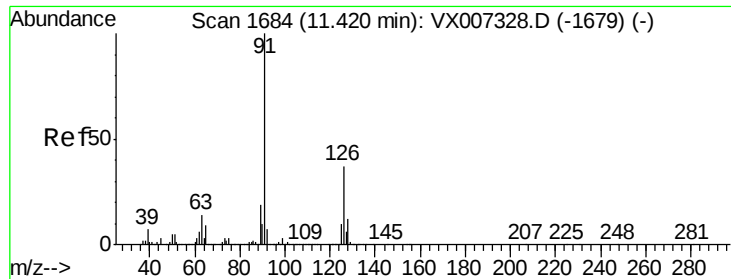
Delta R.T. -0.00 min

Lab File: VX007352.D

Acq: 04 Feb 2019 12:03

Tgt Ion:	91	Resp:	529587
Ion Ratio	Lower	Upper	
91	100		
120	25.0	12.4	37.2





#79

2-Chlorotoluene

Concen: 19.230 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007352.D

Acq: 04 Feb 2019 12:03

Instrument :

MSVOA_X

ClientSampled :

VX0204WBS01

Tot Ion: 91 Resp: 315165

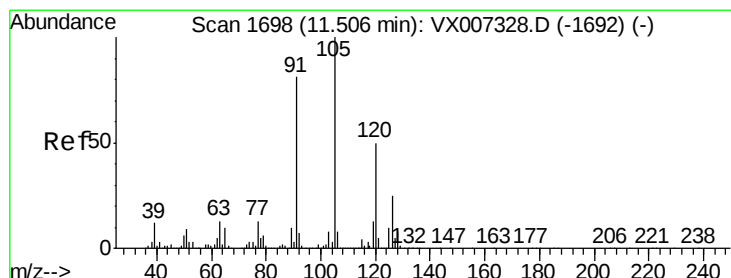
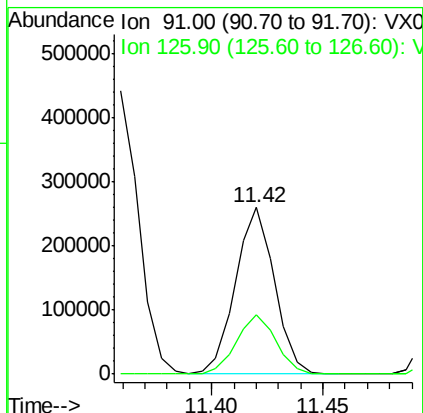
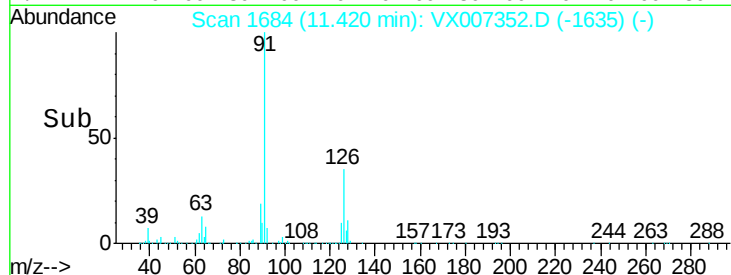
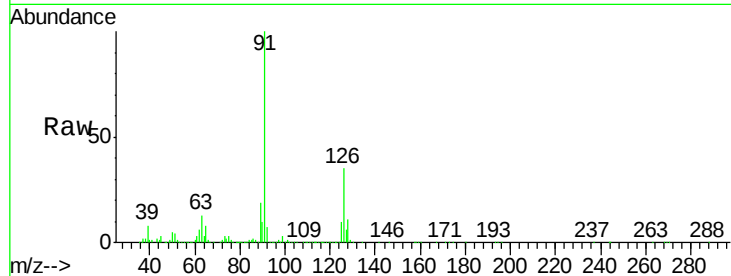
Ion Ratio Lower Upper

91 100

126 36.3 18.7 56.1

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 19.394 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007352.D

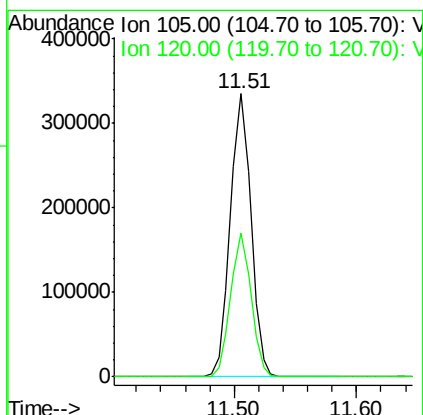
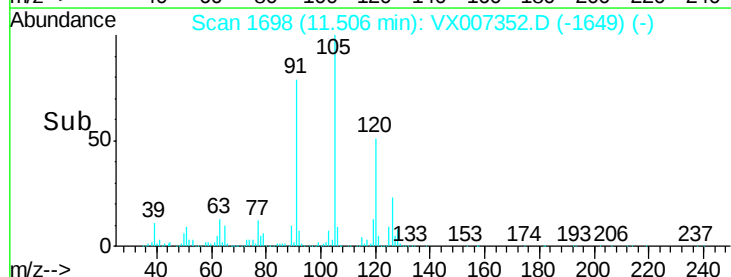
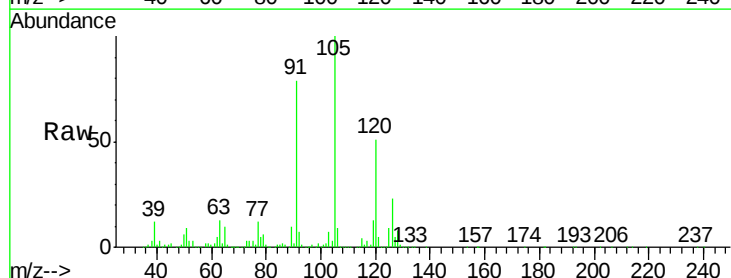
Acq: 04 Feb 2019 12:03

