

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030419\
 Data File : VX007822.D
 Acq On : 04 Mar 2019 20:22
 Operator : JC/SP
 Sample : VX0304MBSD01
 Misc : 5.0µ/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0304MBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/5/2019 9:34:54 AM

Quant Time: Mar 04 22:47:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	304203	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	450230	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	395386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	197874	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	162055	43.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.02%	
35) Dibromofluoromethane	5.50	113	145520	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
50) Toluene-d8	8.71	98	526842	45.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.44%	
62) 4-Bromofluorobenzene	11.13	95	188610	44.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	45012	16.062	ug/l	99
3) Chloromethane	1.33	50	57342	18.465	ug/l	100
4) Vinyl Chloride	1.41	62	61317	19.246	ug/l	93
5) Bromomethane	1.64	94	31701	14.699	ug/l	99
6) Chloroethane	1.73	64	92313	45.352	ug/l	90
7) Trichlorofluoromethane	1.93	101	80551	16.493	ug/l	97
8) Diethyl Ether	2.19	74	36244	18.082	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	2.39	101	47980	16.253	ug/l	99
10) Methyl Iodide	2.51	142	69751	18.976	ug/l	97
11) Tert butyl alcohol	3.07	59	72091	100.835	ug/l	100
12) 1,1-Dichloroethene	2.38	96	49538	18.617	ug/l	99
13) Acrolein	2.30	56	42454	66.824	ug/l	98
14) Allyl chloride	2.73	41	103485	21.033	ug/l	88
15) Acrylonitrile	3.15	53	171954	102.203	ug/l	99
16) Acetone	2.45	43	141395	84.381	ug/l	99
17) Carbon Disulfide	2.57	76	147625	19.941	ug/l	98
18) Methyl Acetate	2.78	43	82836	22.654	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	178042	19.214	ug/l	99
20) Methylene Chloride	2.86	84	55798	18.033	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	53660	18.550	ug/l	95
22) Diisopropyl ether	3.87	45	196407	19.176	ug/l	96
23) Vinyl Acetate	3.82	43	844023	93.925	ug/l	98
24) 1,1-Dichloroethane	3.70	63	105539	18.960	ug/l	98
25) 2-Butanone	4.70	43	235981	92.451	ug/l	95
26) 2,2-Dichloropropane	4.59	77	65235	14.682	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	91333	24.813	ug/l	97
28) Bromochloromethane	5.02	49	54002	19.928	ug/l	87
29) Tetrahydrofuran	5.15	42	157516	93.618	ug/l	94
30) Chloroform	5.21	83	100924	16.926	ug/l	99
31) Cyclohexane	5.58	56	89844	17.159	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	86015	17.443	ug/l	98
36) 1,1-Dichloropropene	5.80	75	72529	17.918	ug/l	98
37) Ethyl Acetate	4.85	43	89714	19.953	ug/l	99
38) Carbon Tetrachloride	5.78	117	75477	18.563	ug/l	98

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MMDadoda
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	85700	16.752	ug/l	95
40) Benzene	6.15	78	230408	18.440	ug/l	100
41) Methacrylonitrile	5.06	41	50659	21.099	ug/l	94
42) 1,2-Dichloroethane	6.20	62	76350	18.180	ug/l	99
43) Isopropyl Acetate	6.46	43	138237	19.976	ug/l	98
44) Trichloroethene	7.21	130	70379	20.475	ug/l	94
45) 1,2-Dichloropropane	7.52	63	62411	19.282	ug/l	99
46) Dibromomethane	7.66	93	39024	17.282	ug/l	97
47) Bromodichloromethane	7.90	83	77634	19.839	ug/l	98
48) Methyl methacrylate	7.77	41	71113	19.604	ug/l	91
49) 1,4-Dioxane	7.75	88	27767	354.413	ug/l	92
51) 4-Methyl-2-Pentanone	8.65	43	451477	97.465	ug/l	99
52) Toluene	8.79	92	141918	18.012	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	81583	18.632	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	90809	19.123	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	59226	18.025	ug/l	97
56) Ethyl methacrylate	9.18	69	88649	18.973	ug/l	94
57) 1,3-Dichloropropane	9.37	76	98085	18.649	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	244735	94.983	ug/l	97
59) 2-Hexanone	9.49	43	341677	93.952	ug/l	99
60) Dibromochloromethane	9.58	129	64953	20.544	ug/l	98
61) 1,2-Dibromoethane	9.67	107	61688	18.083	ug/l	98
64) Tetrachloroethene	9.33	164	150713	46.954	ug/l	99
65) Chlorobenzene	10.14	112	156656	18.319	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	58915	19.751	ug/l	98
67) Ethyl Benzene	10.25	91	258005	18.213	ug/l	98
68) m/p-Xylenes	10.36	106	198881	36.088	ug/l	97
69) o-Xylene	10.69	106	97423	18.379	ug/l	97
70) Styrene	10.71	104	159493	18.305	ug/l	99
71) Bromoform	10.86	173	52877	23.639	ug/l	99
73) Isopropylbenzene	11.02	105	260179	18.397	ug/l	99
74) N-amyl acetate	10.90	43	119620	19.478	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	90274	18.456	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	85934m	20.374	ug/l	
77) Bromobenzene	11.26	156	70930	19.996	ug/l	96
78) n-propylbenzene	11.36	91	285805	17.884	ug/l	98
79) 2-Chlorotoluene	11.42	91	173604	18.041	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	210832	18.124	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	25809	18.420	ug/l	92
82) 4-Chlorotoluene	11.51	91	196789	17.482	ug/l	99
83) tert-Butylbenzene	11.77	119	217097	19.437	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	218143	18.333	ug/l	100
85) sec-Butylbenzene	11.94	105	253603	18.119	ug/l	99
86) p-Isopropyltoluene	12.06	119	225602	18.406	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	120340	18.290	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	122225	18.138	ug/l	99
89) n-Butylbenzene	12.38	91	182769	16.720	ug/l	100
90) Hexachloroethane	12.60	117	40204	19.467	ug/l	90
91) 1,2-Dichlorobenzene	12.39	146	123287	18.727	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	18784	17.625	ug/l	99

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Instrument :
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ClientSampleId :
VX0304MBSD01

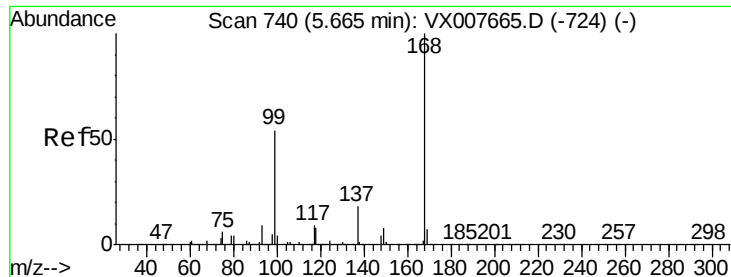
Manual Integrations
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3/5/2019 9:34:54 AM

Quant Time: Mar 04 22:47:49 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 26 01:53:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	83832	20.861	ug/l	99
94) Hexachlorobutadiene	13.78	225	44798	24.368	ug/l	99
95) Naphthalene	13.83	128	253106	19.440	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	85559	21.204	ug/l	100

(#) = 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: VX007822.D

Acq: 04 Mar 2019 20:22

Instrument :

MSVOA_X

ClientSampleId :

VX0304MBSD01

Tot Ion:168 Resp: 304203

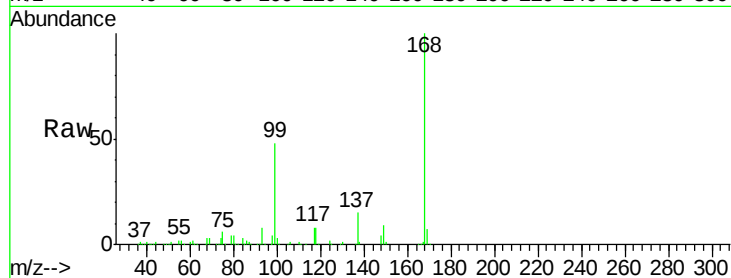
Ion Ratio Lower Upper

168 100

99 48.0 37.9 56.9

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3/5/2019 9:34:54 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

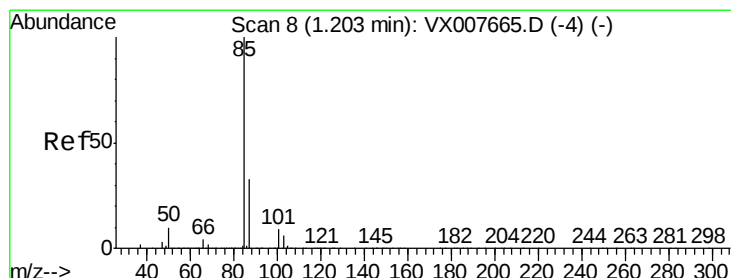
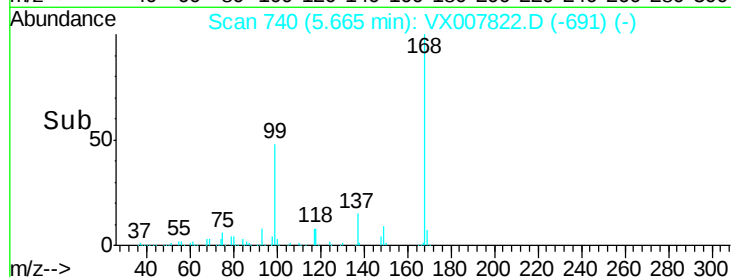
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 16.062 ug/l

RT: 1.20 min Scan# 8

Delta R.T. -0.00 min

Lab File: VX007822.D

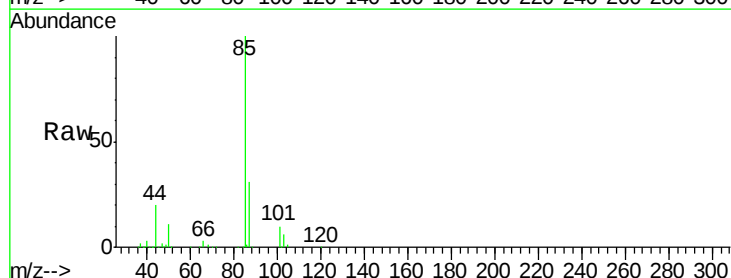
Acq: 04 Mar 2019 20:22

Tgt Ion: 85 Resp: 45012

Ion Ratio Lower Upper

85 100

87 31.0 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

50000

40000

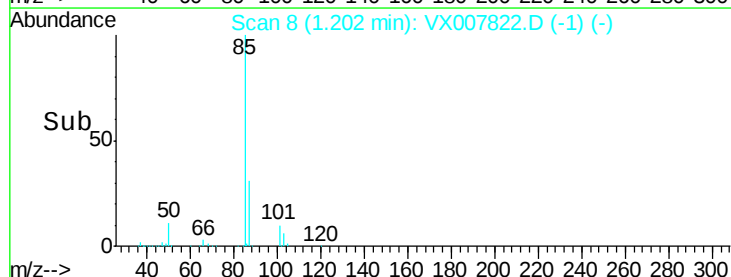
30000

20000

10000

0

Time-->





#3

Chloromethane

Concen: 18.465 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007822.D

Acq: 04 Mar 2019 20:22

Instrument :

MSVOA_X

ClientSampleId :

VX0304MBSD01

Tot Ion: 50 Resp: 57342

Ion Ratio Lower Upper

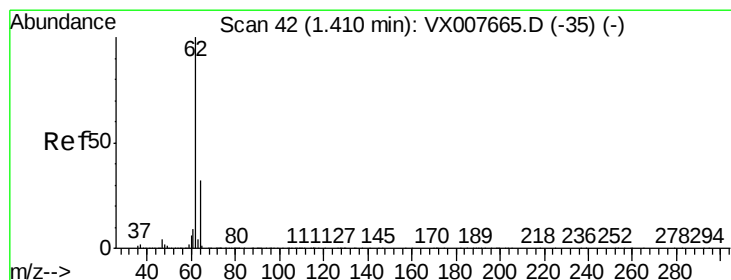
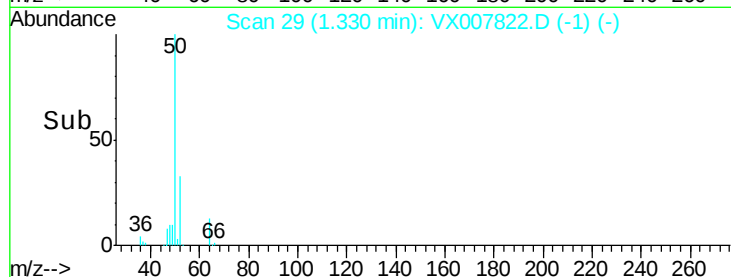
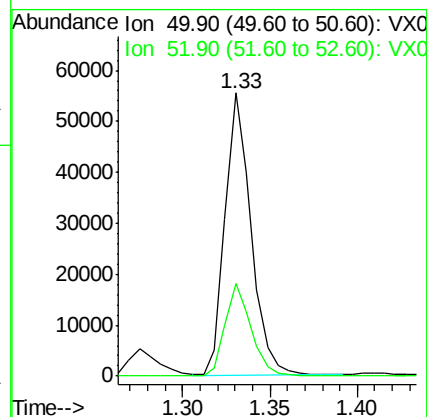
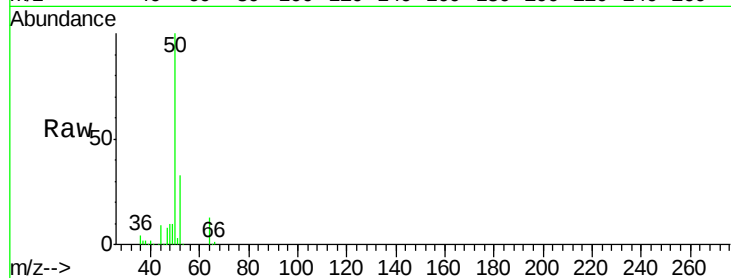
50 100

52 32.9 26.1 39.1

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#4

Vinyl Chloride

Concen: 19.246 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007822.D

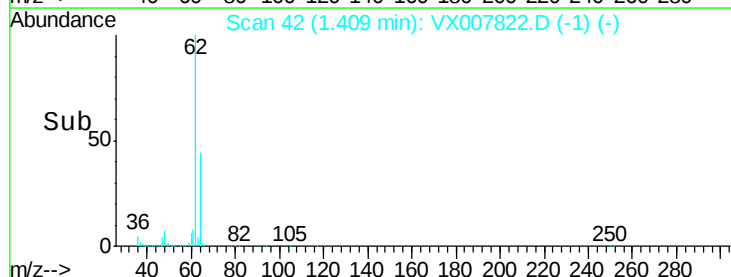
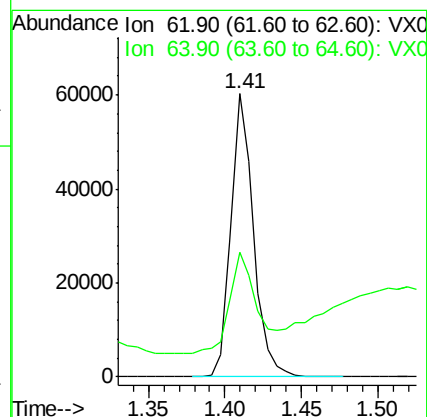
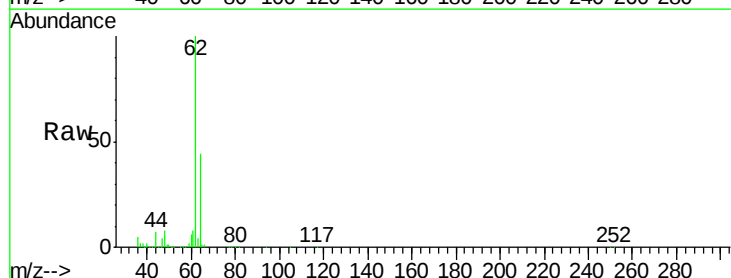
Acq: 04 Mar 2019 20:22

