

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071119\
 Data File : VX010800.D
 Acq On : 11 Jul 2019 12:30
 Operator : JC/SP
 Sample : VX0711MBS01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711MBS01

Manual Integrations
 APPROVED

MMDadoda
 7/12/2019 12:21:58 PM

Quant Time: Jul 12 07:12:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	218284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	326342	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	299092	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	153339	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	95291	46.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.12%	
35) Dibromofluoromethane	5.50	113	91474	45.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.62%	
50) Toluene-d8	8.71	98	334900	43.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.68%	
62) 4-Bromofluorobenzene	11.13	95	121730	44.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	32262	21.259	ug/l	99
3) Chloromethane	1.33	50	35494	20.086	ug/l	100
4) Vinyl Chloride	1.41	62	37855	19.558	ug/l	100
5) Bromomethane	1.64	94	22295	23.644	ug/l	96
6) Chloroethane	1.72	64	25299	22.155	ug/l	97
7) Trichlorofluoromethane	1.93	101	64126	20.900	ug/l	99
8) Diethyl Ether	2.19	74	23563	21.415	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	36085	19.407	ug/l	99
10) Methyl Iodide	2.51	142	48355	18.222	ug/l	97
11) Tert butyl alcohol	3.04	59	50210	93.756	ug/l	99
12) 1,1-Dichloroethene	2.37	96	36542	19.314	ug/l	99
13) Acrolein	2.29	56	24145	67.964	ug/l	95
14) Allyl chloride	2.73	41	50917	18.955	ug/l	98
15) Acrylonitrile	3.14	53	107184	101.088	ug/l	99
16) Acetone	2.45	43	90901	88.623	ug/l	97
17) Carbon Disulfide	2.57	76	84769	16.700	ug/l	96
18) Methyl Acetate	2.78	43	43090	21.078	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	116430	19.561	ug/l	99
20) Methylene Chloride	2.86	84	41570	19.693	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	38783	19.059	ug/l	99
22) Diisopropyl ether	3.85	45	111672	19.884	ug/l	96
23) Vinyl Acetate	3.82	43	487035	100.384	ug/l	98
24) 1,1-Dichloroethane	3.70	63	63500	19.561	ug/l	98
25) 2-Butanone	4.67	43	143736	95.532	ug/l	98
26) 2,2-Dichloropropane	4.59	77	47984	17.015	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	45168	19.208	ug/l	99
28) Bromochloromethane	5.02	49	27643	17.810	ug/l	94
29) Tetrahydrofuran	5.13	42	91330	97.999	ug/l	100
30) Chloroform	5.21	83	68311	19.557	ug/l	99
31) Cyclohexane	5.58	56	57543	19.465	ug/l	91
32) 1,1,1-Trichloroethane	5.49	97	59189	19.191	ug/l	99
36) 1,1-Dichloropropene	5.80	75	48471	18.691	ug/l	99
37) Ethyl Acetate	4.84	43	54724	20.512	ug/l	99
38) Carbon Tetrachloride	5.79	117	49876	17.761	ug/l	98

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Manual Integrations
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Quant Time: Jul 12 07:12:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	61262	17.972	ug/l	97
40) Benzene	6.14	78	155082	19.195	ug/l	96
41) Methacrylonitrile	5.04	41	28514	19.479	ug/l	97
42) 1,2-Dichloroethane	6.20	62	52067	21.171	ug/l	98
43) Isopropyl Acetate	6.45	43	83328	18.878	ug/l	99
44) Trichloroethene	7.21	130	45499	18.820	ug/l	96
45) 1,2-Dichloropropane	7.51	63	39350	19.287	ug/l	98
46) Dibromomethane	7.66	93	28433	19.424	ug/l	96
47) Bromodichloromethane	7.90	83	48989	18.261	ug/l	97
48) Methyl methacrylate	7.77	41	39086	19.051	ug/l	99
49) 1,4-Dioxane	7.74	88	23413	396.137	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	286031	101.322	ug/l	98
52) Toluene	8.78	92	100122	18.818	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	50064	16.646	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	58055	17.762	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	42473	19.356	ug/l	96
56) Ethyl methacrylate	9.18	69	61300	18.441	ug/l	97
57) 1,3-Dichloropropane	9.37	76	67177	19.722	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	142756	90.427	ug/l	100
59) 2-Hexanone	9.49	43	220665	99.318	ug/l	97
60) Dibromochloromethane	9.58	129	41189	16.765	ug/l	98
61) 1,2-Dibromoethane	9.67	107	44377	18.736	ug/l	100
64) Tetrachloroethene	9.34	164	46067	19.043	ug/l	96
65) Chlorobenzene	10.14	112	113339	18.665	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	39461	17.841	ug/l	98
67) Ethyl Benzene	10.25	91	194569	18.980	ug/l	98
68) m/p-Xylenes	10.36	106	149302	37.588	ug/l	99
69) o-Xylene	10.70	106	72813	18.641	ug/l	99
70) Styrene	10.71	104	121899	18.608	ug/l	99
71) Bromoform	10.85	173	29801	15.494	ug/l #	100
73) Isopropylbenzene	11.02	105	195767	18.834	ug/l	98
74) N-amyl acetate	10.90	43	74399	18.939	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	65648	19.071	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	53159m	19.025	ug/l	
77) Bromobenzene	11.26	156	53121	18.302	ug/l	99
78) n-propylbenzene	11.36	91	212391	18.592	ug/l	99
79) 2-Chlorotoluene	11.42	91	126444	18.587	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	160067	18.680	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	16683	13.929	ug/l #	85
82) 4-Chlorotoluene	11.51	91	144866	18.715	ug/l	99
83) tert-Butylbenzene	11.77	119	158630	18.444	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	163119	18.947	ug/l	100
85) sec-Butylbenzene	11.94	105	187898	18.607	ug/l	99
86) p-Isopropyltoluene	12.06	119	172957	18.517	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	92175	18.193	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	94037	18.232	ug/l	98
89) n-Butylbenzene	12.38	91	145093	18.280	ug/l	99
90) Hexachloroethane	12.60	117	24687	15.285	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	93596	18.588	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	12684	17.090	ug/l	93

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Instrument :
MSVOA_X
ClientSampleId :
VX0711MBS01

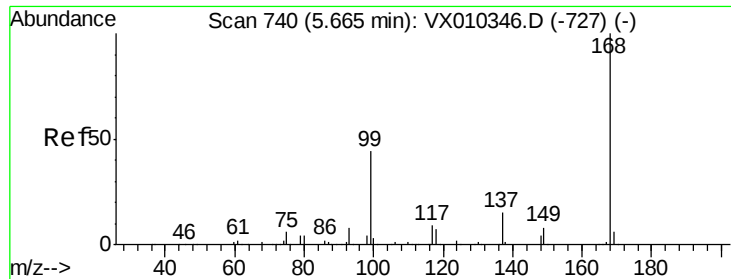
Manual Integrations
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7/12/2019 12:21:58 PM

Quant Time: Jul 12 07:12:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	61864	17.716	ug/l	99
94) Hexachlorobutadiene	13.78	225	29878	17.507	ug/l	98
95) Naphthalene	13.83	128	188072	17.526	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	63315	18.237	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010800.D

Acq: 11 Jul 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0711MBS01

Tot Ion:168 Resp: 218284

Ion Ratio Lower Upper

168 100

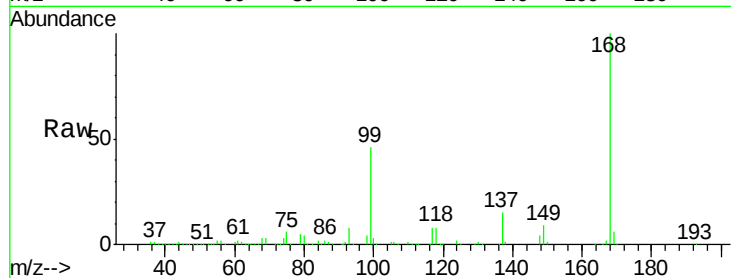
99 46.2 35.5 53.3

Manual Integrations

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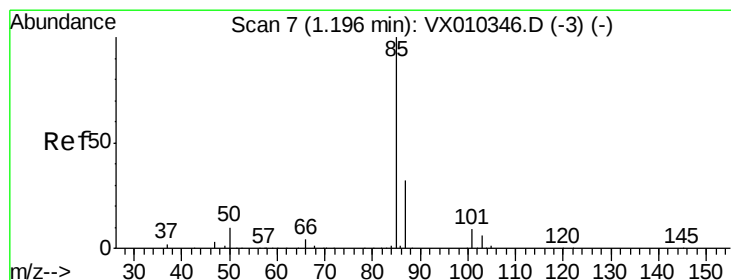
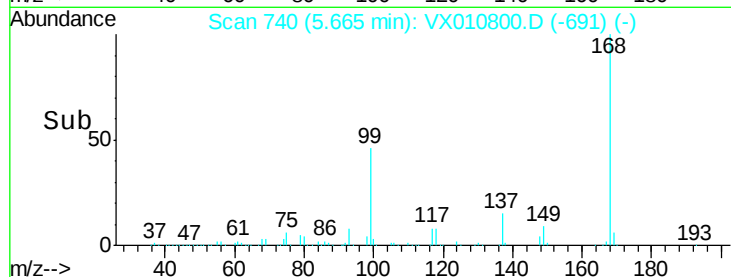
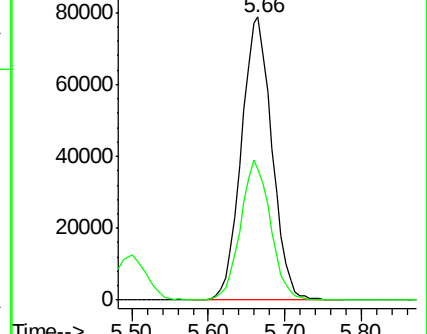
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 21.259 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010800.D

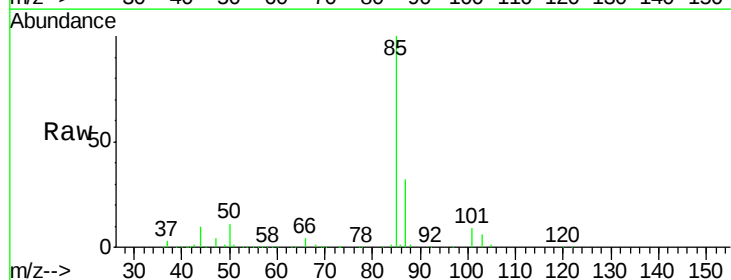
Acq: 11 Jul 2019 12:30

Tgt Ion: 85 Resp: 32262

Ion Ratio Lower Upper

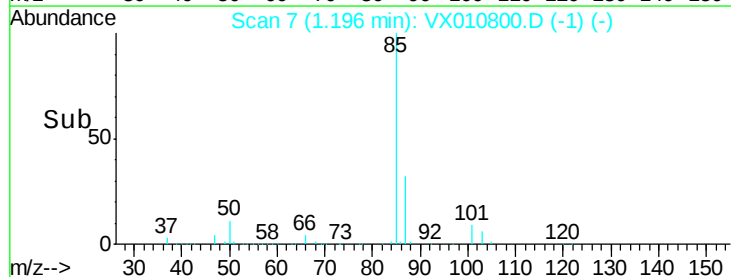
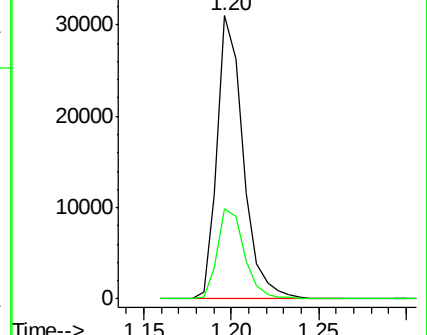
85 100

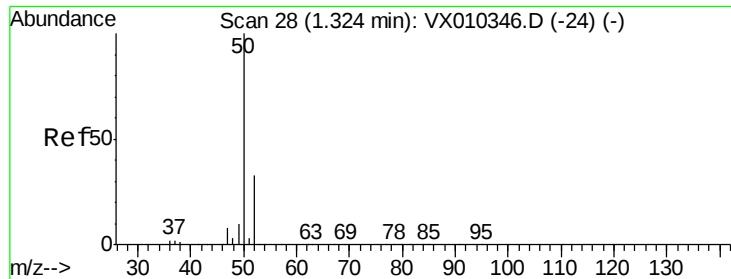
87 31.7 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 20.086 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010800.D

Acq: 11 Jul 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0711MBS01

Tot Ion: 50 Resp: 35494

Ion Ratio Lower Upper

50 100

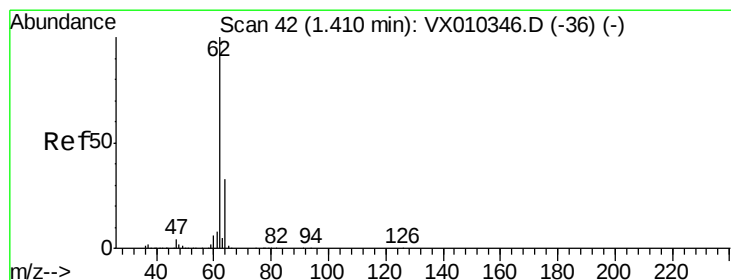
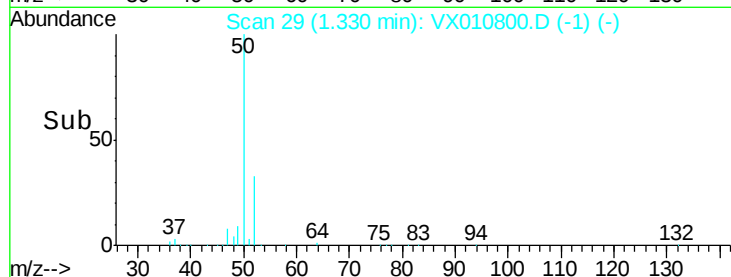
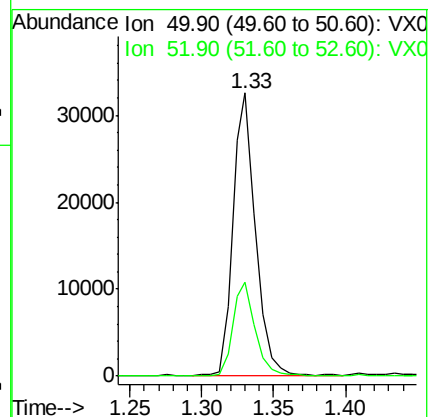
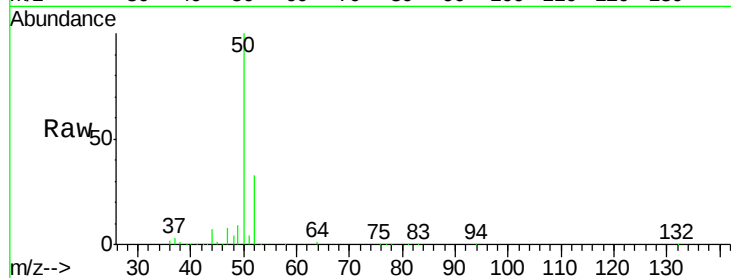
52 33.0 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.558 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010800.D

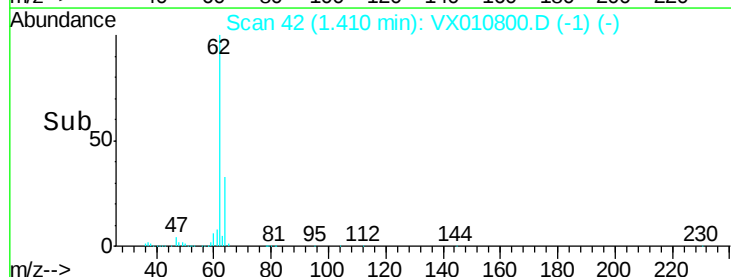
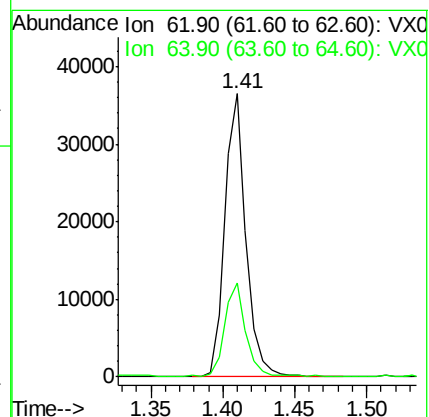
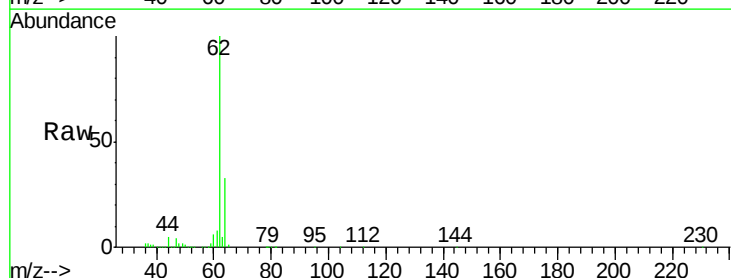
Acq: 11 Jul 2019 12:30

Tgt Ion: 62 Resp: 37855

Ion Ratio Lower Upper

62 100

64 32.8 26.2 39.4





#5

Bromomethane

Concen: 23.644 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX010800.D

Acq: 11 Jul 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0711MBS01

Tot Ion: 94 Resp: 22295

Ion Ratio Lower Upper

94 100

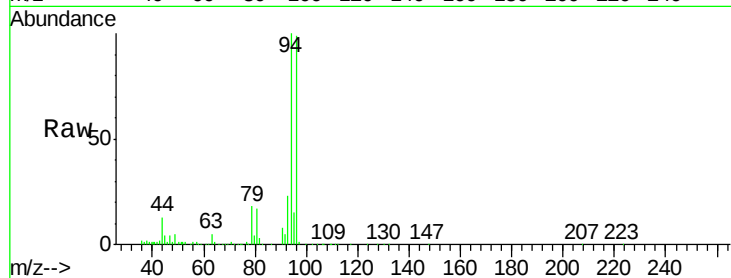
96 98.7 75.5 113.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

20000

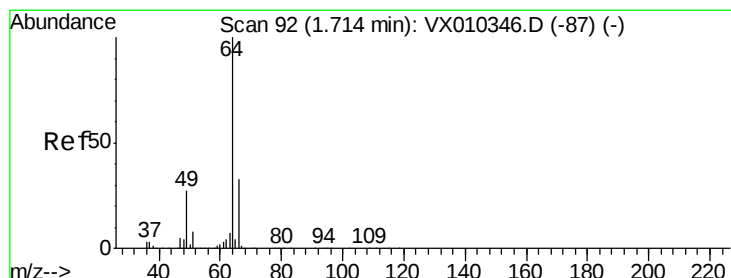
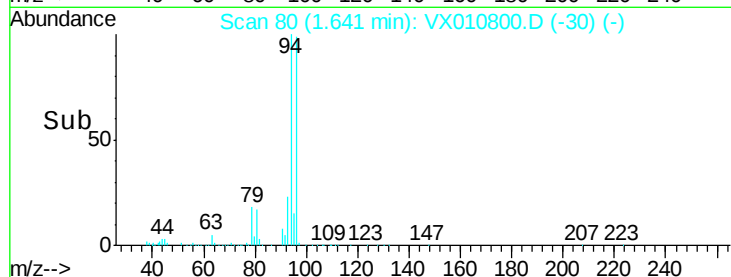
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 22.155 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010800.D

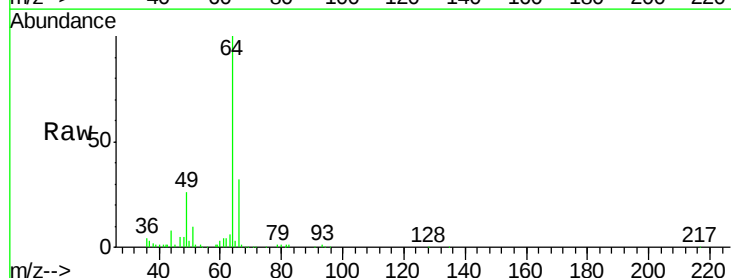
Acq: 11 Jul 2019 12:30

Tgt Ion: 64 Resp: 25299

Ion Ratio Lower Upper

64 100

66 31.7 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

20000

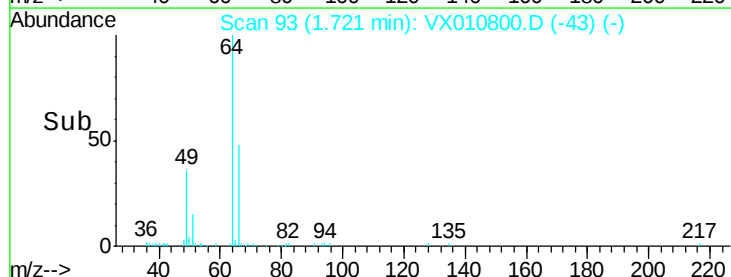
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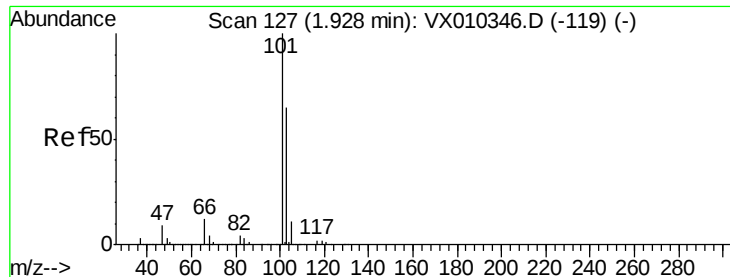
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5000

0

Time-->





#7

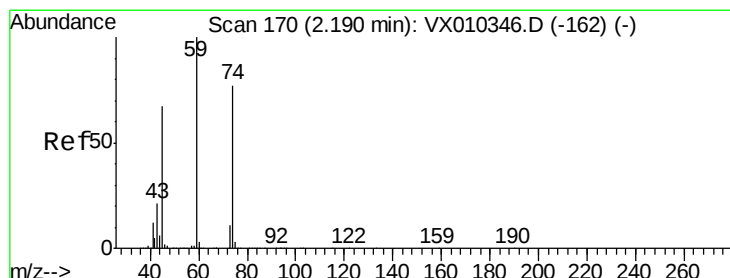
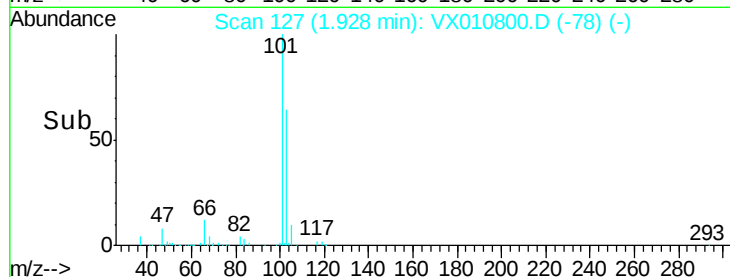
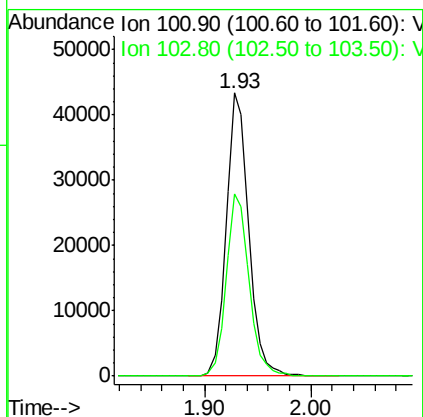
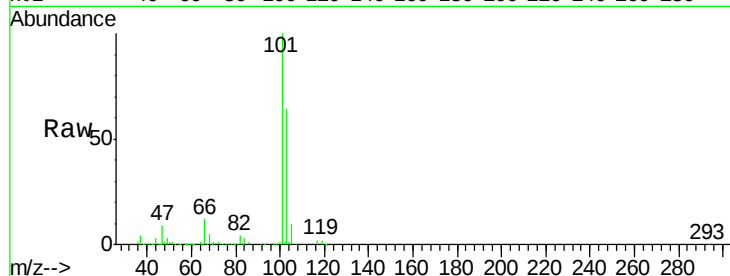
Trichlorofluoromethane
Concen: 20.900 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX010800.D
Acq: 11 Jul 2019 12:30

Instrument :
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ClientSampleId :
VX0711MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.3	78.5

Manual Integrations
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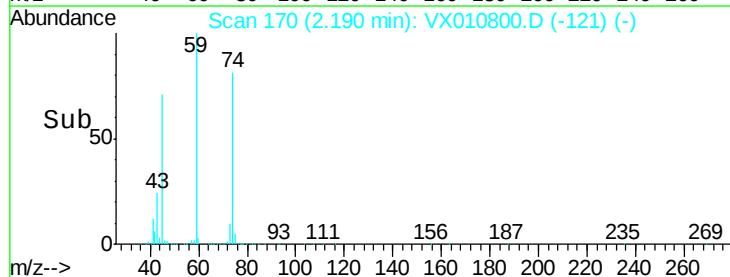
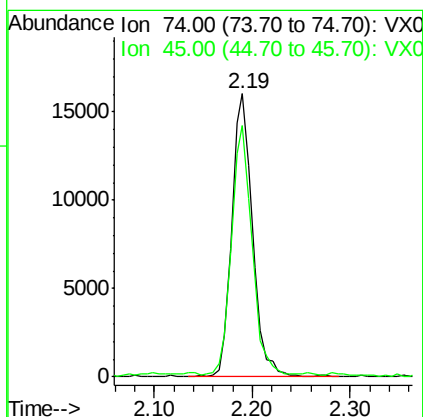
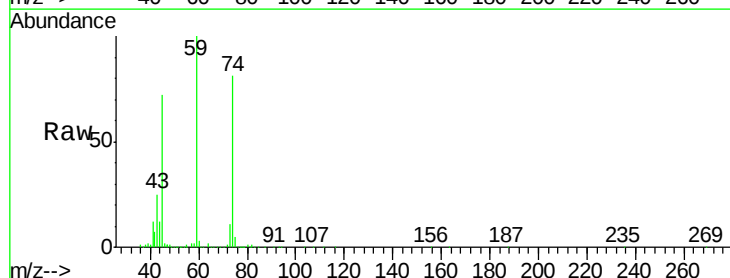
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#8

Diethyl Ether
Concen: 21.415 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX010800.D
Acq: 11 Jul 2019 12:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	87.5	44.8	134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.407 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX010800.D

Acq: 11 Jul 2019 12:30

Instrument :

MSVOA_X

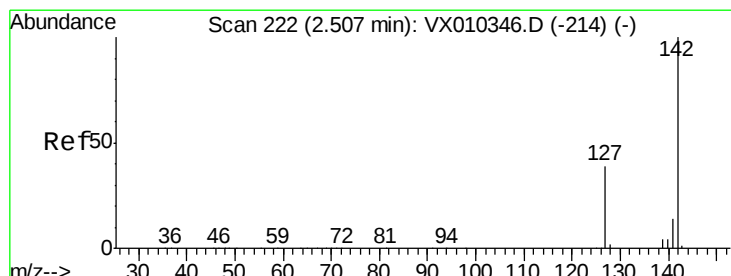
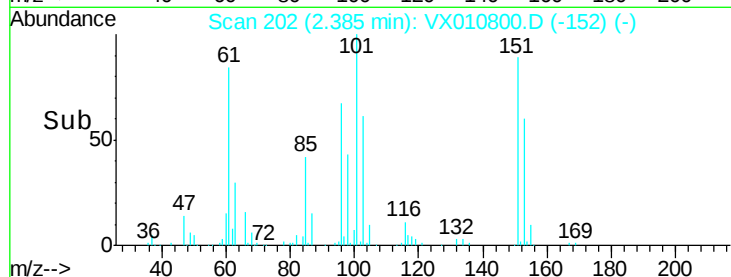
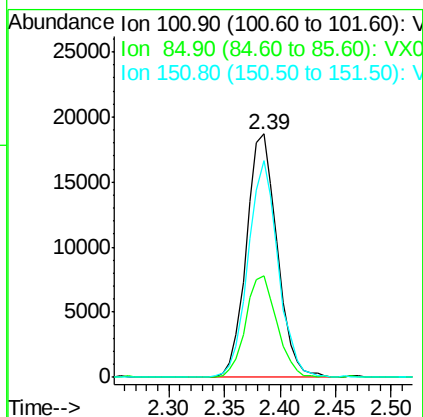
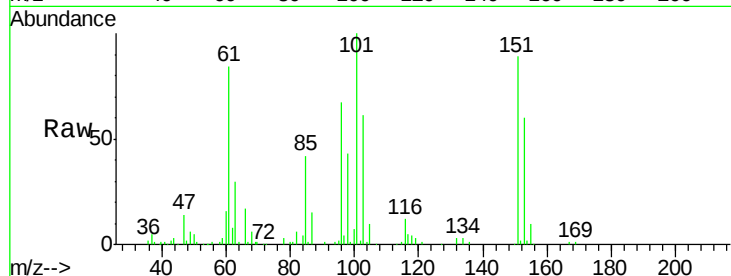
ClientSampleId :

VX0711MBS01

Tot Ion:	101	Resp:	36085
Ion Ratio	Lower	Upper	
101	100		
85	42.7	33.7	50.5
151	86.8	70.1	105.1

Manual Integrations
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#10

Methyl Iodide

Concen: 18.222 ug/l

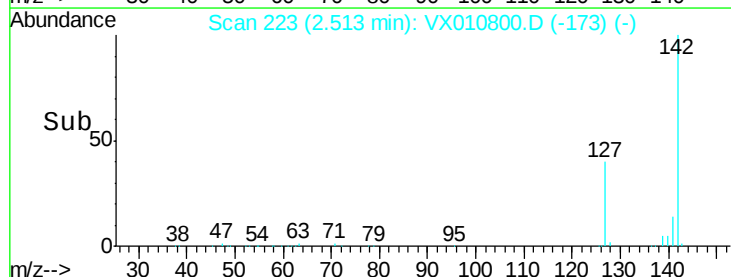
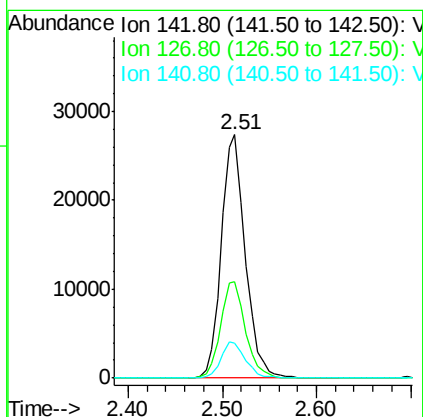
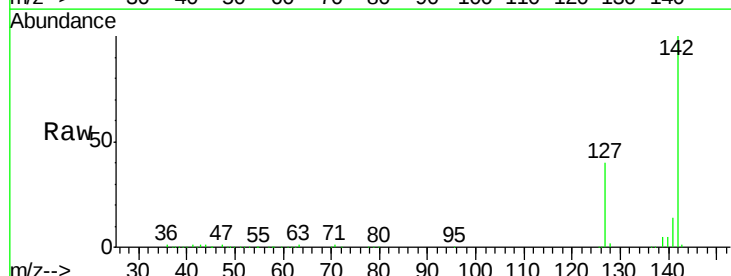
RT: 2.51 min Scan# 223

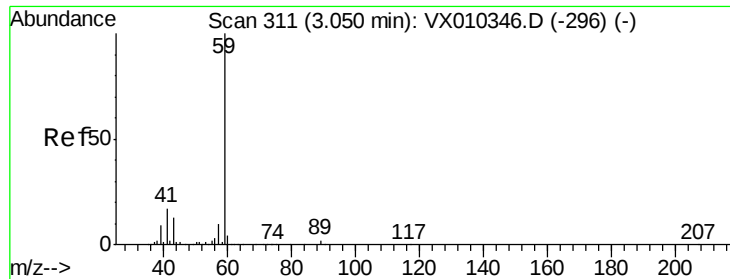
Delta R.T. 0.01 min

Lab File: VX010800.D

Acq: 11 Jul 2019 12:30

Tgt Ion:	142	Resp:	48355
Ion Ratio	Lower	Upper	
142	100		
127	40.9	31.1	46.7
141	15.1	11.2	16.8