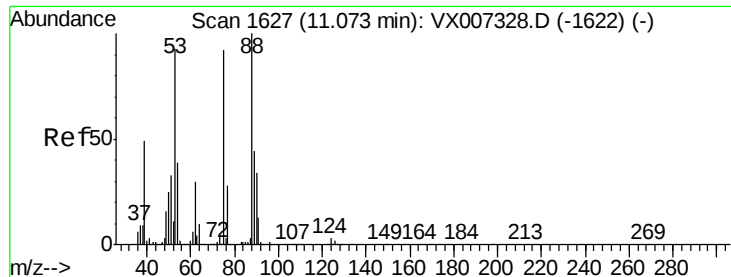
Tgt Ion: 105 Resp: 390817

Ion Ratio Lower Upper

105 100

120 50.3 25.3 75.8





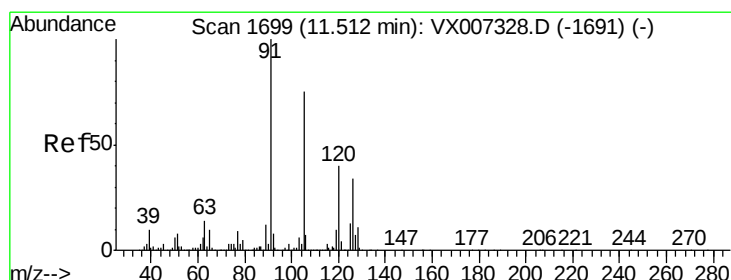
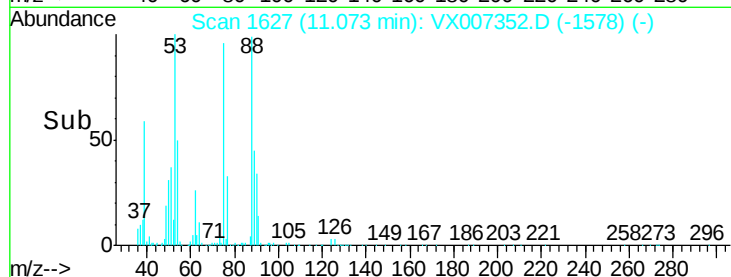
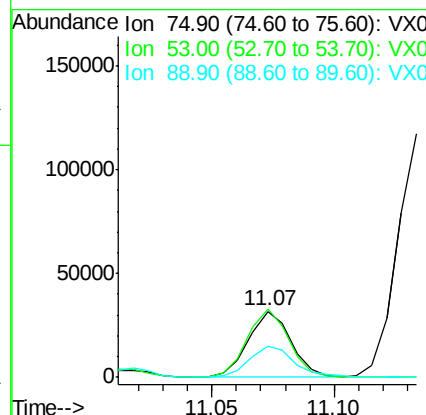
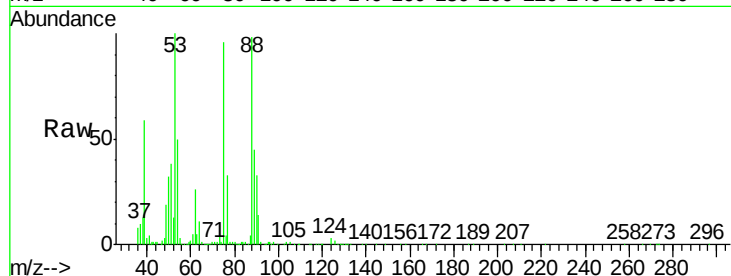
#81
trans-1,4-Dichloro-2-butene
Concen: 19.539 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX007352.D
Acq: 04 Feb 2019 12:03

Instrument :
MSVOA_X
ClientSampleId :
VX0204WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.5	81.0	121.6
89	50.6	41.4	62.0

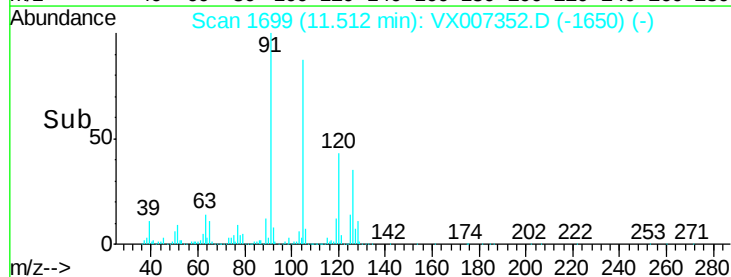
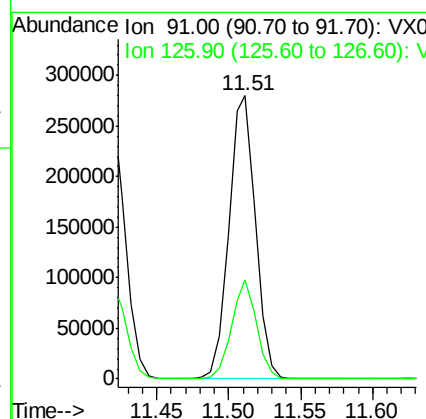
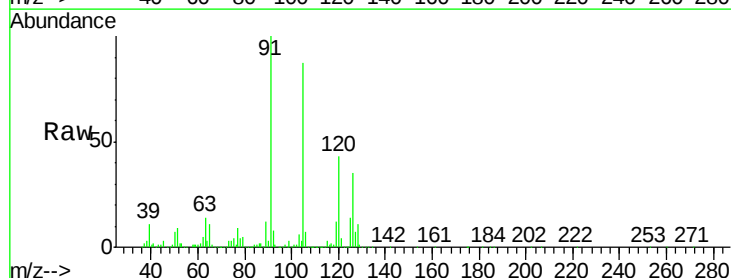
Manual Integrations
APPROVED

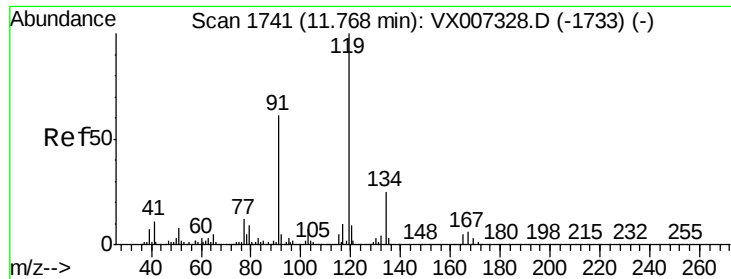
MMDadoda
2/5/2019 9:52:39 AM



#82
4-Chlorotoluene
Concen: 19.125 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX007352.D
Acq: 04 Feb 2019 12:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.2	48.5