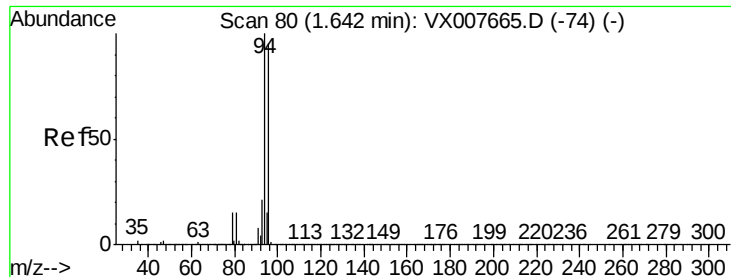
Tgt Ion: 62 Resp: 61317

Ion Ratio Lower Upper

62 100

64 35.5 25.4 38.0





#5

Bromomethane

Concen: 14.699 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007822.D

Acq: 04 Mar 2019 20:22

Instrument :

MSVOA_X

ClientSampleId :

VX0304MBSD01

Tot Ion: 94 Resp: 31701

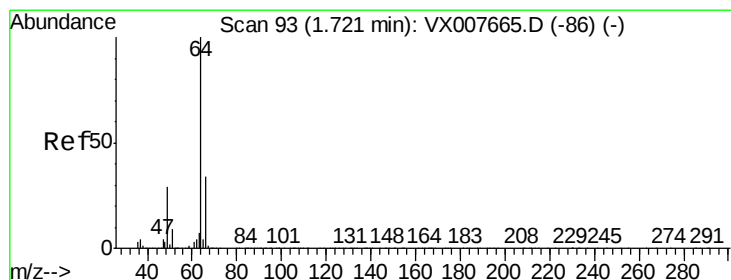
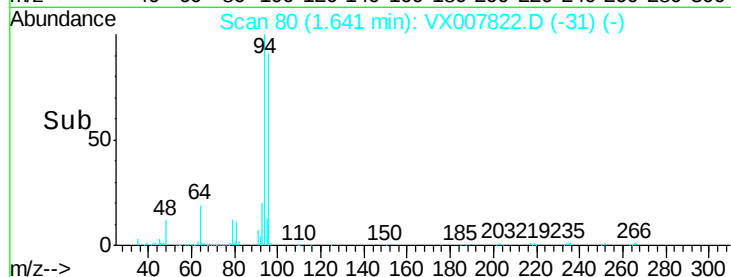
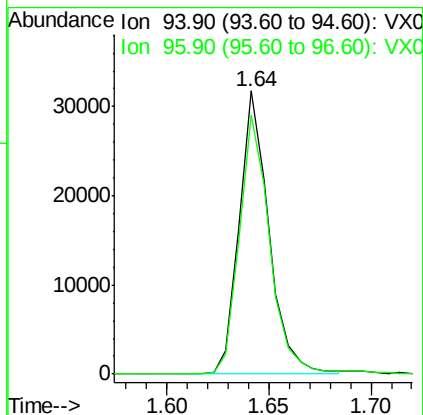
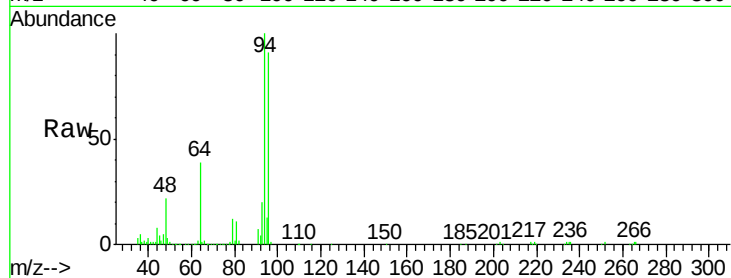
Ion Ratio Lower Upper

94 100

96 91.6 73.9 110.9

Manual Integrations
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3/5/2019 9:34:54 AM



#6

Chloroethane

Concen: 45.352 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX007822.D

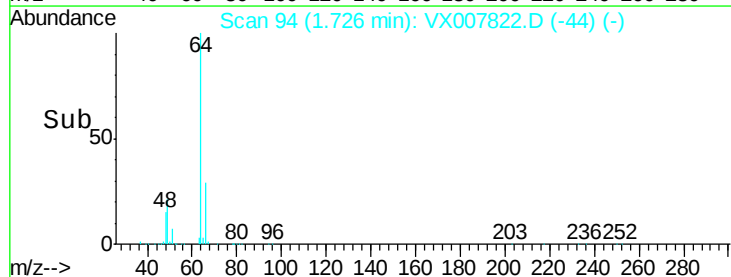
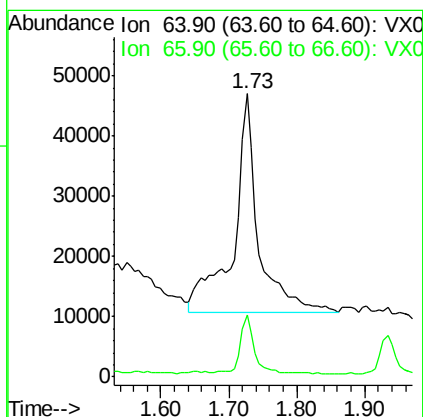
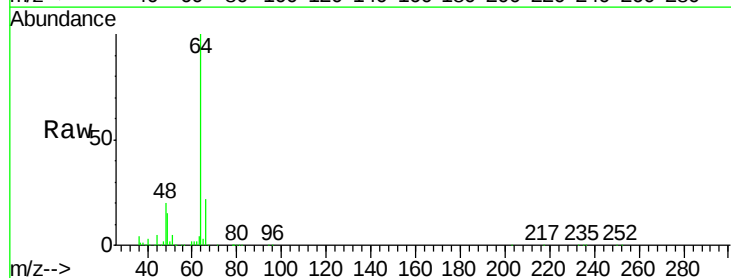
Acq: 04 Mar 2019 20:22

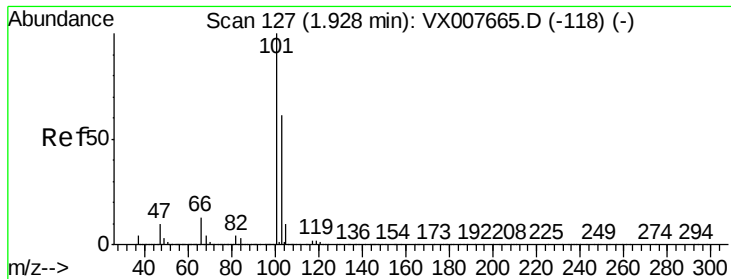
Tgt Ion: 64 Resp: 92313

Ion Ratio Lower Upper

64 100

66 26.5 25.5 38.3





#7

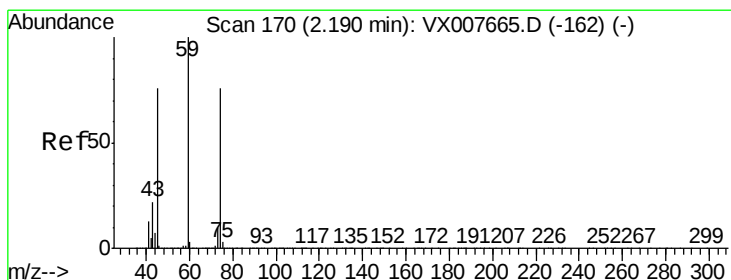
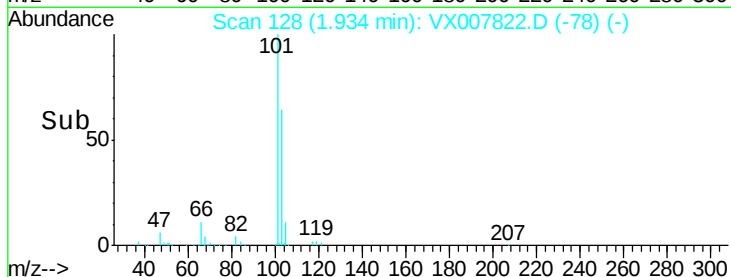
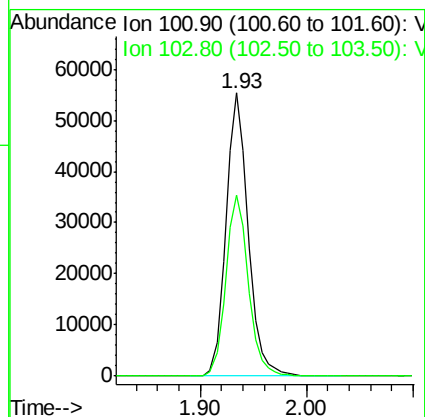
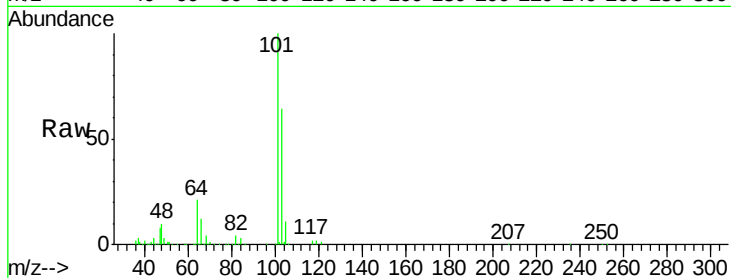
Trichlorofluoromethane
Concen: 16.493 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX007822.D
Acq: 04 Mar 2019 20:22

Instrument :
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ClientSampleId :
VX0304MBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.6	79.0

Manual Integrations
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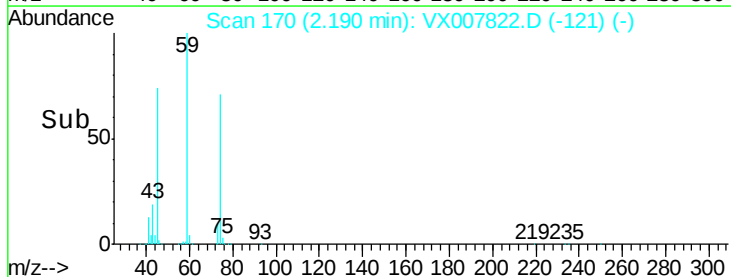
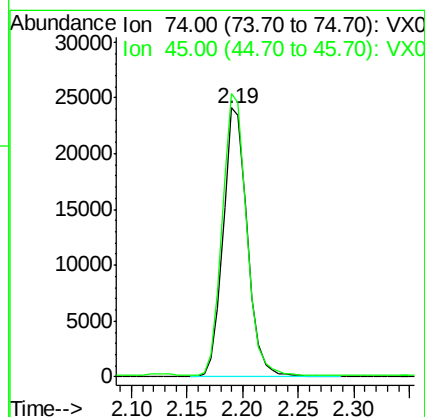
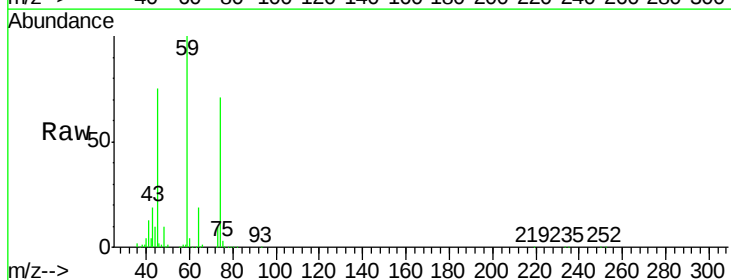
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3/5/2019 9:34:54 AM



#8

Diethyl Ether
Concen: 18.082 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007822.D
Acq: 04 Mar 2019 20:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.5	45.7	137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.253 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX007822.D

Acq: 04 Mar 2019 20:22

Instrument :

MSVOA_X

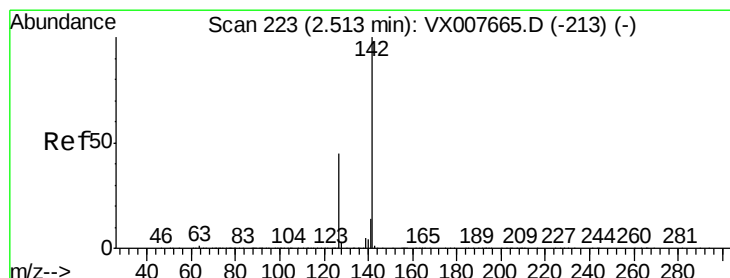
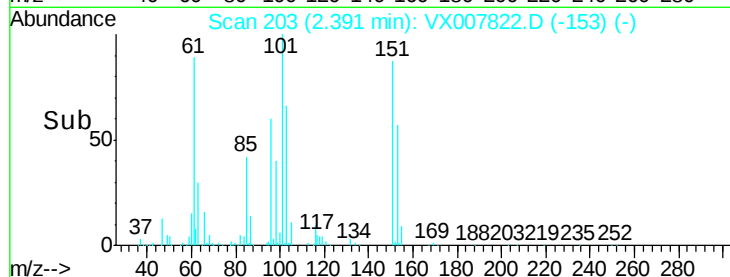
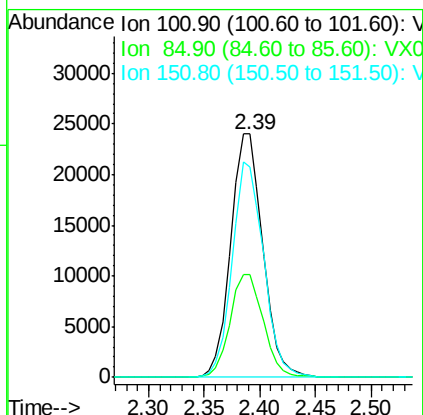
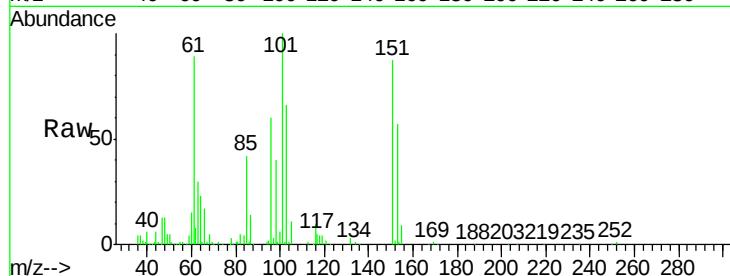
ClientSampleId :

VX0304MBSD01

Tot Ion:	101	Resp:	47980
Ion Ratio	Lower	Upper	
101	100		
85	43.9	34.1	51.1
151	86.4	69.9	104.9

Manual Integrations
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3/5/2019 9:34:54 AM



#10

Methyl Iodide

Concen: 18.976 ug/l

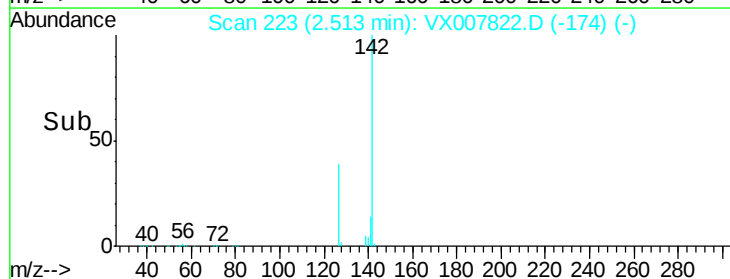
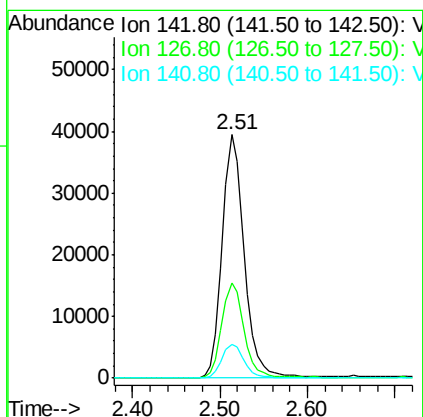
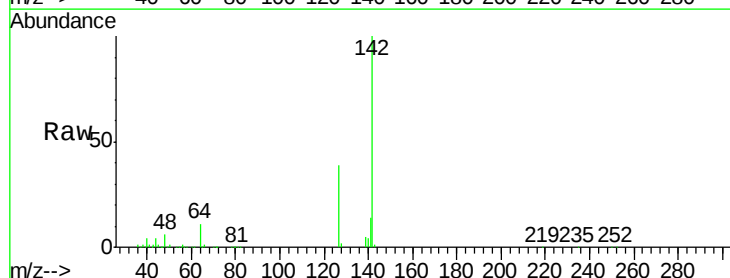
RT: 2.51 min Scan# 223

Delta R.T. -0.00 min

Lab File: VX007822.D

Acq: 04 Mar 2019 20:22

Tgt Ion:	142	Resp:	69751
Ion Ratio	Lower	Upper	
142	100		
127	39.3	33.7	50.5
141	14.3	11.3	16.9