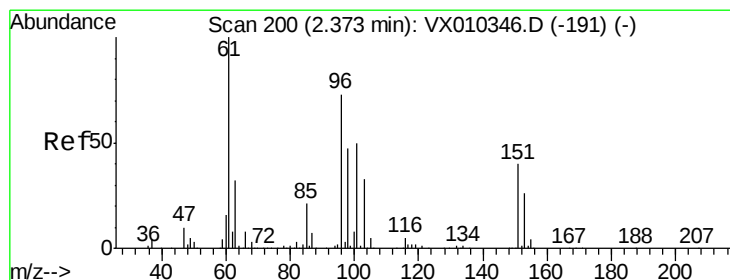
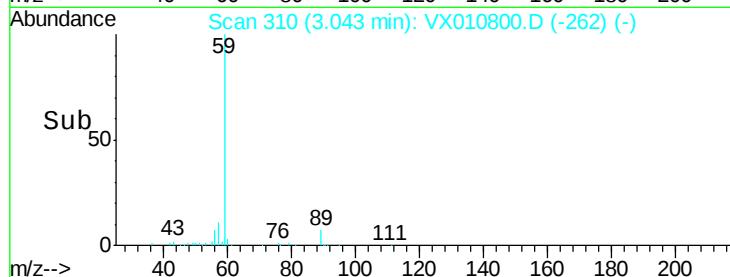
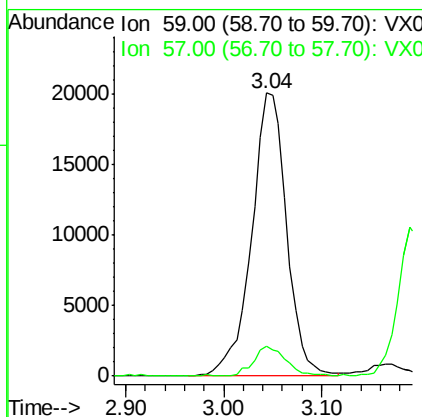
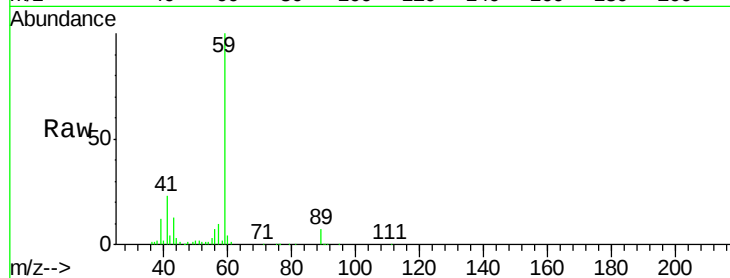
#11
Tert butyl alcohol
Concen: 93.756 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010800.D
Acq: 11 Jul 2019 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0711MBS01

Tot Ion: 59 Resp: 50210
Ion Ratio Lower Upper
59 100
57 9.8 7.7 11.5

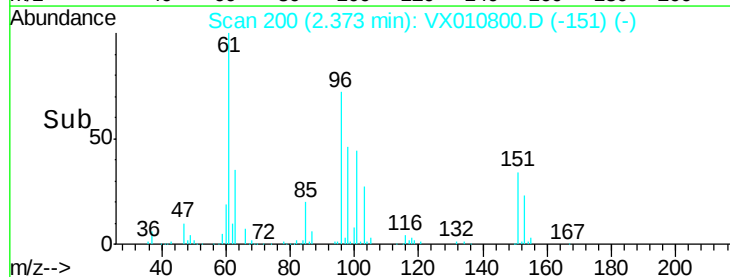
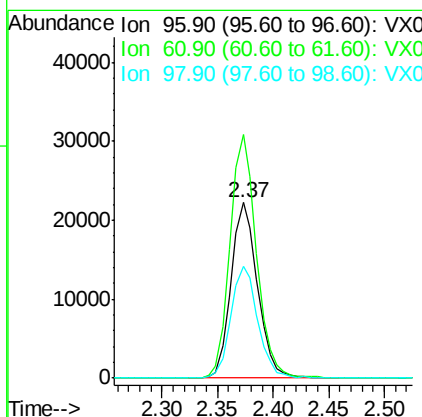
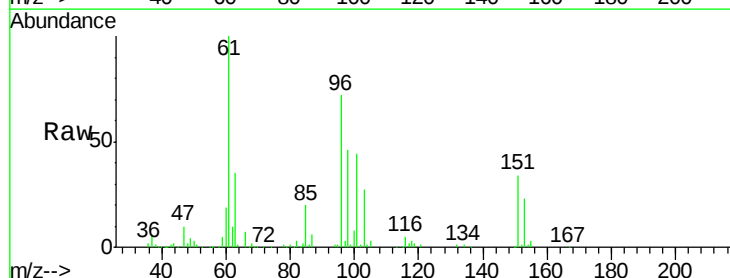
Manual Integrations
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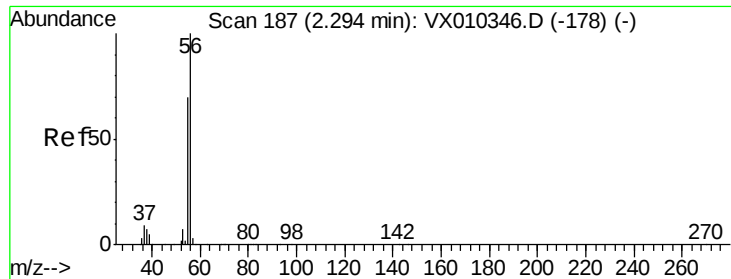
MMDadoda
7/12/2019 12:21:58 PM



#12
1,1-Dichloroethene
Concen: 19.314 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010800.D
Acq: 11 Jul 2019 12:30

Tgt Ion: 96 Resp: 36542
Ion Ratio Lower Upper
96 100
61 138.7 109.2 163.8
98 63.9 51.1 76.7





#13

Acrolein

Concen: 67.964 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010800.D

Acq: 11 Jul 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0711MBS01

Tot Ion: 56 Resp: 24145

Ion Ratio Lower Upper

56 100

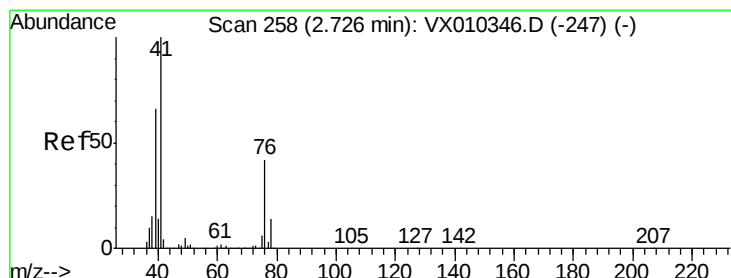
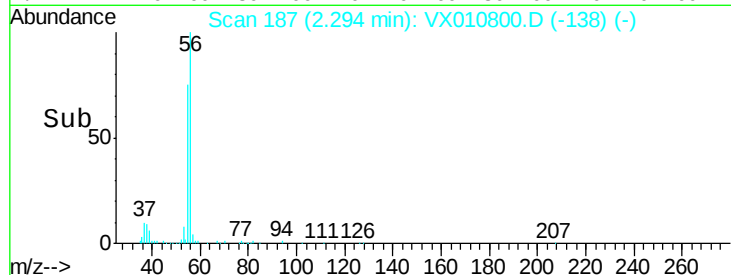
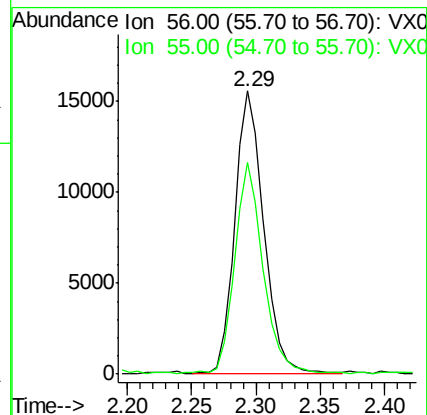
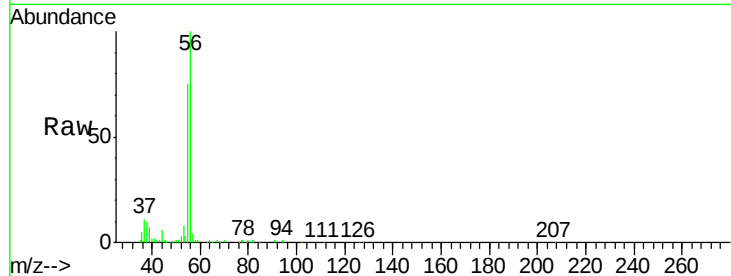
55 75.6 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 18.955 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX010800.D

Acq: 11 Jul 2019 12:30

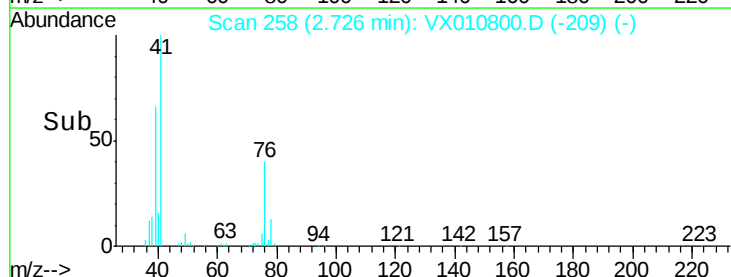
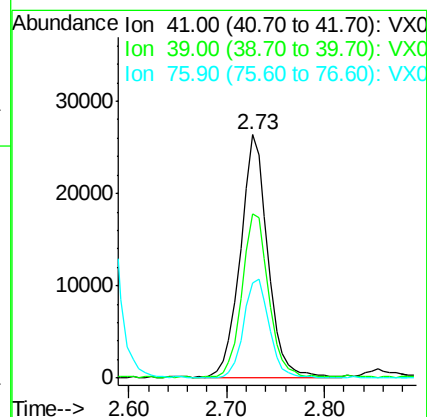
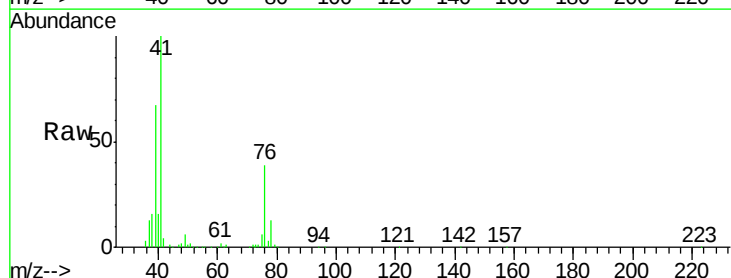
Tgt Ion: 41 Resp: 50917

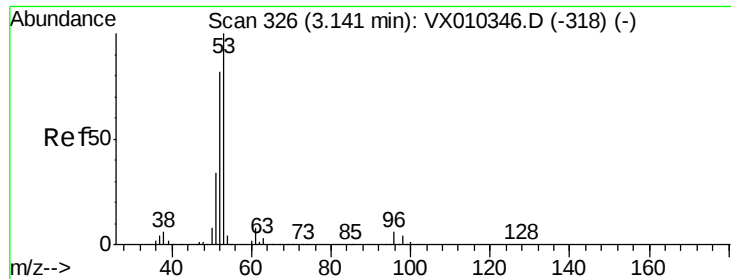
Ion Ratio Lower Upper

41 100

39 65.4 50.3 75.5

76 38.6 31.3 46.9





#15

Acrylonitrile

Concen: 101.088 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX010800.D

Acq: 11 Jul 2019 12:30

Instrument :

MSVOA_X

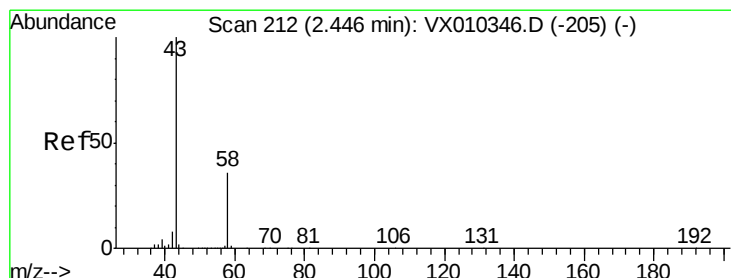
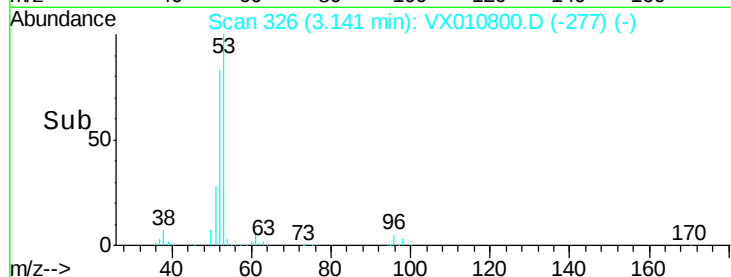
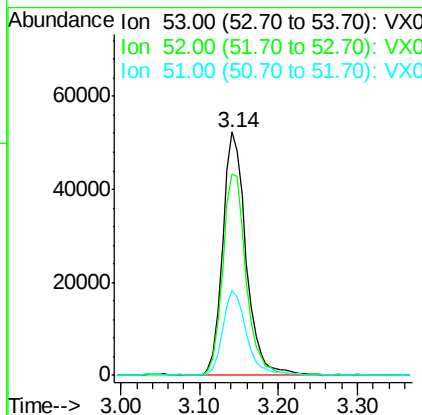
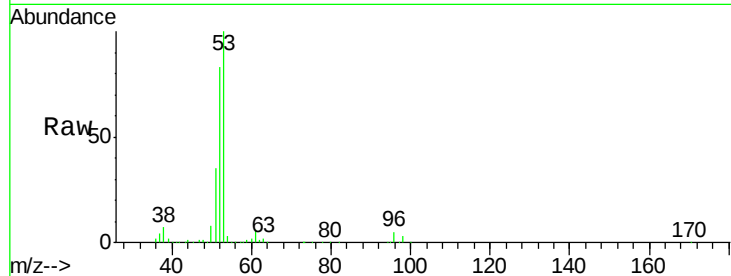
ClientSampleId :

VX0711MBS01

Tot Ion:	53	Resp:	107184
Ion Ratio		Lower	Upper
53	100		
52	83.3	65.5	98.3
51	35.9	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 88.623 ug/l

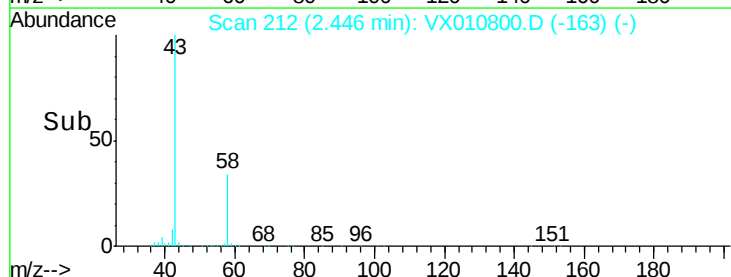
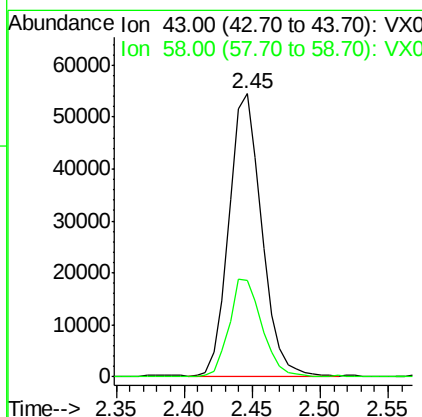
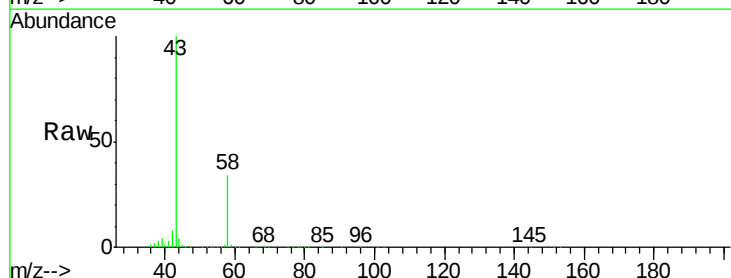
RT: 2.45 min Scan# 212

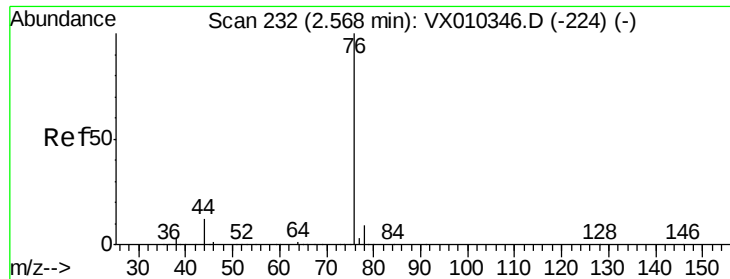
Delta R.T. -0.00 min

Lab File: VX010800.D

Acq: 11 Jul 2019 12:30

Tgt Ion:	43	Resp:	90901
Ion Ratio		Lower	Upper
43	100		
58	34.4	28.9	43.3





#17

Carbon Disulfide

Concen: 16.700 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX010800.D

Acq: 11 Jul 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0711MBS01

Tot Ion: 76 Resp: 84769

Ion Ratio Lower Upper

76 100

78 10.5

7.3

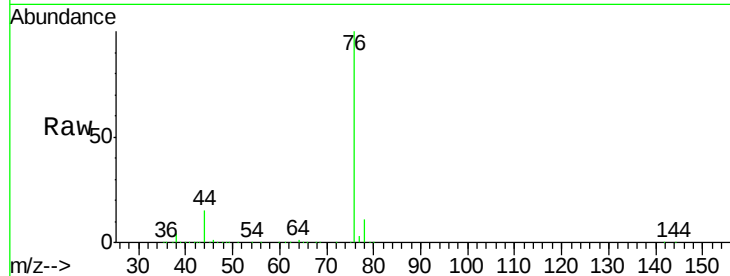
10.9

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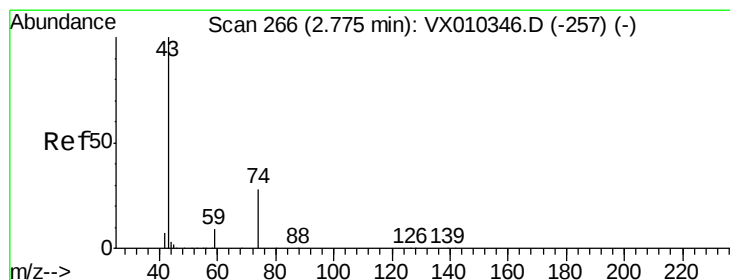
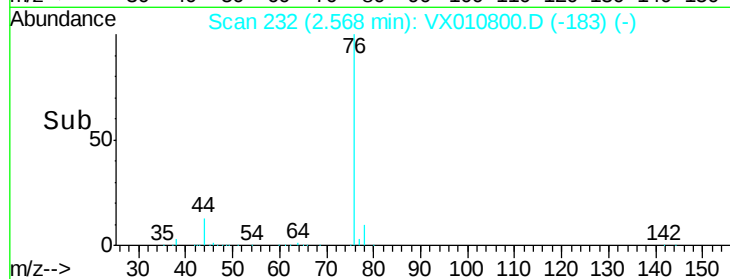
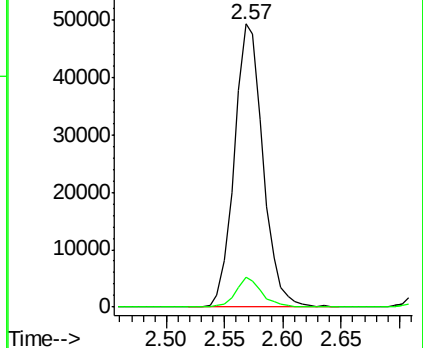
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 21.078 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX010800.D

Acq: 11 Jul 2019 12:30

Tgt Ion: 43 Resp: 43090

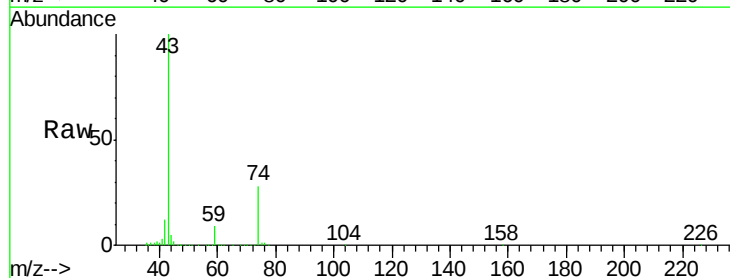
Ion Ratio Lower Upper

43 100

74 27.0

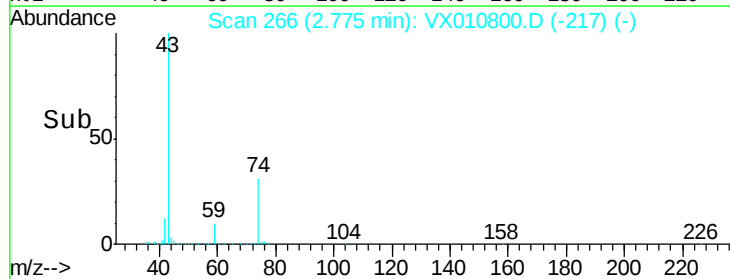
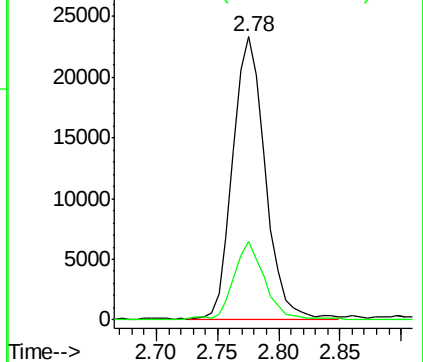
21.3

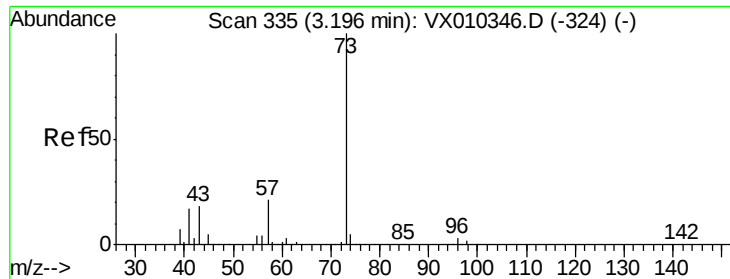
31.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





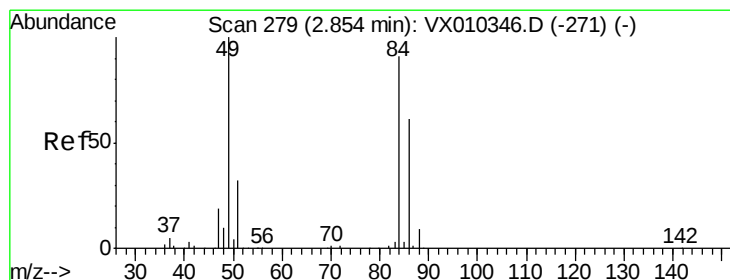
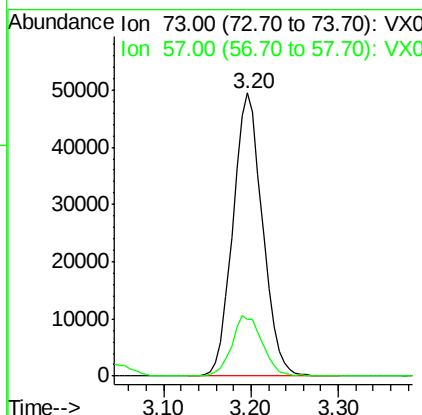
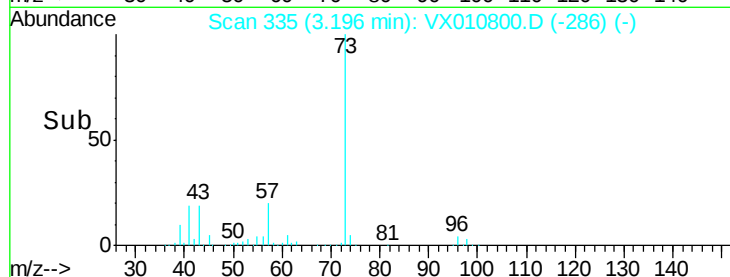
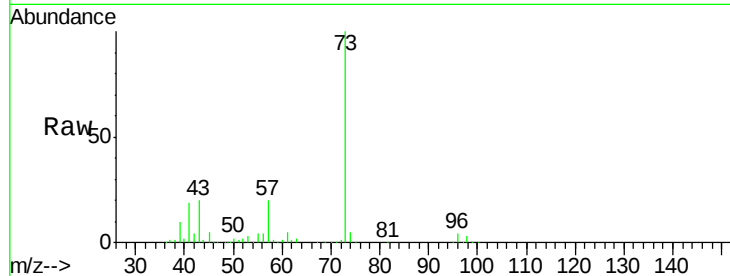
#19
Methyl tert-butyl Ether
Concen: 19.561 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX010800.D
Acq: 11 Jul 2019 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0711MBS01

Tot Ion: 73 Resp: 116430
Ion Ratio Lower Upper
73 100
57 20.2 16.4 24.6

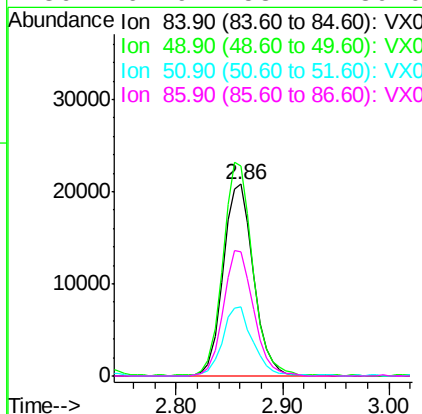
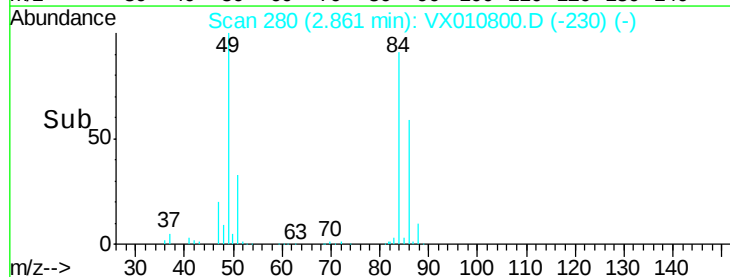
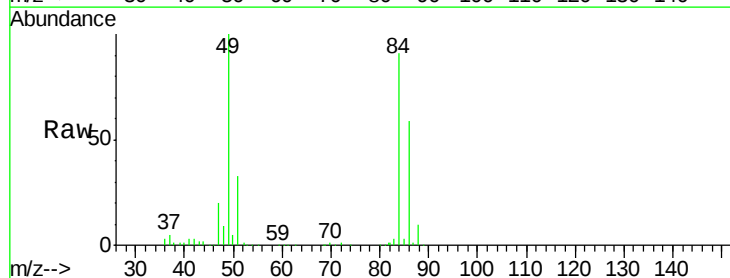
Manual Integrations
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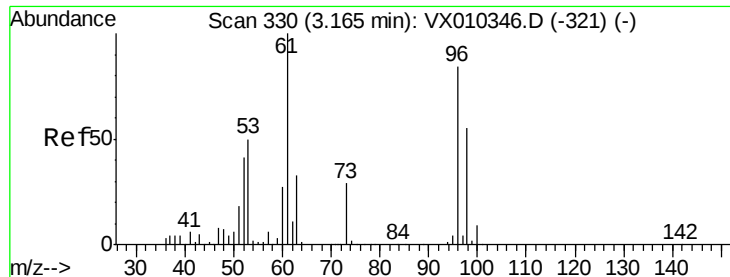
MMDadoda
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#20
Methylene Chloride
Concen: 19.693 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX010800.D
Acq: 11 Jul 2019 12:30

Tgt Ion: 84 Resp: 41570
Ion Ratio Lower Upper
84 100
49 109.2 87.5 131.3
51 36.2 27.7 41.5
86 64.9 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 19.059 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX010800.D

Acq: 11 Jul 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0711MBS01

Tot Ion: 96 Resp: 38783

Ion Ratio Lower Upper

96 100

61 120.3 95.6 143.4

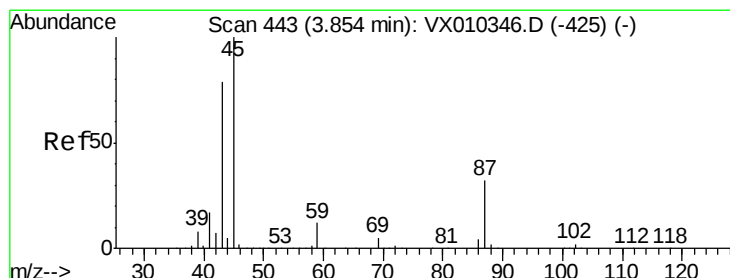
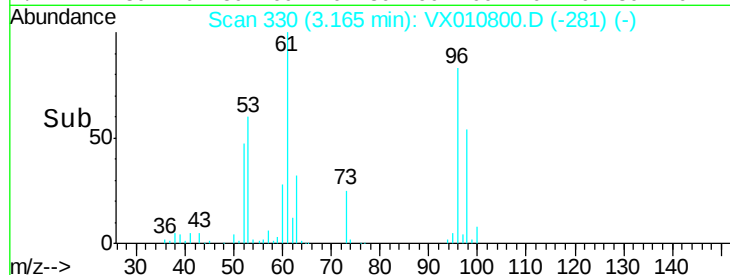
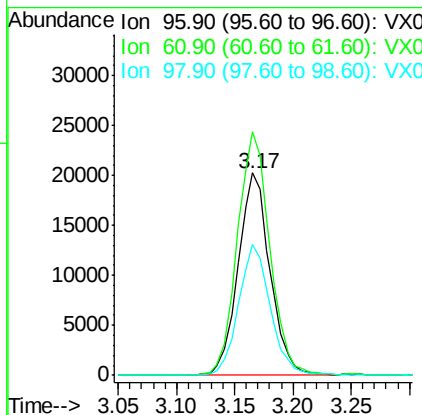
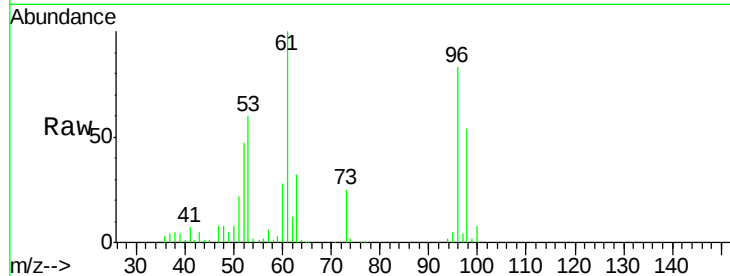
98 64.6 52.5 78.7

Manual Integrations

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#22

Diisopropyl ether

Concen: 19.884 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX010800.D

Acq: 11 Jul 2019 12:30

Tgt Ion: 45 Resp: 111672

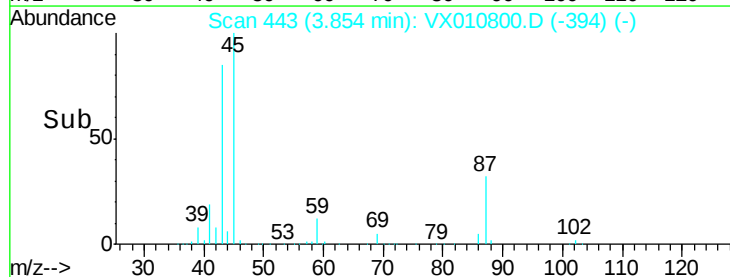
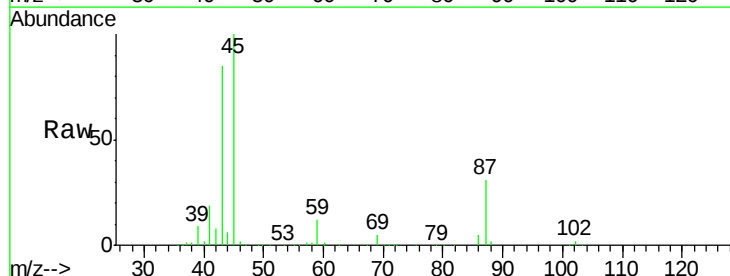
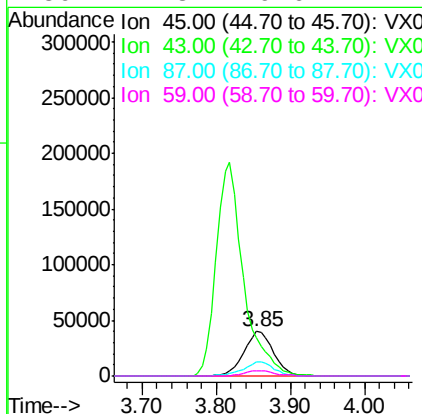
Ion Ratio Lower Upper