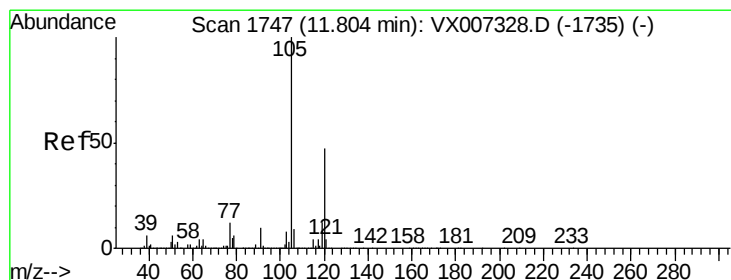
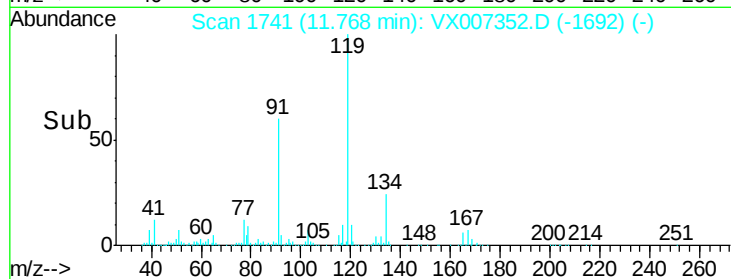
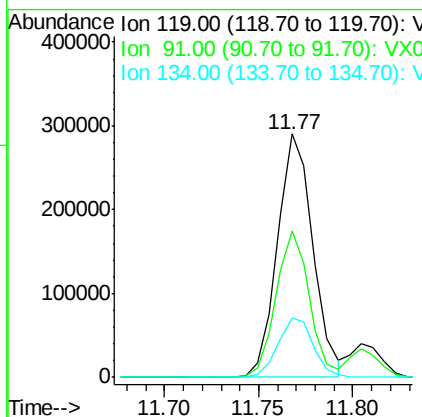
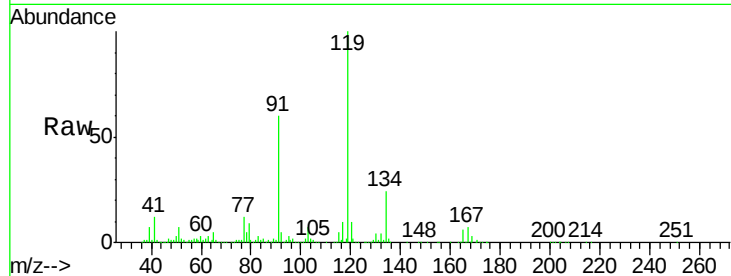
#83
 tert-Butylbenzene
 Concen: 18.895 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX007352.D
 Acq: 04 Feb 2019 12:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0204WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	376982		
91	56.9	28.5	85.6	
134	24.3	12.0	36.0	

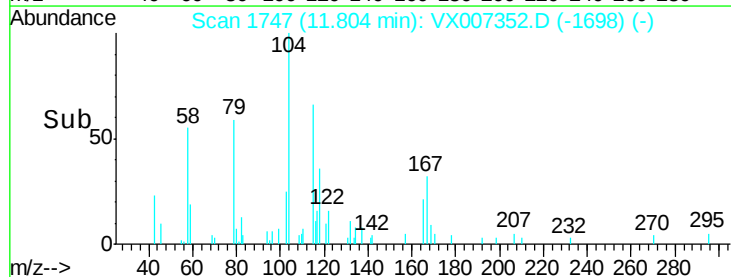
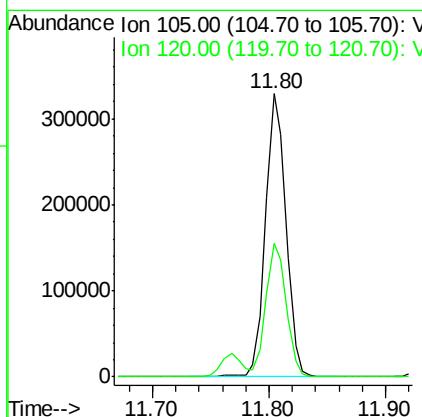
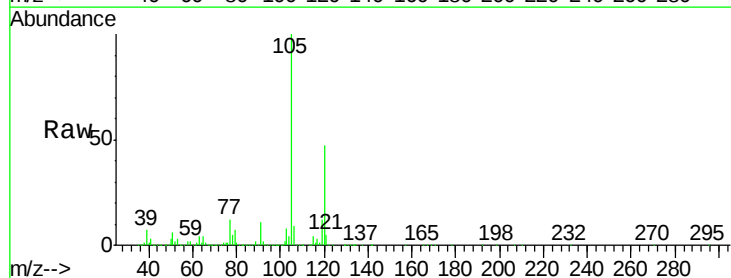
Manual Integrations
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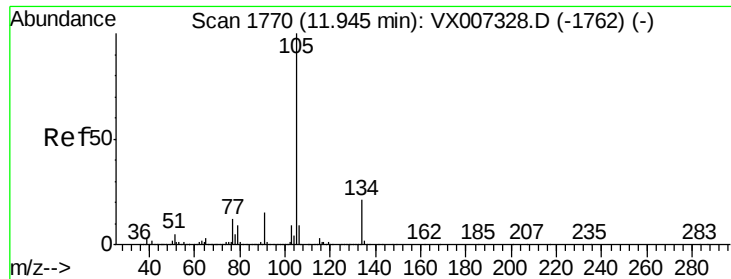
MMDadoda
 2/5/2019 9:52:39 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.621 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX007352.D
 Acq: 04 Feb 2019 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	401421		
120	46.2	23.1	69.3	