#11

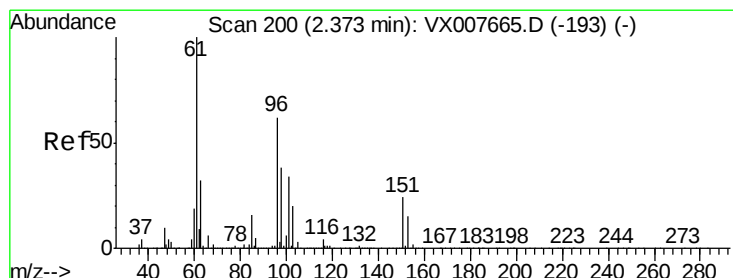
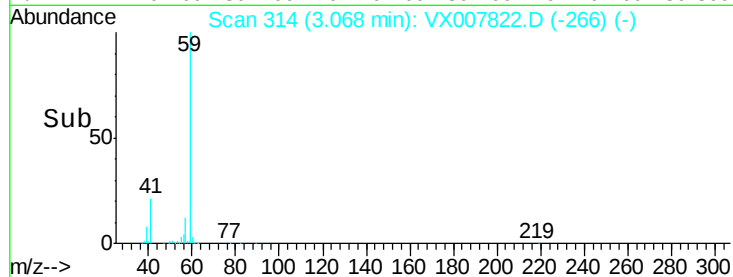
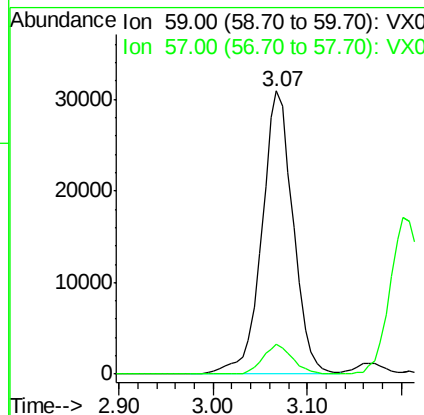
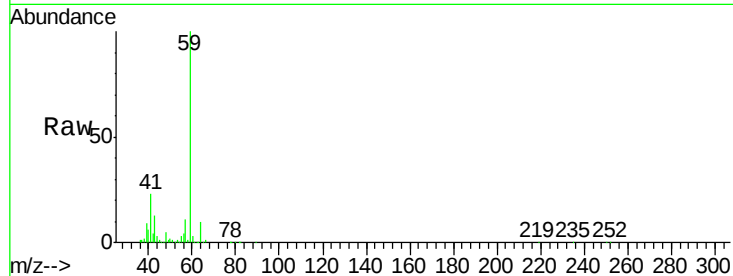
Tert butyl alcohol
 Concen: 100.835 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX007822.D
 Acq: 04 Mar 2019 20:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0304MBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.1	12.1

Manual Integrations
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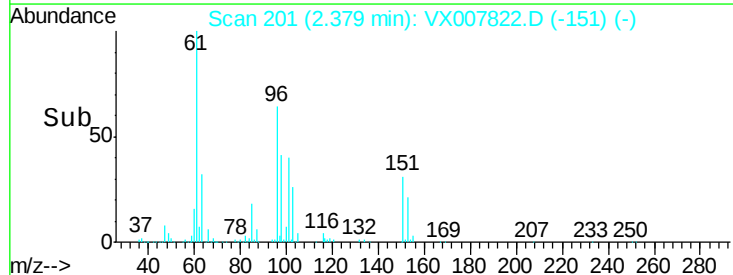
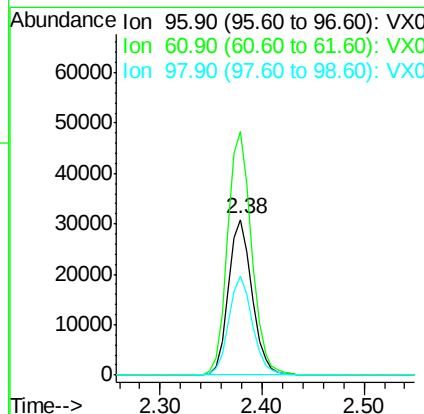
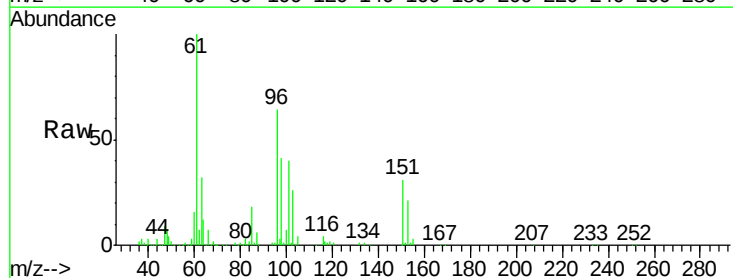
MMDadoda
 3/5/2019 9:34:54 AM

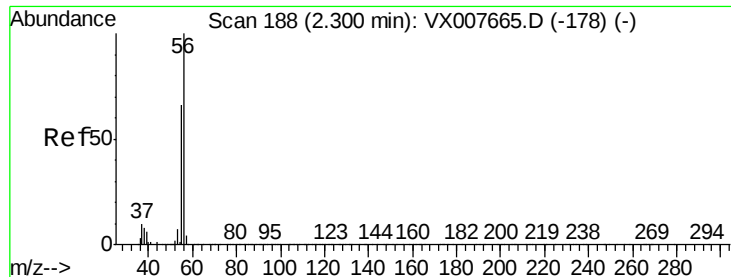


#12

1,1-Dichloroethene
 Concen: 18.617 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. 0.01 min
 Lab File: VX007822.D
 Acq: 04 Mar 2019 20:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.2	123.0	184.4
98	63.8	50.9	76.3





#13

Acrolein

Concen: 66.824 ug/l

RT: 2.30 min Scan# 188

Delta R.T. -0.00 min

Lab File: VX007822.D

Acq: 04 Mar 2019 20:22

Instrument :

MSVOA_X

ClientSampleId :

VX0304MBSD01

Tot Ion: 56 Resp: 42454

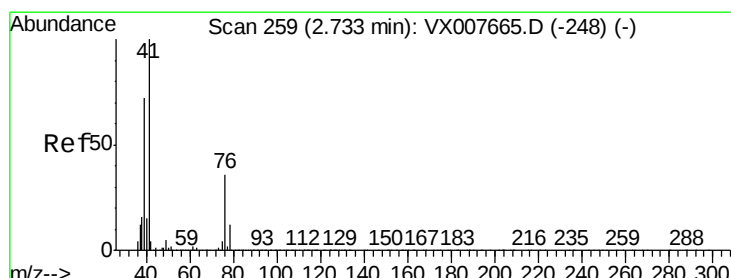
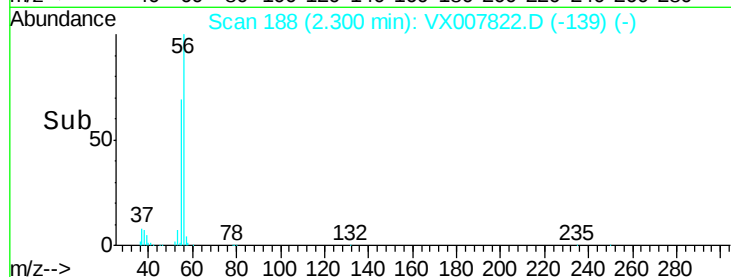
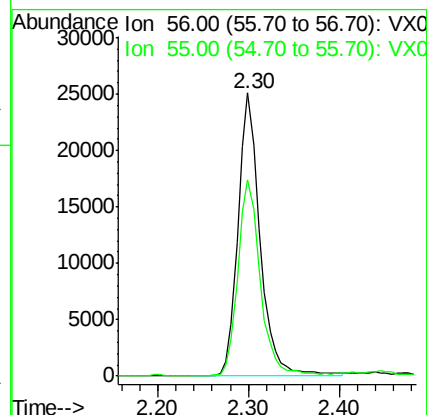
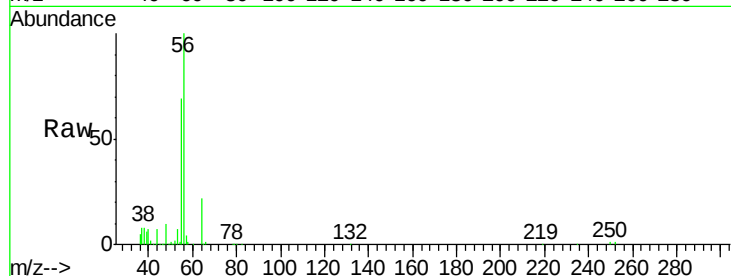
Ion Ratio Lower Upper

56 100

55 69.3 56.9 85.3

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#14

Allyl chloride

Concen: 21.033 ug/l

RT: 2.73 min Scan# 259

Delta R.T. -0.00 min

Lab File: VX007822.D

Acq: 04 Mar 2019 20:22

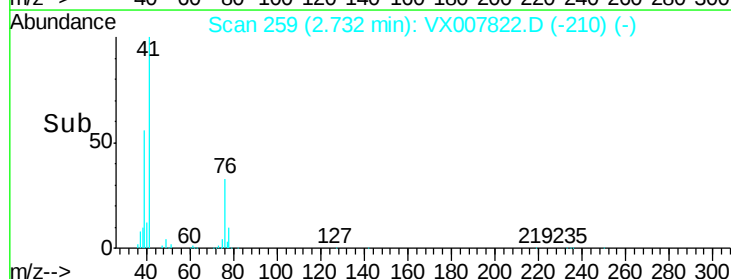
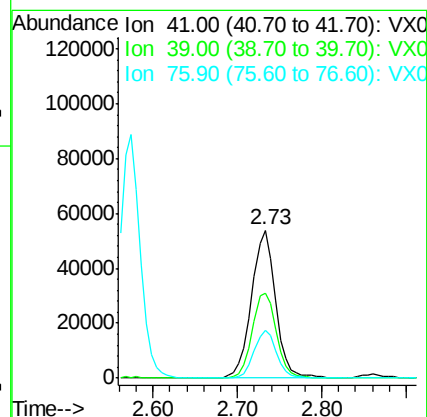
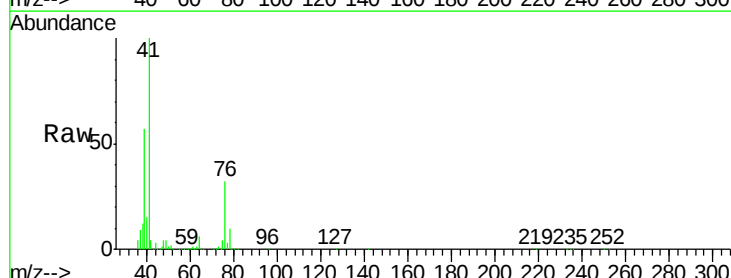
Tgt Ion: 41 Resp: 103485

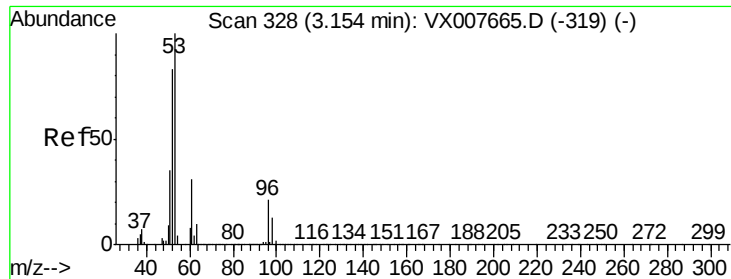
Ion Ratio Lower Upper

41 100

39 57.0 54.1 81.1

76 29.9 27.8 41.8





#15

Acrylonitrile

Concen: 102.203 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX007822.D

Acq: 04 Mar 2019 20:22

Instrument :

MSVOA_X

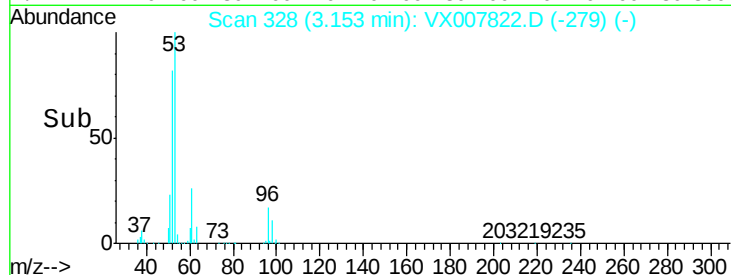
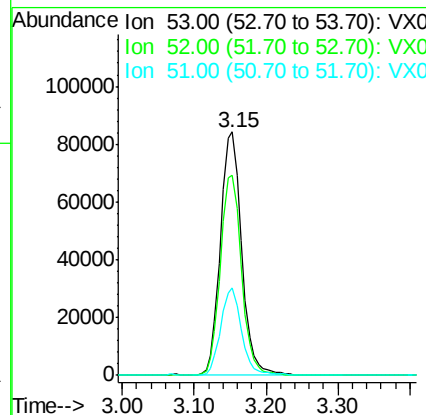
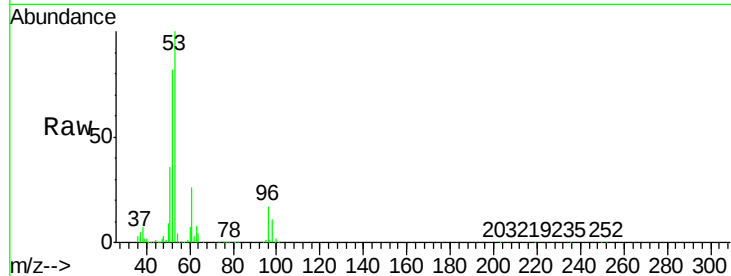
ClientSampleId :

VX0304MBS01

Tot Ion:	53	Resp:	171954
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.4	99.6
51	35.4	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 84.381 ug/l

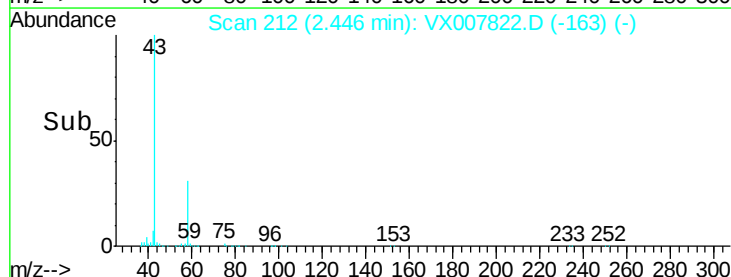
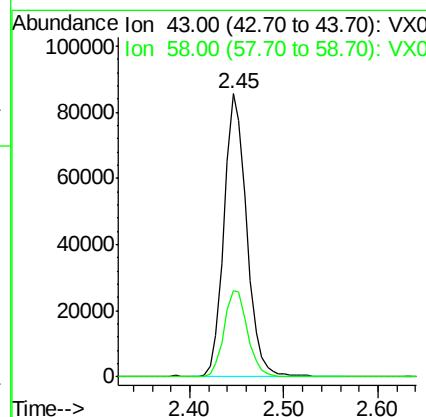
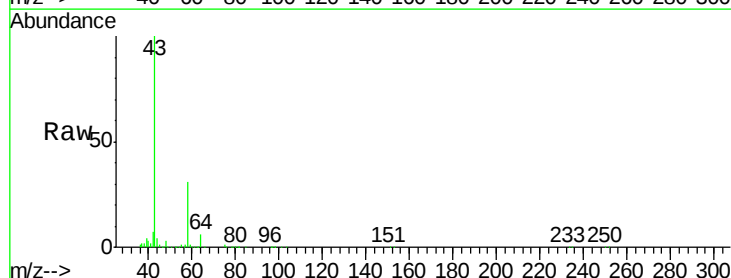
RT: 2.45 min Scan# 212

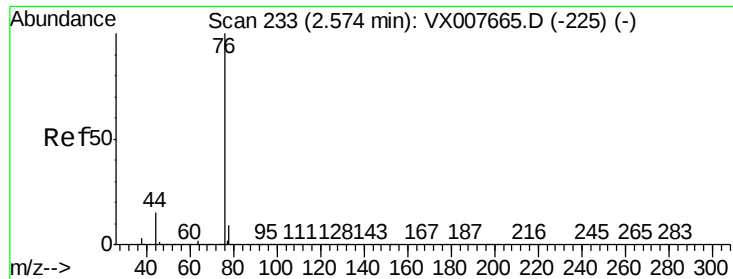
Delta R.T. -0.00 min

Lab File: VX007822.D

Acq: 04 Mar 2019 20:22

Tgt Ion:	43	Resp:	141395
Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.9	37.3