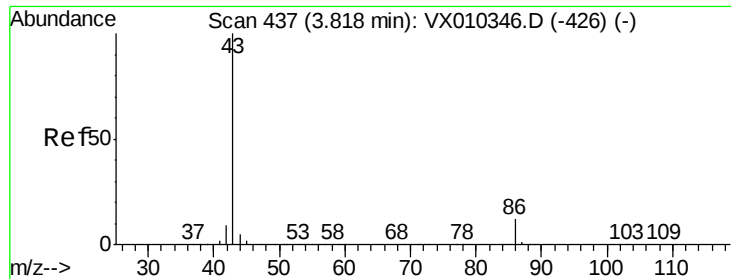
45 100

43 84.3 63.3 94.9

87 31.4 25.8 38.8

59 12.3 9.6 14.4





#23

Vinyl Acetate

Concen: 100.384 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX010800.D

Acq: 11 Jul 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0711MBS01

Tot Ion: 43 Resp: 487035

Ion Ratio Lower Upper

43 100

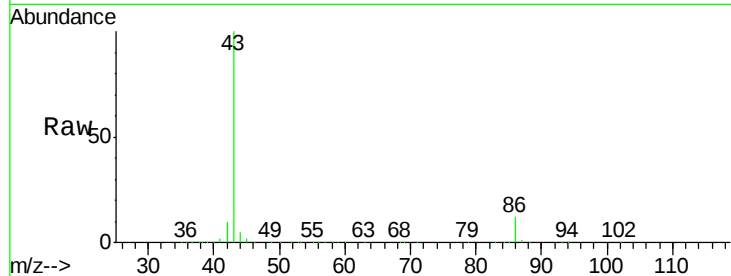
86 11.7 9.9 14.9

Manual Integrations

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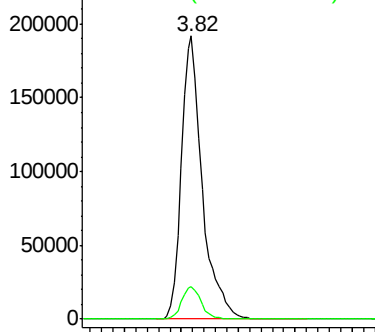
MMDadoda

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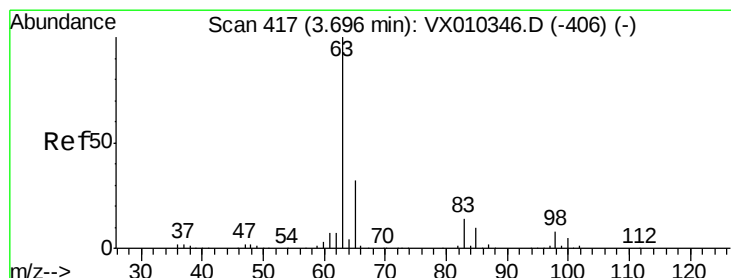
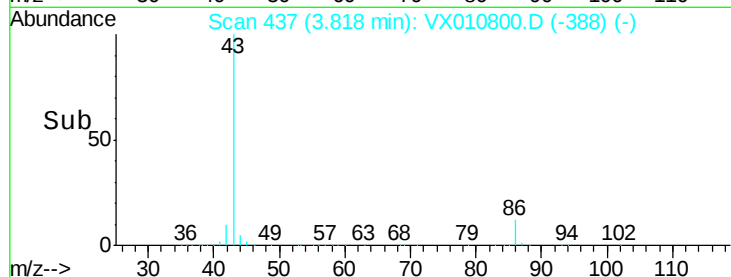


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time-->



#24

1,1-Dichloroethane

Concen: 19.561 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010800.D

Acq: 11 Jul 2019 12:30

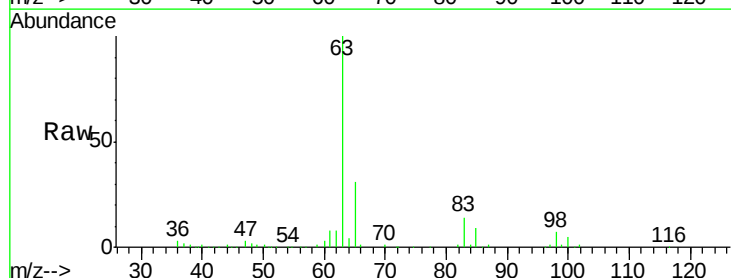
Tgt Ion: 63 Resp: 63500

Ion Ratio Lower Upper

63 100

98 6.9 3.9 11.7

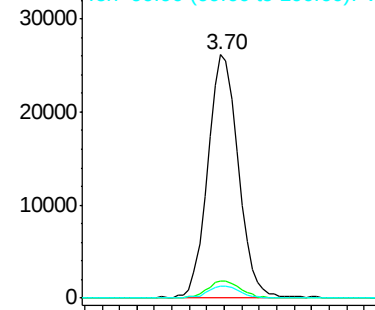
100 5.0 2.4 7.1



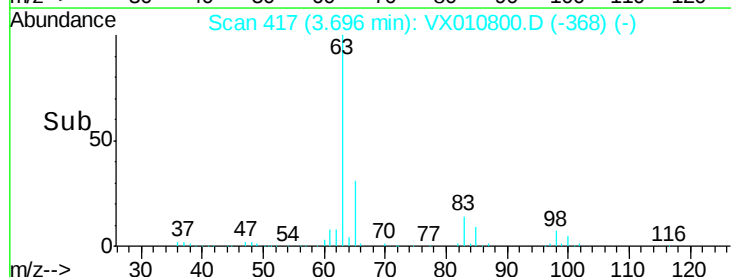
Abundance Ion 62.90 (62.60 to 63.60): VX0

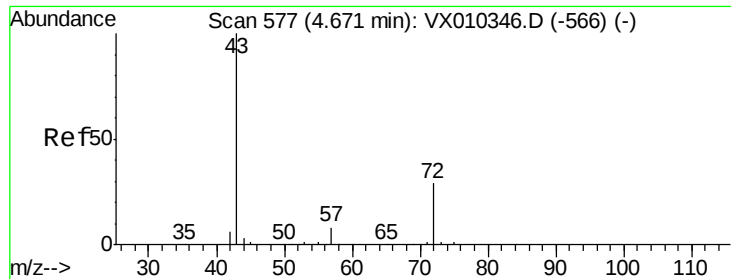
Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time-->





#25

2-Butanone

Concen: 95.532 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010800.D

Acq: 11 Jul 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0711MBS01

Tot Ion: 43 Resp: 143736

Ion Ratio Lower Upper

43 100

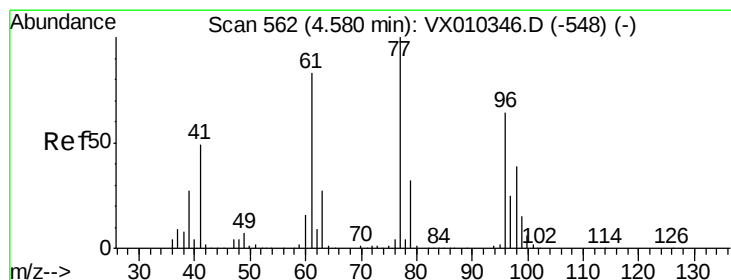
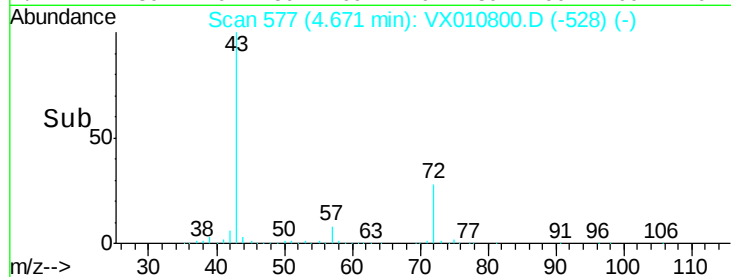
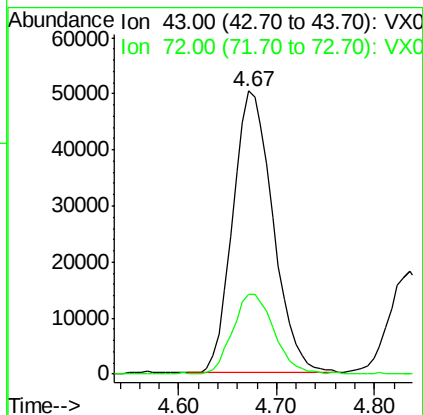
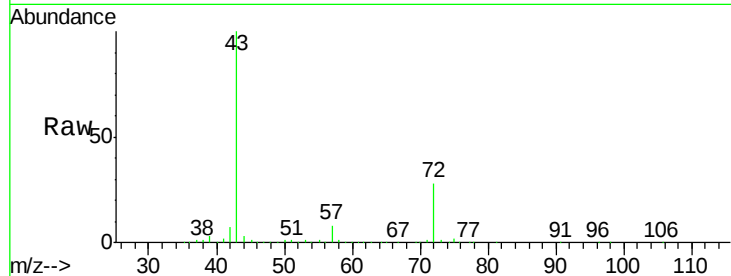
72 27.9 23.3 34.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 17.015 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX010800.D

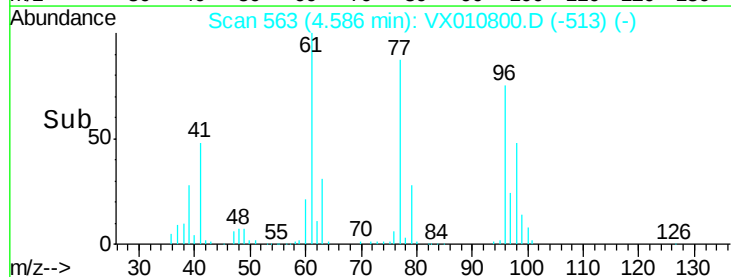
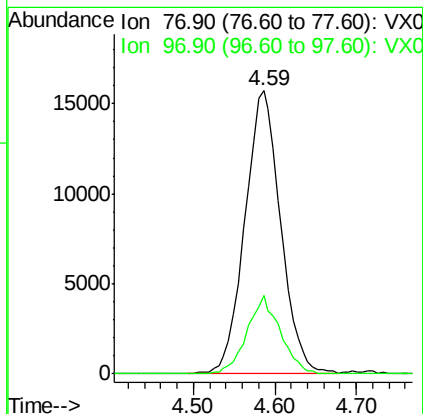
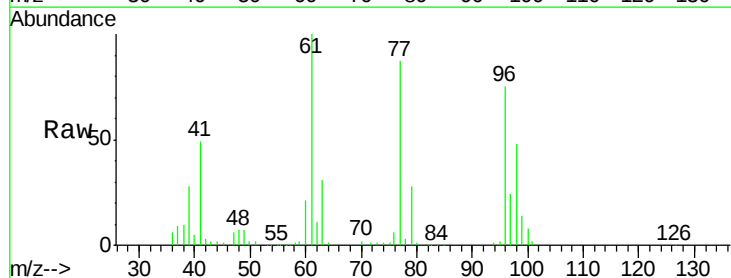
Acq: 11 Jul 2019 12:30

Tgt Ion: 77 Resp: 47984

Ion Ratio Lower Upper

77 100

97 25.7 13.1 39.3





#27

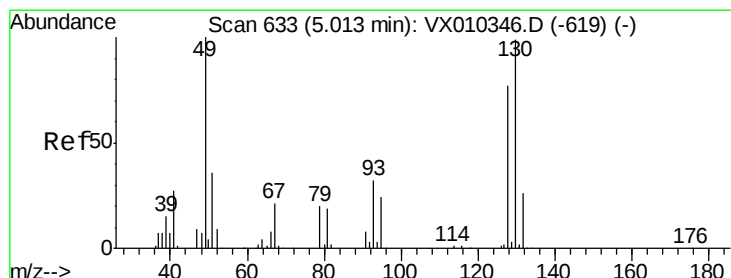
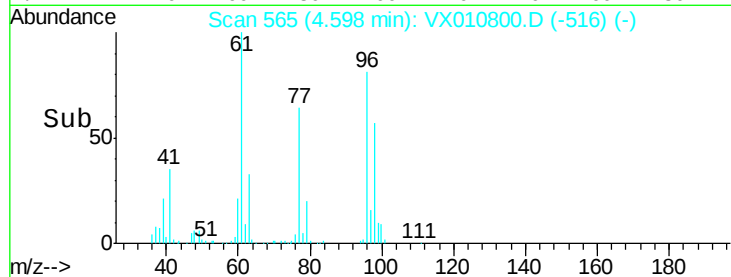
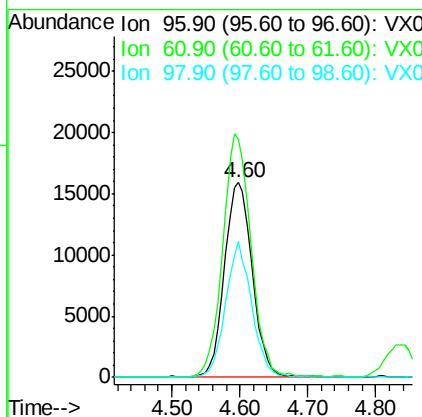
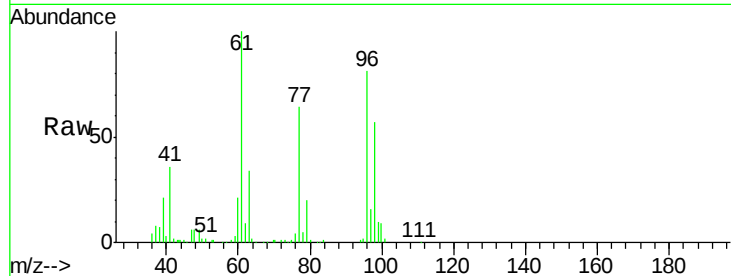
cis-1,2-Dichloroethene
Concen: 19.208 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX010800.D
Acq: 11 Jul 2019 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0711MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.8	0.0	251.8
98	65.0	0.0	129.4

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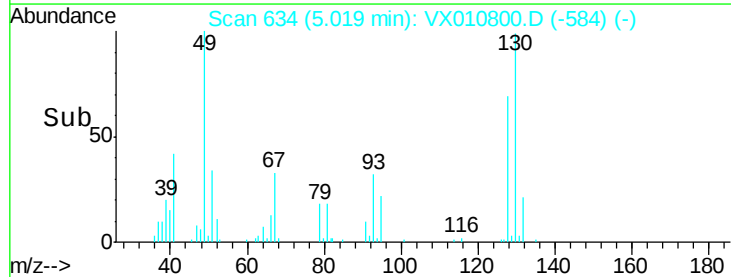
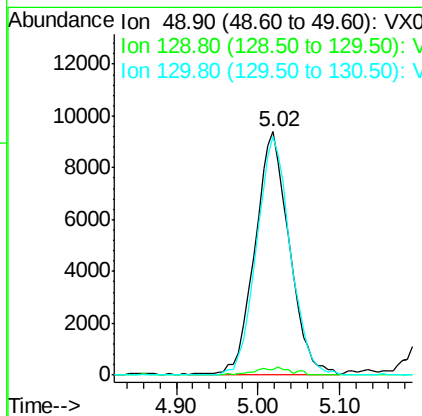
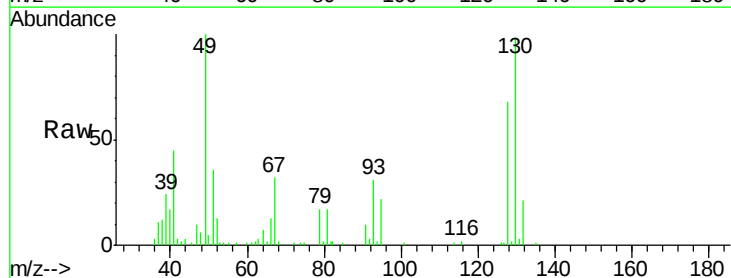
MMDadoda
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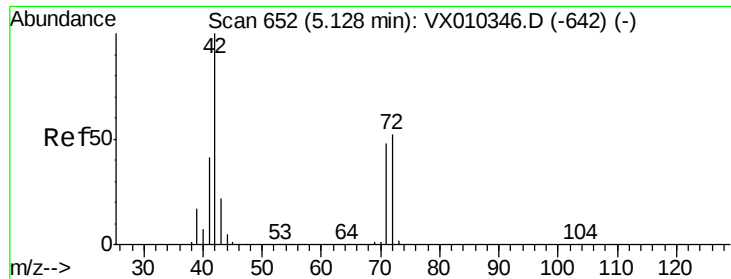


#28

Bromochloromethane
Concen: 17.810 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX010800.D
Acq: 11 Jul 2019 12:30

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.2	0.0	5.6
130	96.0	81.4	122.0





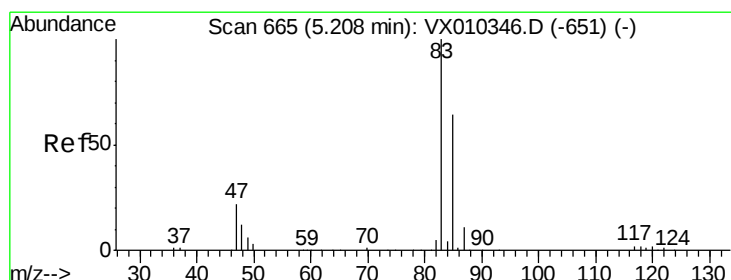
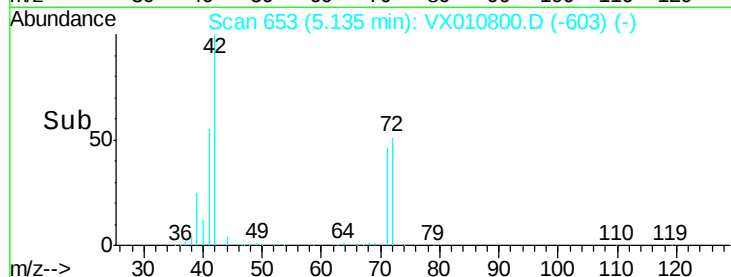
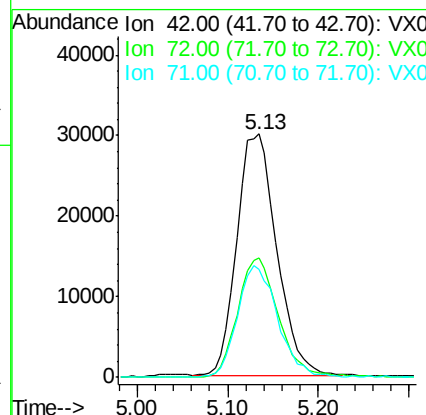
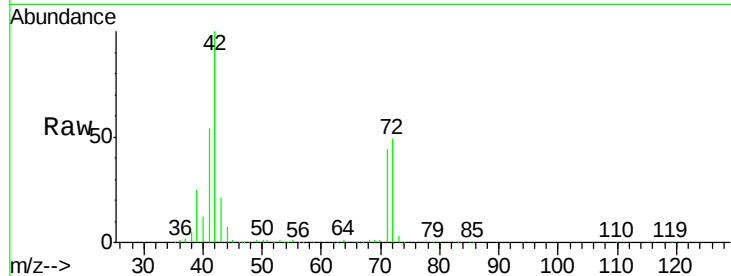
#29
Tetrahydrofuran
Concen: 97.999 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX010800.D
Acq: 11 Jul 2019 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0711MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.7	40.6	60.8
71	46.8	37.8	56.8

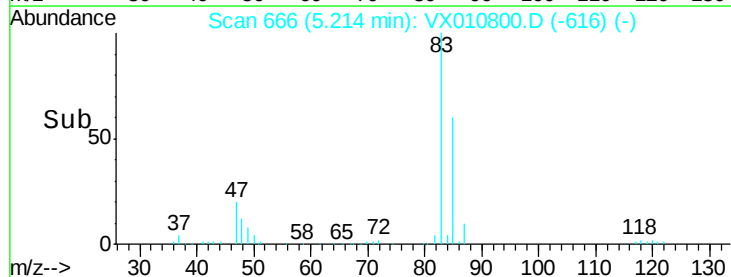
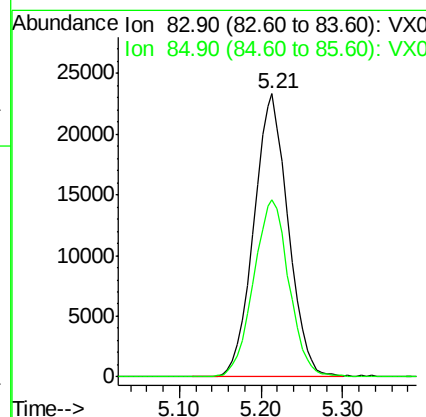
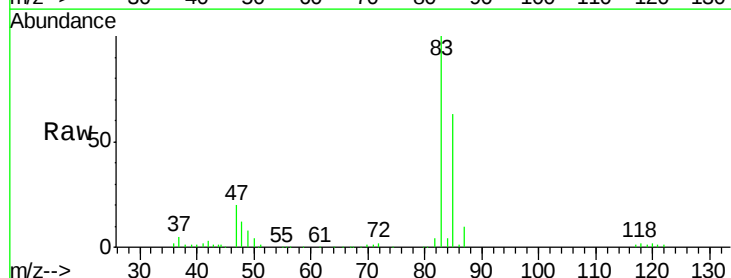
Manual Integrations
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#30
Chloroform
Concen: 19.557 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX010800.D
Acq: 11 Jul 2019 12:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.9	76.3





#31

Cyclohexane

Concen: 19.465 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX010800.D

Acq: 11 Jul 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0711MBS01

Tot Ion: 56 Resp: 57543

Ion Ratio Lower Upper

56 100

69 31.4 25.9 38.9

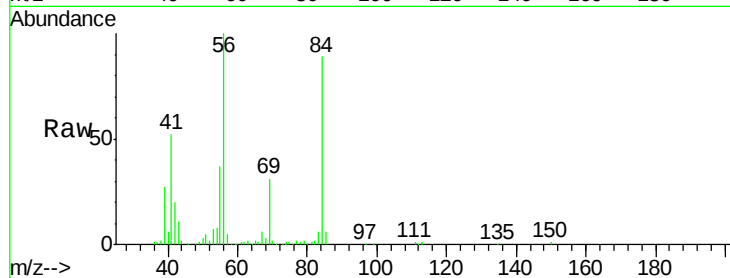
84 86.7 78.0 117.0

Manual Integrations

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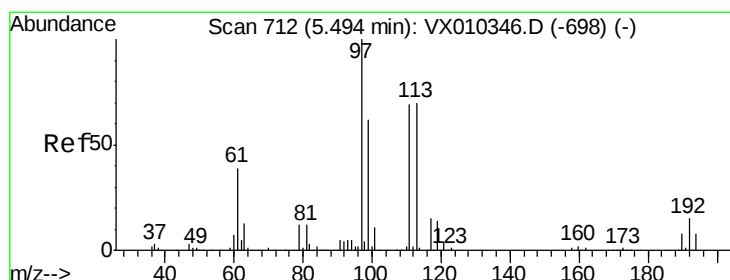
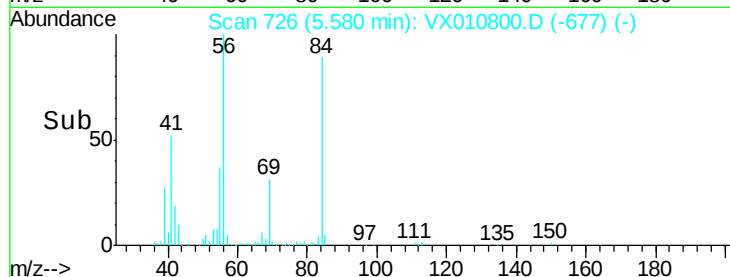
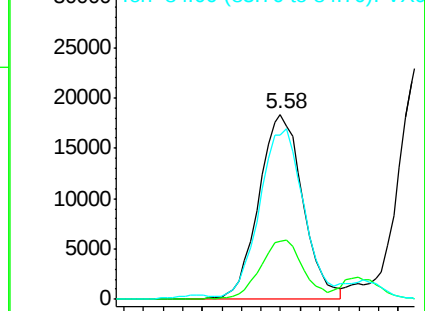
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 19.191 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX010800.D

Acq: 11 Jul 2019 12:30

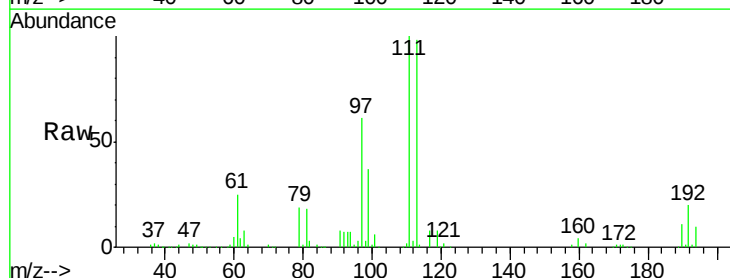
Tgt Ion: 97 Resp: 59189

Ion Ratio Lower Upper

97 100

99 63.8 51.8 77.8

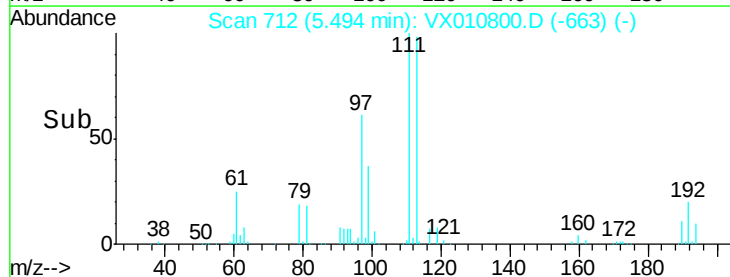
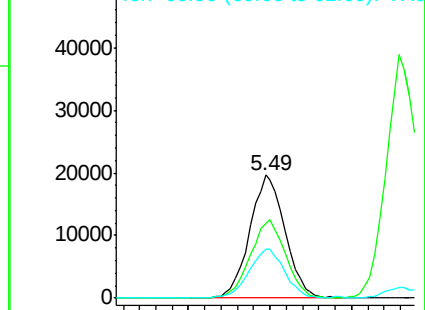
61 40.3 32.1 48.1

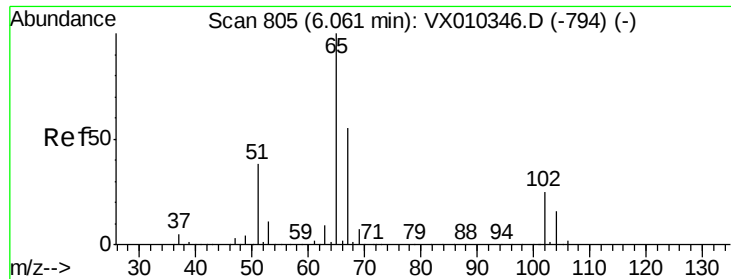


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





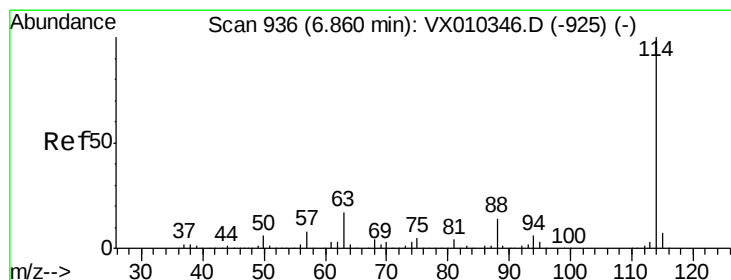
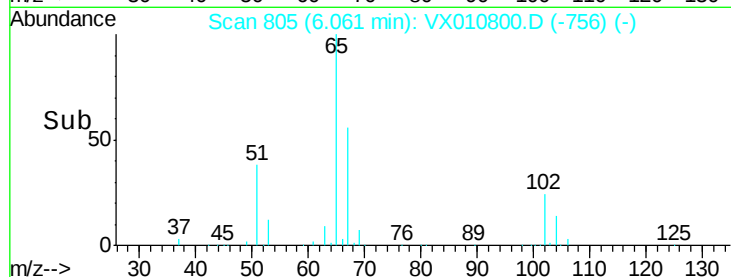
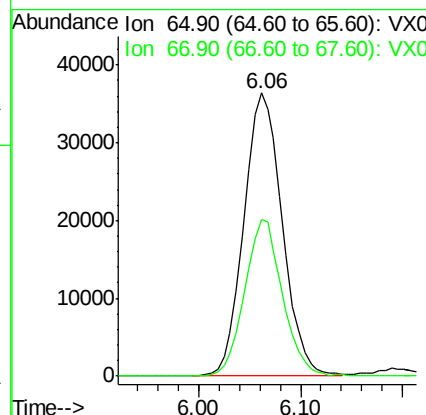
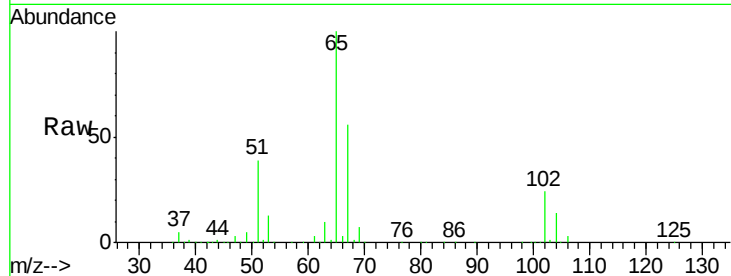
#33
 1,2-Dichloroethane-d4
 Concen: 46.560 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX010800.D
 Acq: 11 Jul 2019 12:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711MBS01

Tot Ion: 65 Resp: 95291
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 110.2

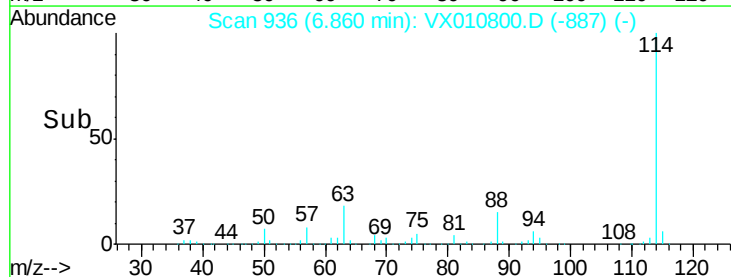
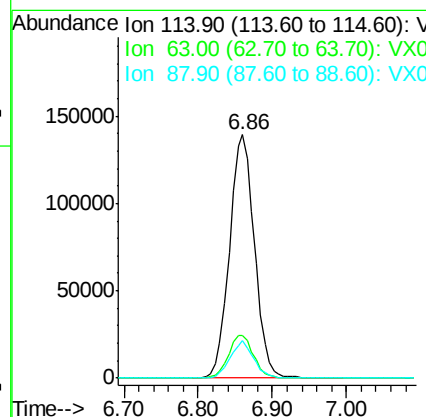
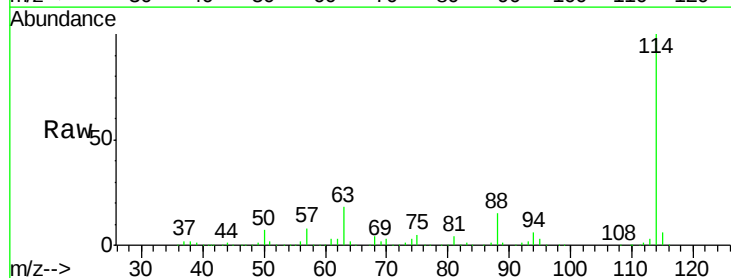
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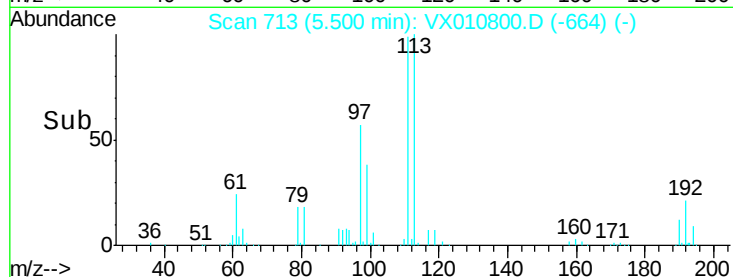
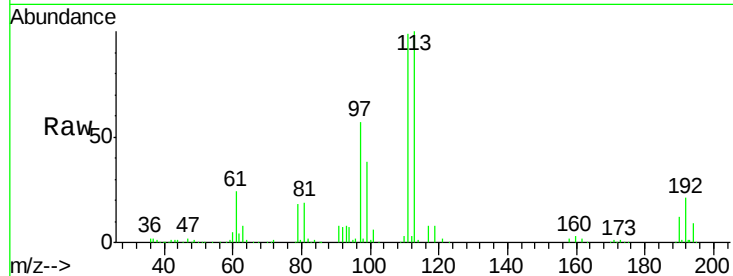
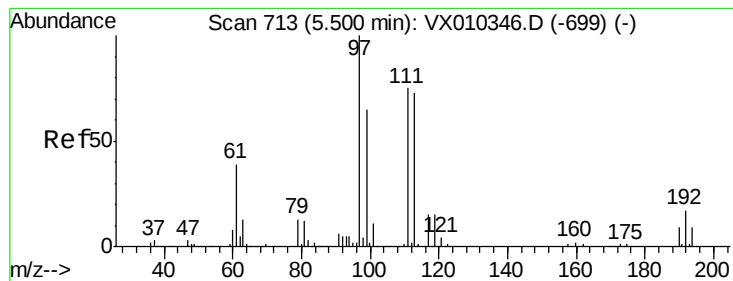
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010800.D
 Acq: 11 Jul 2019 12:30