#85

sec-Butylbenzene

Concen: 19.987 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007352.D

Acq: 04 Feb 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

VX0204WBS01

Tot Ion:105 Resp: 482627

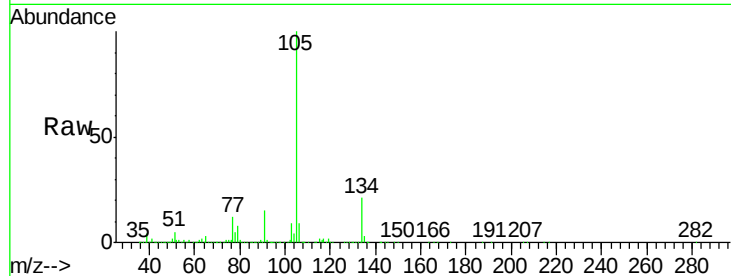
Ion Ratio Lower Upper

105 100

134 21.2 10.6 31.8

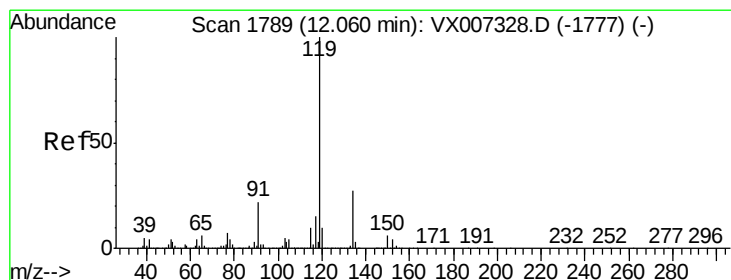
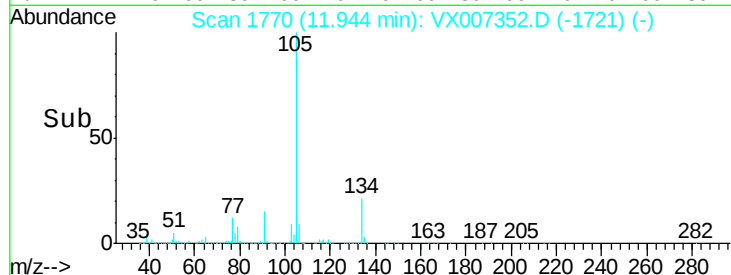
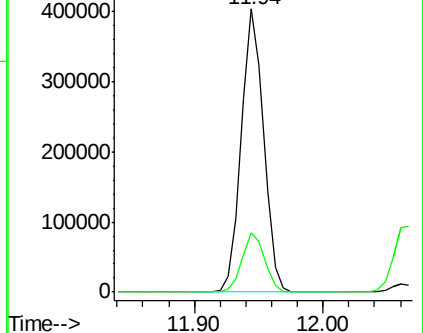
Manual Integrations
APPROVED

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2/5/2019 9:52:39 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.514 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX007352.D

Acq: 04 Feb 2019 12:03

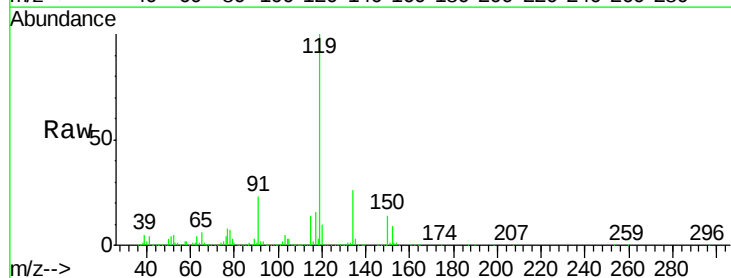
Tgt Ion:119 Resp: 425360

Ion Ratio Lower Upper

119 100

134 27.7 13.7 41.1

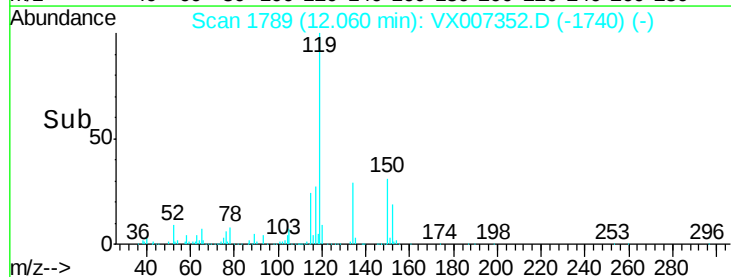
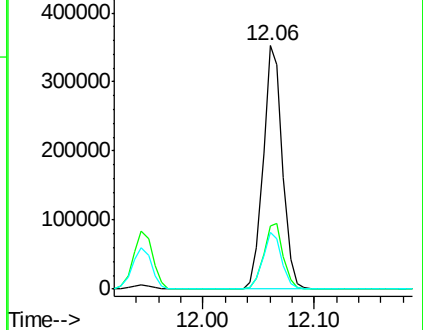
91 23.0 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





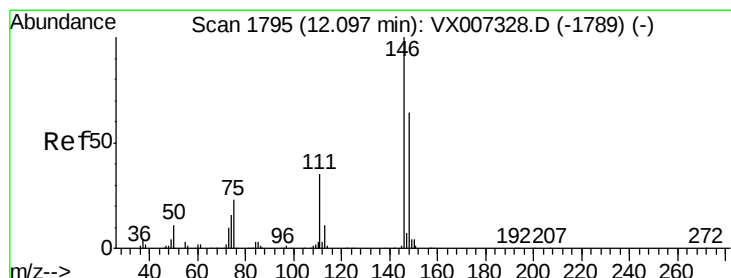
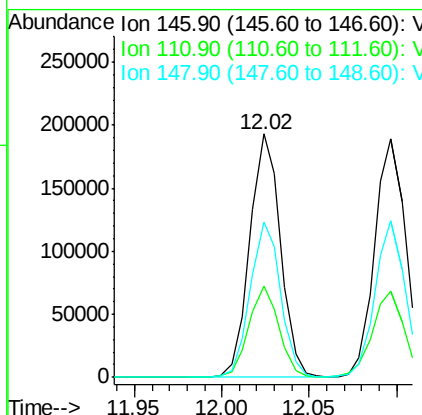
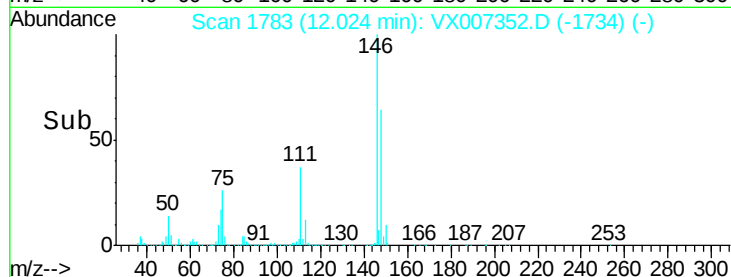
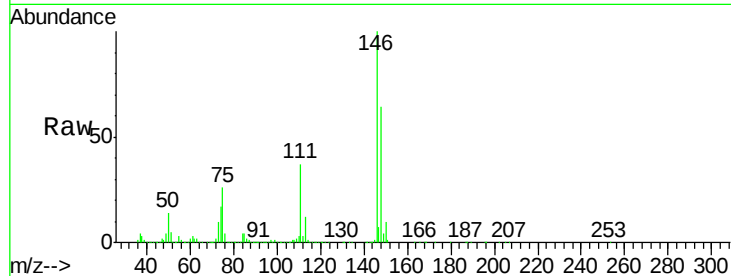
#87
 1,3-Dichlorobenzene
 Concen: 18.933 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX007352.D
 Acq: 04 Feb 2019 12:03