#17

Carbon Disulfide

Concen: 19.941 ug/l

RT: 2.57 min Scan# 233

Delta R.T. -0.00 min

Lab File: VX007822.D

Acq: 04 Mar 2019 20:22

Instrument :

MSVOA_X

ClientSampleId :

VX0304MBSD01

Tot Ion: 76 Resp: 147625

Ion Ratio Lower Upper

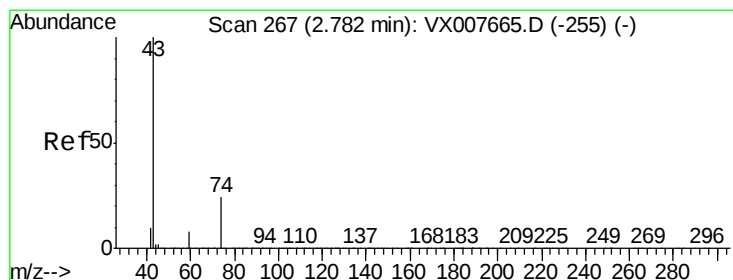
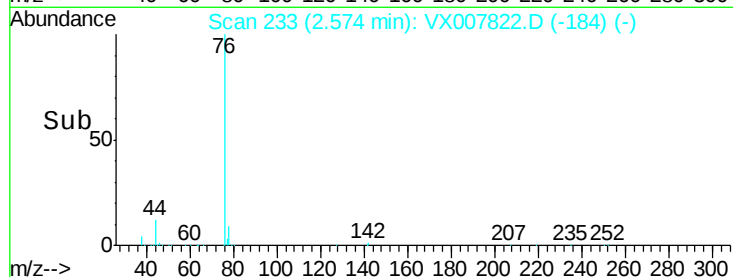
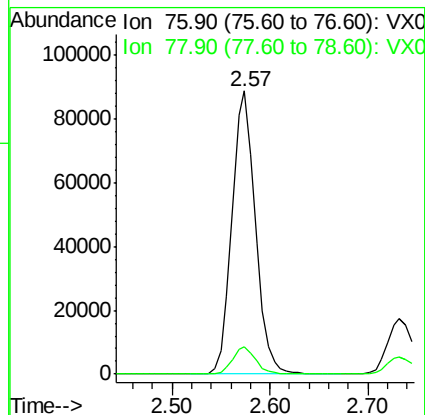
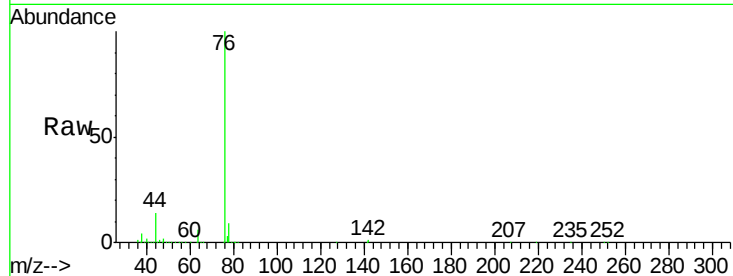
76 100

78 9.5 7.1 10.7

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#18

Methyl Acetate

Concen: 22.654 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX007822.D

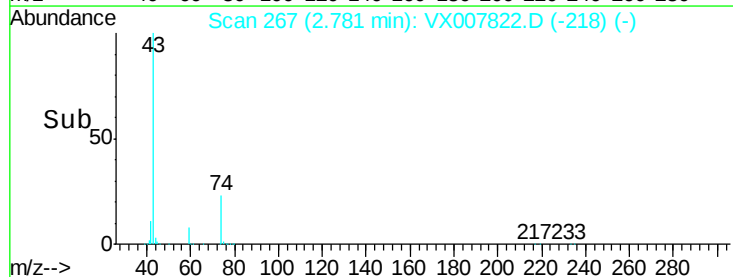
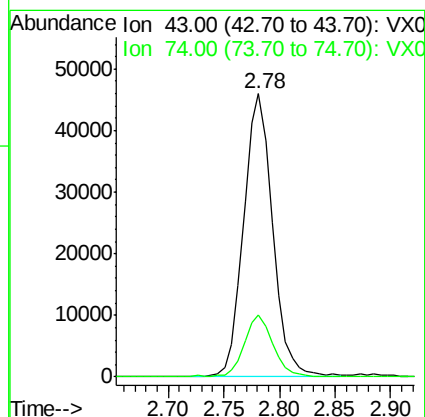
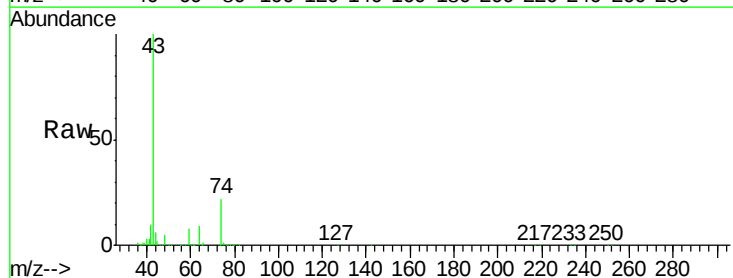
Acq: 04 Mar 2019 20:22

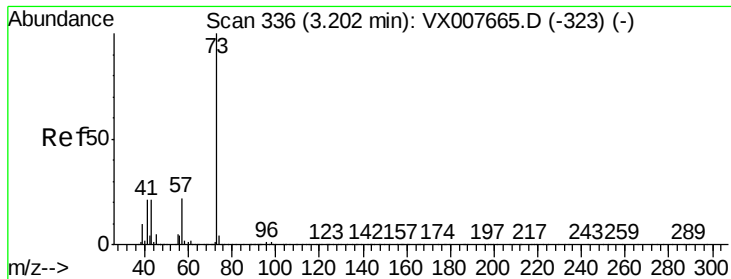
Tgt Ion: 43 Resp: 82836

Ion Ratio Lower Upper

43 100

74 22.1 19.4 29.2





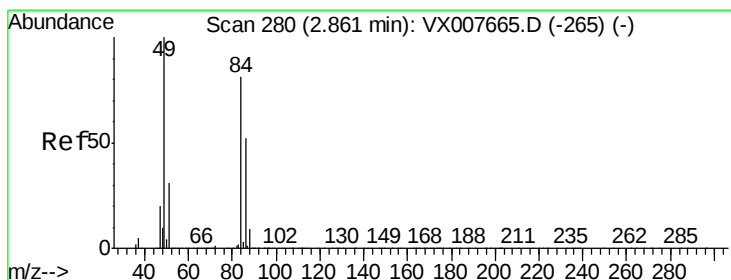
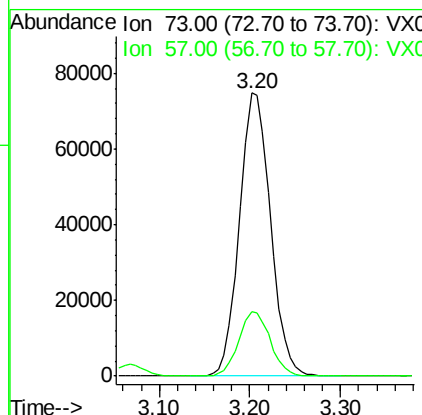
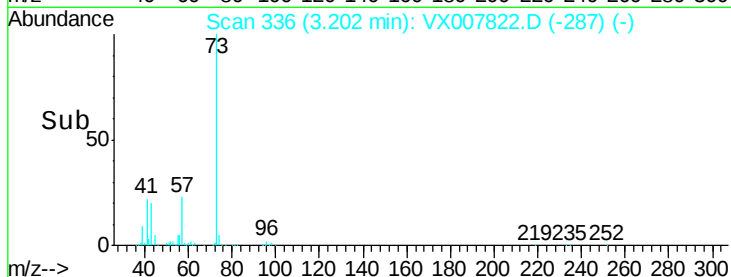
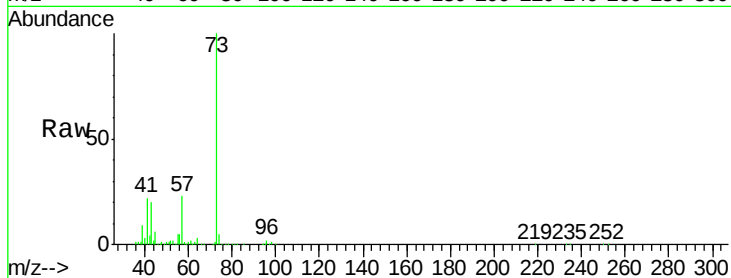
#19
Methvl tert-butvl Ether
Concen: 19.214 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX007822.D
Acq: 04 Mar 2019 20:22

Instrument :
MSVOA_X
ClientSampleId :
VX0304MBSD01

Tot Ion: 73 Resp: 178042
Ion Ratio Lower Upper
73 100
57 22.9 17.8 26.8

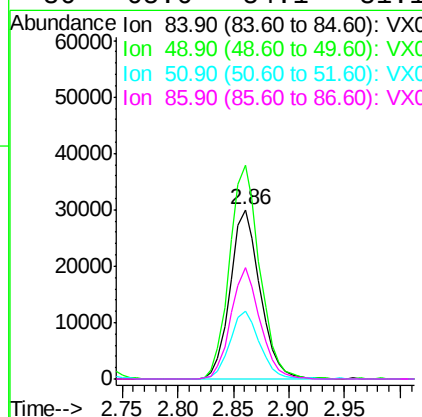
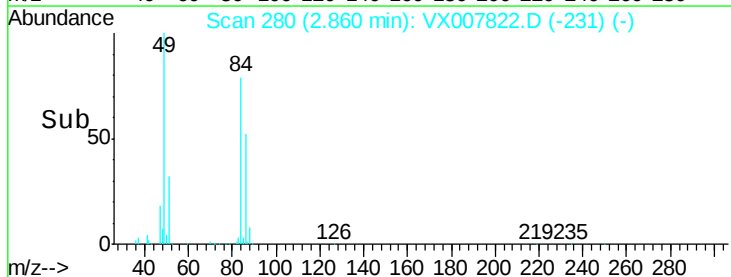
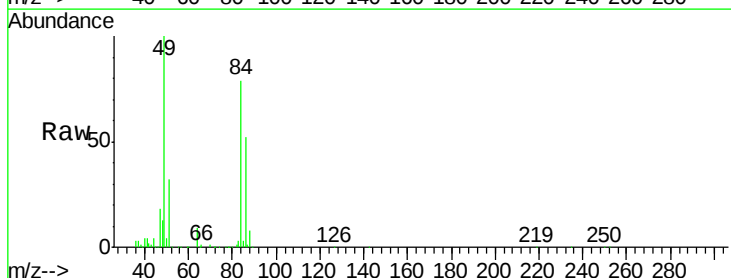
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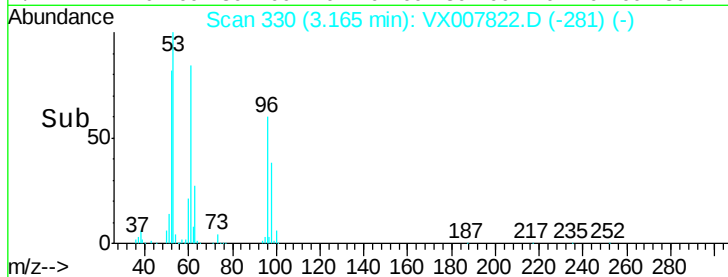
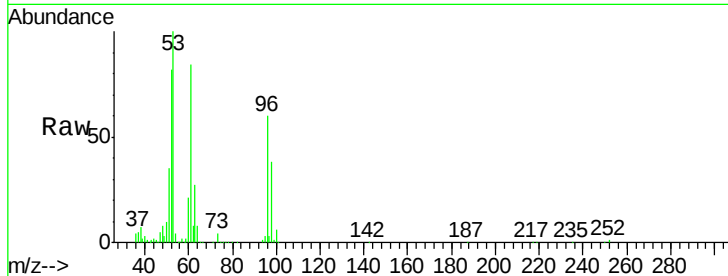
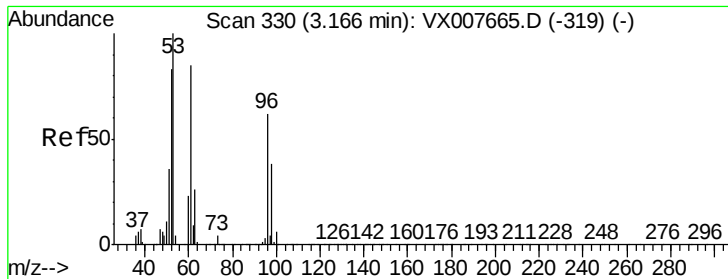
MMDadoda
3/5/2019 9:34:54 AM



#20
Methylene Chloride
Concen: 18.033 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX007822.D
Acq: 04 Mar 2019 20:22

Tgt Ion: 84 Resp: 55798
Ion Ratio Lower Upper
84 100
49 126.0 94.8 142.2
51 39.7 29.8 44.8
86 65.6 54.1 81.1





#21

trans-1,2-Dichloroethene

Concen: 18.550 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007822.D

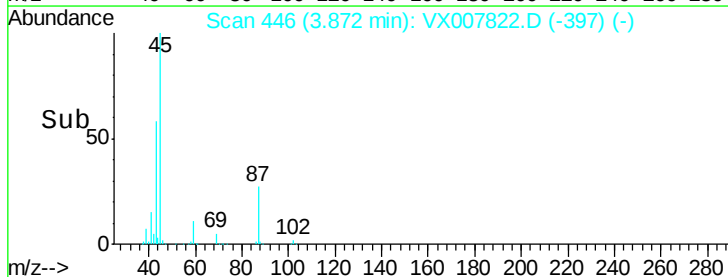
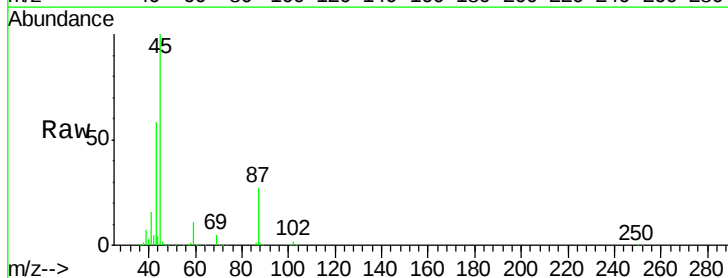
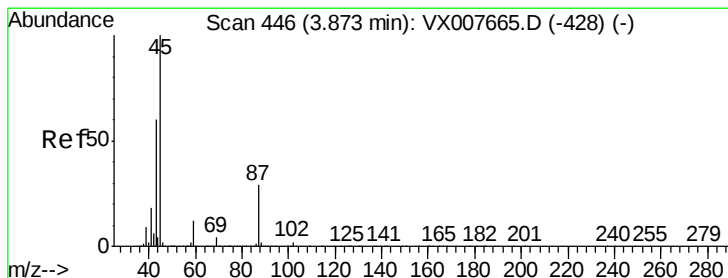
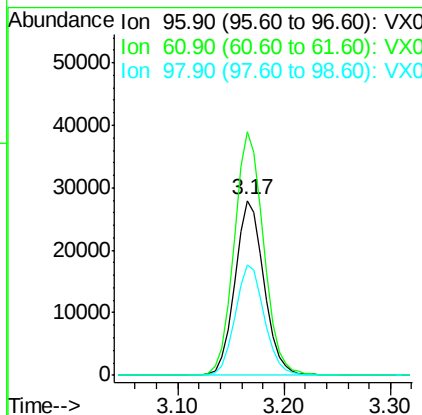
Acq: 04 Mar 2019 20:22

Tot Ion:	96	Resp:	53660
Ion Ratio	Lower	Upper	
96	100		
61	139.0	104.6	156.8
98	63.1	51.0	76.4