Tgt Ion: 114 Resp: 326342
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 33.8
 88 15.3 0.0 27.6





#35

Dibromofluoromethane

Concen: 45.813 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010800.D

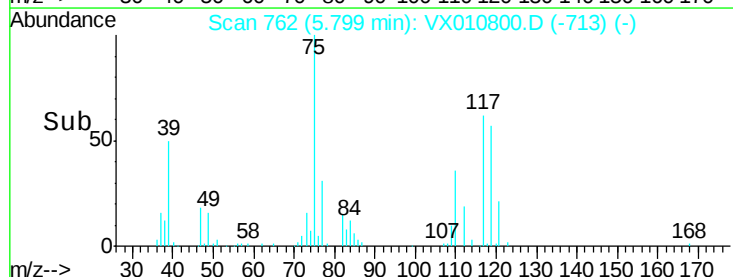
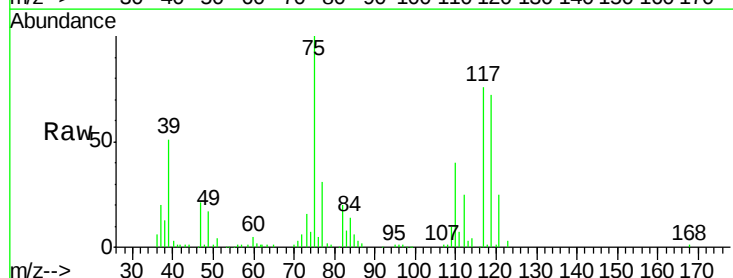
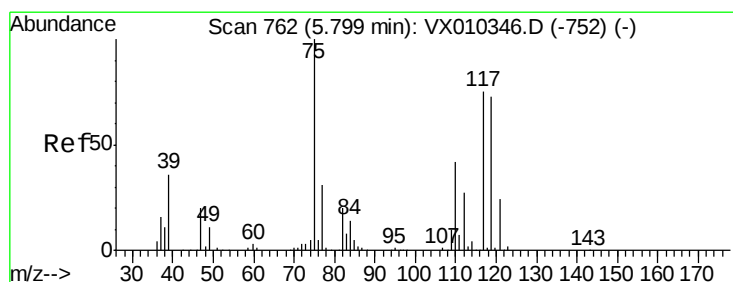
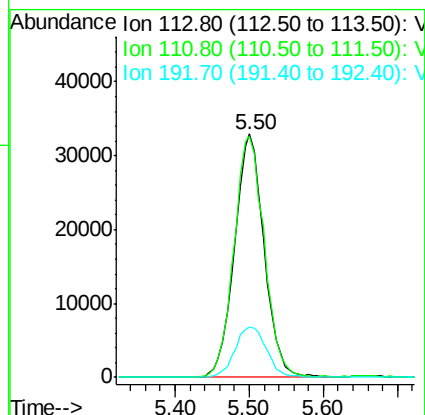
Acq: 11 Jul 2019 12:30

Tot Ion:	113	Resp:	91474
Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.2	121.8
192	22.1	18.6	27.8

Instrument :
MSVOA_X
ClientSampleId :
VX0711MBS01

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#36

1,1-Dichloropropene

Concen: 18.691 ug/l

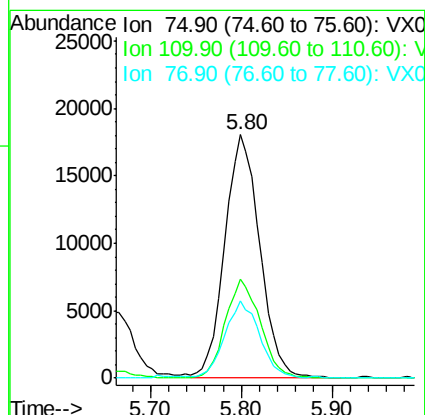
RT: 5.80 min Scan# 762

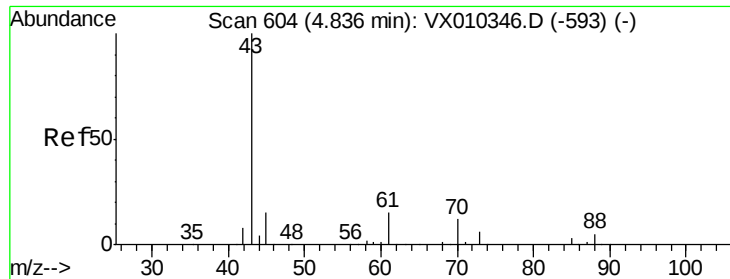
Delta R.T. -0.00 min

Lab File: VX010800.D

Acq: 11 Jul 2019 12:30

Tgt Ion:	75	Resp:	48471
Ion	Ratio	Lower	Upper
75	100		
110	40.6	20.8	62.2
77	31.2	25.4	38.0





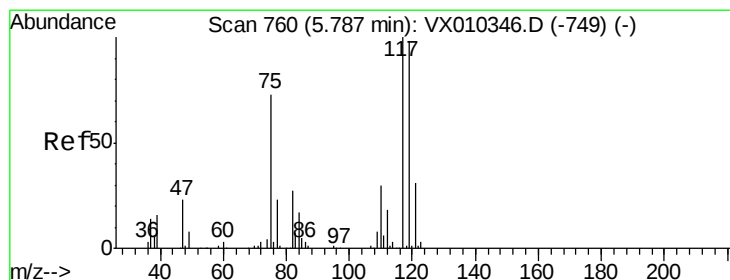
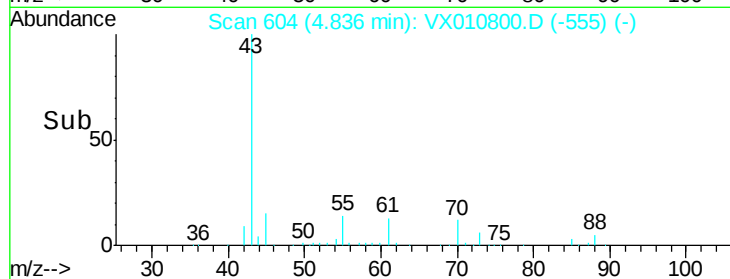
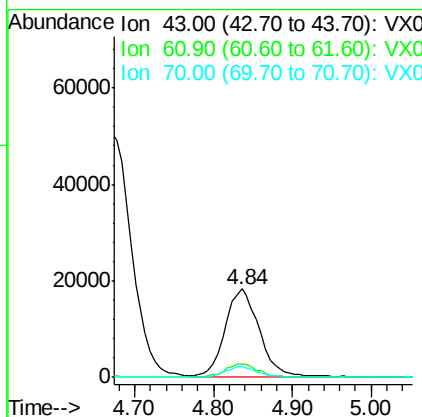
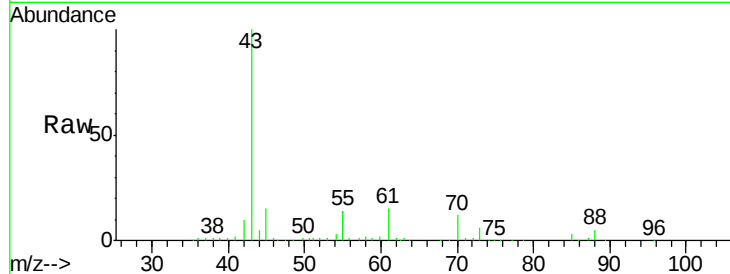
#37
Ethyl Acetate
Concen: 20.512 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX010800.D
Acq: 11 Jul 2019 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0711MBS01

Tot Ion	43	Resp	54724
Ion Ratio	100	Lower	Upper
43	100		
61	15.3	12.4	18.6
70	11.4	9.8	14.8

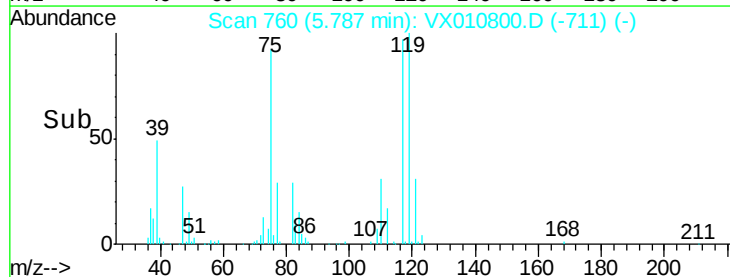
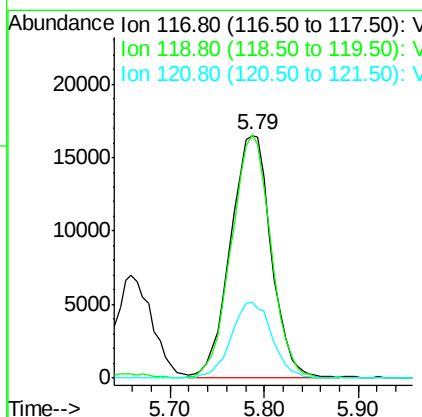
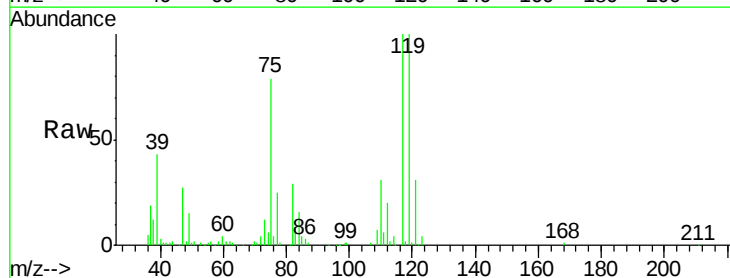
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#38
Carbon Tetrachloride
Concen: 17.761 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX010800.D
Acq: 11 Jul 2019 12:30

Tgt Ion	117	Resp	49876
Ion Ratio	100	Lower	Upper
117	100		
119	99.8	78.2	117.4
121	31.3	24.7	37.1





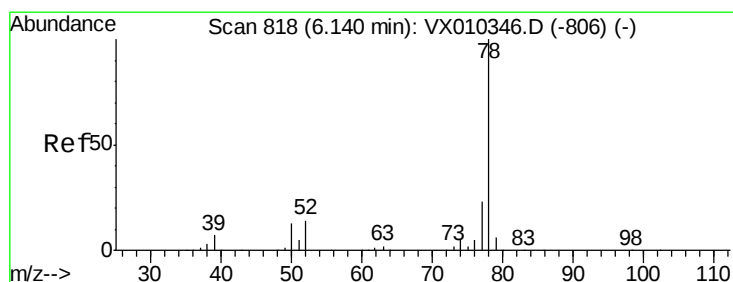
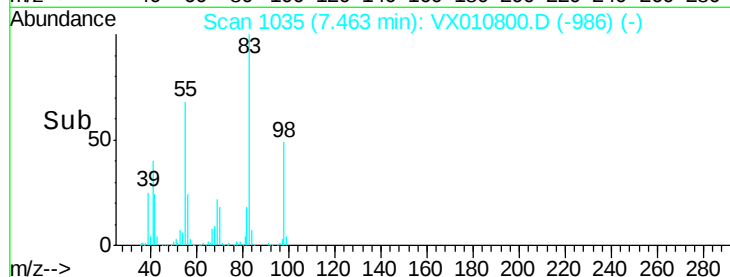
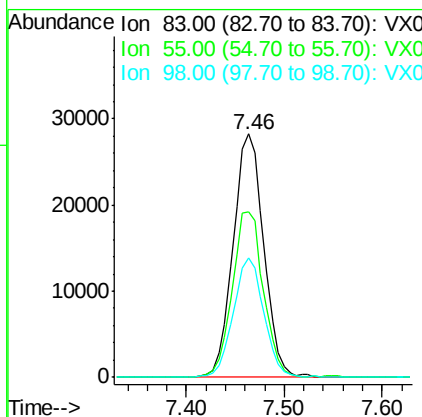
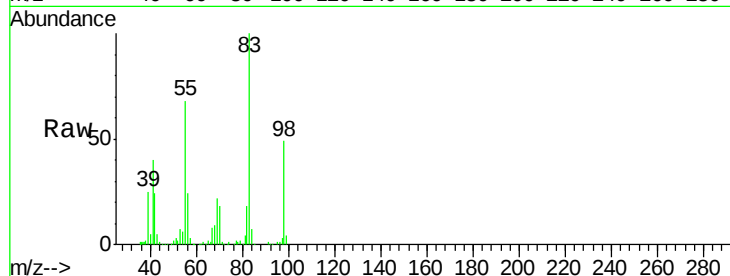
#39
Methvlcvclohexane
Concen: 17.972 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010800.D
Acq: 11 Jul 2019 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0711MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.2	53.0	79.6
98	49.2	37.8	56.8

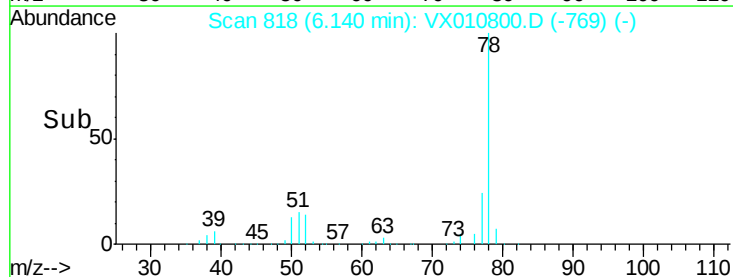
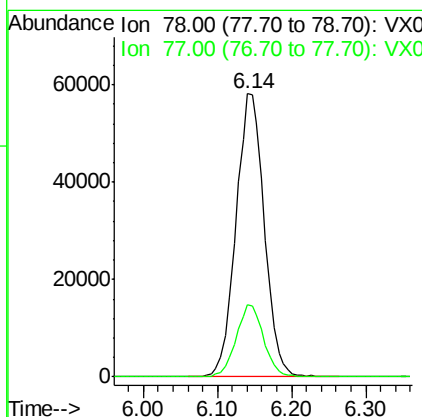
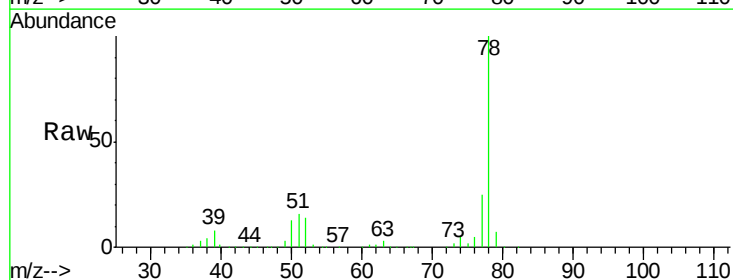
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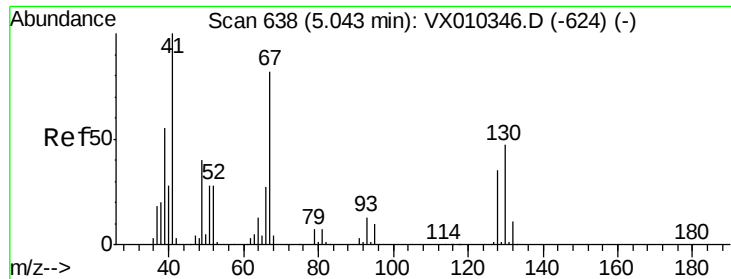
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#40
Benzene
Concen: 19.195 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010800.D
Acq: 11 Jul 2019 12:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.4	18.6	28.0





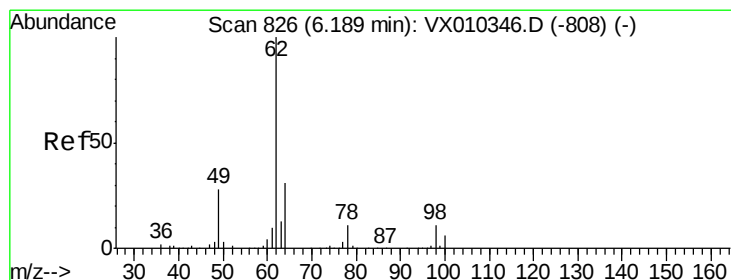
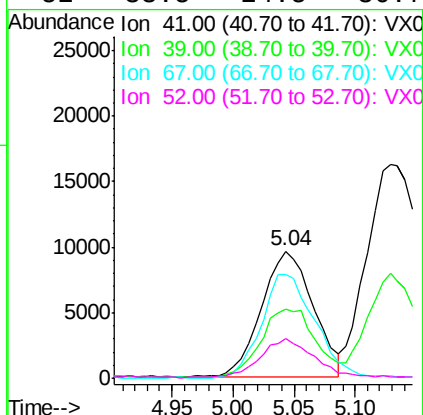
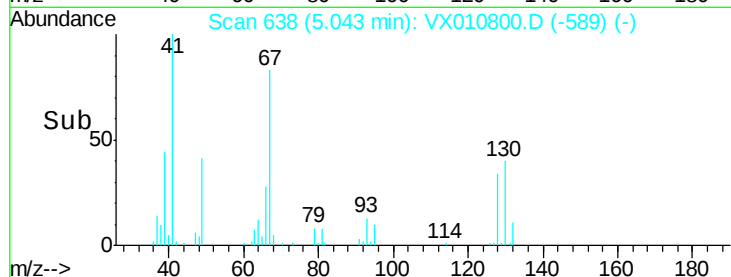
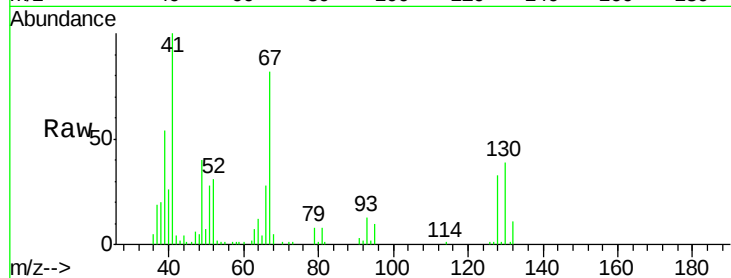
#41
Methacrylonitrile
Concen: 19.479 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX010800.D
Acq: 11 Jul 2019 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0711MBS01

Tot Ion	Ion	Ratio	Lower	Upper
28514	41	100		
	39	57.3	43.8	65.8
	67	85.7	66.6	100.0
	52	33.5	24.5	36.7

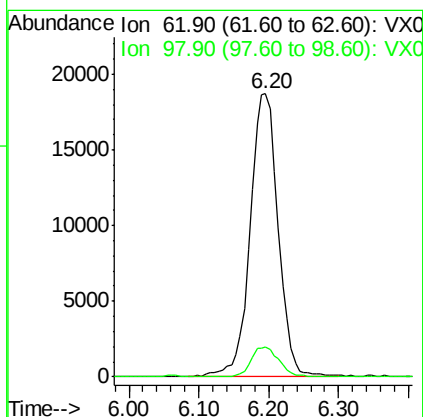
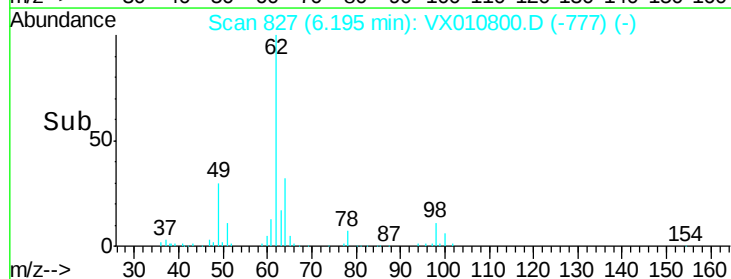
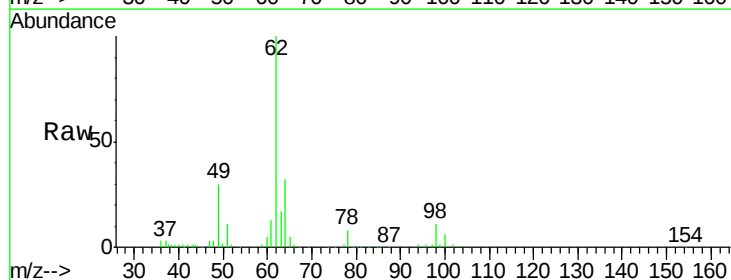
Manual Integrations
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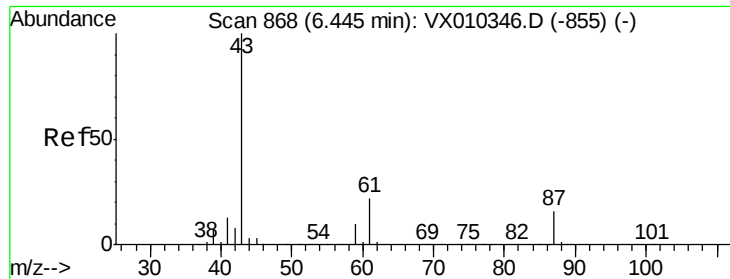
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#42
1,2-Dichloroethane
Concen: 21.171 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX010800.D
Acq: 11 Jul 2019 12:30

Tgt Ion	Ion	Ratio	Lower	Upper
52067	62	100		
	98	10.4	0.0	22.2





#43

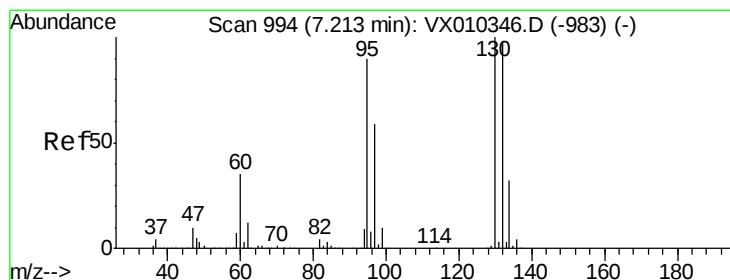
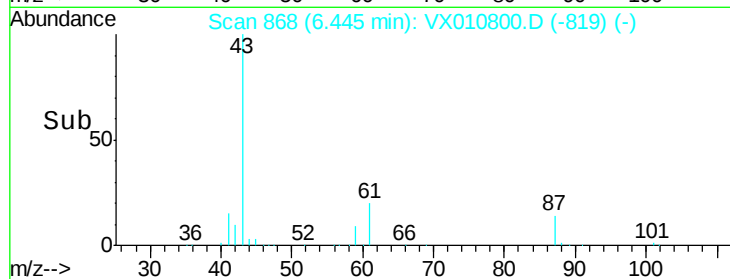
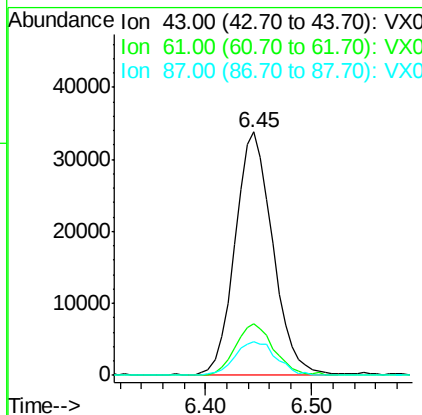
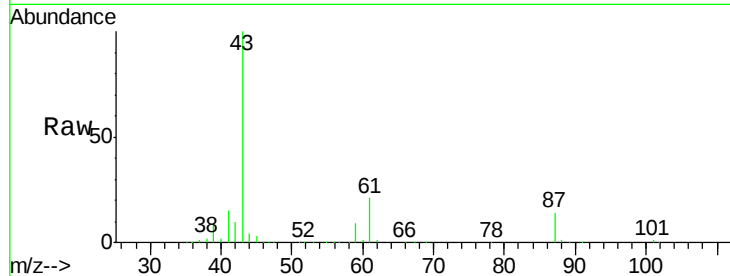
Isopropyl Acetate
 Concen: 18.878 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX010800.D
 Acq: 11 Jul 2019 12:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.0	17.8	26.6
87	15.3	13.0	19.4

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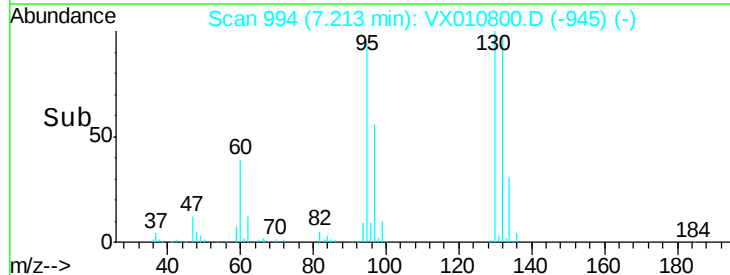
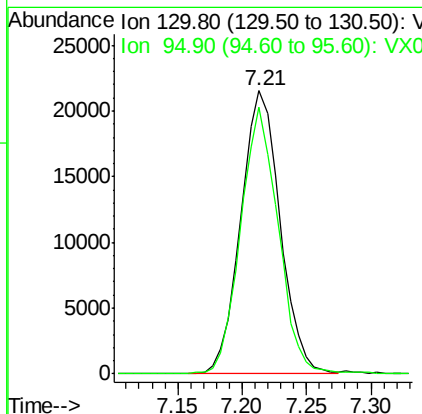
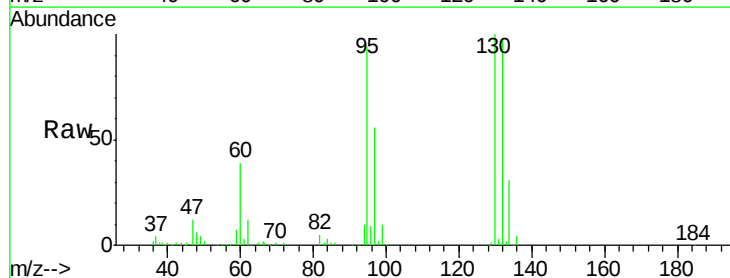
MMDadoda
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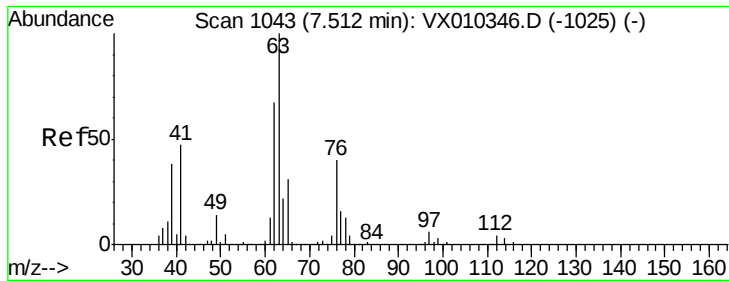


#44

Trichloroethene
 Concen: 18.820 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX010800.D
 Acq: 11 Jul 2019 12:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	180.8





#45

1,2-Dichloropropane

Concen: 19.287 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX010800.D

Acq: 11 Jul 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0711MBS01

Tot Ion: 63 Resp: 39350

Ion Ratio Lower Upper

63 100

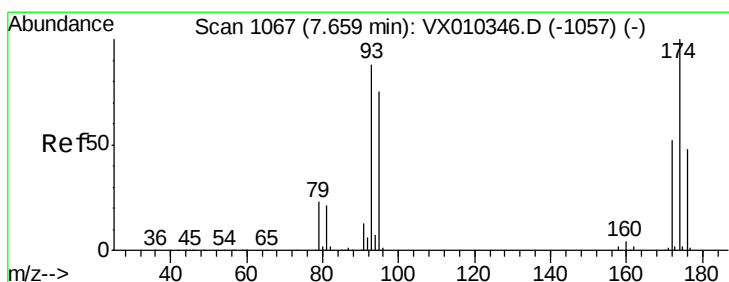
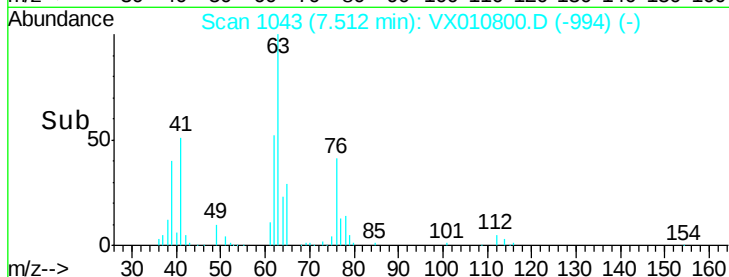
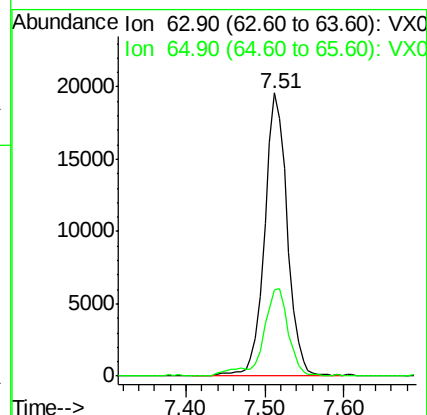
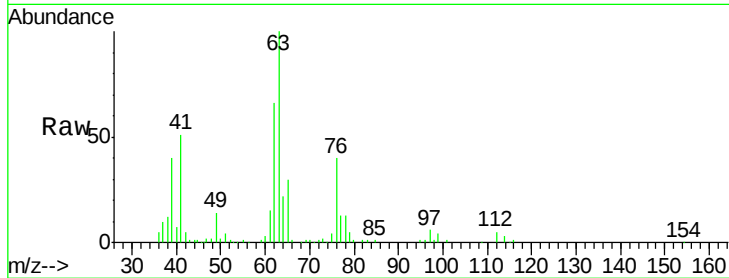
65 30.1 24.8 37.2

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#46

Dibromomethane

Concen: 19.424 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX010800.D

Acq: 11 Jul 2019 12:30

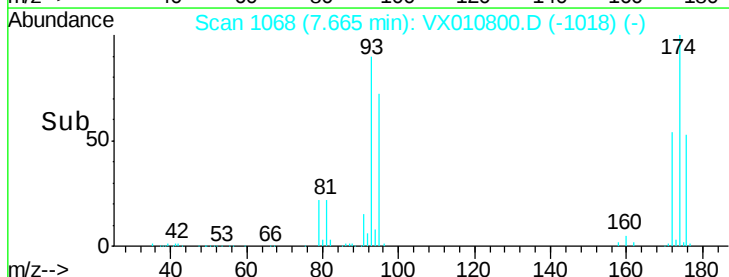
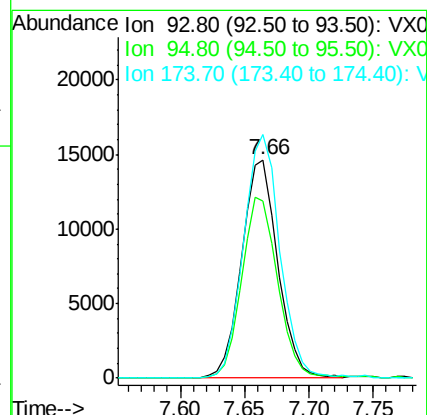
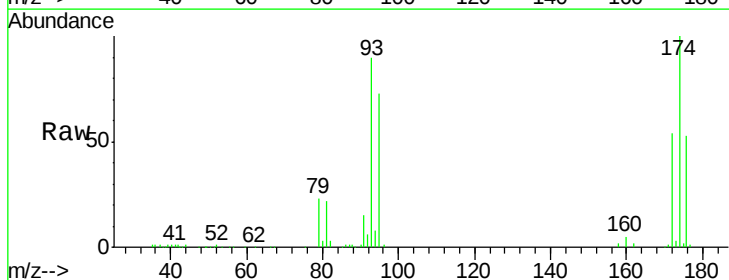
Tgt Ion: 93 Resp: 28433