Instrument :
 MSVOA_X
 ClientSampled :
 VX0204WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.1	54.1
148	63.2	32.0	96.2

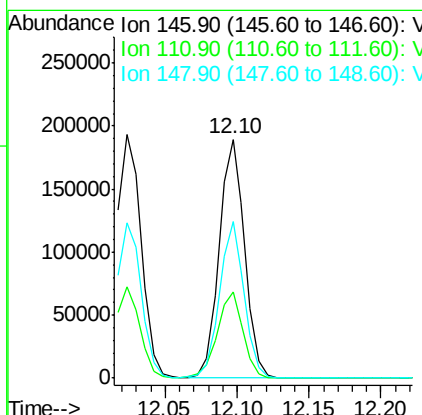
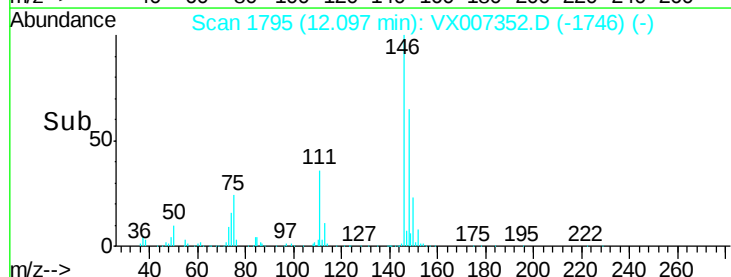
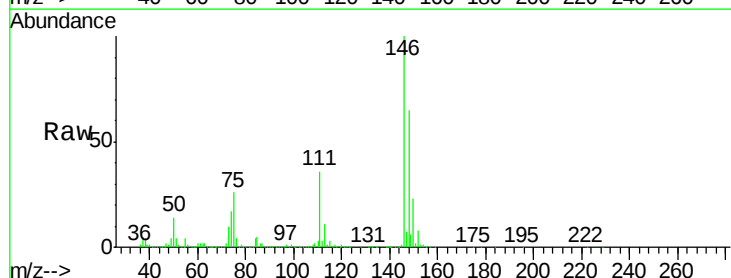
Manual Integrations
 APPROVED

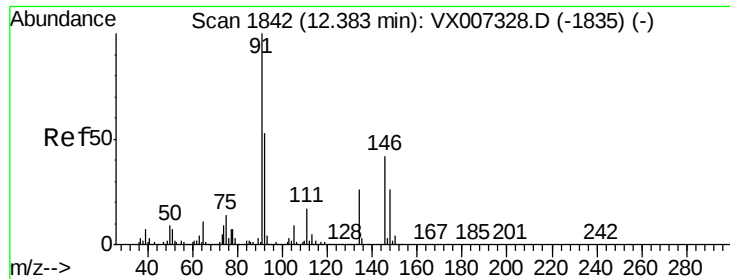
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 2/5/2019 9:52:39 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.515 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007352.D
 Acq: 04 Feb 2019 12:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.1	54.1
148	63.5	32.3	96.9





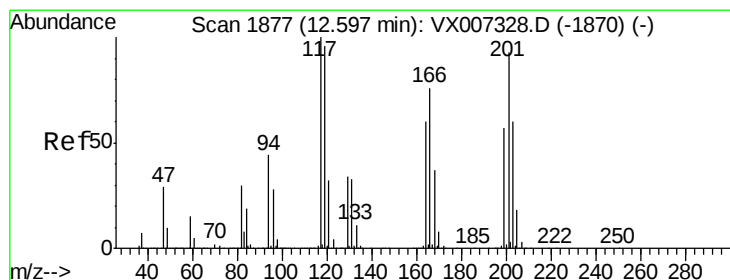
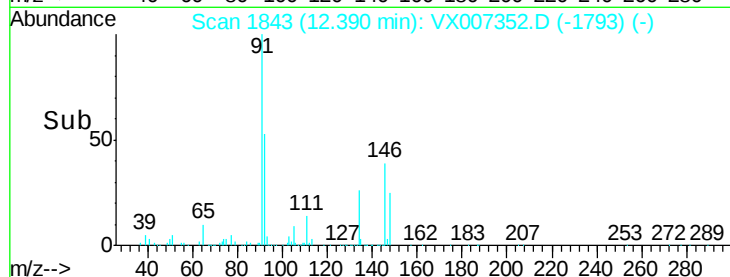
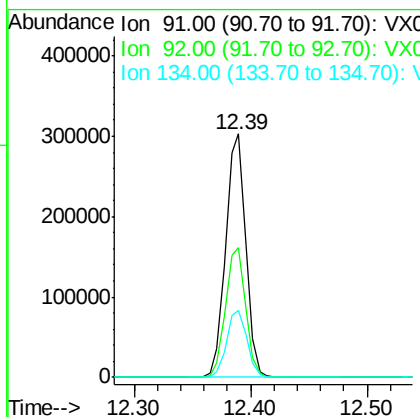
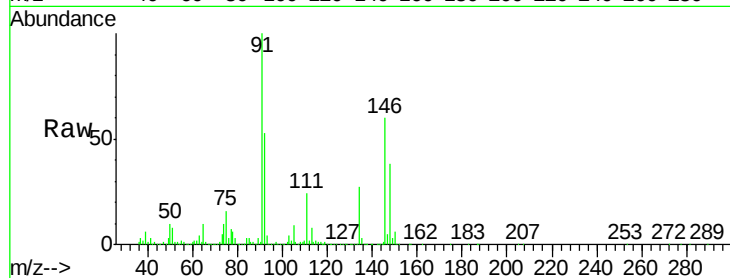
#89
n-Butylbenzene
Concen: 19.233 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX007352.D
Acq: 04 Feb 2019 12:03