Instrument :
MSVOA_X
ClientSampleId :
VX0304MBSD01

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3/5/2019 9:34:54 AM



#22

Diisopropyl ether

Concen: 19.176 ug/l

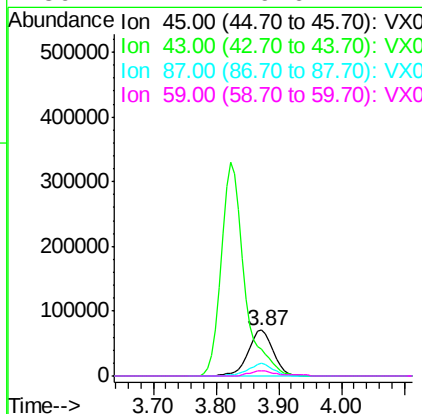
RT: 3.87 min Scan# 446

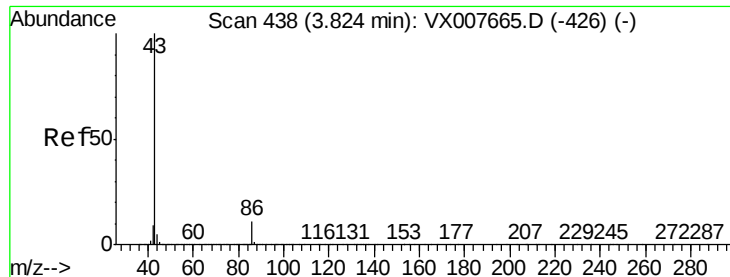
Delta R.T. -0.00 min

Lab File: VX007822.D

Acq: 04 Mar 2019 20:22

Tgt Ion:	45	Resp:	196407
Ion Ratio	Lower	Upper	
45	100		
43	58.1	48.9	73.3
87	26.7	23.9	35.9
59	11.4	9.6	14.4





#23

Vinyl Acetate

Concen: 93.925 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX007822.D

Acq: 04 Mar 2019 20:22

Tot Ion: 43 Resp: 844023

Ion Ratio Lower Upper

43 100

86 10.0 8.7 13.1

Instrument :

MSVOA_X

ClientSampleId :

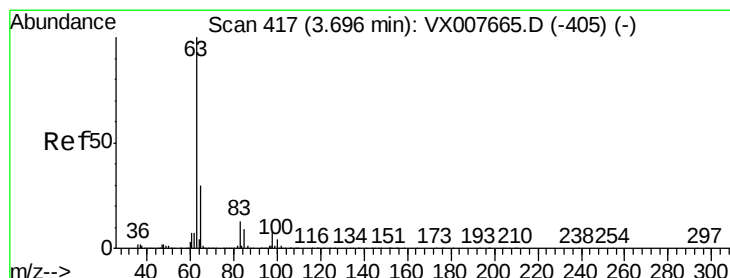
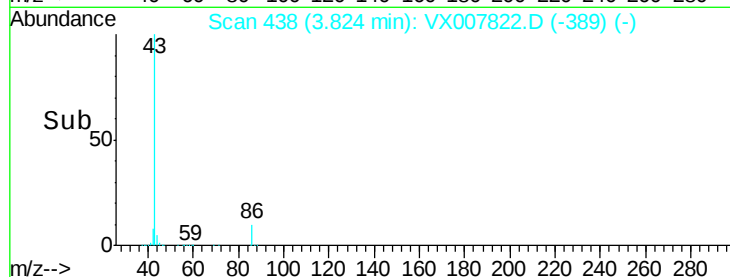
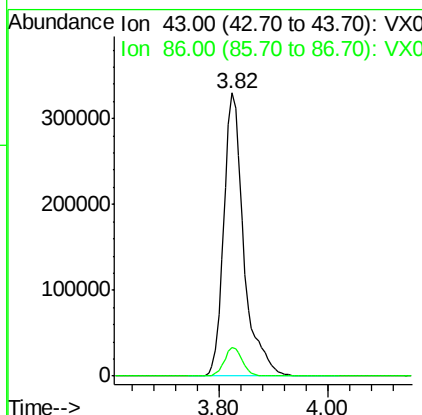
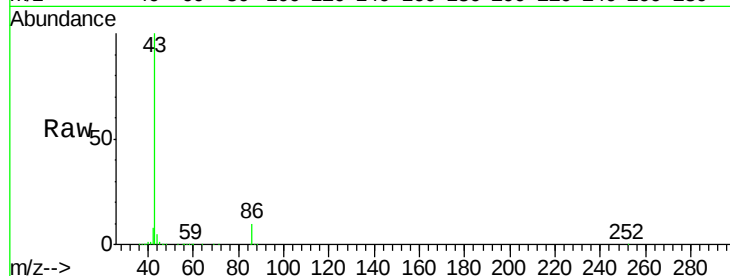
VX0304MBSD01

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 18.960 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007822.D

Acq: 04 Mar 2019 20:22

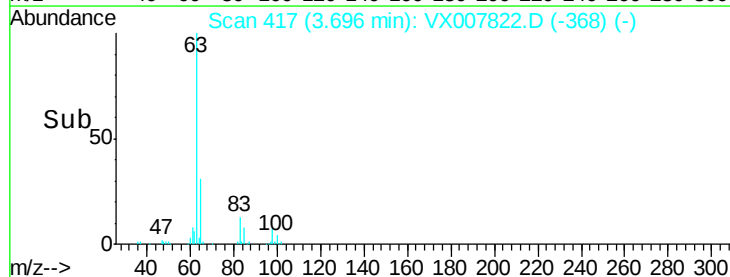
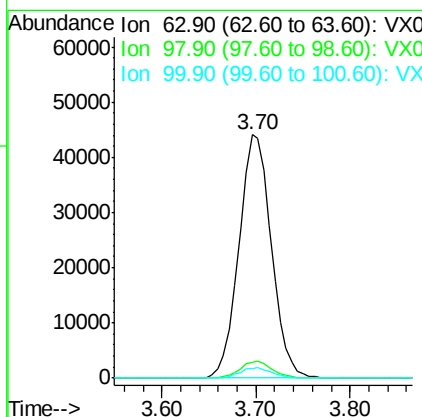
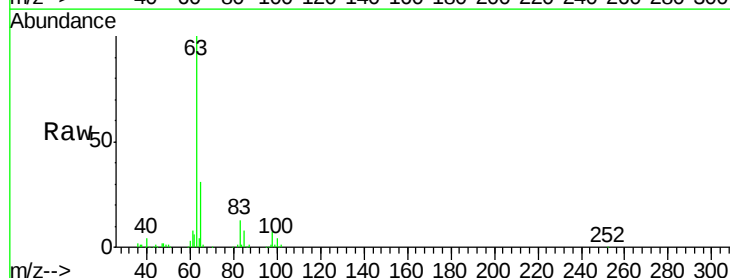
Tgt Ion: 63 Resp: 105539

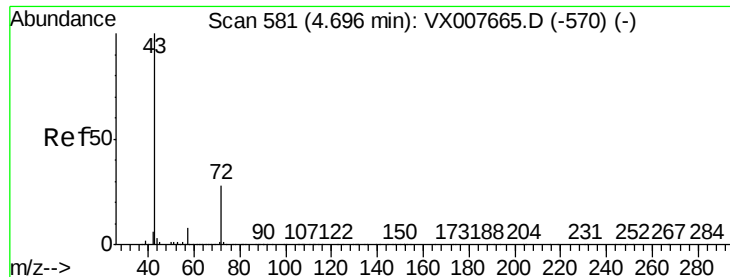
Ion Ratio Lower Upper

63 100

98 6.6 3.6 10.8

100 4.1 2.5 7.4





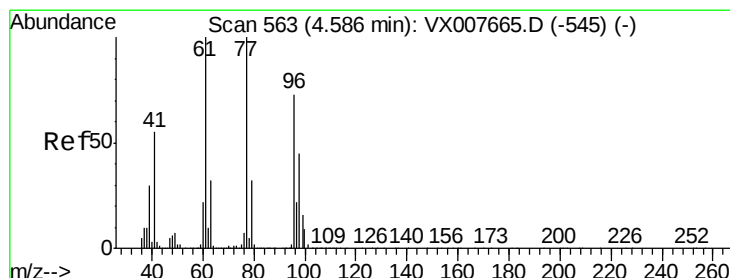
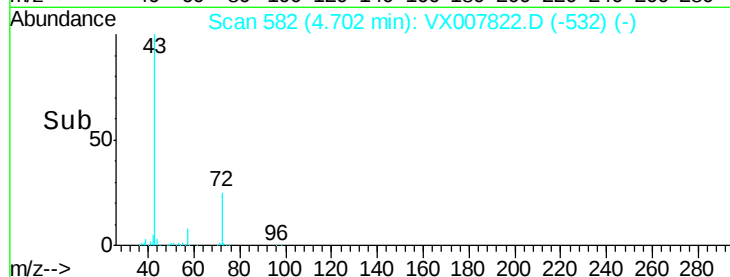
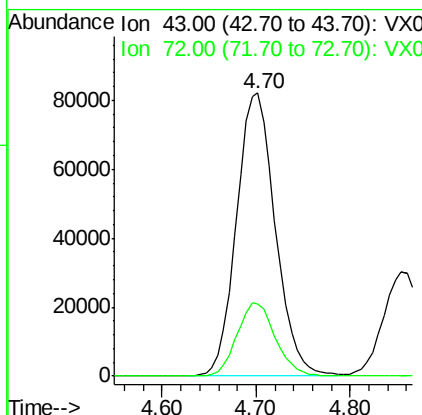
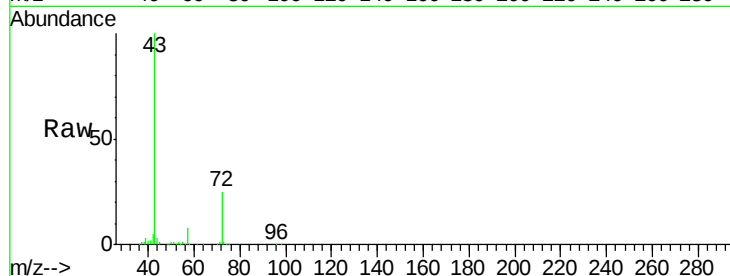
#25
2-Butanone
Concen: 92.451 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.01 min
Lab File: VX007822.D
Acq: 04 Mar 2019 20:22

Instrument :
MSVOA_X
ClientSampleId :
VX0304MBSD01

Tot Ion	43	Resp	235981
Ion Ratio	Lower	Upper	
43	100		
72	25.3	22.2	33.2

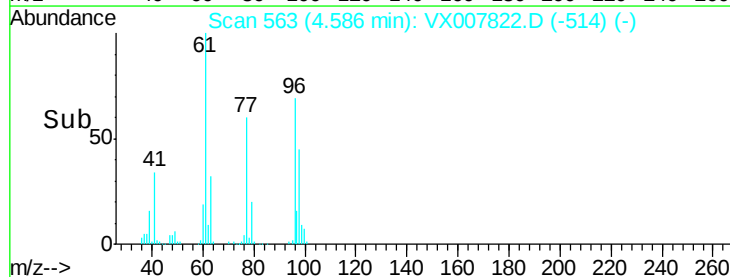
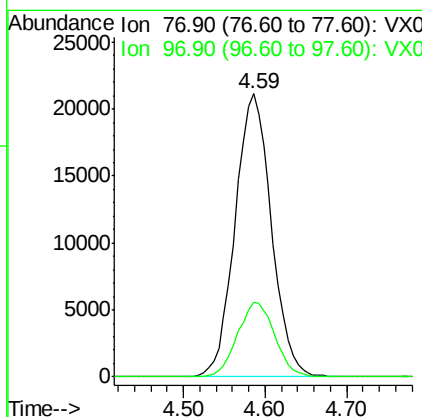
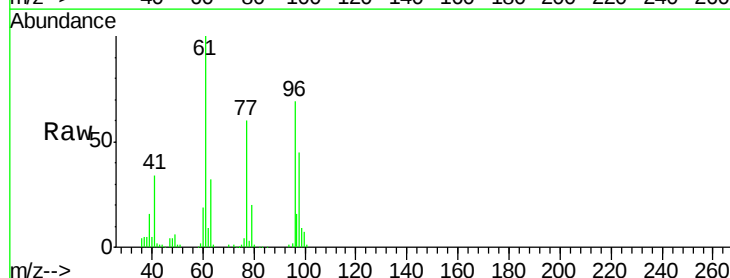
Manual Integrations
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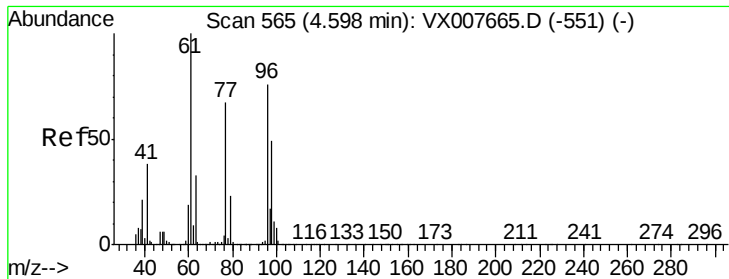
MMDadoda
3/5/2019 9:34:54 AM



#26
2,2-Dichloropropane
Concen: 14.682 ug/l
RT: 4.59 min Scan# 563
Delta R.T. -0.00 min
Lab File: VX007822.D
Acq: 04 Mar 2019 20:22

Tgt Ion	77	Resp	65235
Ion Ratio	Lower	Upper	
77	100		
97	27.0	12.1	36.3





#27

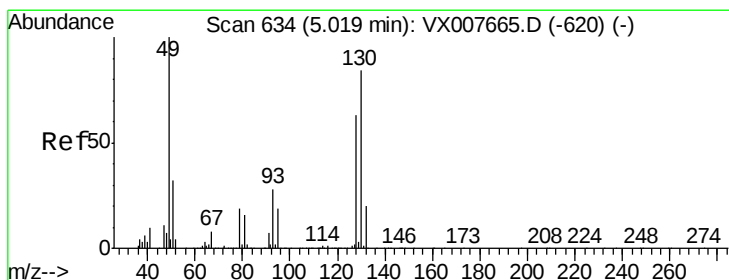
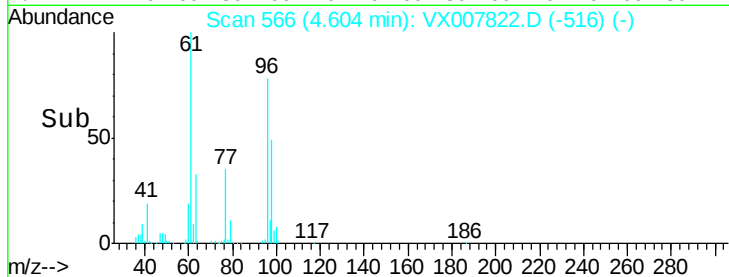
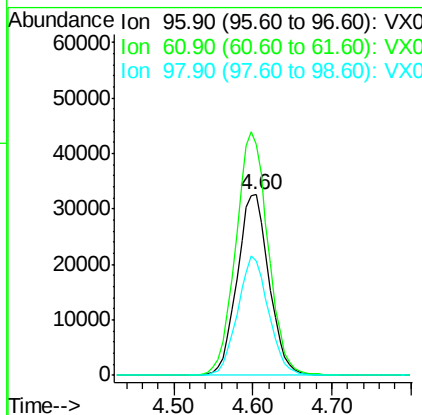
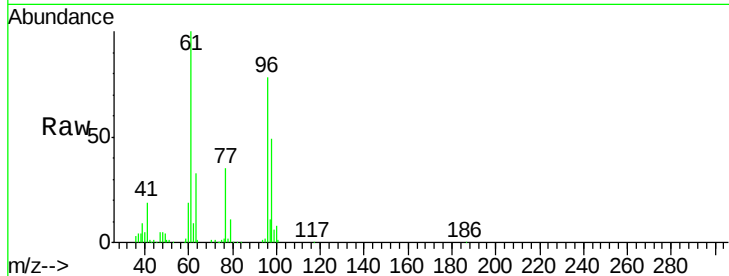
cis-1,2-Dichloroethene
 Concen: 24.813 ug/l
 RT: 4.60 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VX007822.D
 Acq: 04 Mar 2019 20:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0304MBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.7	0.0	265.6
98	63.8	0.0	131.6