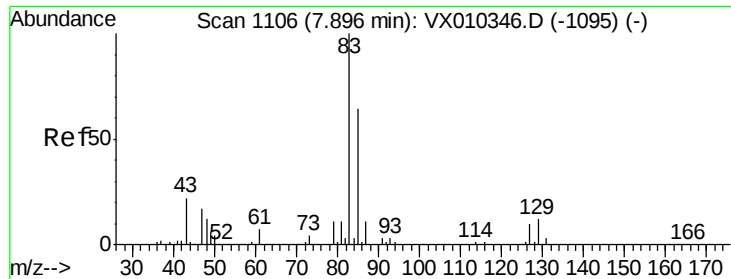
Ion Ratio Lower Upper

93 100

95 82.7 67.5 101.3

174 112.7 95.8 143.6





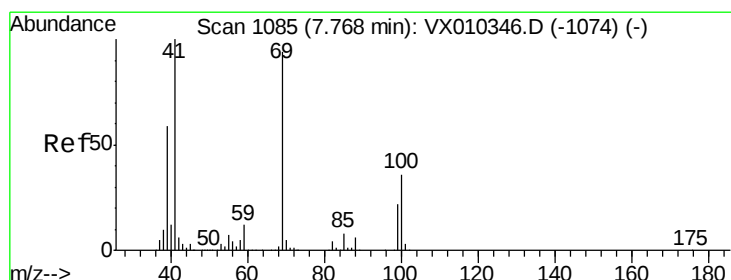
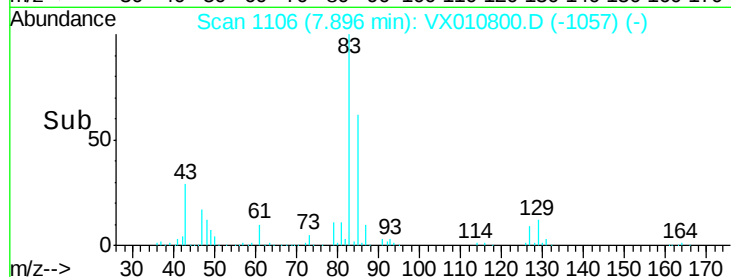
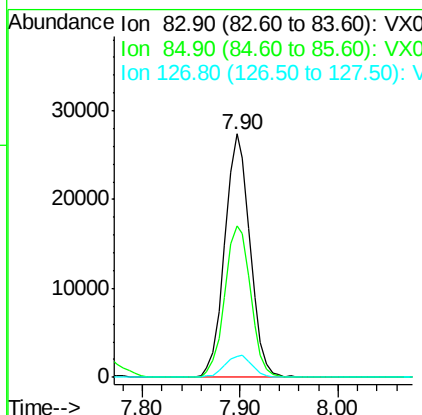
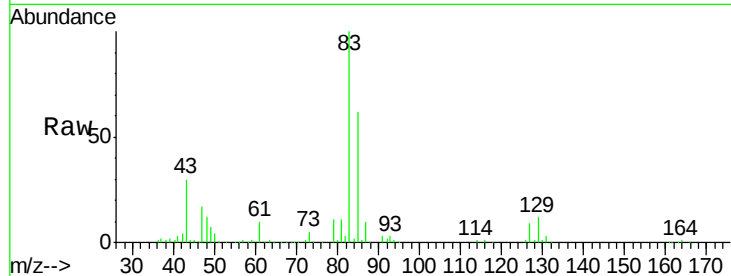
#47
 Bromodichloromethane
 Concen: 18.261 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. 0.00 min
 Lab File: VX010800.D
 Acq: 11 Jul 2019 12:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711MBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	48989		
85	62.1		51.5	77.3
127	8.5		7.8	11.8

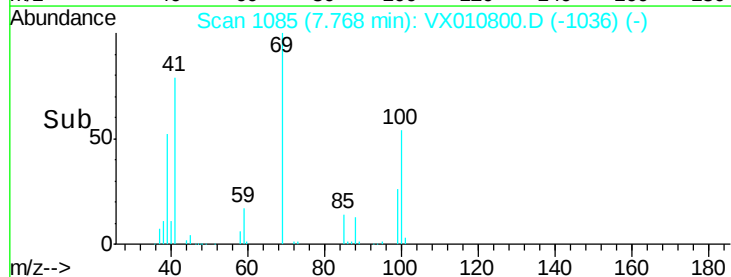
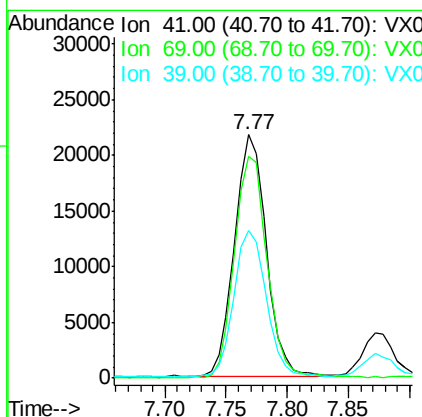
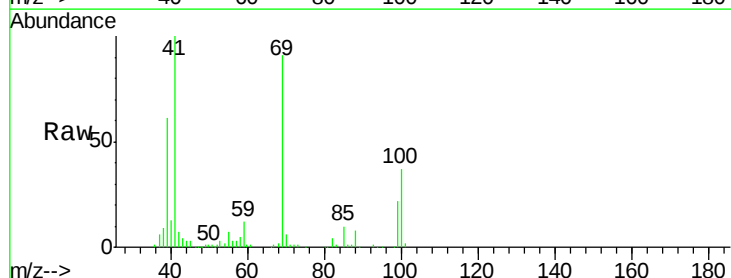
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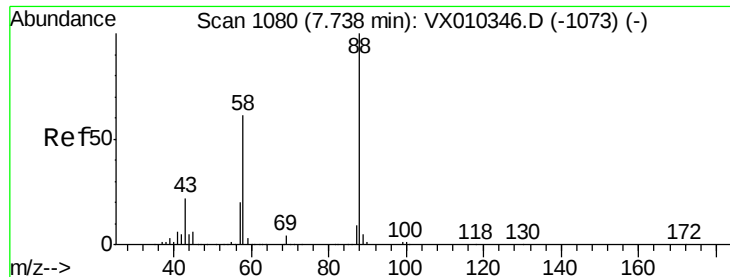
MMDadoda
 7/12/2019 12:21:58 PM



#48
 Methyl methacrylate
 Concen: 19.051 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX010800.D
 Acq: 11 Jul 2019 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	39086		
69	95.3		76.1	114.1
39	61.6		47.6	71.4





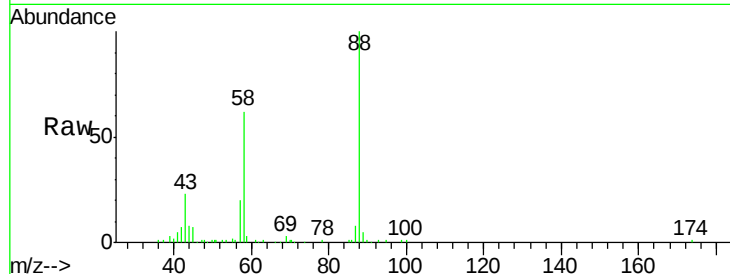
#49
1,4-Dioxane
Concen: 396.137 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX010800.D
Acq: 11 Jul 2019 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0711MBS01

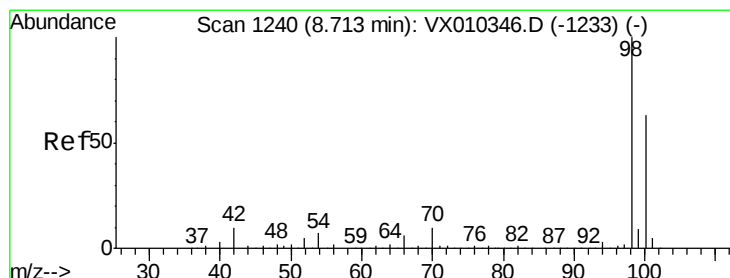
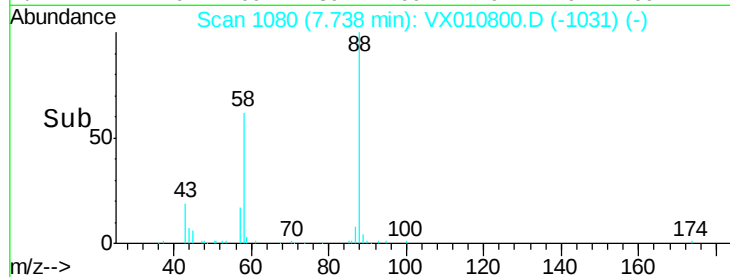
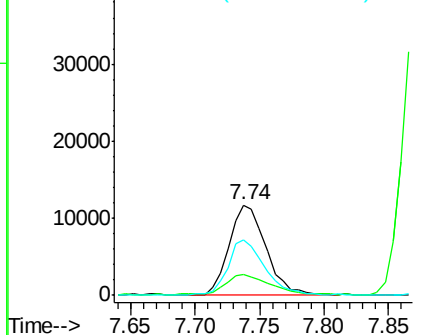
Tot Ion	Ratio	Lower	Upper
88	100		
43	26.8	20.2	30.2
58	62.5	49.5	74.3

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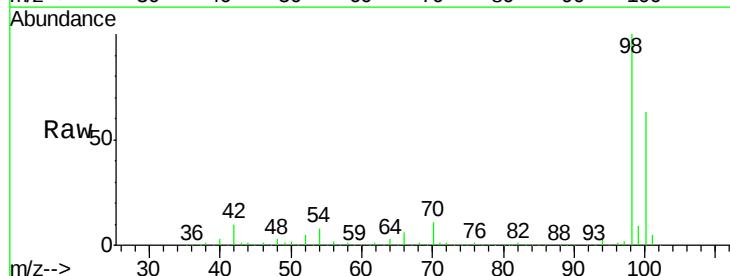


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

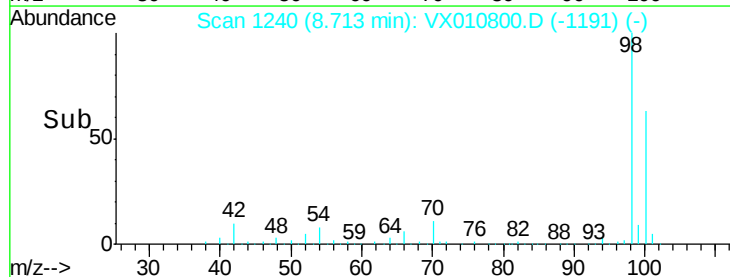
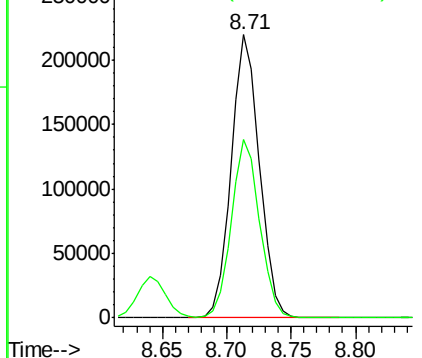


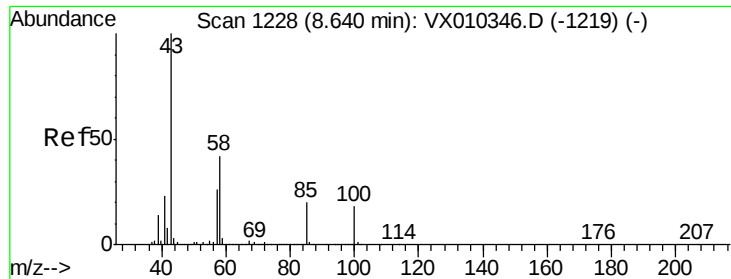
#50
Toluene-d8
Concen: 43.841 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010800.D
Acq: 11 Jul 2019 12:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.6	77.4



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





#51

4-Methyl-2-Pentanone

Concen: 101.322 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010800.D

Acq: 11 Jul 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0711MBS01

Tot Ion: 43 Resp: 286031

Ion Ratio Lower Upper

43 100

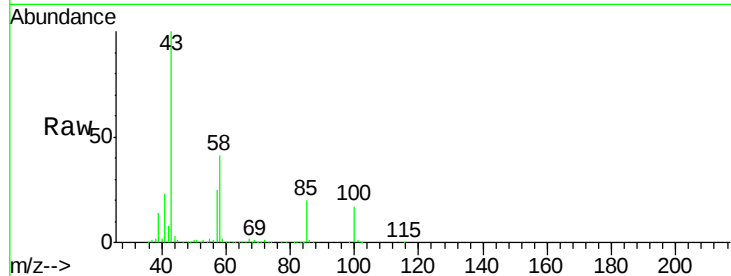
58 40.8 33.5 50.3

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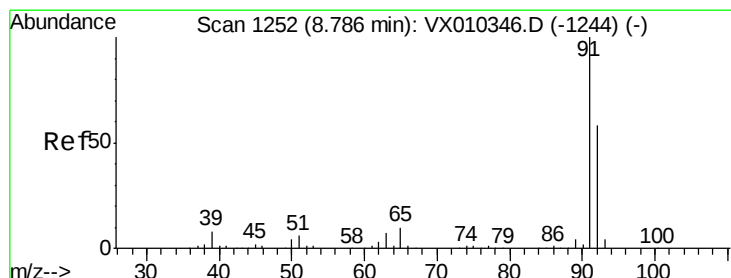
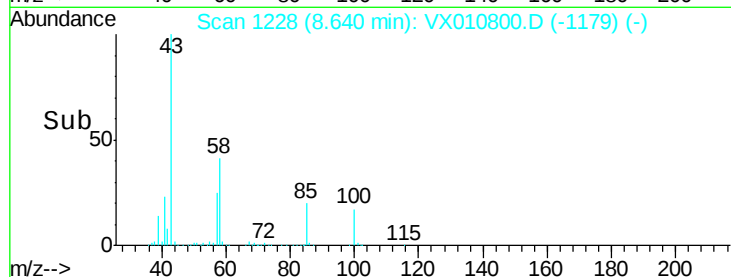
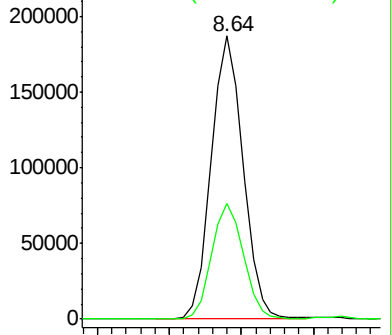
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 18.818 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX010800.D

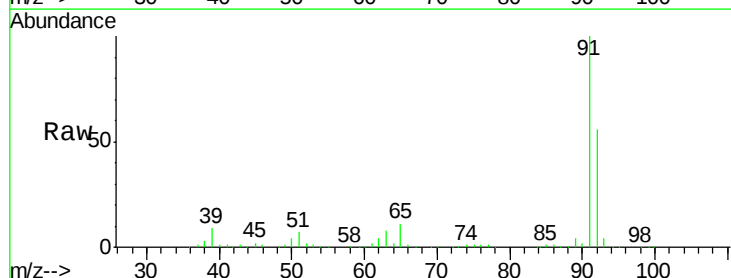
Acq: 11 Jul 2019 12:30

Tgt Ion: 92 Resp: 100122

Ion Ratio Lower Upper

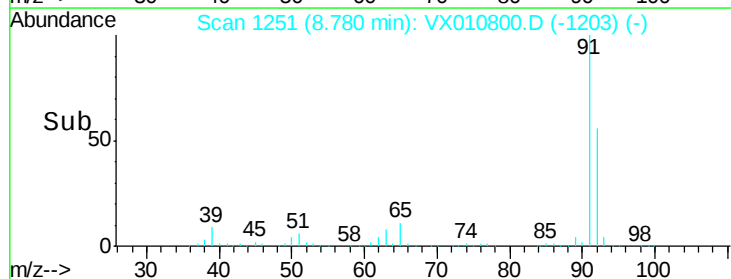
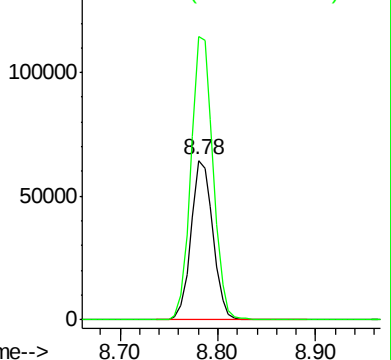
92 100

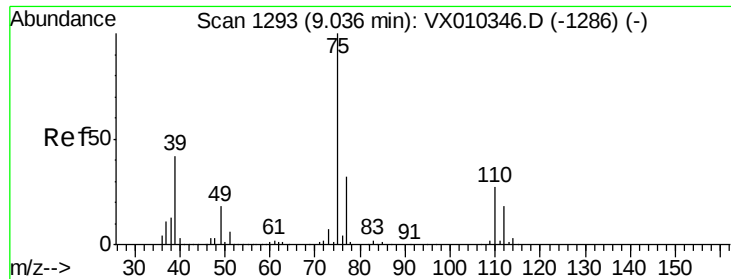
91 179.3 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





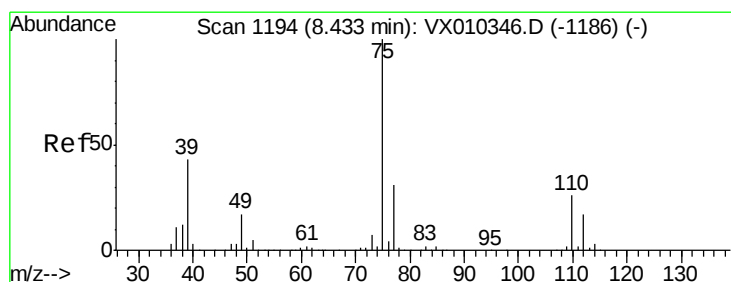
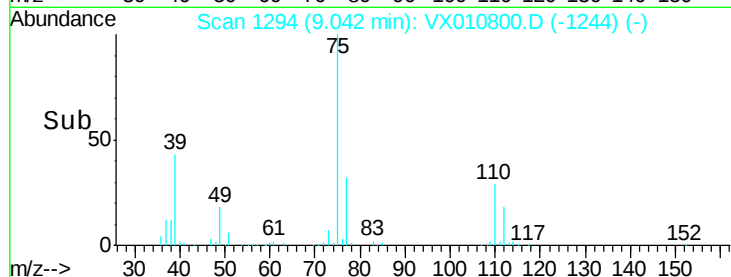
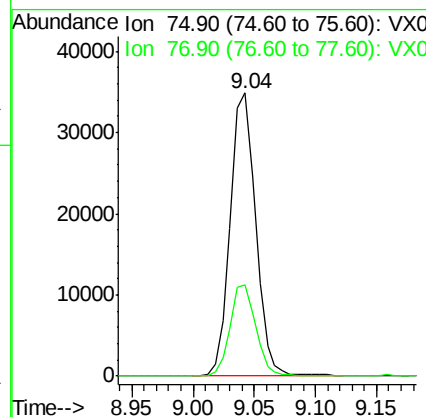
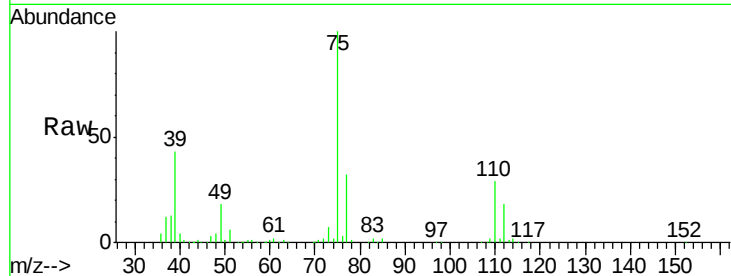
#53
t-1,3-Dichloropropene
Concen: 16.646 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX010800.D
Acq: 11 Jul 2019 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0711MBS01

Tot Ion: 75 Resp: 50064
Ion Ratio Lower Upper
75 100
77 32.3 25.4 38.2

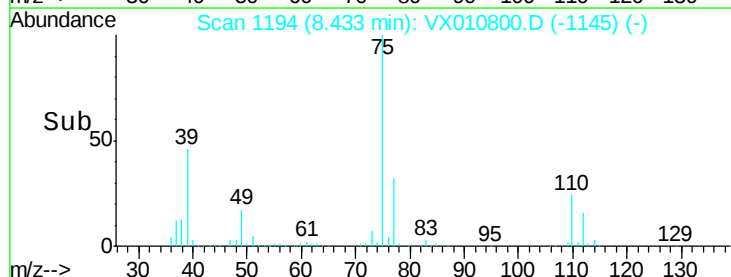
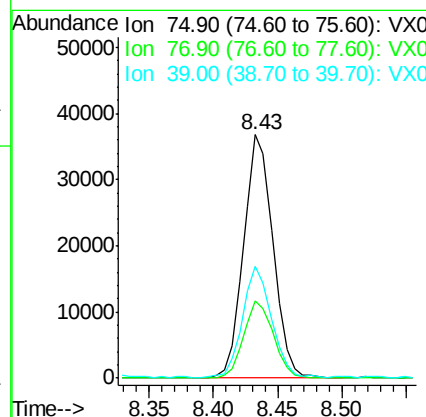
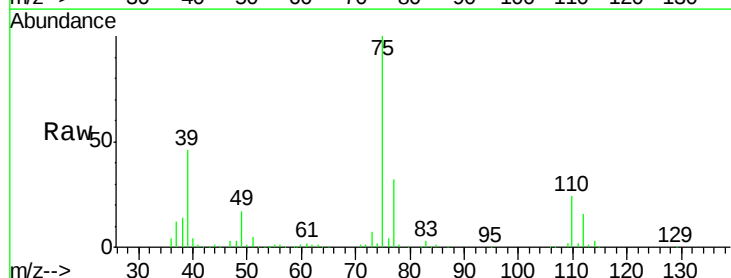
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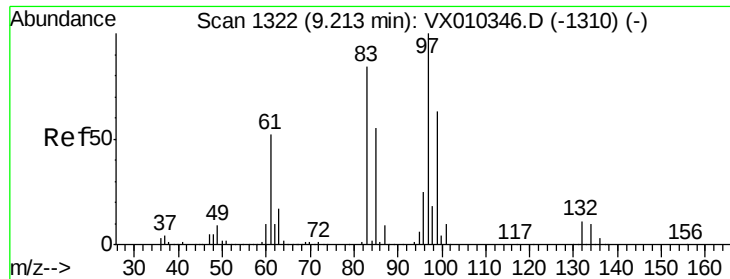
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 17.762 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX010800.D
Acq: 11 Jul 2019 12:30

Tgt Ion: 75 Resp: 58055
Ion Ratio Lower Upper
75 100
77 31.9 25.2 37.8
39 45.4 34.5 51.7





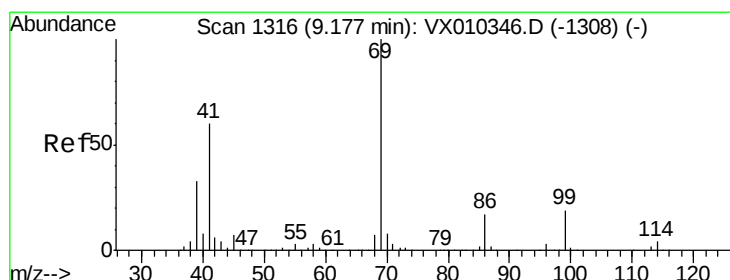
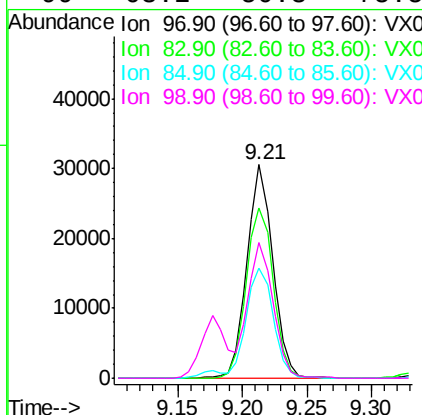
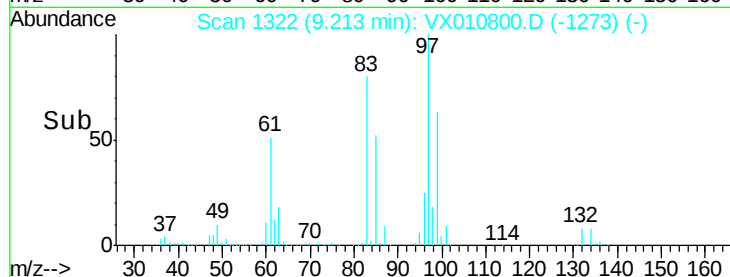
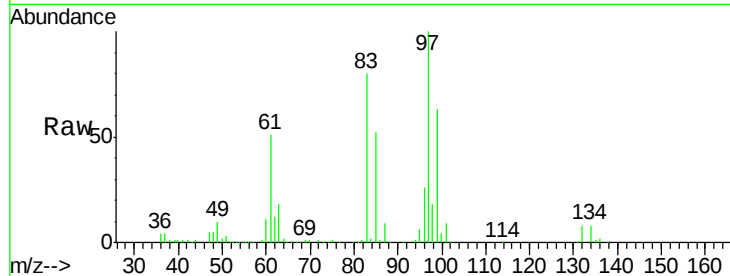
#55
 1,1,2-Trichloroethane
 Concen: 19.356 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010800.D
 Acq: 11 Jul 2019 12:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711MBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	79.6	67.4	101.0
85	51.3	43.8	65.8
99	63.2	50.3	75.5

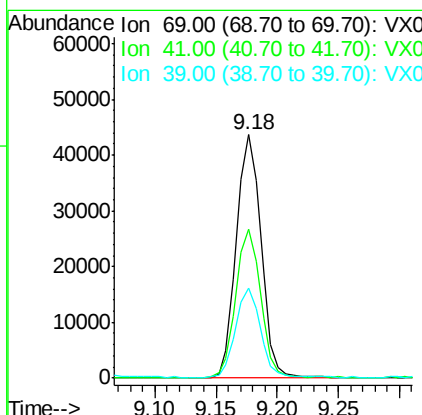
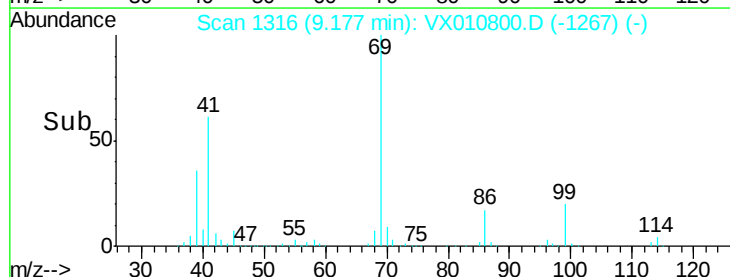
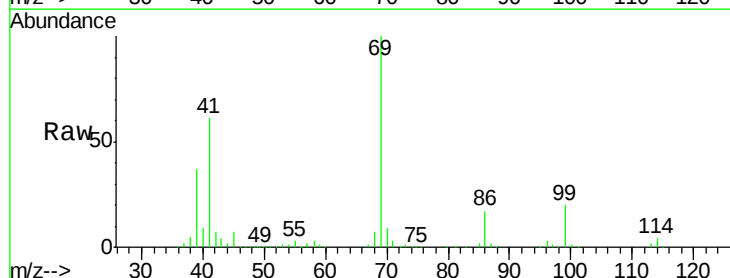
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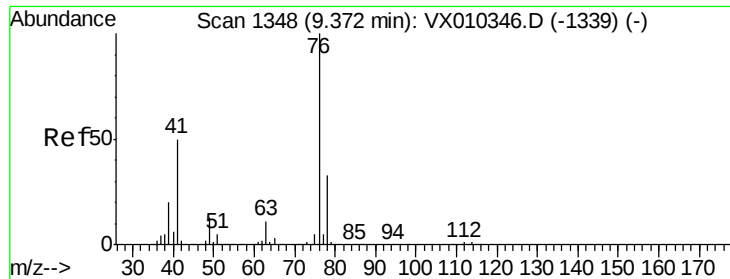
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#56
 Ethyl methacrylate
 Concen: 18.441 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX010800.D
 Acq: 11 Jul 2019 12:30

Tgt Ion	Ratio	Lower	Upper
69	100		
41	60.6	47.1	70.7
39	36.3	26.6	40.0





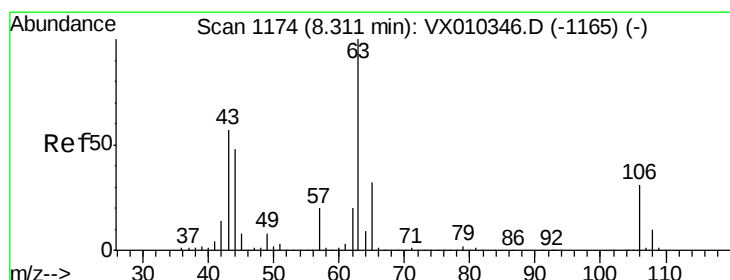
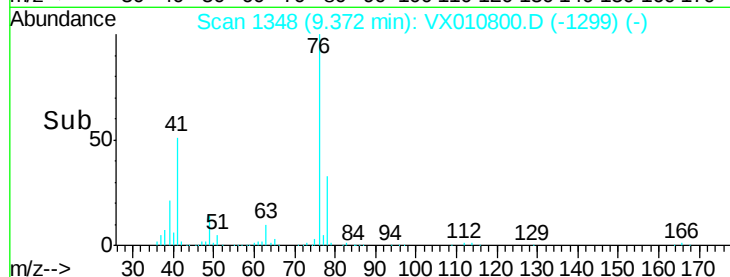
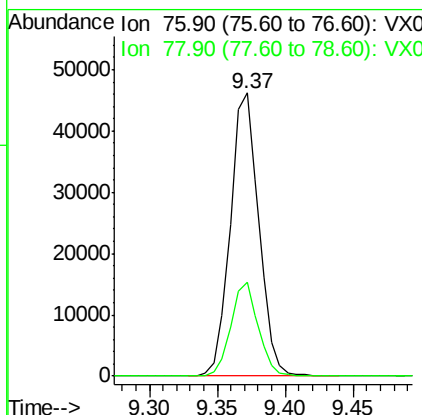
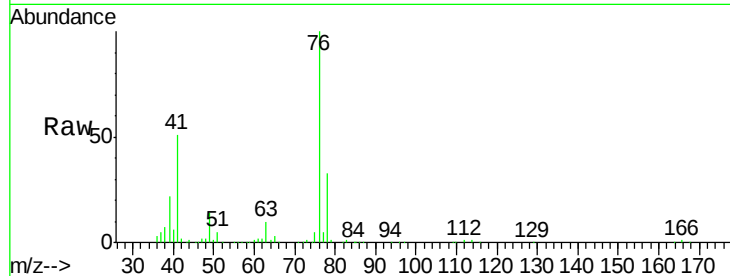
#57
 1,3-Dichloropropane
 Concen: 19.722 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX010800.D
 Acq: 11 Jul 2019 12:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711MBS01

Tot Ion: 76 Resp: 67177
 Ion Ratio Lower Upper
 76 100
 78 31.8 26.1 39.1

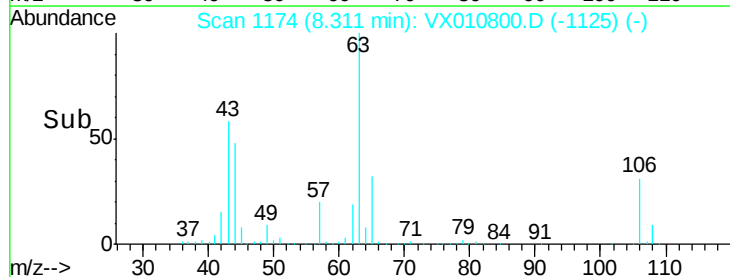
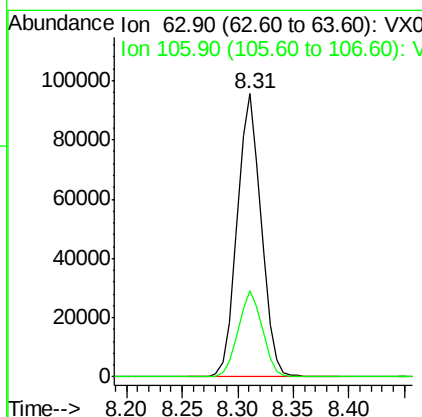
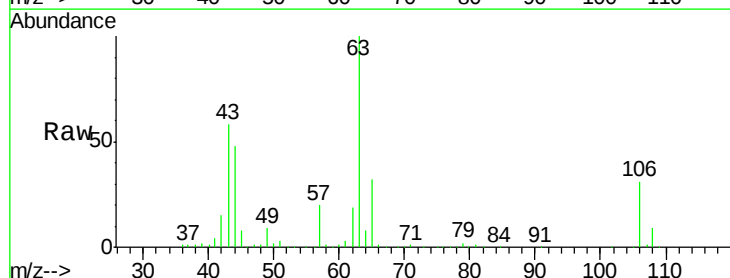
Manual Integrations
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 7/12/2019 12:21:58 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.427 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX010800.D
 Acq: 11 Jul 2019 12:30