Instrument :
MSVOA_X
ClientSampleId :
VX0204WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.3	78.9
134	27.8	13.9	41.6

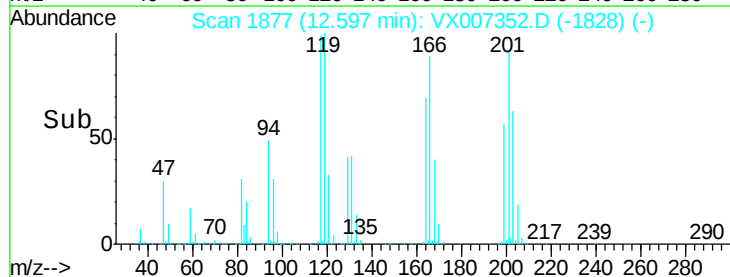
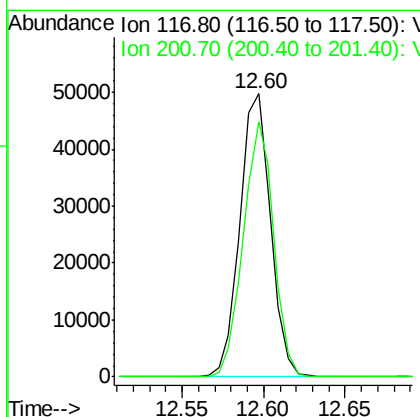
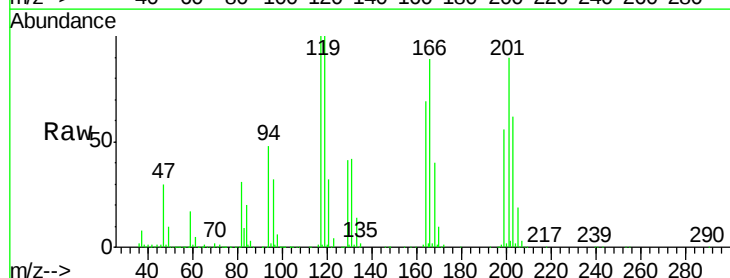
Manual Integrations
APPROVED

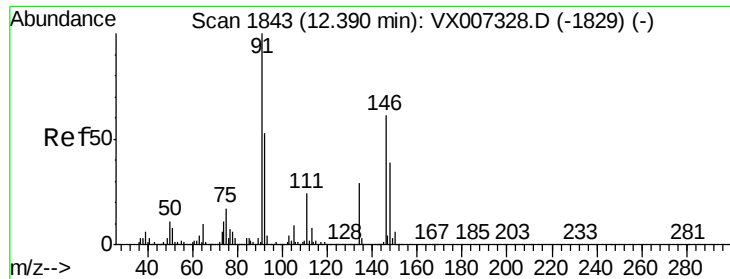
MMDadoda
2/5/2019 9:52:39 AM



#90
Hexachloroethane
Concen: 20.039 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX007352.D
Acq: 04 Feb 2019 12:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.0	44.9	134.7





#91

1,2-Dichlorobenzene

Concen: 18.458 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX007352.D

Acq: 04 Feb 2019 12:03

Instrument :

MSVOA_X

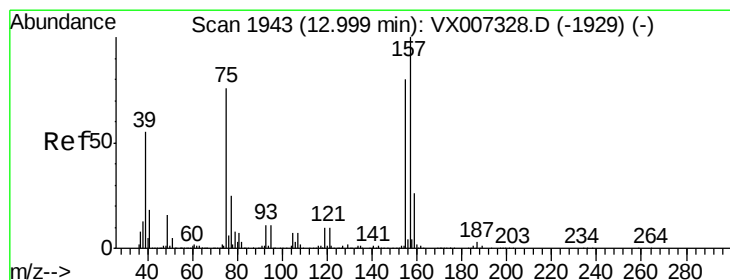
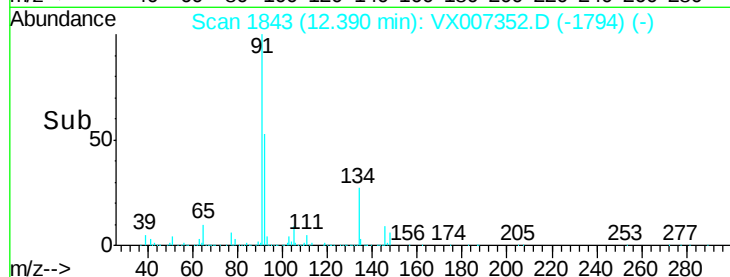
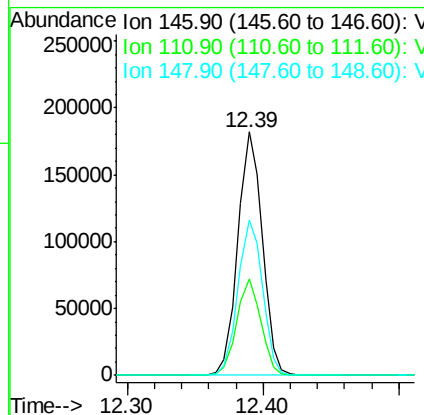
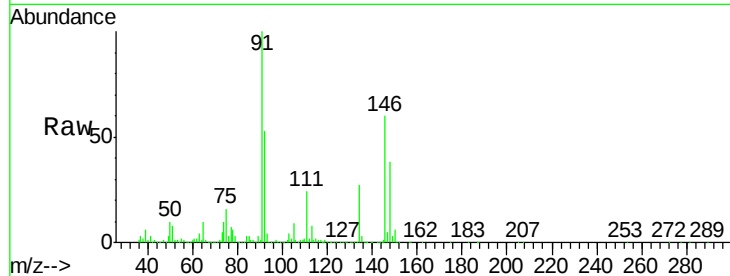
ClientSampleId :