Manual Integrations
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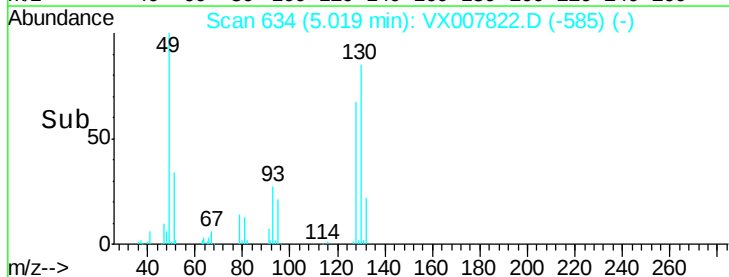
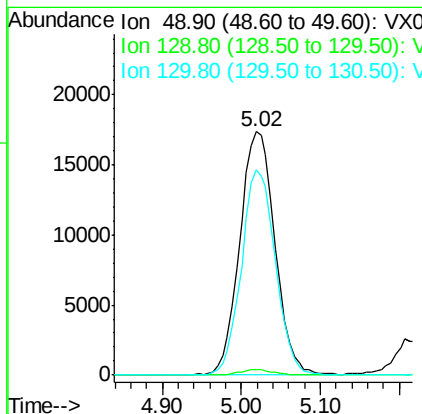
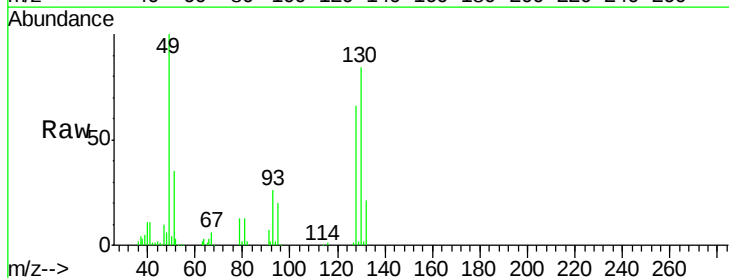
MMDadoda
 3/5/2019 9:34:54 AM

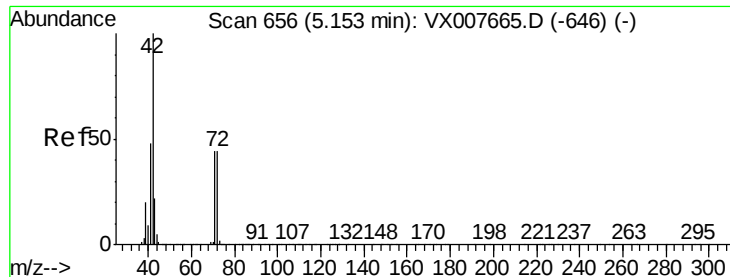


#28

Bromochloromethane
 Concen: 19.928 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX007822.D
 Acq: 04 Mar 2019 20:22

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	5.6
130	81.2	75.6	113.4





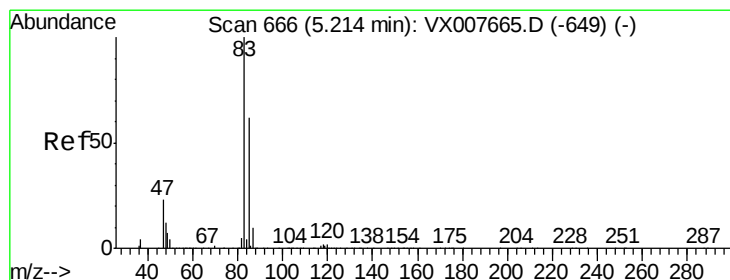
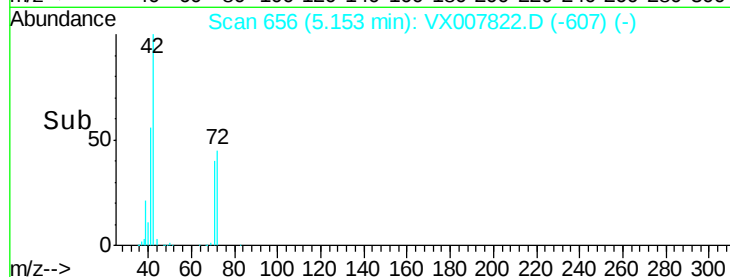
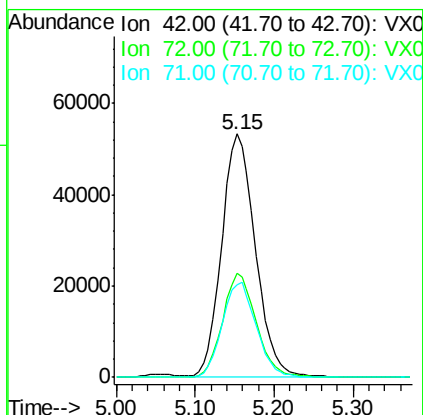
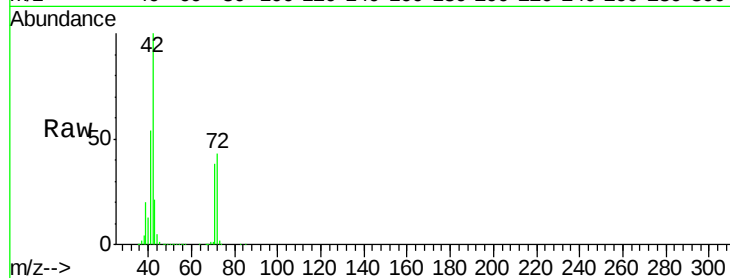
#29
Tetrahydrofuran
Concen: 93.618 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX007822.D
Acq: 04 Mar 2019 20:22

Instrument :
MSVOA_X
ClientSampleId :
VX0304MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.9	37.6	56.4
71	39.5	34.6	51.8

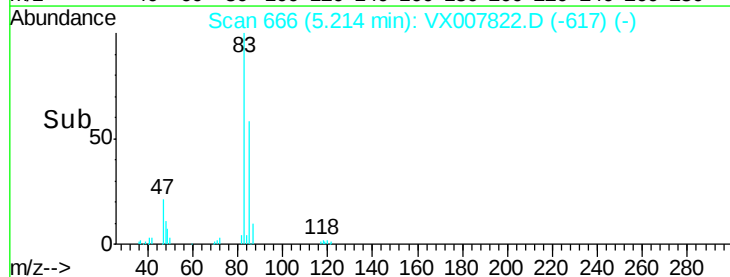
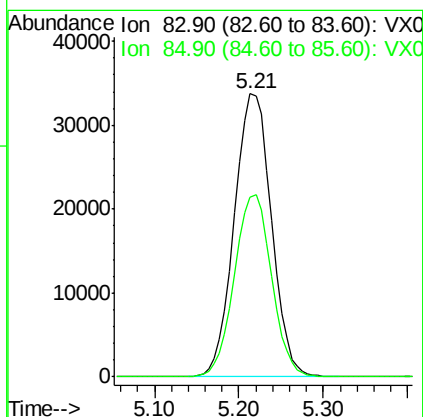
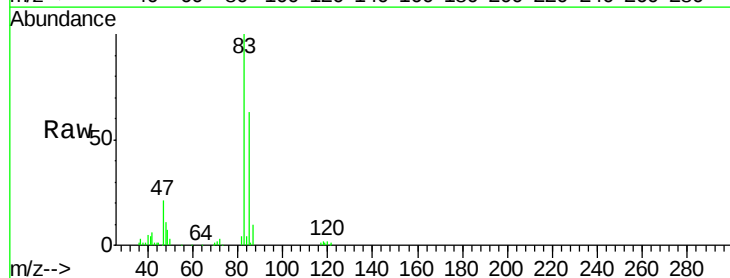
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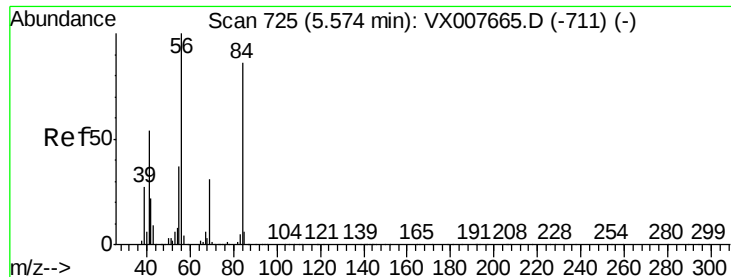
MMDadoda
3/5/2019 9:34:54 AM



#30
Chloroform
Concen: 16.926 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX007822.D
Acq: 04 Mar 2019 20:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.6	77.4





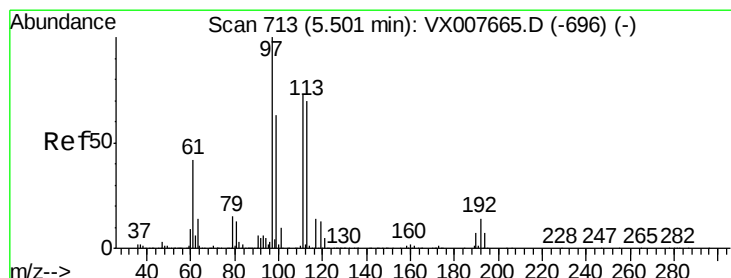
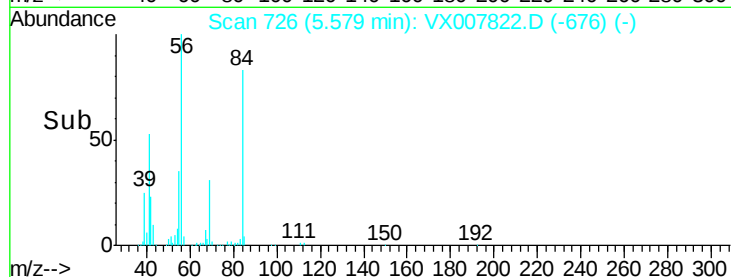
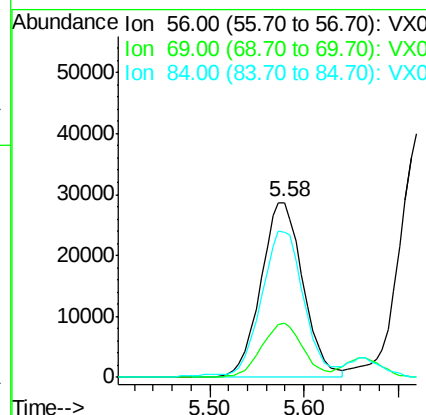
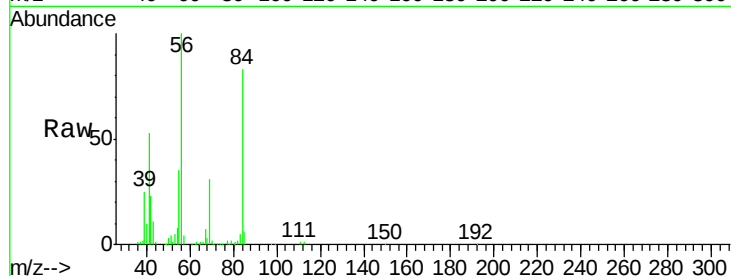
#31
Cyclohexane
Concen: 17.159 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX007822.D
Acq: 04 Mar 2019 20:22

Instrument :
MSVOA_X
ClientSampleId :
VX0304MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.6	23.0	34.6
84	81.8	69.8	104.6

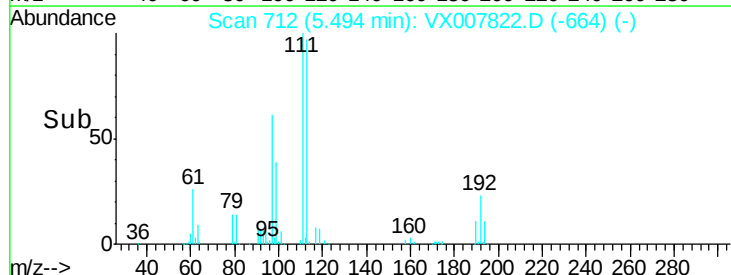
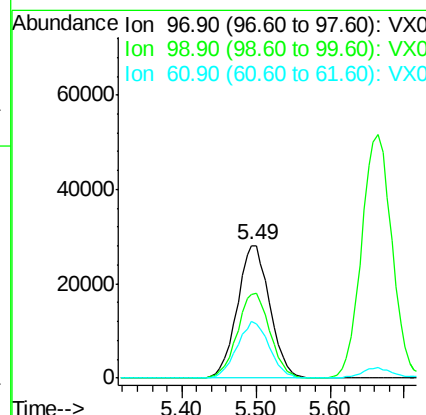
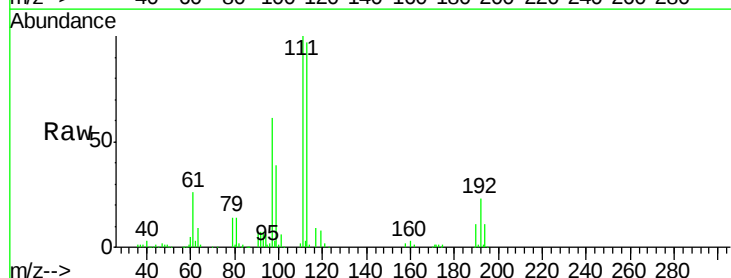
Manual Integrations
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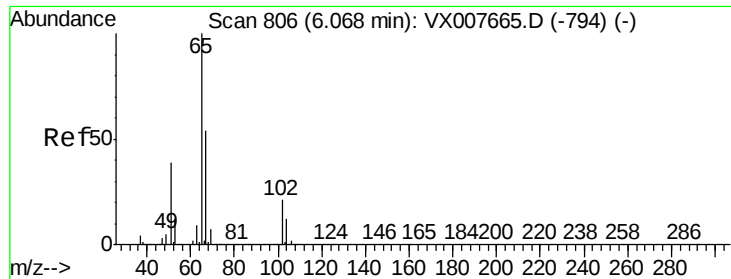
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 17.443 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX007822.D
Acq: 04 Mar 2019 20:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.2	78.2
61	42.3	32.7	49.1





#33

1,2-Dichloroethane-d4

Concen: 43.007 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007822.D

Acq: 04 Mar 2019 20:22

Instrument :

MSVOA_X

ClientSampled :

VX0304MBSD01

Tot Ion: 65 Resp: 162055

Ion Ratio Lower Upper

65 100

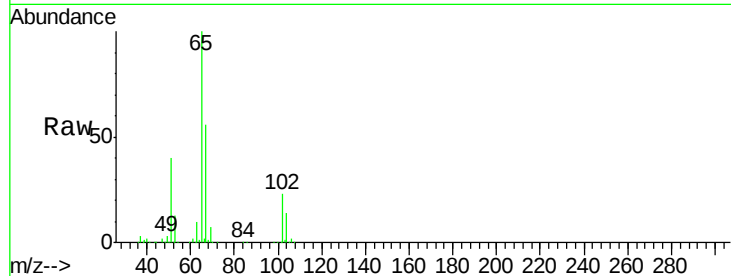
67 55.8 0.0 108.8

Manual Integrations

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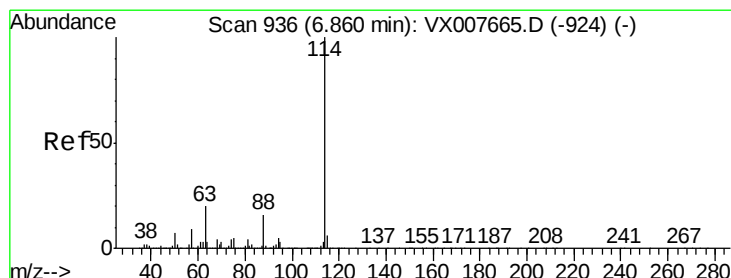
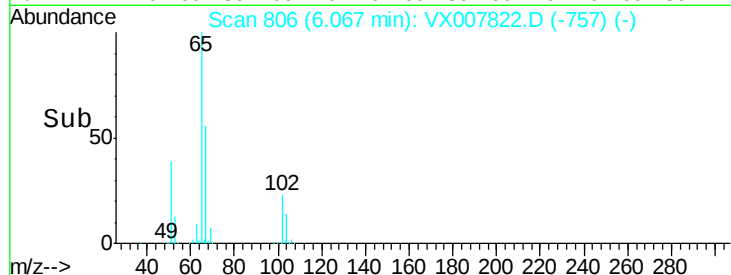
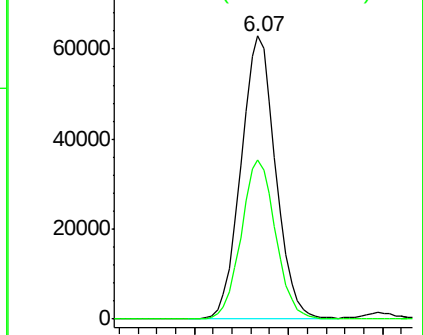
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007822.D