Tgt Ion: 63 Resp: 142756
 Ion Ratio Lower Upper
 63 100
 106 30.8 24.7 37.1





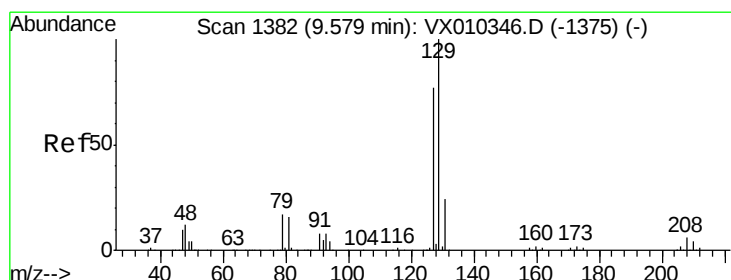
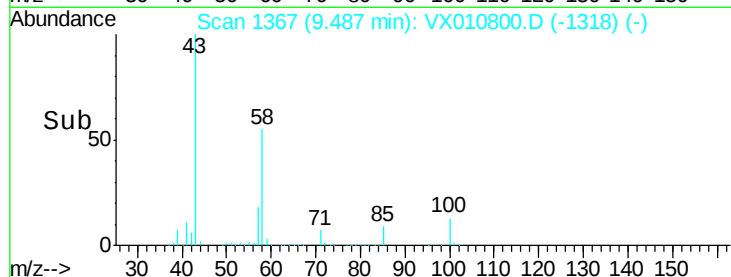
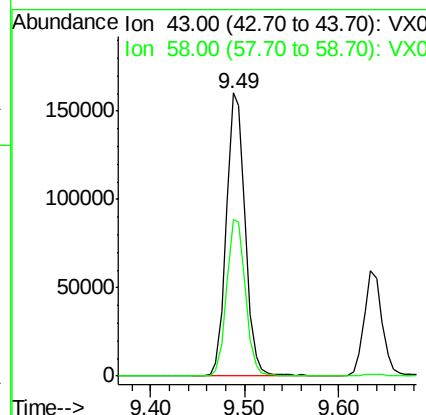
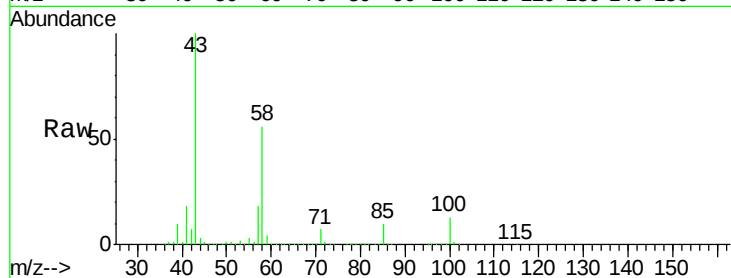
#59
2-Hexanone
Concen: 99.318 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX010800.D
Acq: 11 Jul 2019 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0711MBS01

Tot Ion: 43 Resp: 220665
Ion Ratio Lower Upper
43 100
58 55.8 29.0 87.1

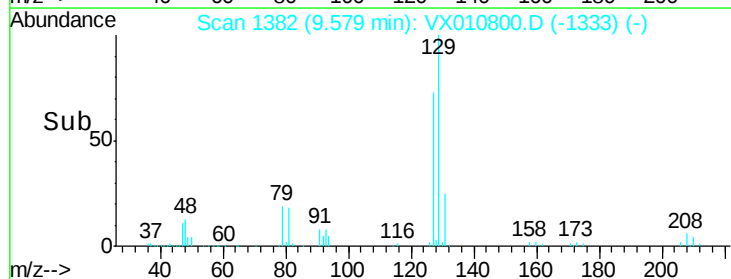
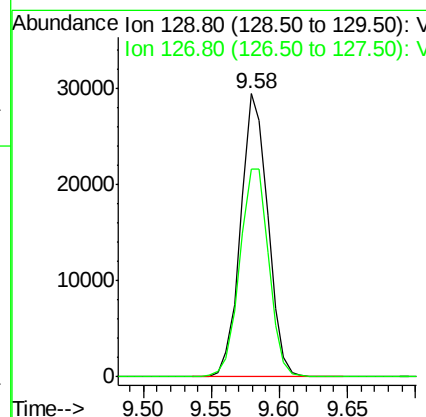
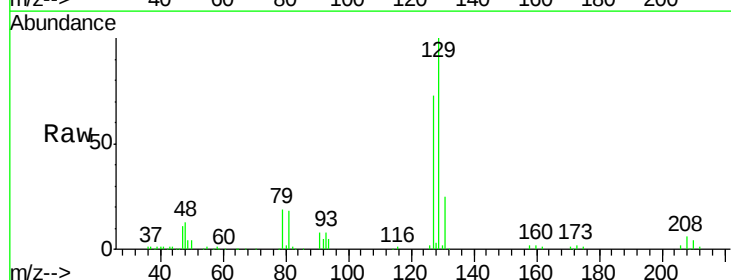
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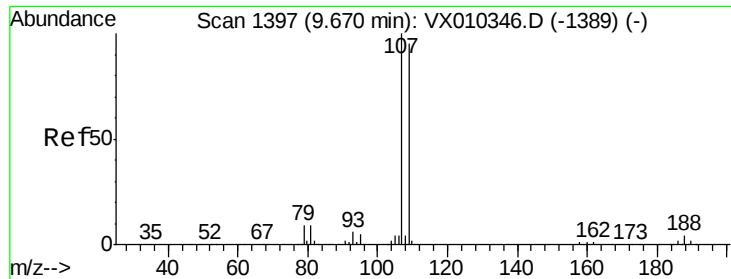
MMDadoda
7/12/2019 12:21:58 PM



#60
Dibromochloromethane
Concen: 16.765 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX010800.D
Acq: 11 Jul 2019 12:30

Tgt Ion: 129 Resp: 41189
Ion Ratio Lower Upper
129 100
127 78.5 38.4 115.1





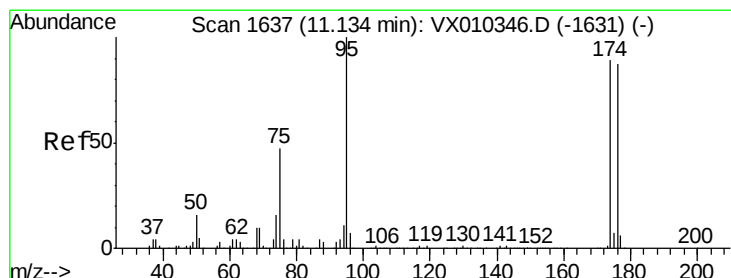
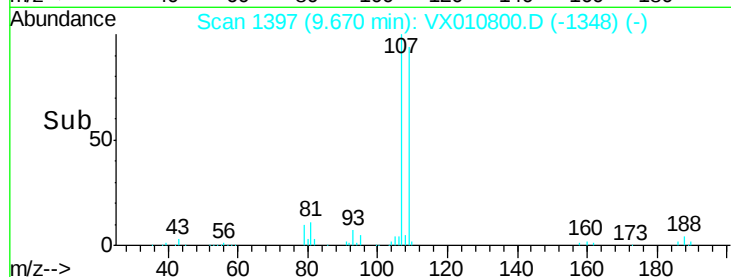
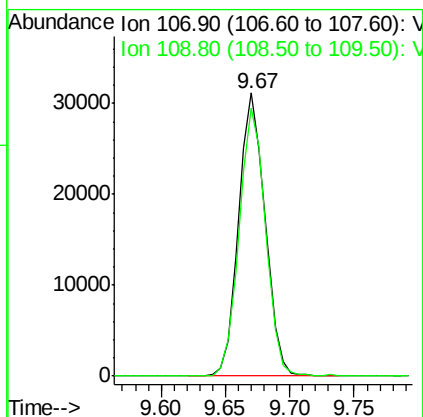
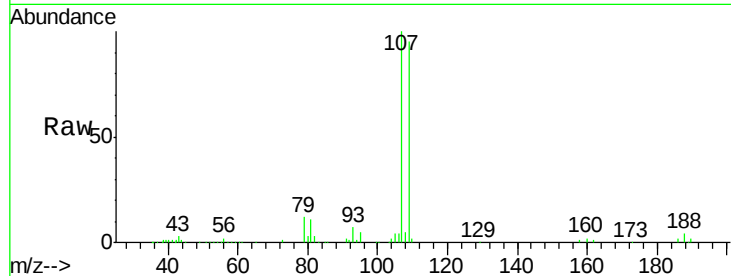
#61
 1,2-Dibromoethane
 Concen: 18.736 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX010800.D
 Acq: 11 Jul 2019 12:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711MBS01

Tot Ion:107 Resp: 44377
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.8 113.6

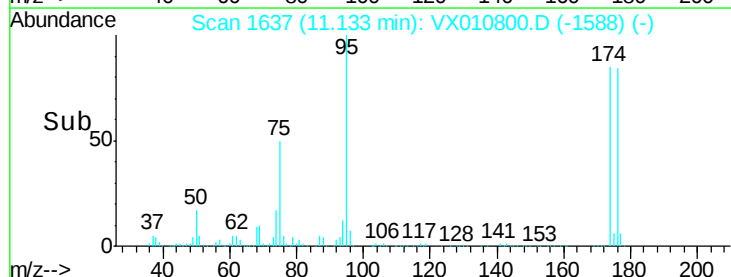
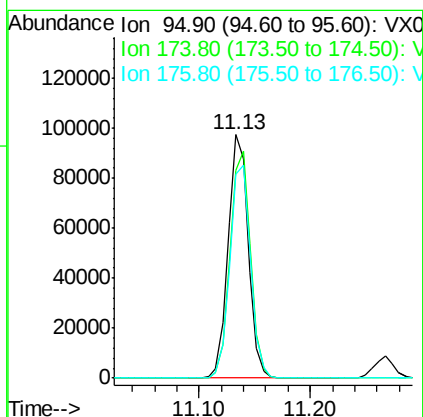
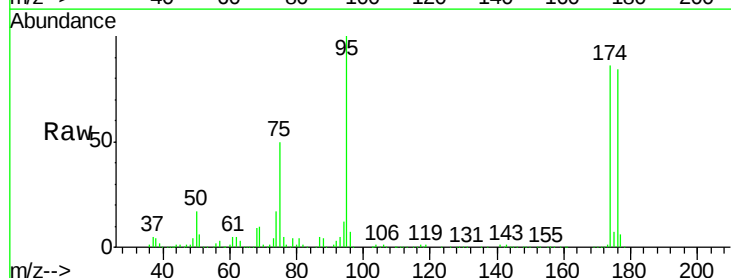
Manual Integrations
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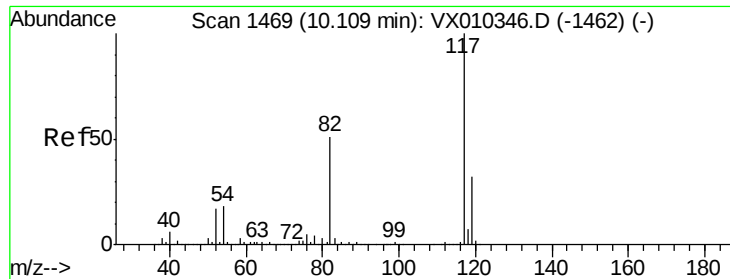
MMDadoda
 7/12/2019 12:21:58 PM



#62
 4-Bromofluorobenzene
 Concen: 44.139 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX010800.D
 Acq: 11 Jul 2019 12:30

Tgt Ion: 95 Resp: 121730
 Ion Ratio Lower Upper
 95 100
 174 94.6 0.0 187.6
 176 90.1 0.0 184.0





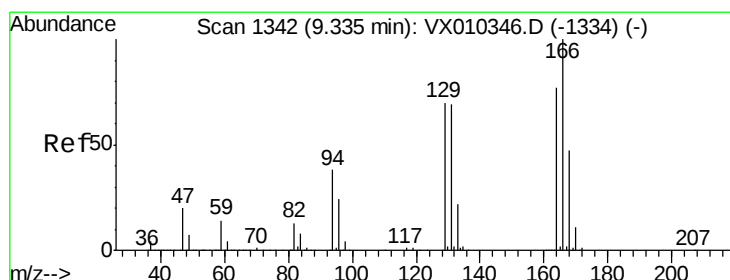
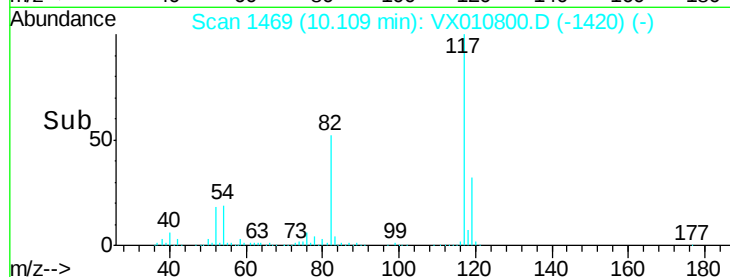
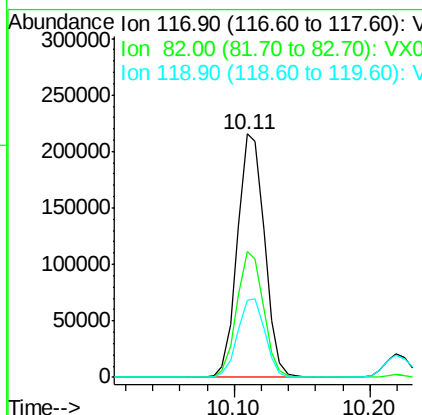
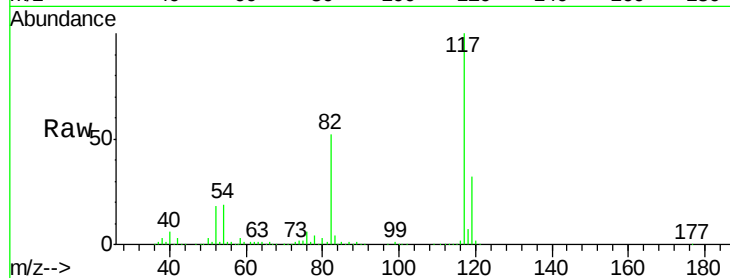
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010800.D
Acq: 11 Jul 2019 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0711MBS01

Tot Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	51.6	41.2	61.8
119	31.8	25.5	38.3

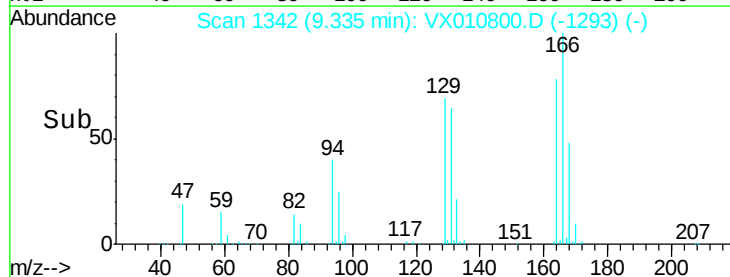
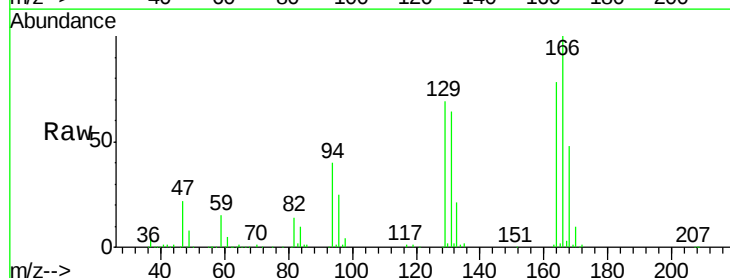
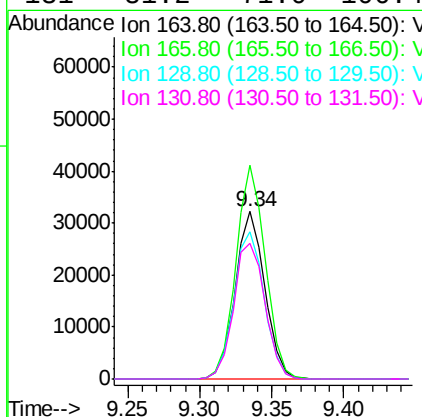
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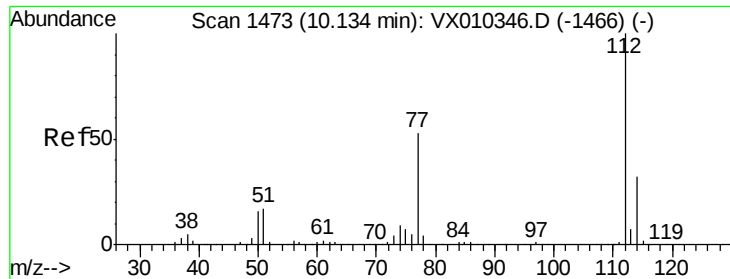
MMDadoda
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#64
Tetrachloroethene
Concen: 19.043 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010800.D
Acq: 11 Jul 2019 12:30

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	127.6	103.6	155.4
129	87.9	73.0	109.4
131	81.2	71.0	106.4





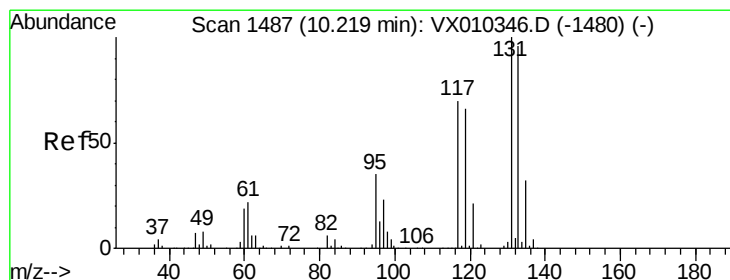
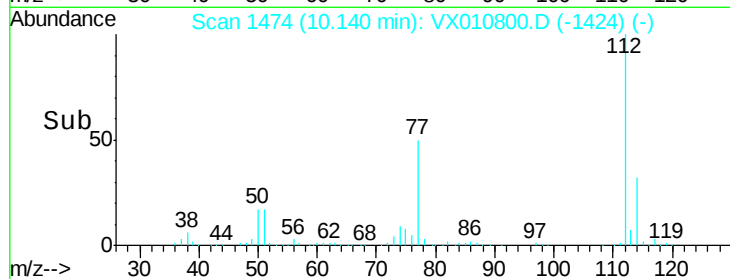
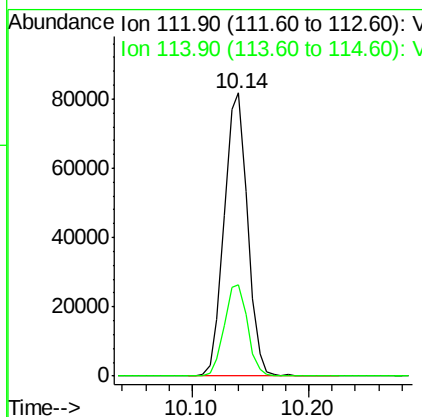
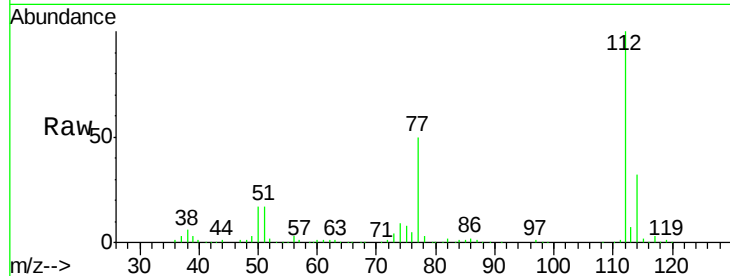
#65
Chlorobenzene
Concen: 18.665 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX010800.D
Acq: 11 Jul 2019 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0711MBS01

Tot Ion:112 Resp: 113339
Ion Ratio Lower Upper
112 100
114 32.2 25.4 38.2

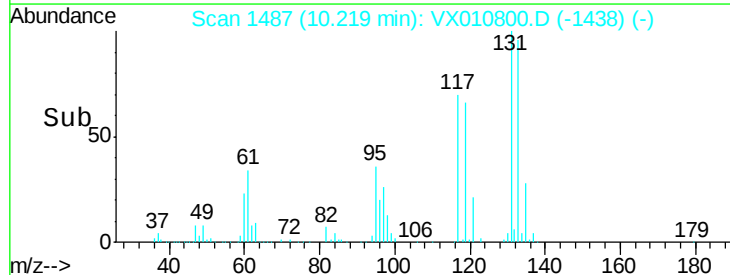
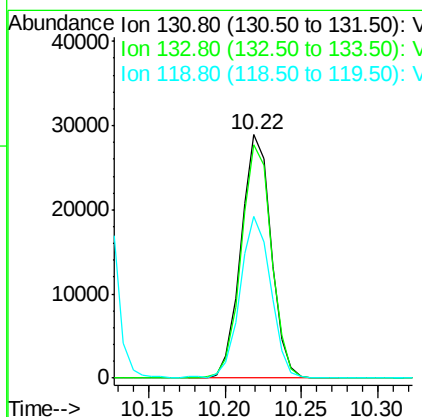
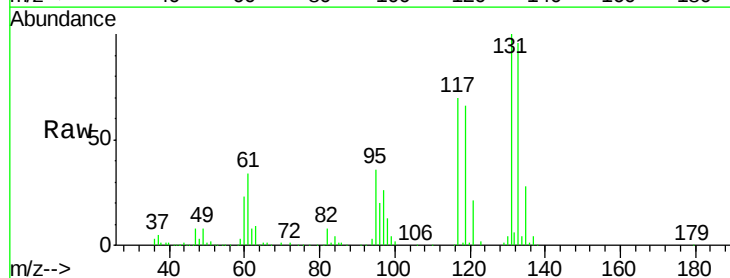
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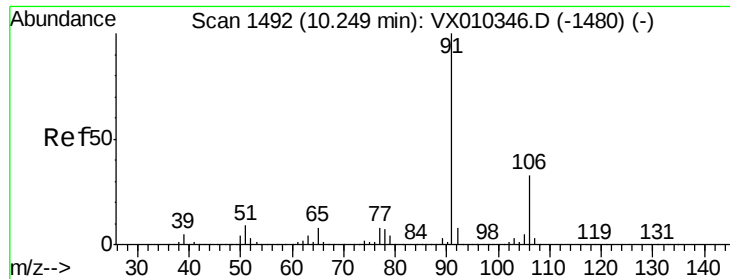
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#66
1,1,1,2-Tetrachloroethane
Concen: 17.841 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX010800.D
Acq: 11 Jul 2019 12:30

Tgt Ion:131 Resp: 39461
Ion Ratio Lower Upper
131 100
133 96.4 47.7 143.1
119 67.7 32.6 97.7





#67

Ethyl Benzene

Concen: 18.980 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010800.D

Acq: 11 Jul 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0711MBS01

Tot Ion: 91 Resp: 194569

Ion Ratio Lower Upper

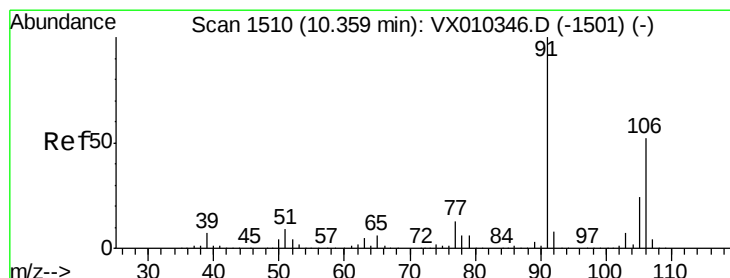
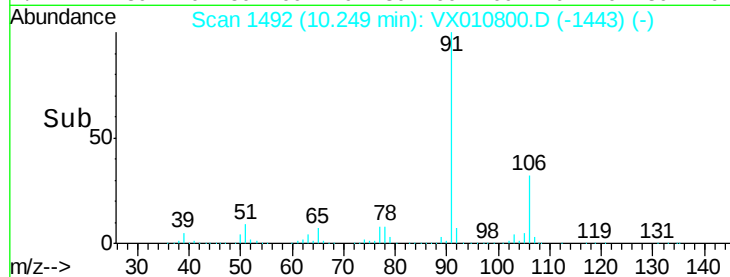
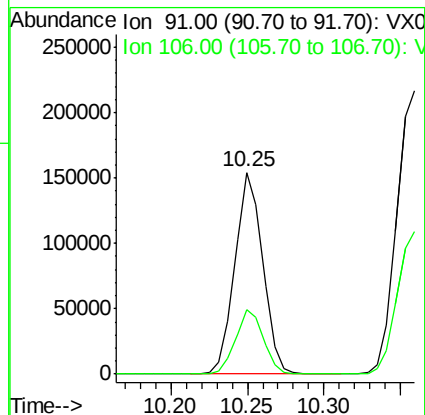
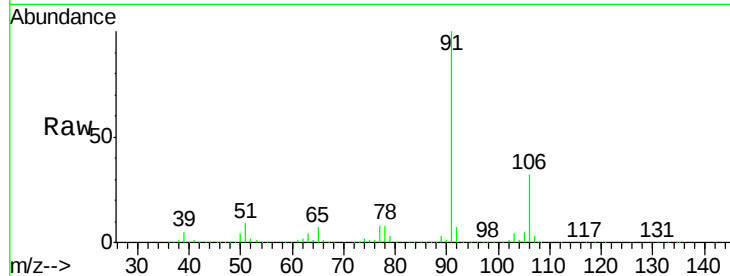
91 100

106 31.9 26.2 39.2

Manual Integrations
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#68

m/p-Xylenes

Concen: 37.588 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX010800.D

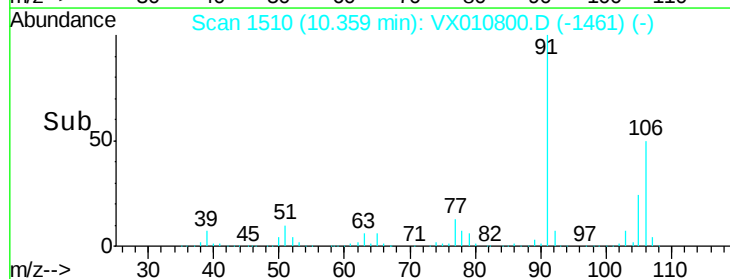
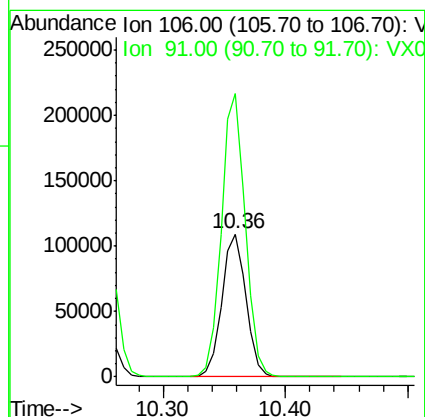
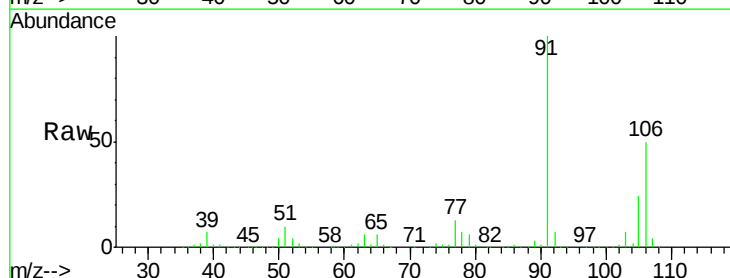
Acq: 11 Jul 2019 12:30

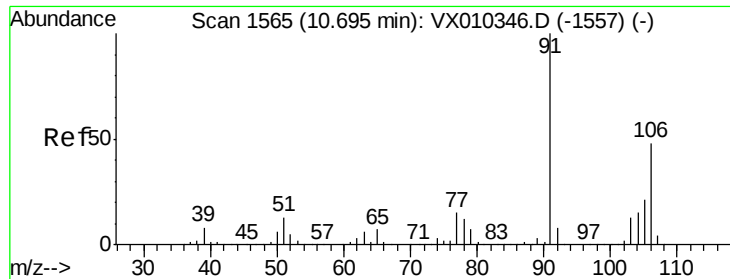
Tgt Ion: 106 Resp: 149302

Ion Ratio Lower Upper

106 100

91 196.0 155.3 232.9





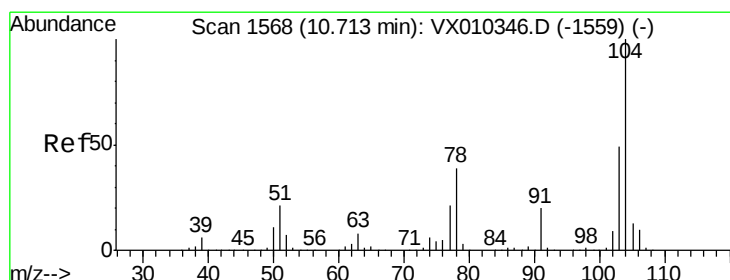
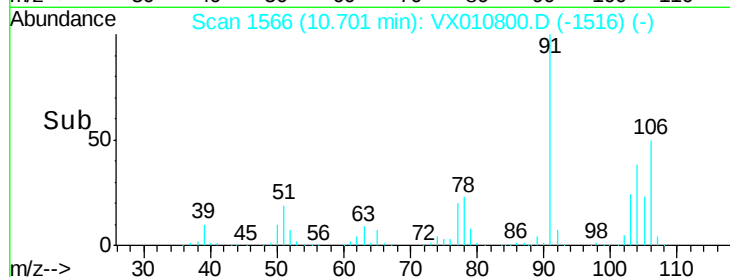
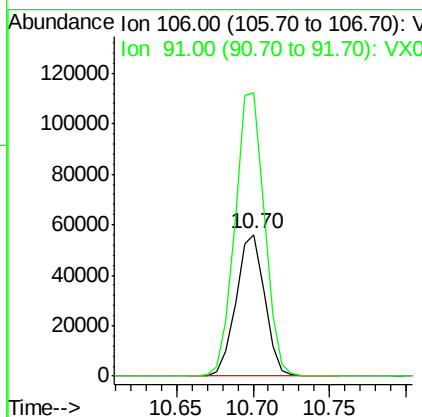
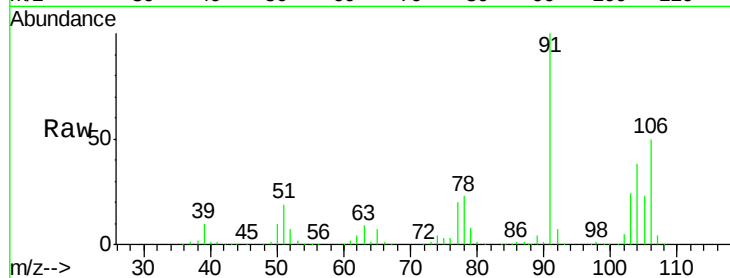
#69
o-Xylene
Concen: 18.641 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX010800.D
Acq: 11 Jul 2019 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0711MBS01

Tot Ion:106 Resp: 72813
Ion Ratio Lower Upper
106 100
91 206.2 102.7 308.1

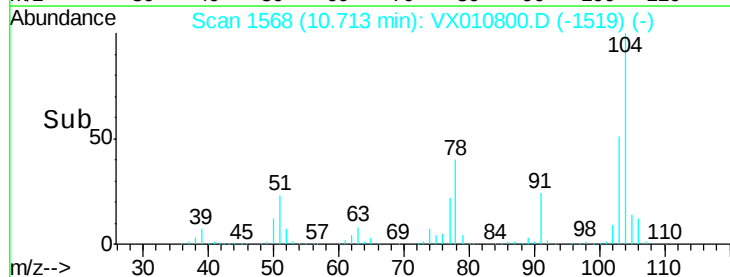
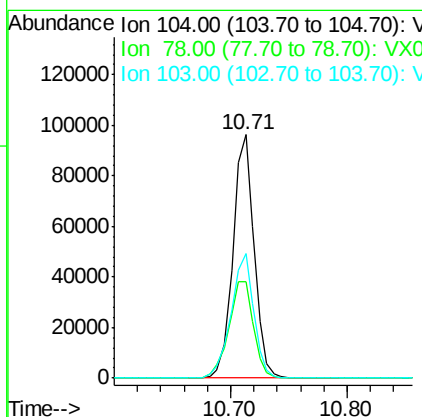
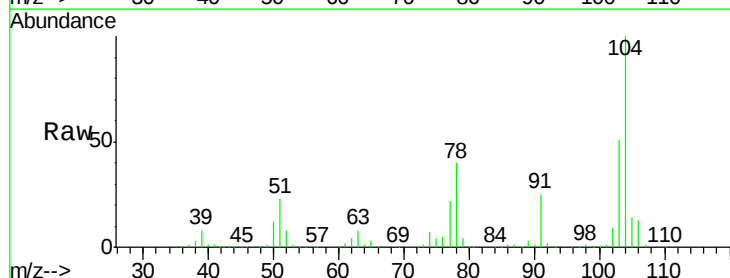
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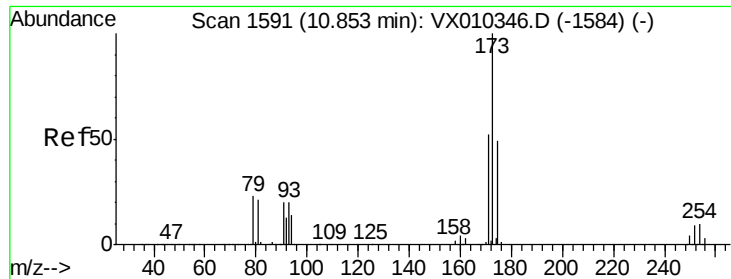
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#70
Styrene
Concen: 18.608 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010800.D
Acq: 11 Jul 2019 12:30