VX0204WBS01

Tot Ion:	146	Resp:	228793
Ion Ratio	Lower	Upper	
146	100		
111	39.0	19.1	57.3
148	64.1	32.1	96.3

Manual Integrations
APPROVED

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2/5/2019 9:52:39 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.363 ug/l

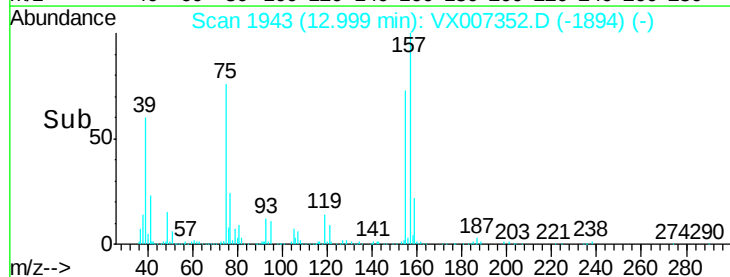
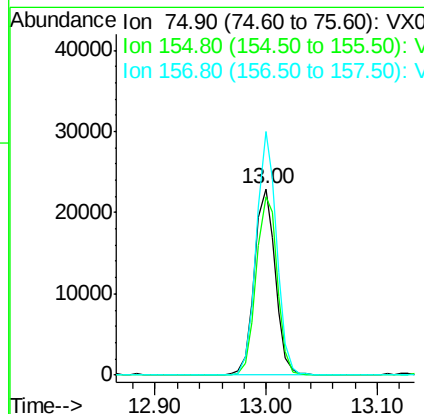
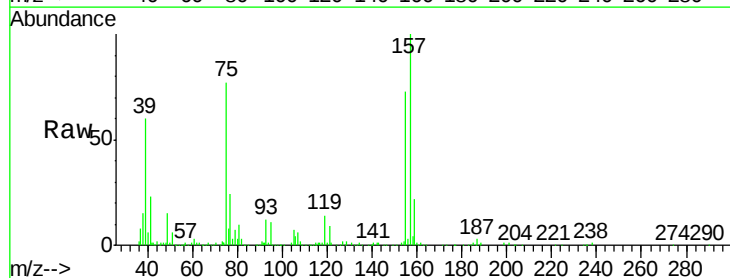
RT: 13.00 min Scan# 1943

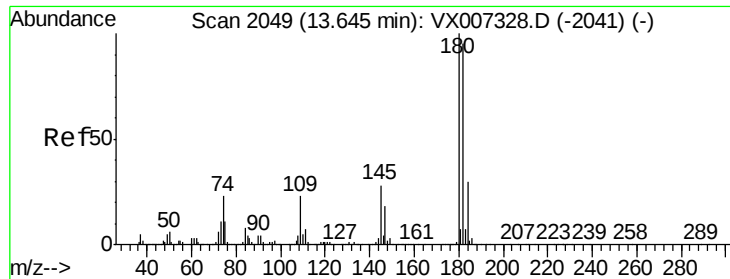
Delta R.T. -0.00 min

Lab File: VX007352.D

Acq: 04 Feb 2019 12:03

Tgt Ion:	75	Resp:	30224
Ion Ratio	Lower	Upper	
75	100		
155	96.4	49.6	149.0
157	125.4	65.1	195.3





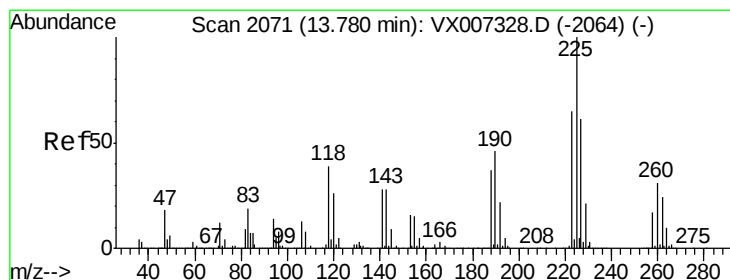
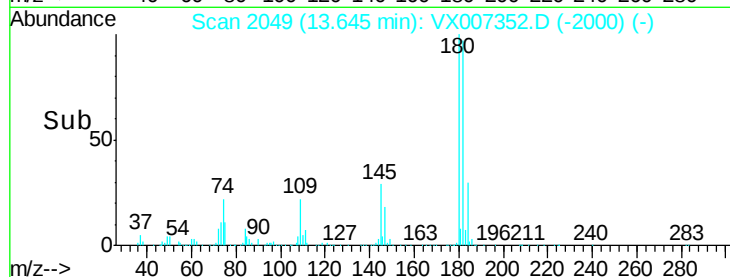
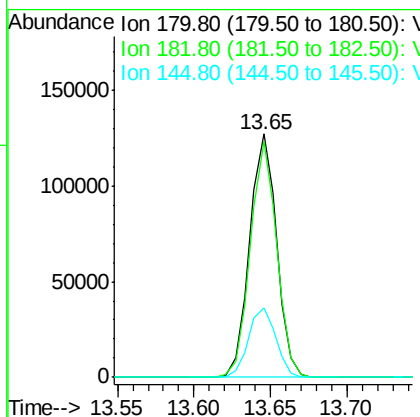
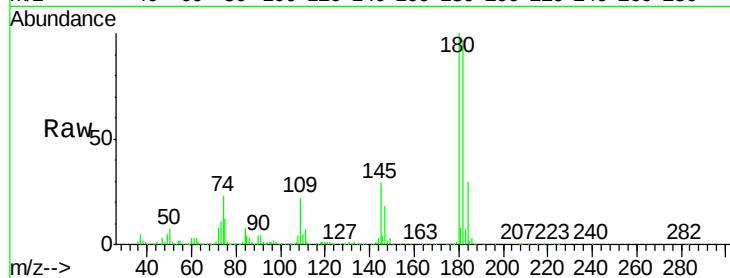
#93
1,2,4-Trichlorobenzene
Concen: 18.625 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX007352.D
Acq: 04 Feb 2019 12:03