Acq: 04 Mar 2019 20:22

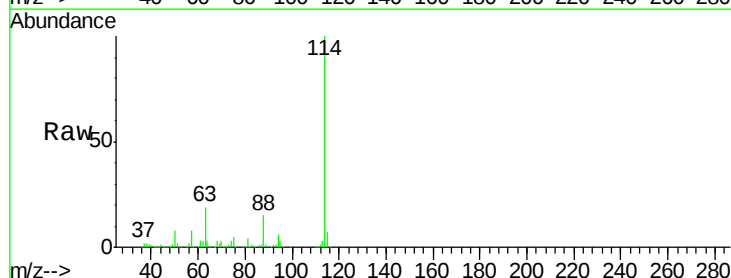
Tgt Ion: 114 Resp: 450230

Ion Ratio Lower Upper

114 100

63 19.3 0.0 35.6

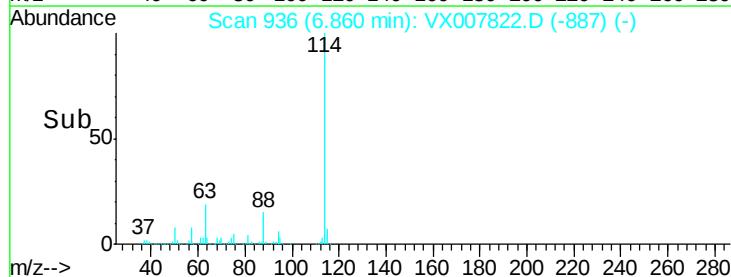
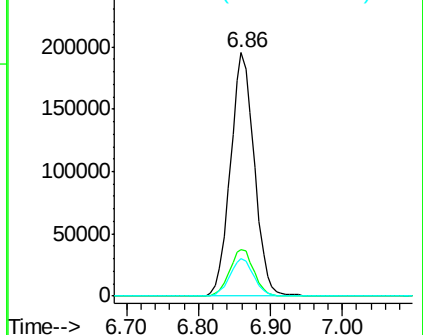
88 15.3 0.0 29.6

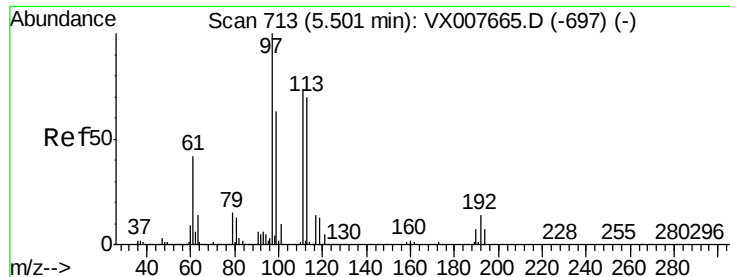


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





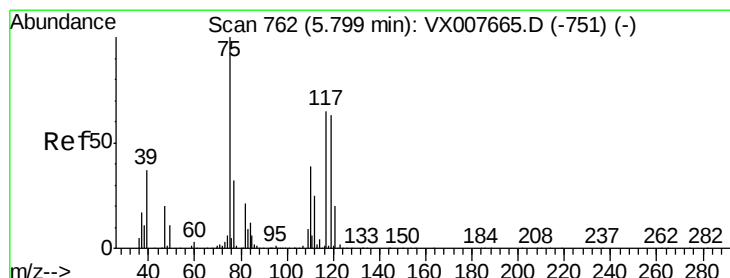
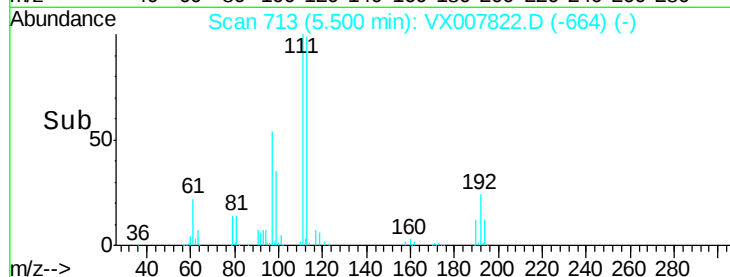
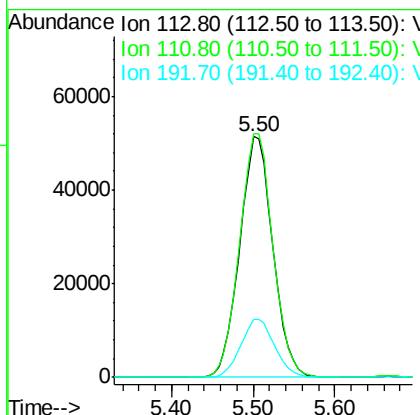
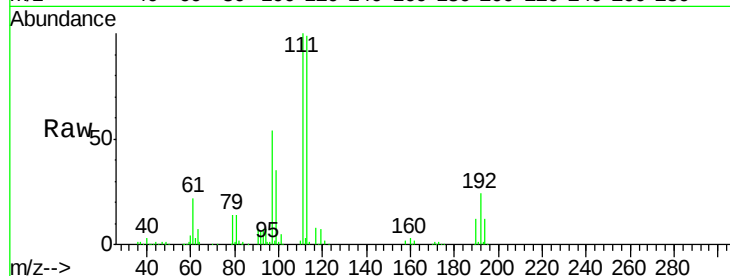
#35
 Dibromofluoromethane
 Concen: 48.351 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX007822.D
 Acq: 04 Mar 2019 20:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0304MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	145520		
111	102.1	81.8	122.8	
192	24.5	18.5	27.7	

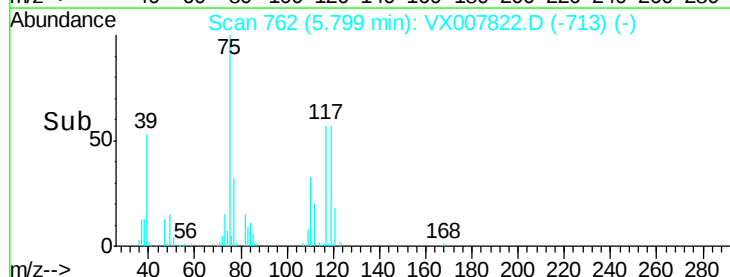
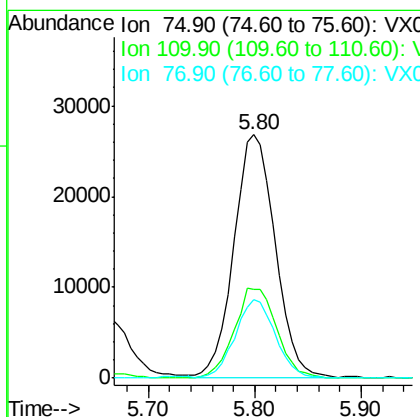
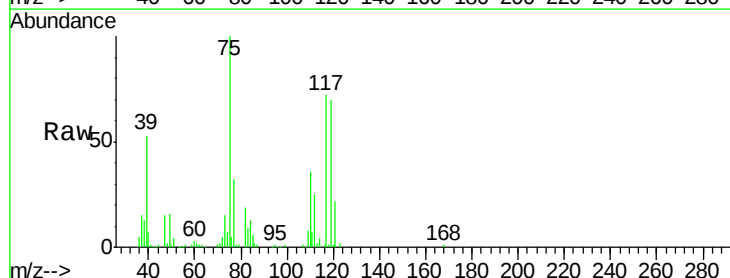
Manual Integrations
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#36
 1,1-Dichloropropene
 Concen: 17.918 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX007822.D
 Acq: 04 Mar 2019 20:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	72529		
110	38.2	20.0	59.9	
77	31.9	24.7	37.1	





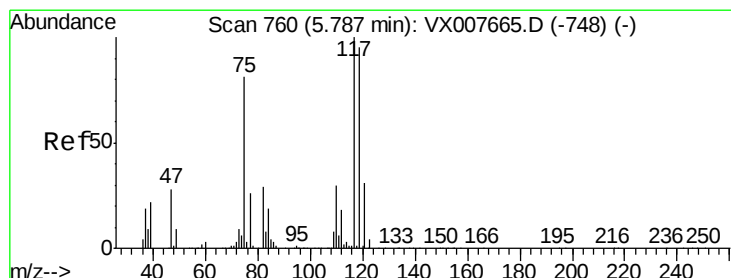
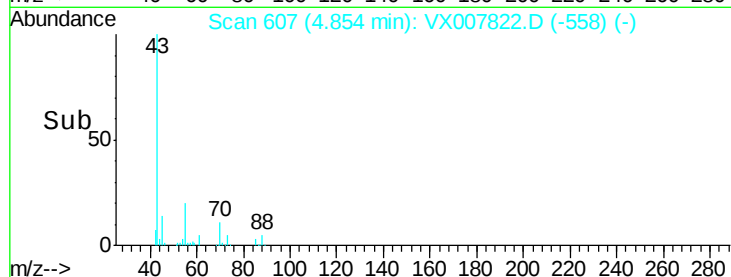
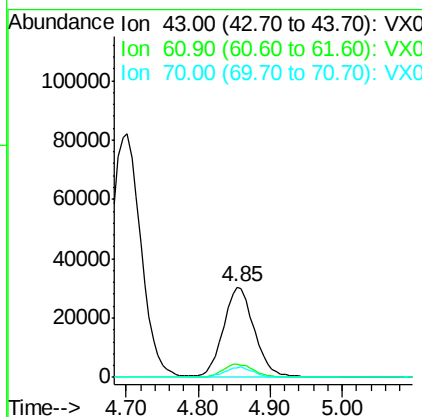
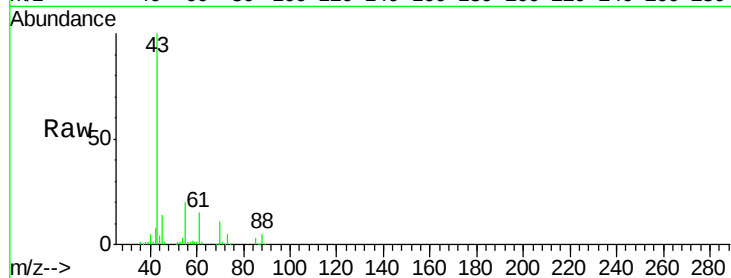
#37
Ethyl Acetate
Concen: 19.953 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX007822.D
Acq: 04 Mar 2019 20:22

Instrument :
MSVOA_X
ClientSampleId :
VX0304MBSD01

Tot Ion:	43	Resp:	89714
Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.3	16.9
70	10.9	8.6	13.0

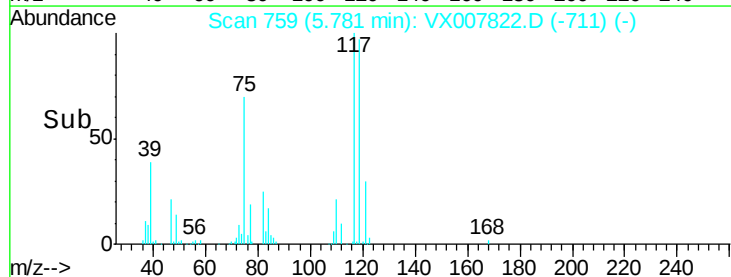
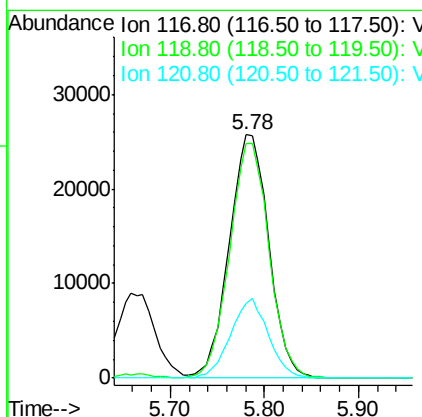
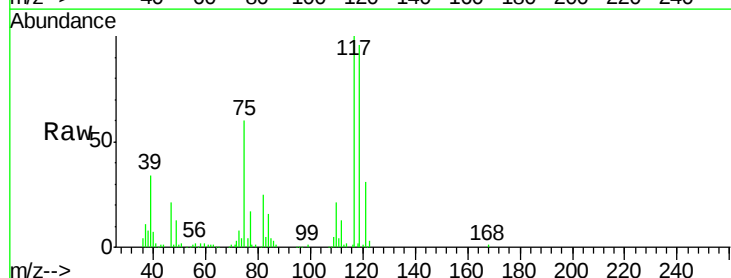
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 18.563 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX007822.D
Acq: 04 Mar 2019 20:22

Tgt Ion:	117	Resp:	75477
Ion	Ratio	Lower	Upper
117	100		
119	96.3	75.3	112.9
121	30.8	25.0	37.4





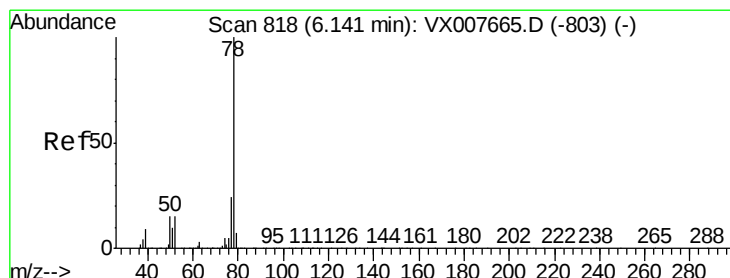
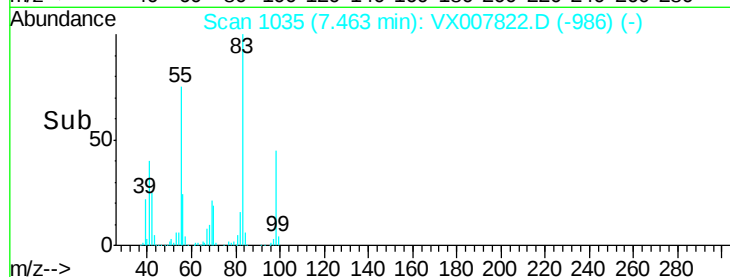
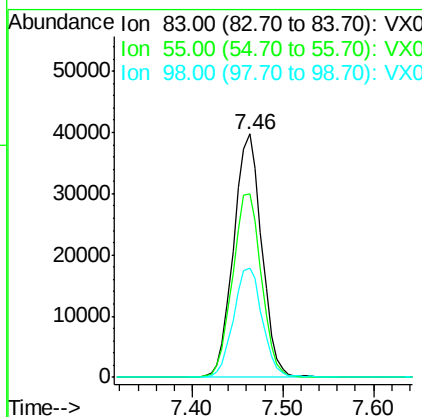
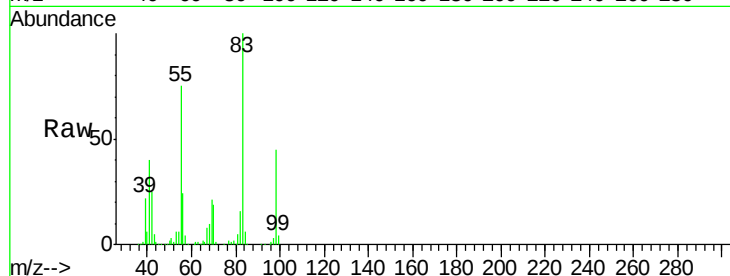
#39
Methvlcvclohexane
Concen: 16.752 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX007822.D
Acq: 04 Mar 2019 20:22

Instrument :
MSVOA_X
ClientSampleId :
VX0304MBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.5	56.2	84.2
98	44.8	36.8	55.2