Tgt Ion:104 Resp: 121899
Ion Ratio Lower Upper
104 100
78 46.4 36.2 54.2
103 55.4 44.2 66.4





#71

Bromoform

Concen: 15.494 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010800.D

Acq: 11 Jul 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0711MBS01

Tot Ion:173 Resp: 29801

Ion Ratio Lower Upper

173 100

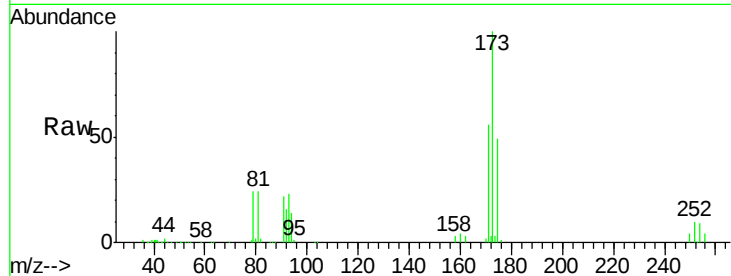
175 48.5 24.1 72.3

254 0.0 0.2 0.2#

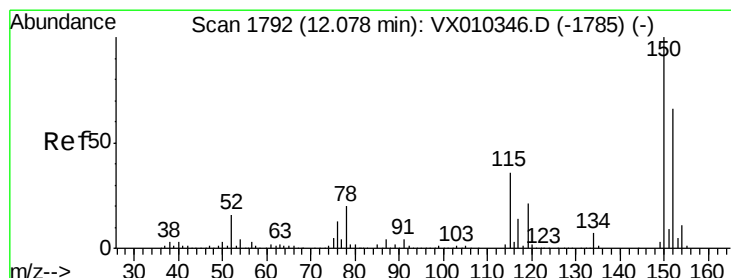
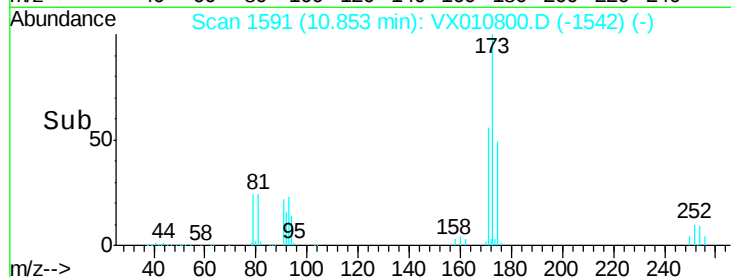
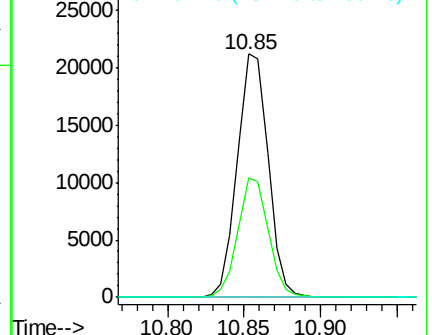
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010800.D

Acq: 11 Jul 2019 12:30

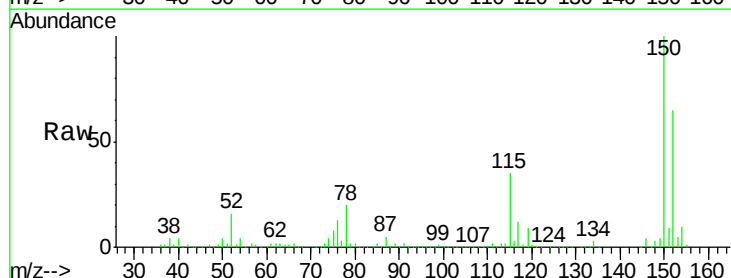
Tgt Ion:152 Resp: 153339

Ion Ratio Lower Upper

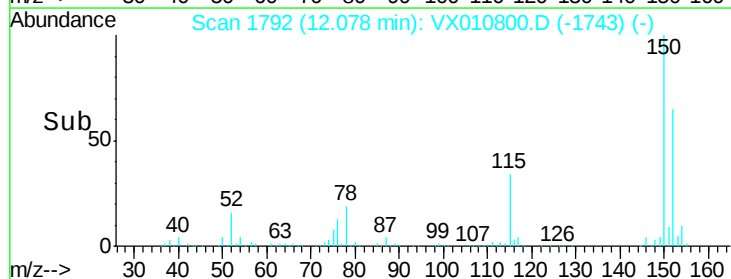
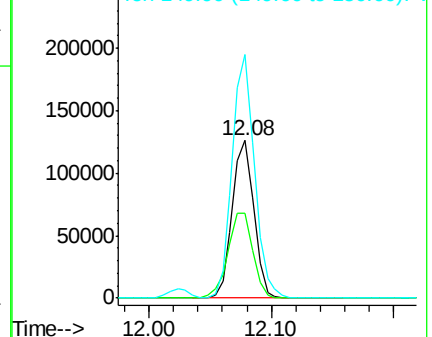
152 100

115 62.8 38.6 115.7

150 159.7 0.0 347.4



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





#73

Isopropylbenzene

Concen: 18.834 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010800.D

Acq: 11 Jul 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0711MBS01

Tot Ion: 105 Resp: 195767

Ion Ratio Lower Upper

105 100

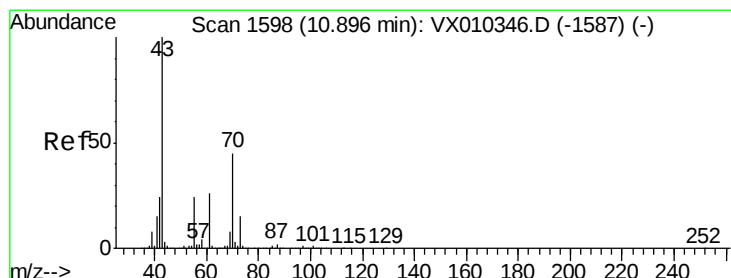
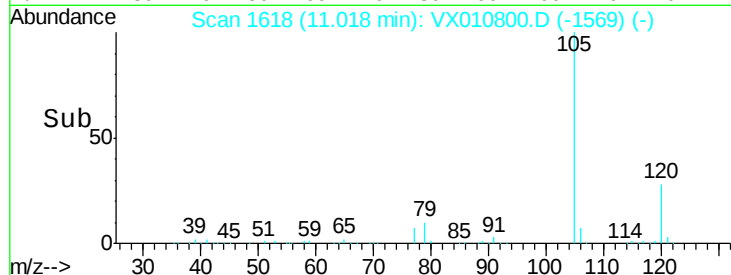
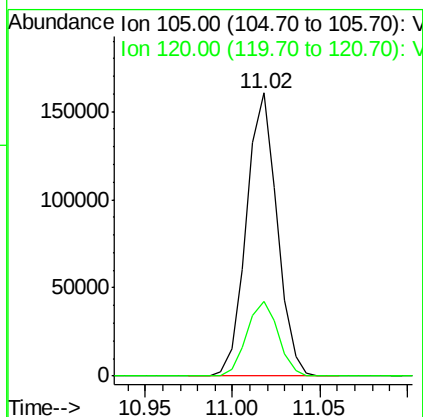
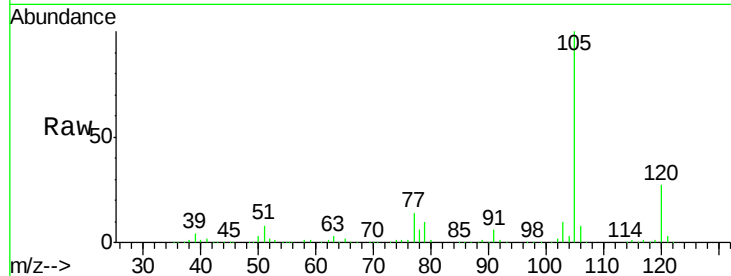
120 27.2 14.1 42.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 18.939 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010800.D

Acq: 11 Jul 2019 12:30

Tgt Ion: 43 Resp: 74399

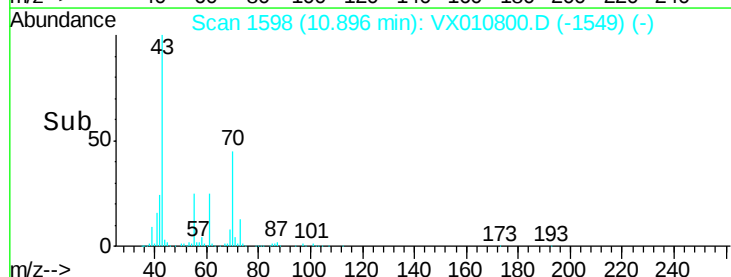
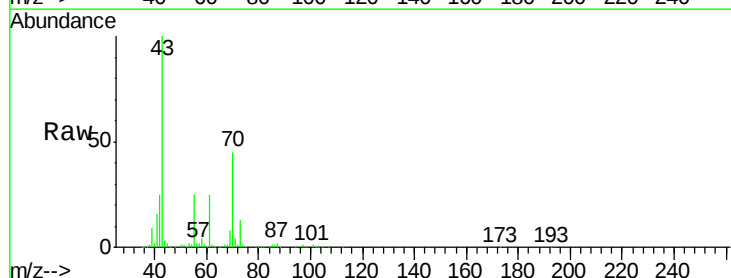
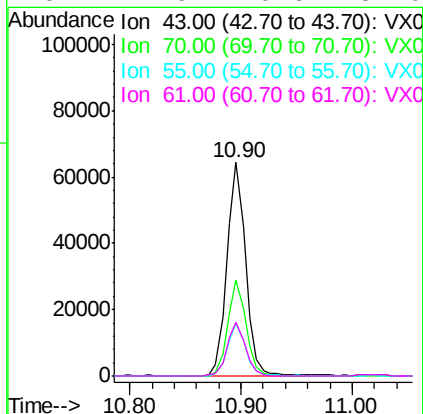
Ion Ratio Lower Upper

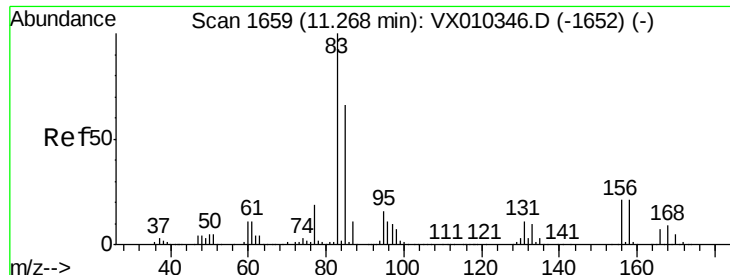
43 100

70 44.3 36.6 54.8

55 24.5 18.7 28.1

61 24.9 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.071 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX010800.D

Acq: 11 Jul 2019 12:30

Instrument :

MSVOA_X

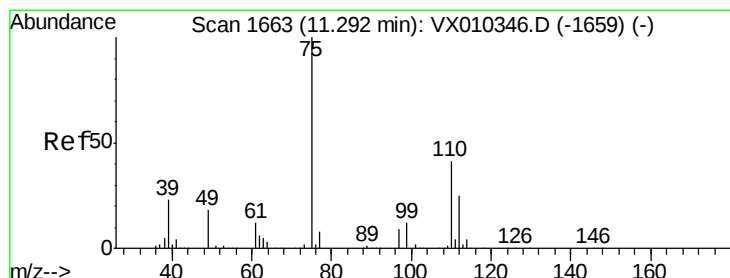
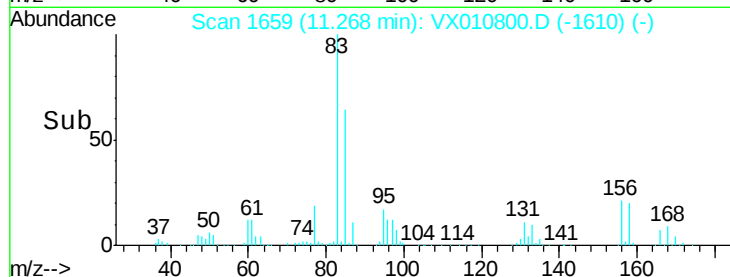
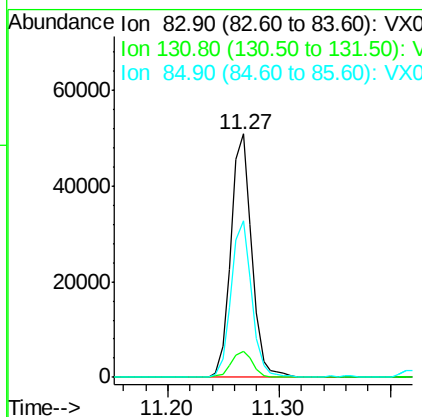
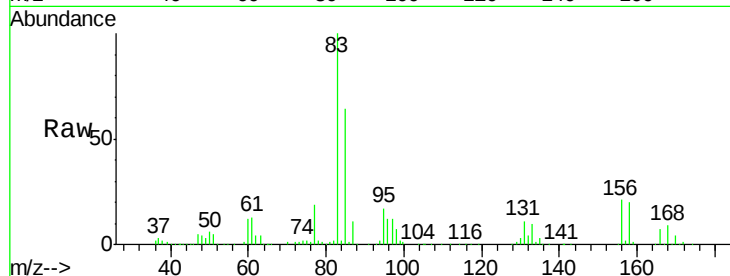
ClientSampleId :

VX0711MBS01

Tot Ion:	83	Resp:	65648
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.5	16.4
85	64.0	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.025 ug/l m

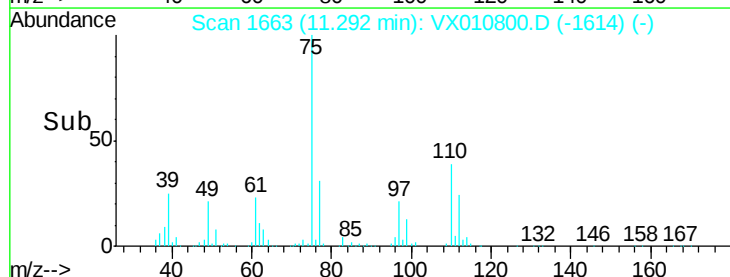
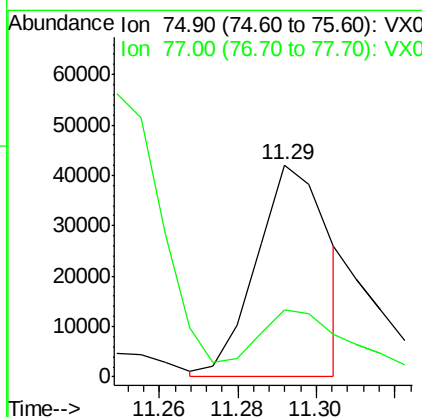
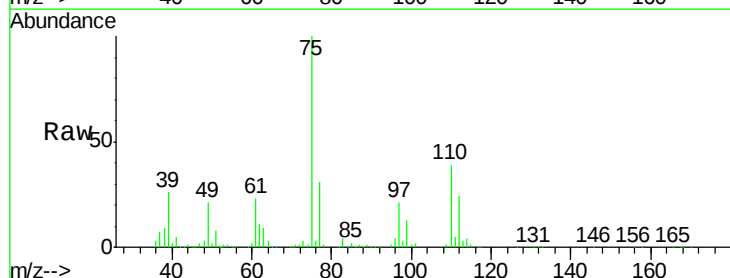
RT: 11.29 min Scan# 1663

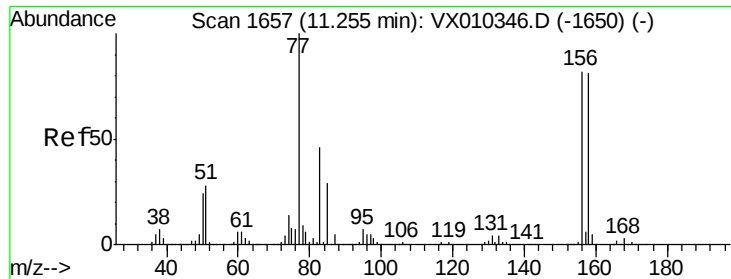
Delta R.T. -0.00 min

Lab File: VX010800.D

Acq: 11 Jul 2019 12:30

Tgt Ion:	75	Resp:	53159
Ion Ratio	Lower	Upper	
75	100		
77	42.0	22.6	67.8





#77

Bromobenzene

Concen: 18.302 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010800.D

Acq: 11 Jul 2019 12:30

Instrument :

MSVOA_X

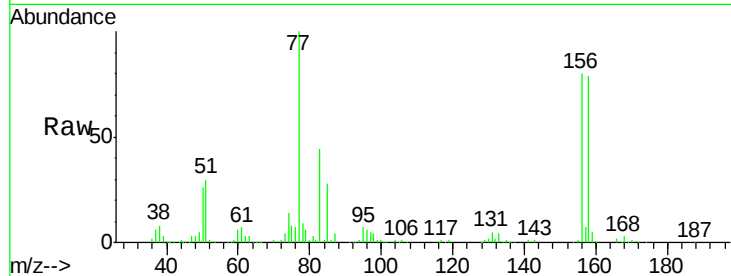
ClientSampleId :

VX0711MBS01

Tot Ion:	156	Resp:	53121
Ion Ratio	Lower	Upper	
156	100		
77	135.0	66.3	198.7
158	97.3	48.9	146.7

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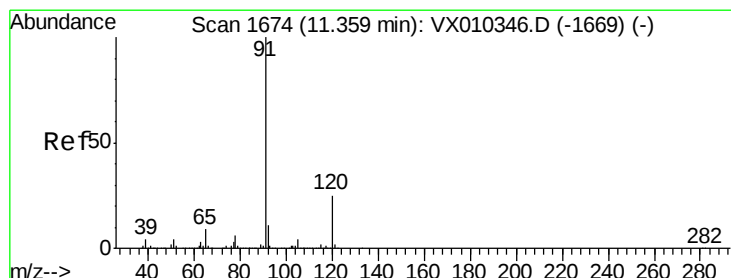
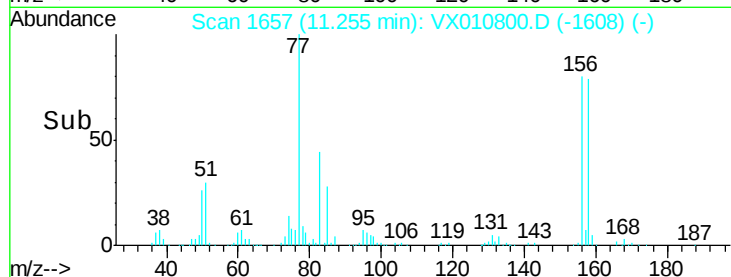
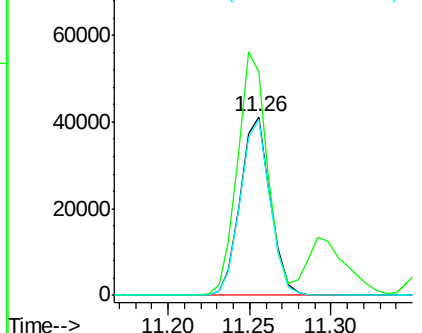
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.592 ug/l

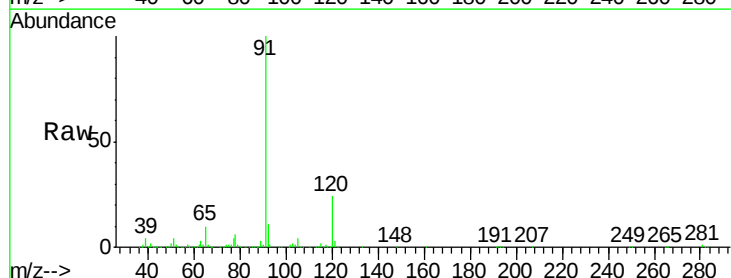
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010800.D

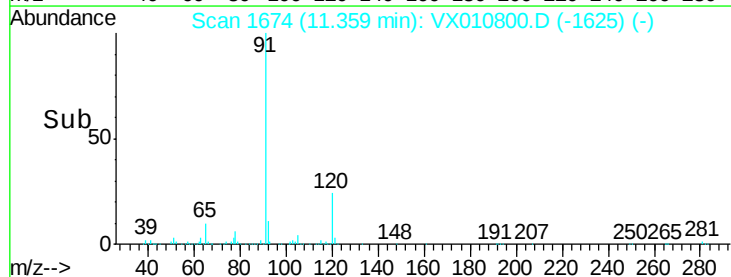
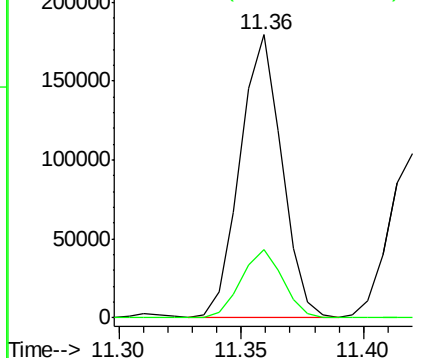
Acq: 11 Jul 2019 12:30

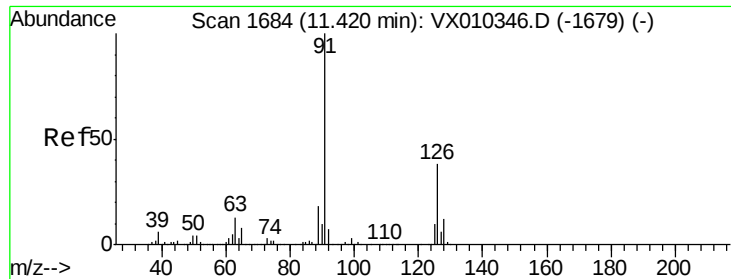
Tgt Ion:	91	Resp:	212391
Ion Ratio	Lower	Upper	
91	100		
120	24.4	12.4	37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.587 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010800.D

Acq: 11 Jul 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0711MBS01

Tot Ion: 91 Resp: 126444

Ion Ratio Lower Upper

91 100

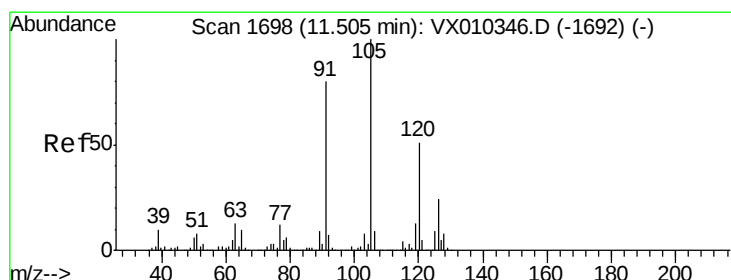
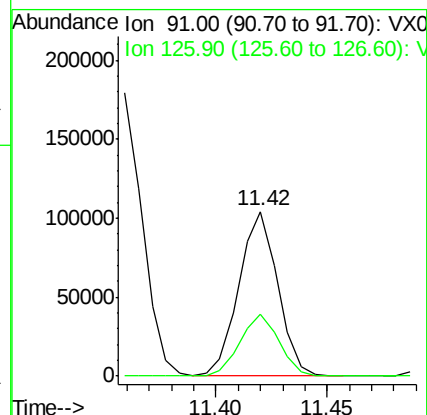
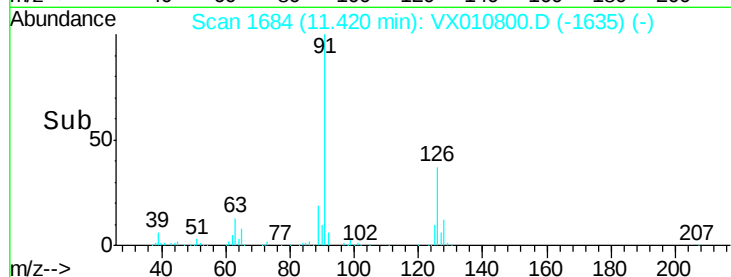
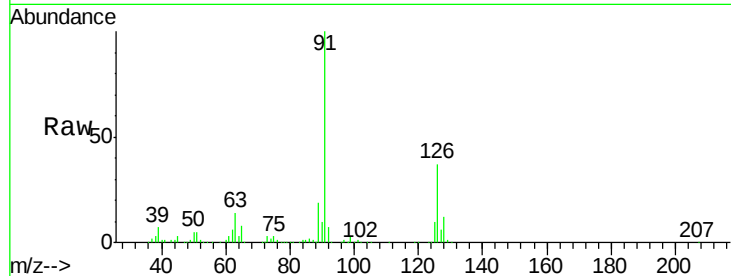
126 38.1 18.7 56.1

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#80

1,3,5-Trimethylbenzene

Concen: 18.680 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010800.D

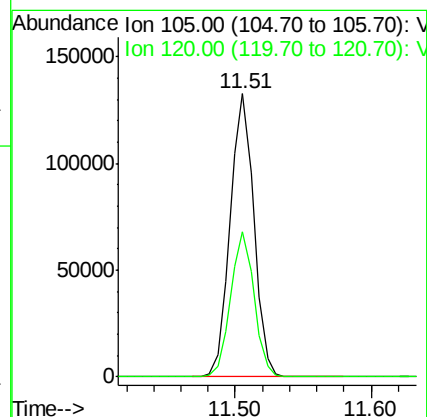
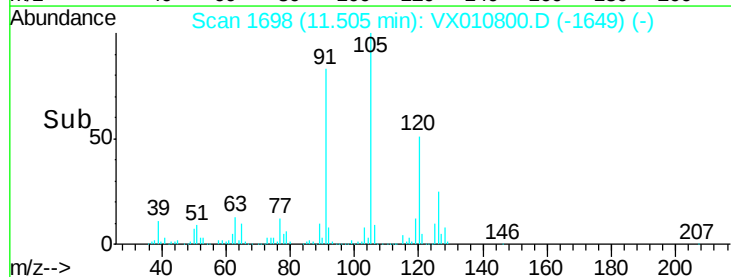
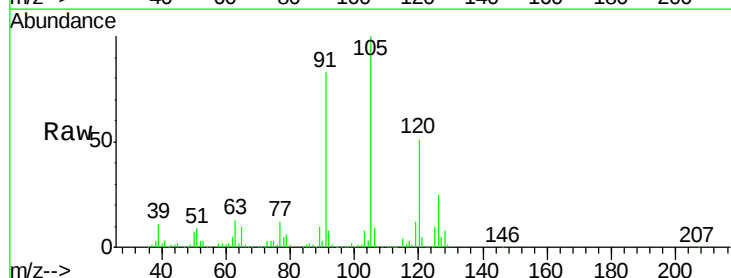
Acq: 11 Jul 2019 12:30

Tgt Ion: 105 Resp: 160067

Ion Ratio Lower Upper

105 100

120 50.7 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 13.929 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX010800.D

Acq: 11 Jul 2019 12:30

Instrument :

MSVOA_X

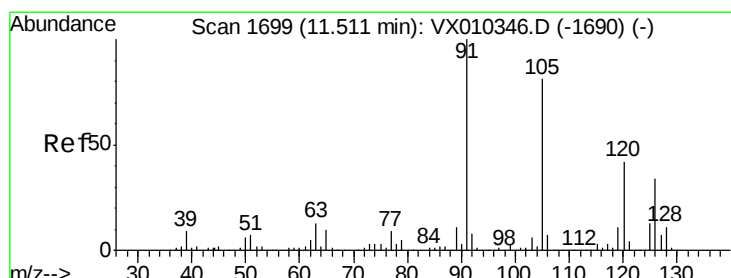
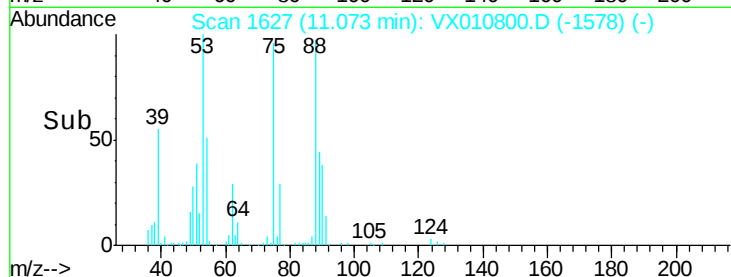
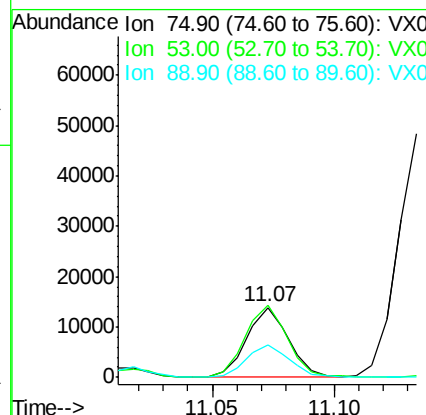
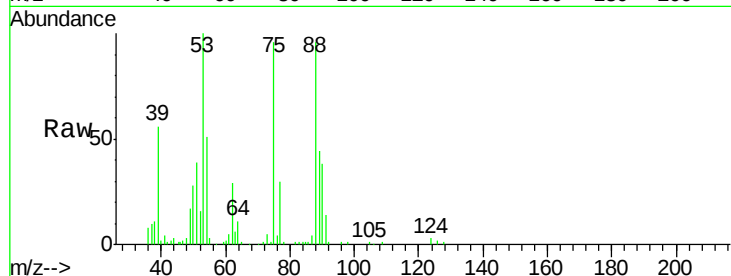
ClientSampleId :

VX0711MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.2	66.1	99.1#
89	47.5	37.8	56.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.715 ug/l

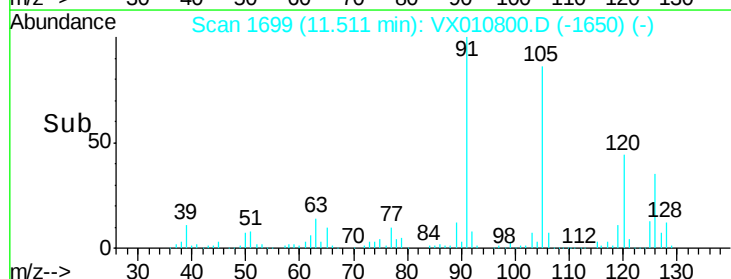
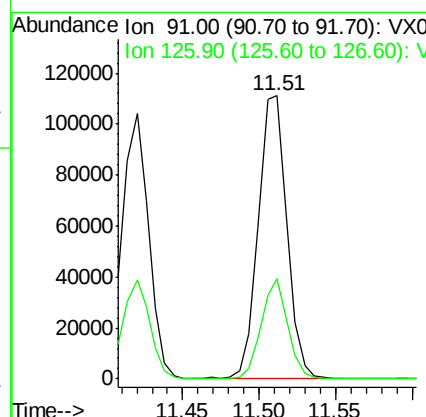
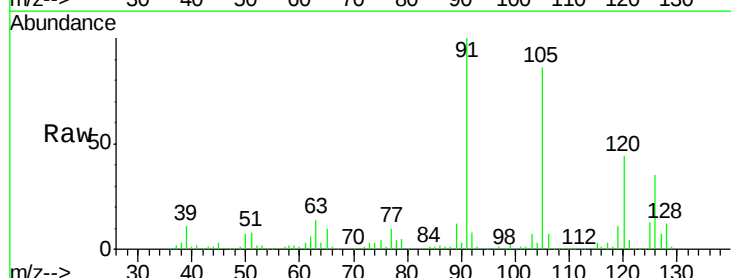
RT: 11.51 min Scan# 1699

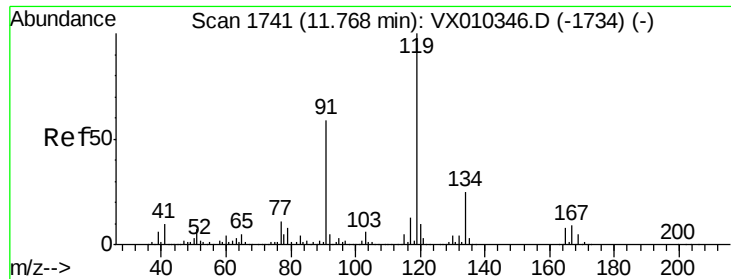
Delta R.T. -0.00 min

Lab File: VX010800.D

Acq: 11 Jul 2019 12:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.2	48.6





#83

tert-Butylbenzene

Concen: 18.444 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX010800.D

Acq: 11 Jul 2019 12:30

Instrument :