Instrument :
MSVOA_X
ClientSampleId :
VX0204WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	155689		
182	94.7	47.8	143.3	
145	29.1	14.1	42.2	

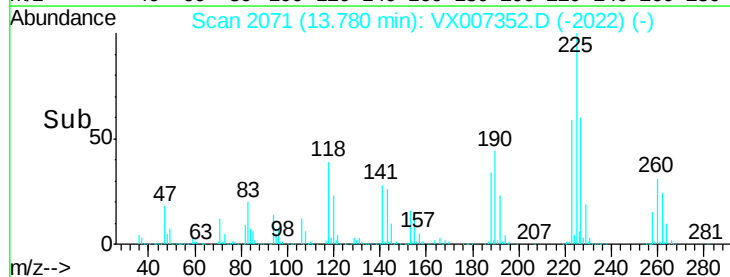
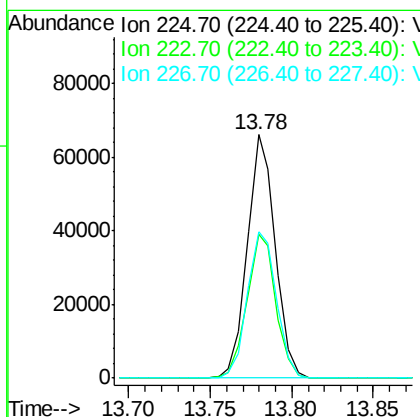
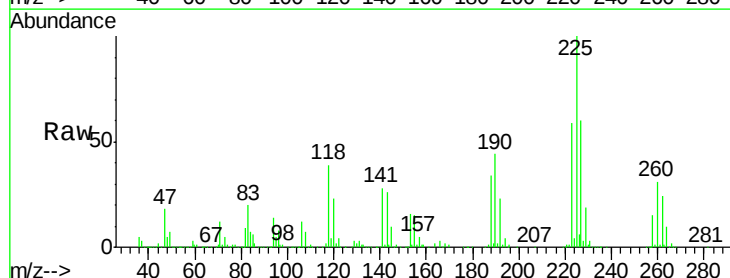
Manual Integrations
APPROVED

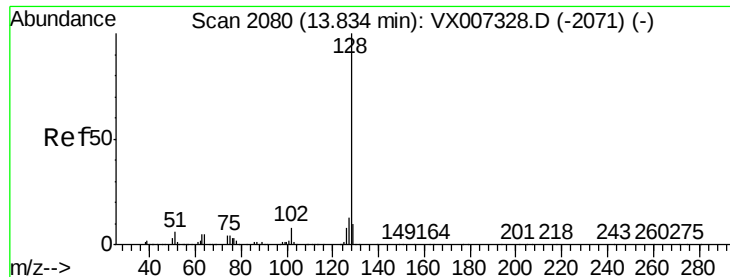
MMDadoda
2/5/2019 9:52:39 AM



#94
Hexachlorobutadiene
Concen: 19.490 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX007352.D
Acq: 04 Feb 2019 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	79110		
223	60.6	31.6	94.8	
227	62.4	32.1	96.3	





#95

Naphthalene

Concen: 18.863 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007352.D

Acq: 04 Feb 2019 12:03

Instrument :

MSVOA_X

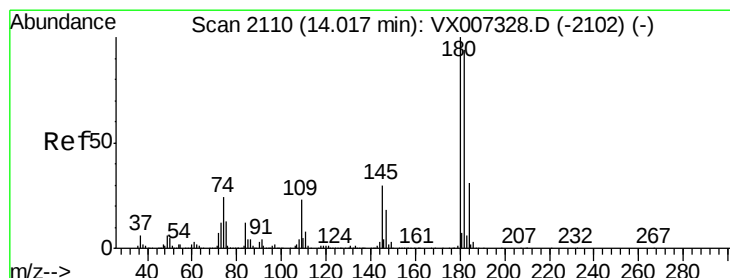
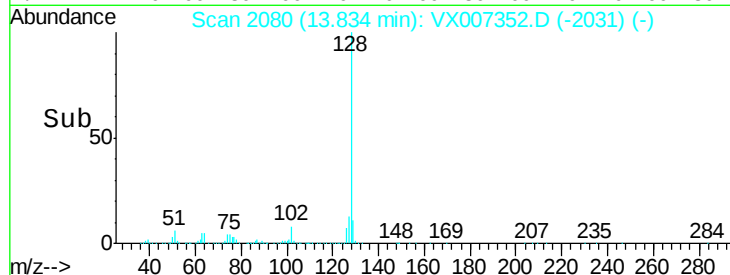
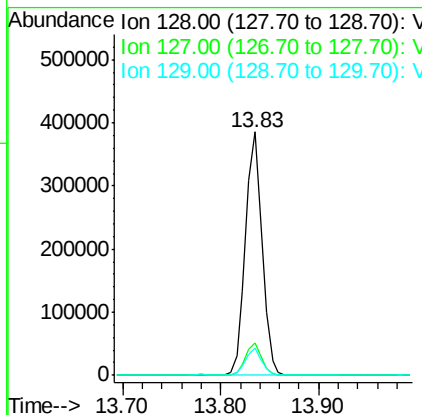
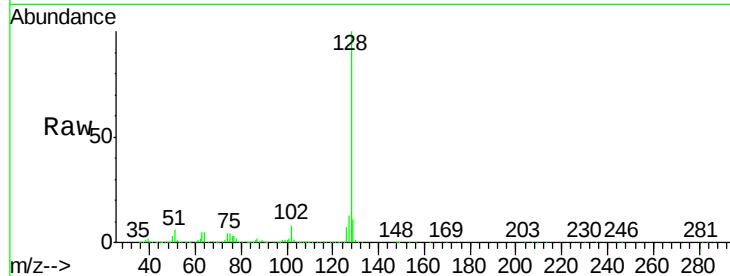
ClientSampled :

VX0204WBS01

Tot Ion:	128	Resp:	461100
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.5	15.7
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/5/2019 9:52:39 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.647 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX007352.D

Acq: 04 Feb 2019 12:03

Tgt Ion:	180	Resp:	156899
Ion Ratio	Lower	Upper	
180	100		
182	96.9	47.5	142.6
145	30.9	14.9	44.5