MSVOA_X

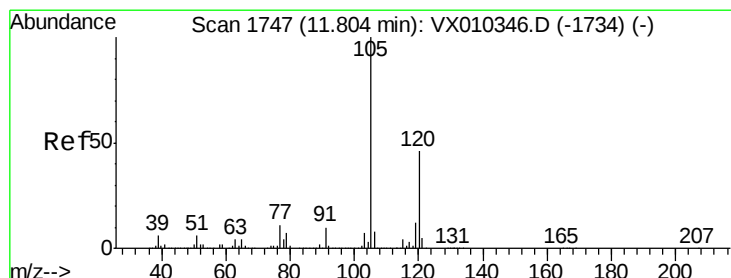
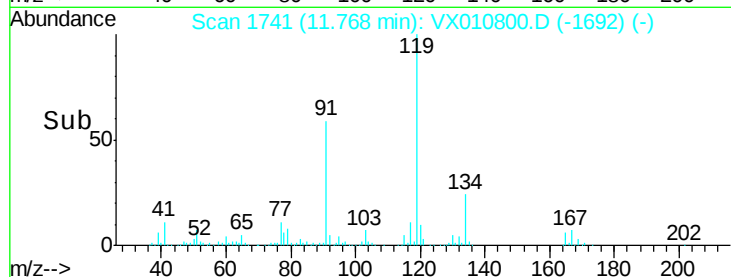
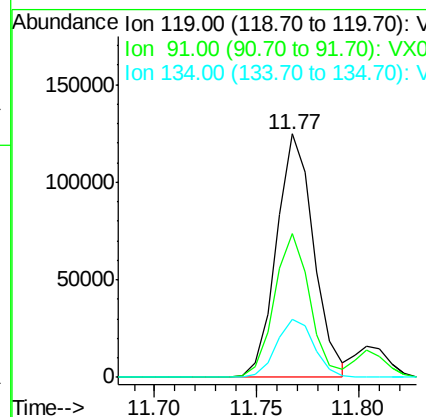
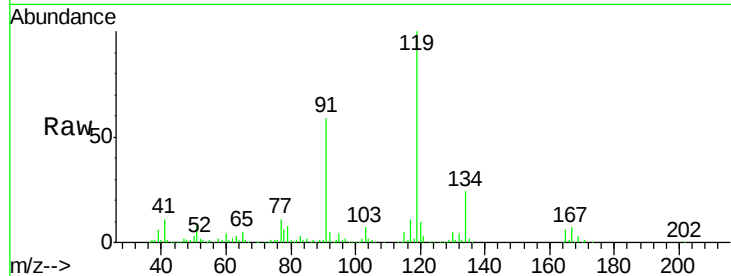
ClientSampleId :

VX0711MBS01

Tot Ion:	119	Resp:	158630
Ion Ratio	Lower	Upper	
119	100		
91	56.6	27.6	82.7
134	23.9	11.8	35.4

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#84

1,2,4-Trimethylbenzene

Concen: 18.947 ug/l

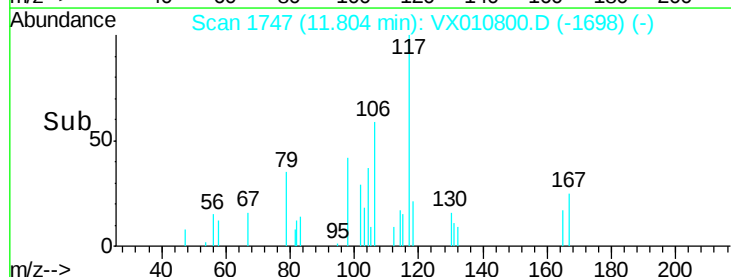
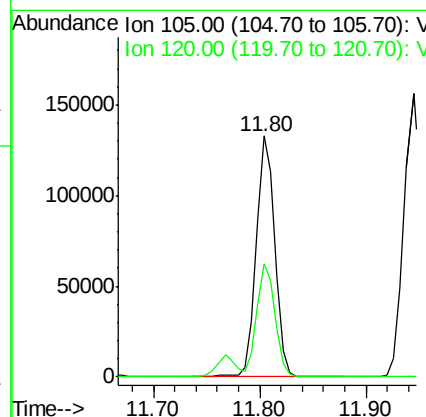
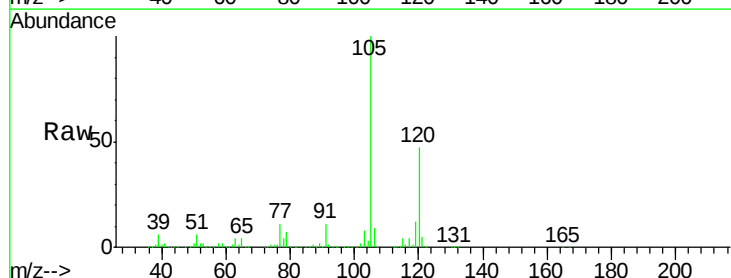
RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX010800.D

Acq: 11 Jul 2019 12:30

Tgt Ion:	105	Resp:	163119
Ion Ratio	Lower	Upper	
105	100		
120	46.2	23.1	69.2





#85

sec-Butylbenzene

Concen: 18.607 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010800.D

Acq: 11 Jul 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0711MBS01

Tot Ion:105 Resp: 187898

Ion Ratio Lower Upper

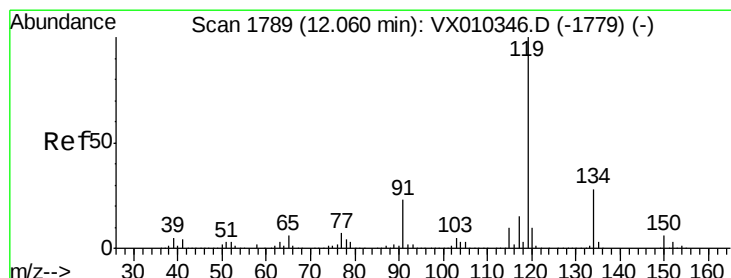
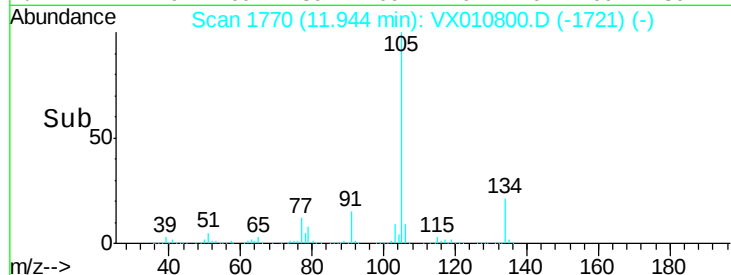
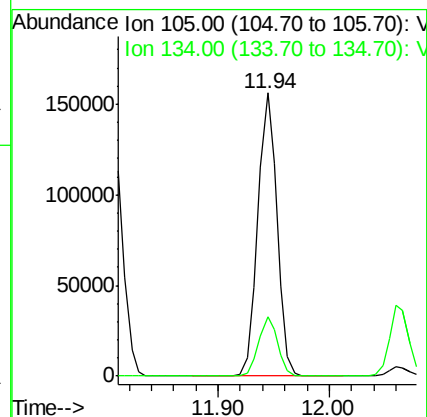
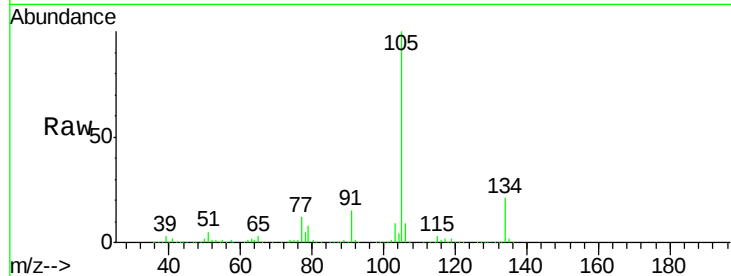
105 100

134 21.0 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 18.517 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010800.D

Acq: 11 Jul 2019 12:30

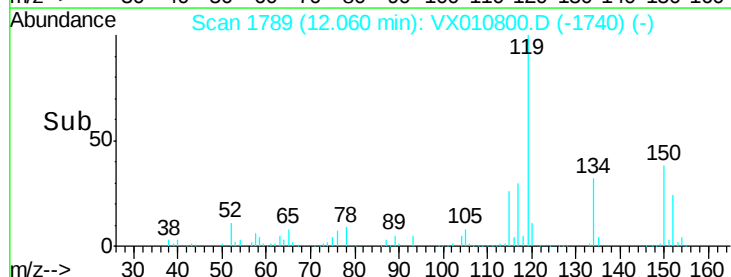
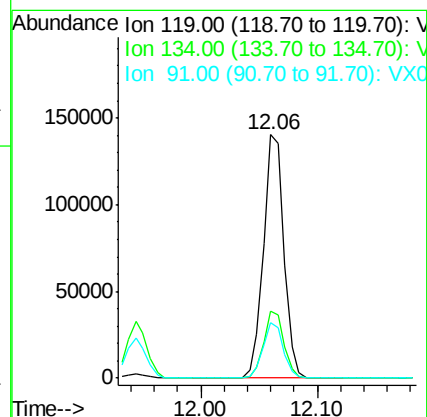
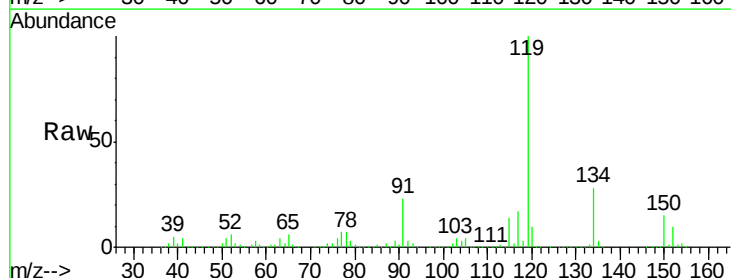
Tgt Ion:119 Resp: 172957

Ion Ratio Lower Upper

119 100

134 27.0 13.7 41.1

91 22.8 11.3 33.8





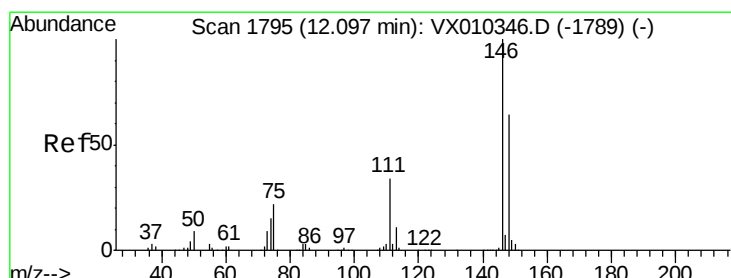
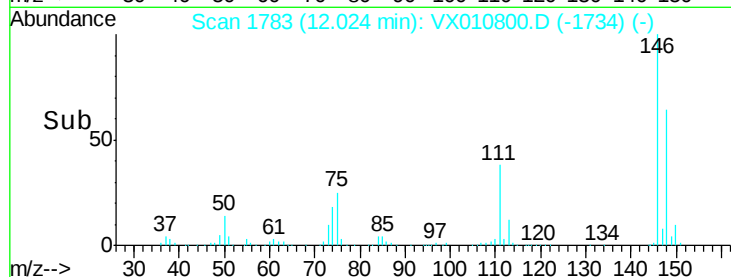
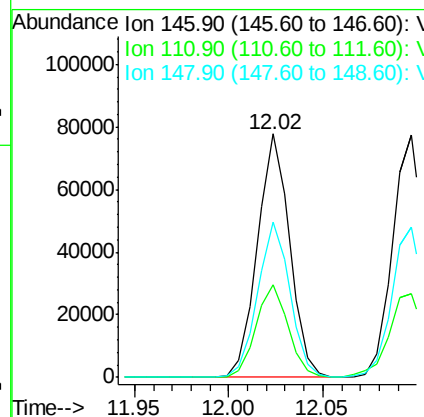
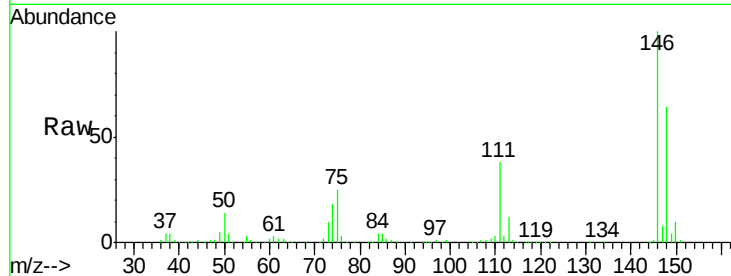
#87
 1,3-Dichlorobenzene
 Concen: 18.193 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX010800.D
 Acq: 11 Jul 2019 12:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.1
148	63.9	32.5	97.4

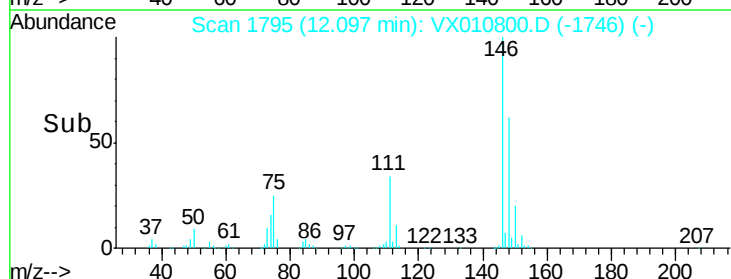
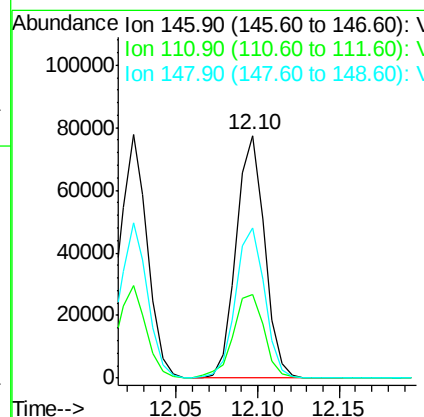
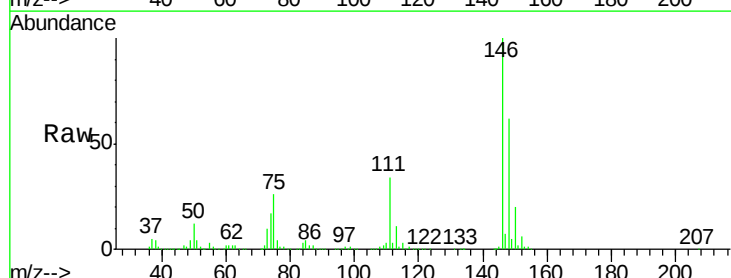
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#88
 1,4-Dichlorobenzene
 Concen: 18.232 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX010800.D
 Acq: 11 Jul 2019 12:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.1	54.3
148	63.6	32.1	96.3





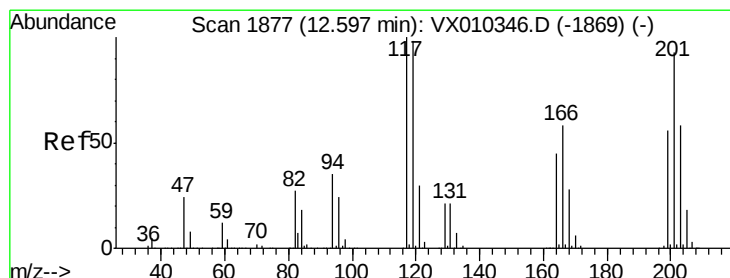
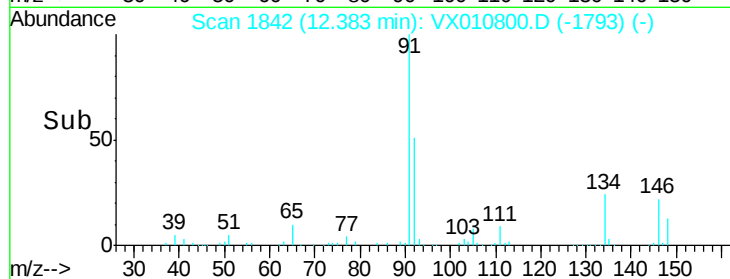
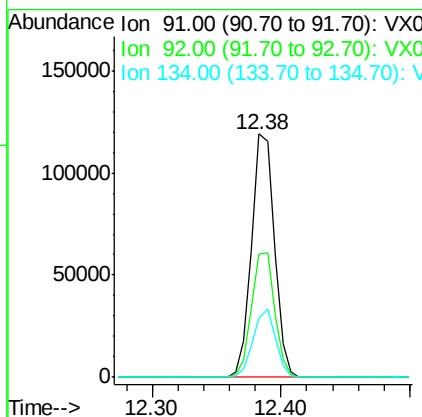
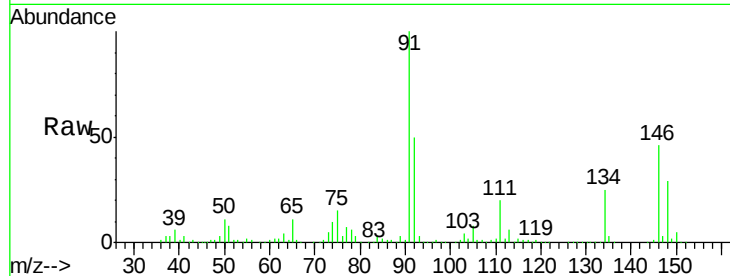
#89
n-Butylbenzene
Concen: 18.280 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010800.D
Acq: 11 Jul 2019 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0711MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		145093		
92	51.7	26.2	78.5		
134	27.2	14.1	42.4		

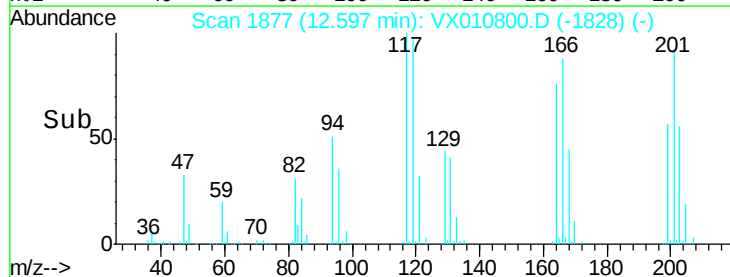
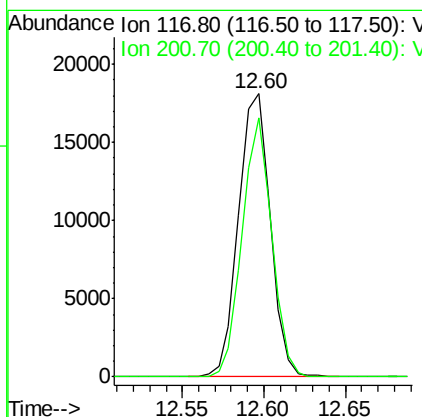
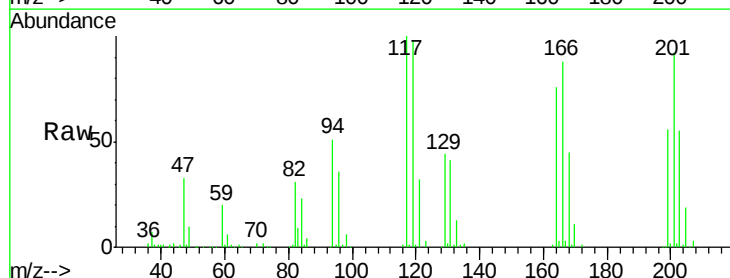
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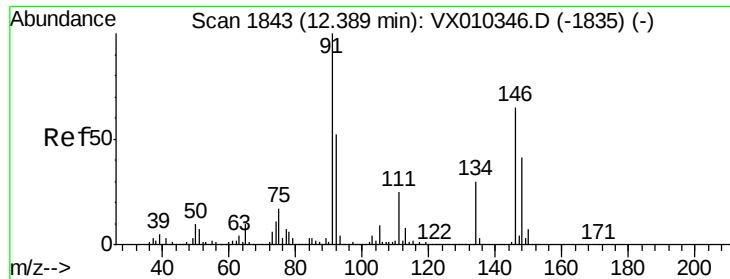
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#90
Hexachloroethane
Concen: 15.285 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX010800.D
Acq: 11 Jul 2019 12:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		24687		
201	85.2	44.0	131.8		





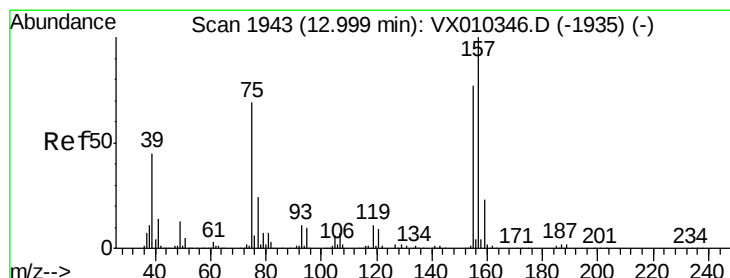
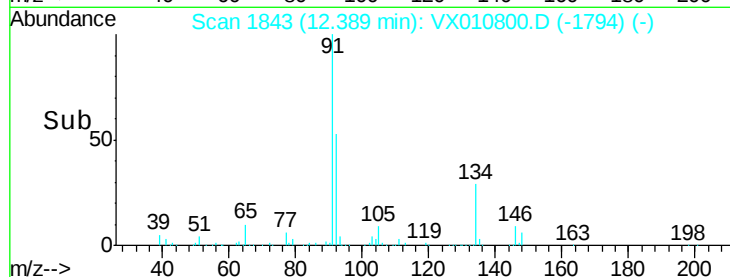
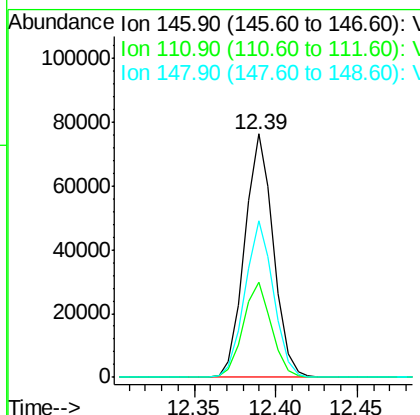
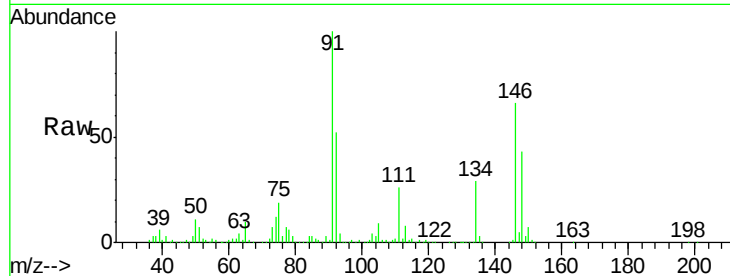
#91
 1,2-Dichlorobenzene
 Concen: 18.588 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX010800.D
 Acq: 11 Jul 2019 12:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.2	57.6
148	64.0	32.0	96.0

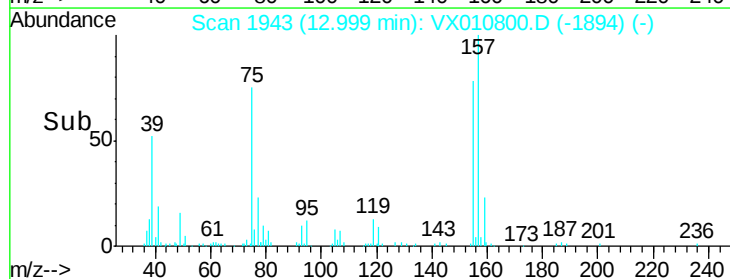
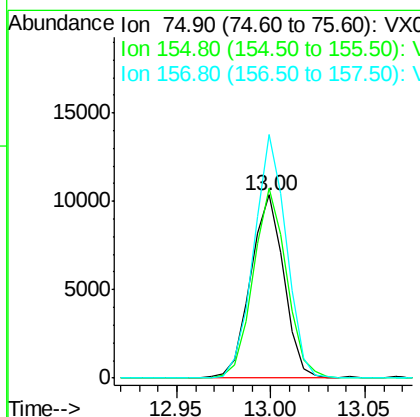
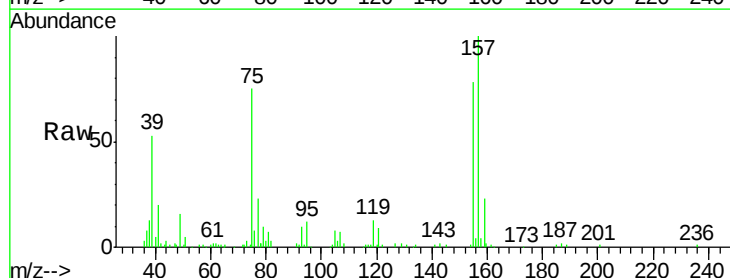
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.090 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX010800.D
 Acq: 11 Jul 2019 12:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.5	54.4	163.1
157	129.3	69.5	208.3





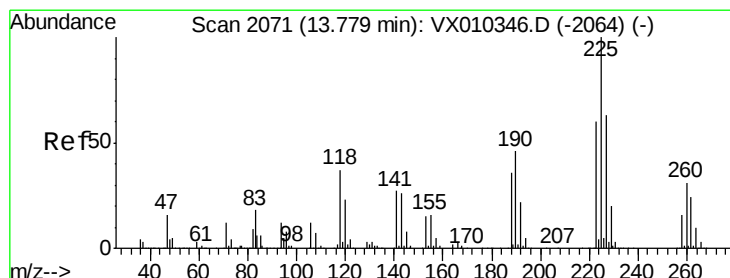
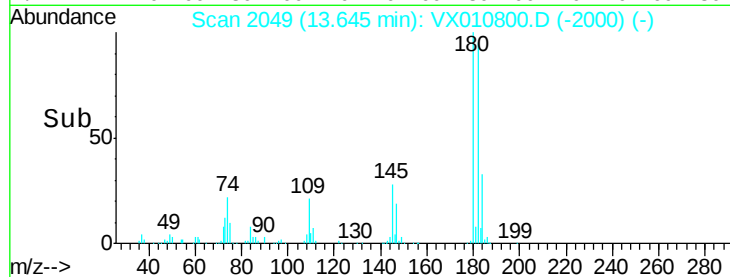
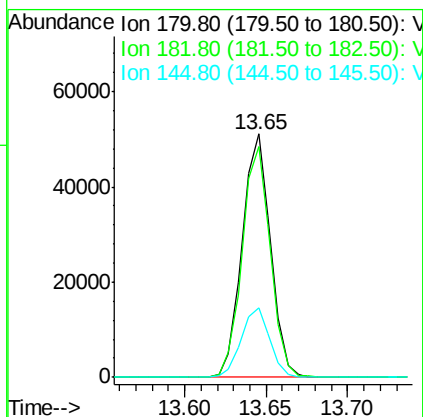
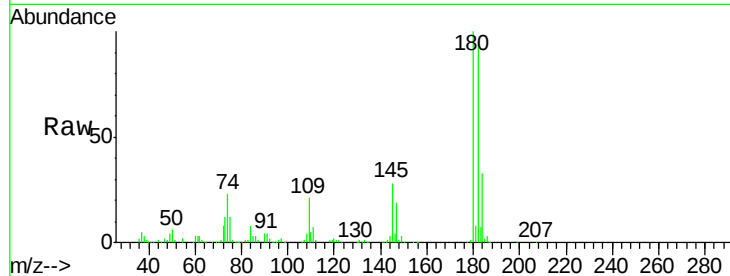
#93
 1,2,4-Trichlorobenzene
 Concen: 17.716 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010800.D
 Acq: 11 Jul 2019 12:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	61864		
182	94.6	48.0	144.0	
145	28.7	14.4	43.4	

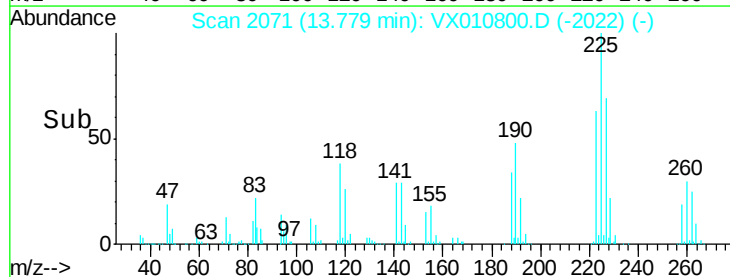
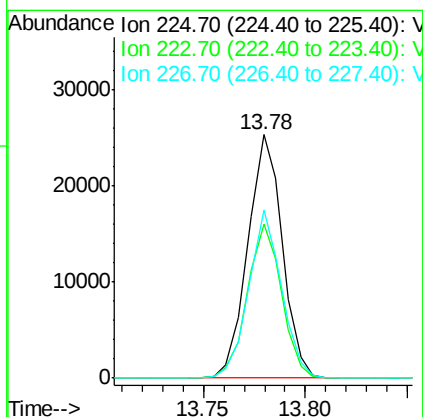
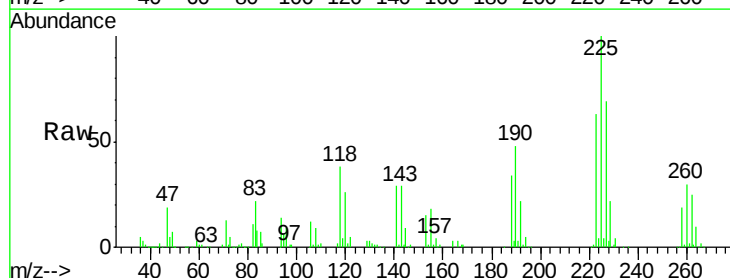
Manual Integrations
 APPROVED

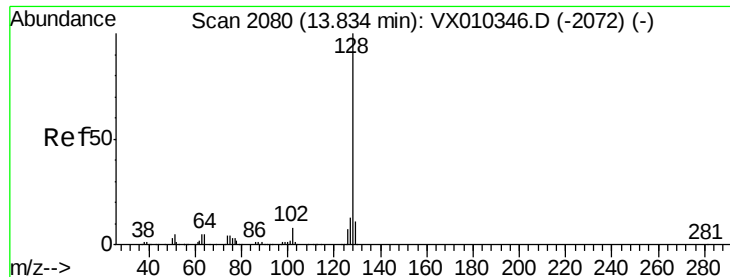
MMDadoda
 7/12/2019 12:21:58 PM



#94
 Hexachlorobutadiene
 Concen: 17.507 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX010800.D
 Acq: 11 Jul 2019 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	29878		
223	62.4	30.9	92.7	
227	65.7	31.9	95.5	





#95

Naphthalene

Concen: 17.526 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX010800.D

Acq: 11 Jul 2019 12:30

Instrument :

MSVOA_X

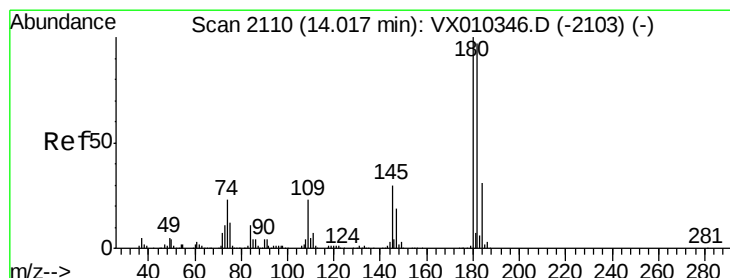
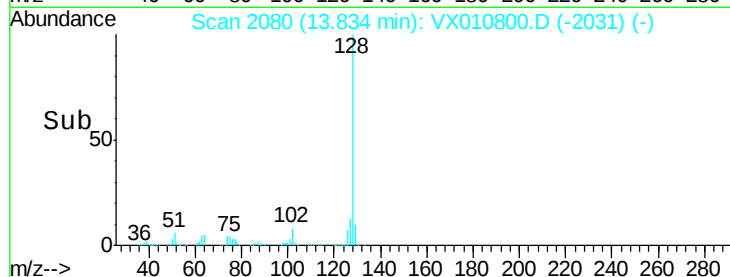
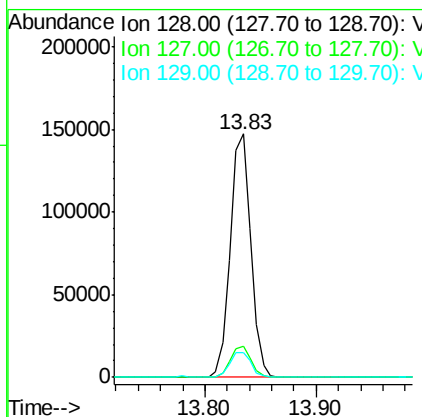
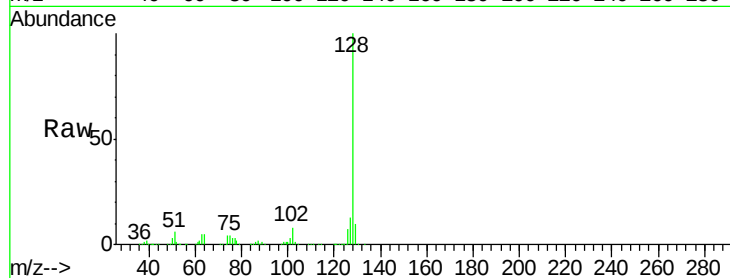
ClientSampleId :

VX0711MBS01

Tot Ion:	128	Resp:	188072
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.2	15.4
129	10.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/12/2019 12:21:58 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.237 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX010800.D

Acq: 11 Jul 2019 12:30

Tgt Ion:	180	Resp:	63315
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.8	143.3
145	29.7	15.2	45.6