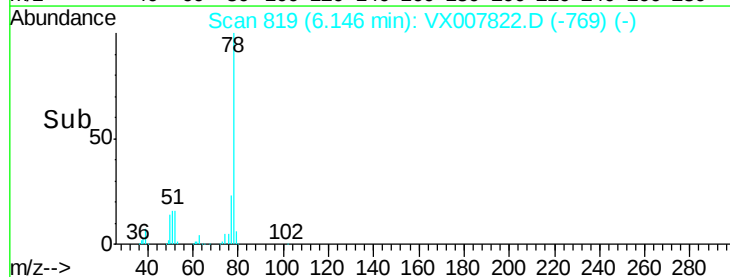
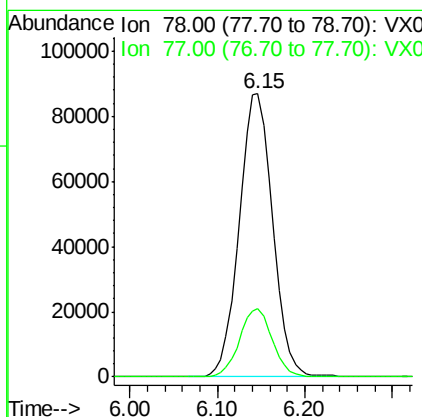
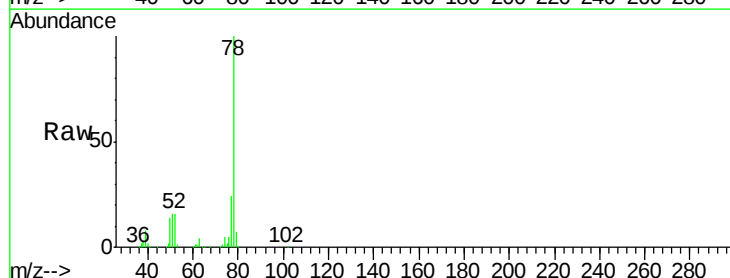
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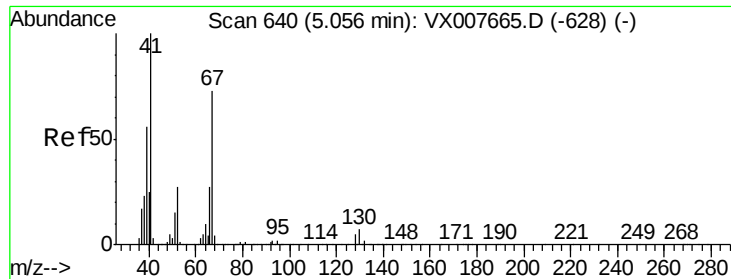
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#40
Benzene
Concen: 18.440 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX007822.D
Acq: 04 Mar 2019 20:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.3	28.9





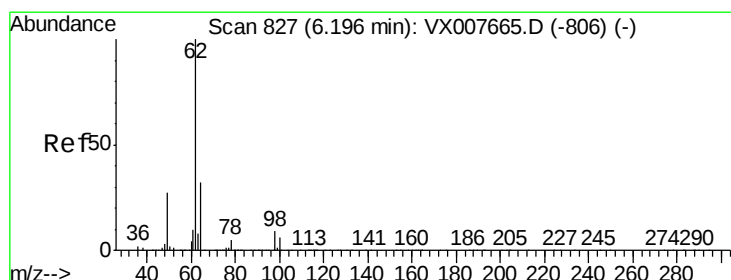
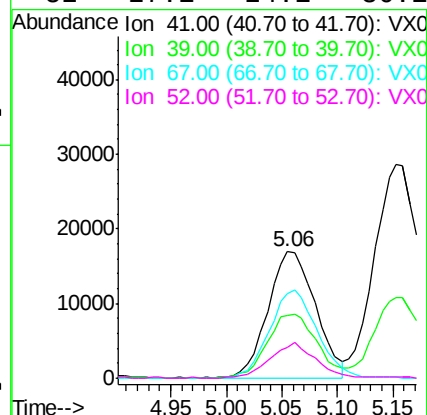
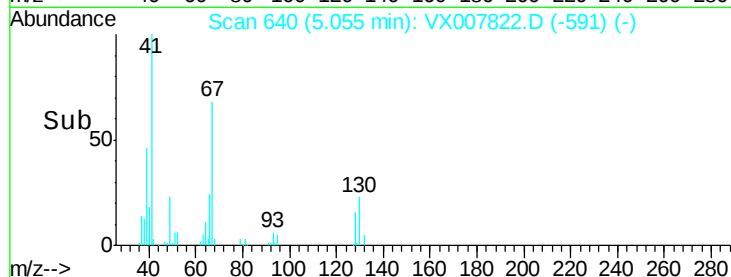
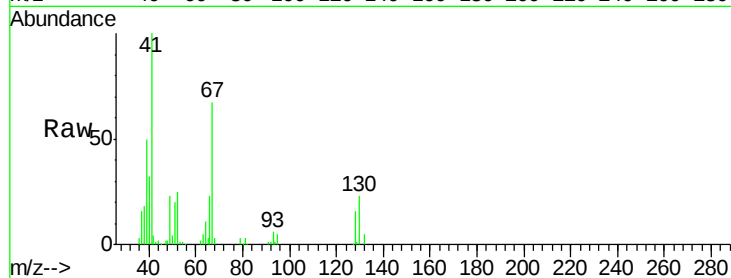
#41
Methacrylonitrile
Concen: 21.099 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.00 min
Lab File: VX007822.D
Acq: 04 Mar 2019 20:22

Instrument :
MSVOA_X
ClientSampleId :
VX0304MBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.4	44.5	66.7	
67	69.8	60.4	90.6	
52	27.1	24.1	36.1	

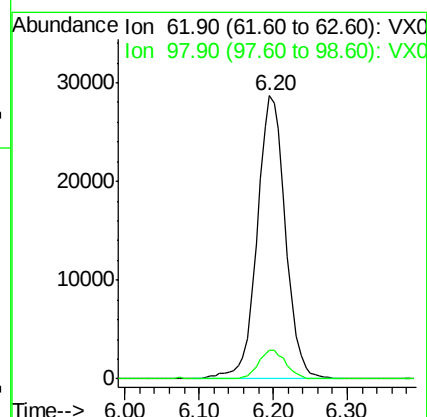
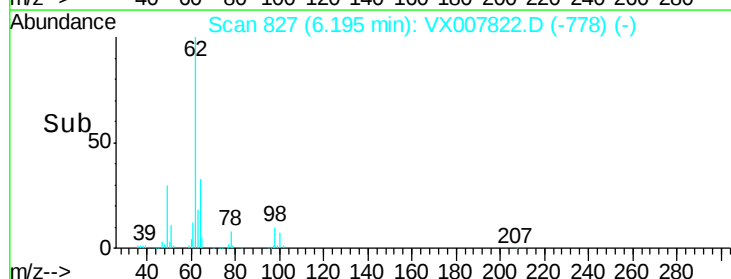
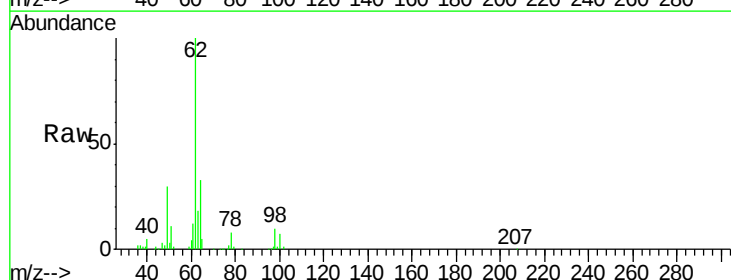
Manual Integrations
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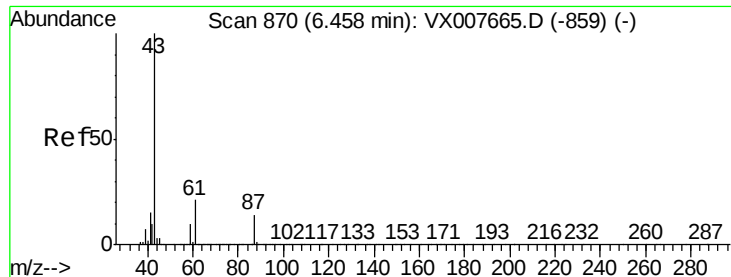
MMDadoda
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#42
1,2-Dichloroethane
Concen: 18.180 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX007822.D
Acq: 04 Mar 2019 20:22

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	19.0	





#43

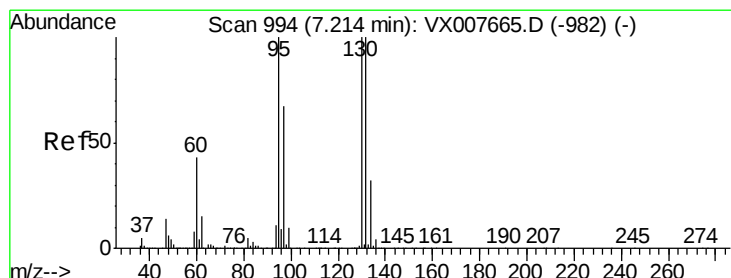
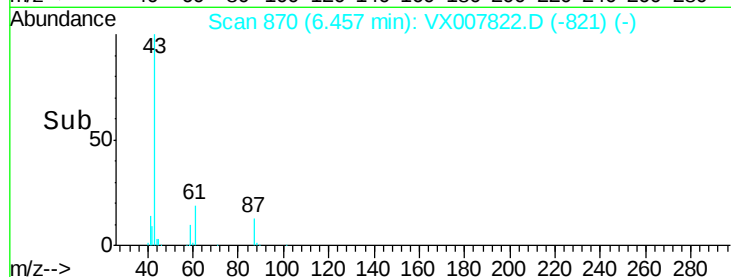
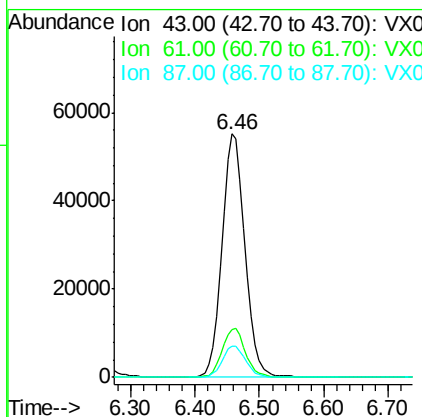
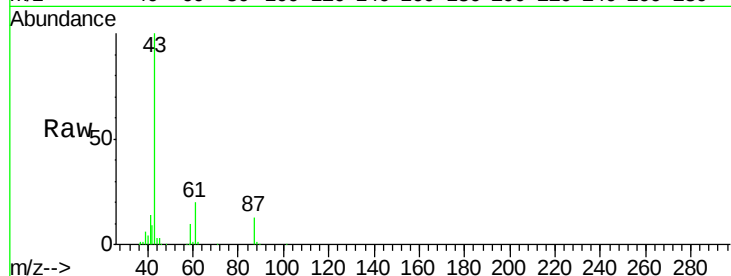
Isopropyl Acetate
 Concen: 19.976 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX007822.D
 Acq: 04 Mar 2019 20:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0304MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.1	24.1
87	13.1	11.5	17.3

Manual Integrations
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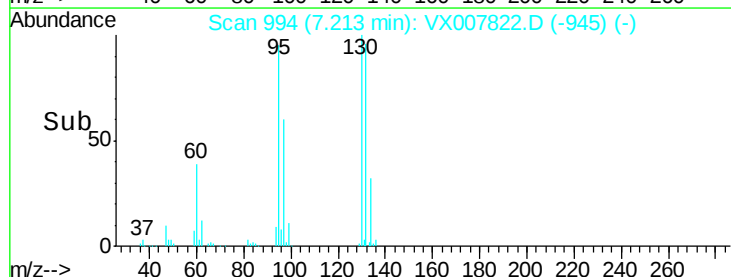
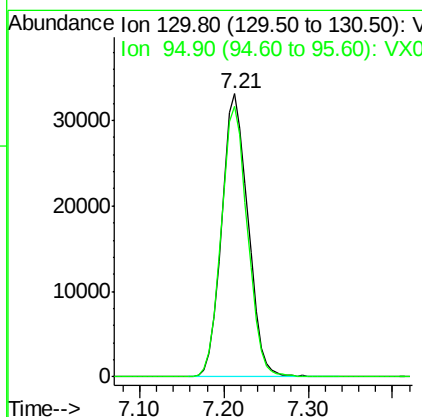
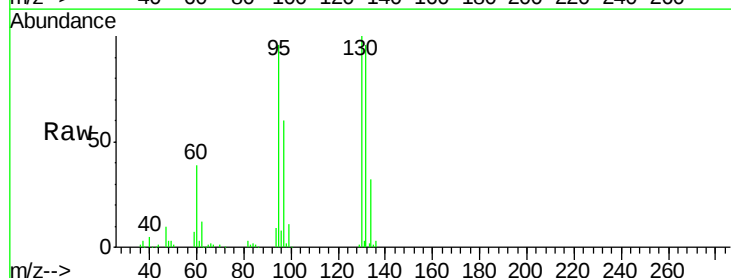
MMDadoda
 3/5/2019 9:34:54 AM

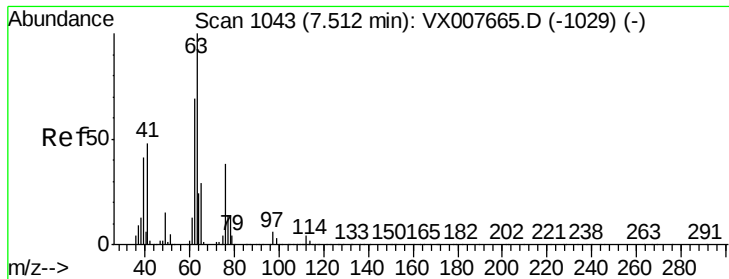


#44

Trichloroethene
 Concen: 20.475 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX007822.D
 Acq: 04 Mar 2019 20:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	180.0





#45

1,2-Dichloropropane

Concen: 19.282 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX007822.D

Acq: 04 Mar 2019 20:22

Instrument :

MSVOA_X

ClientSampleId :

VX0304MBSD01

Tot Ion: 63 Resp: 62411

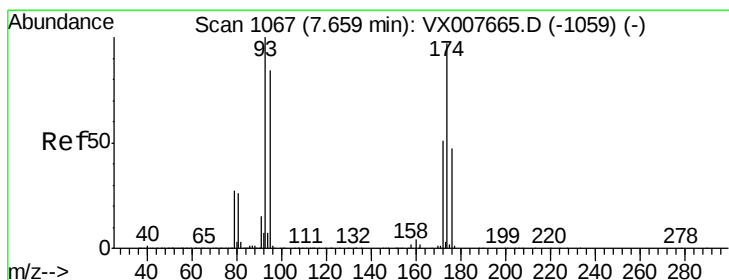
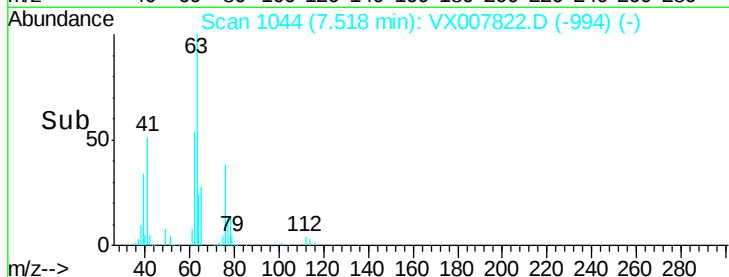
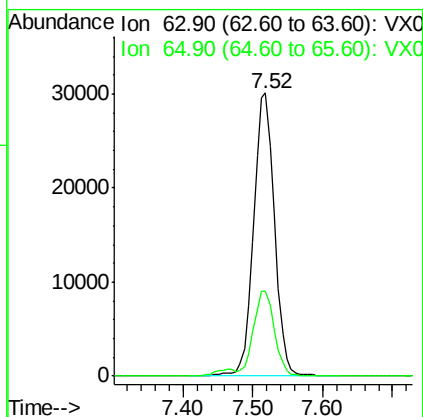
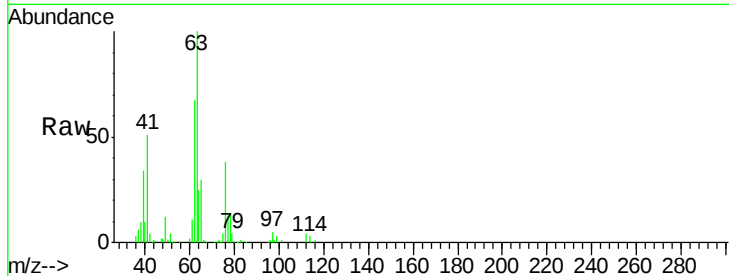
Ion Ratio Lower Upper

63 100

65 29.9 24.2 36.2

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#46

Dibromomethane

Concen: 17.282 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX007822.D

Acq: 04 Mar 2019 20:22

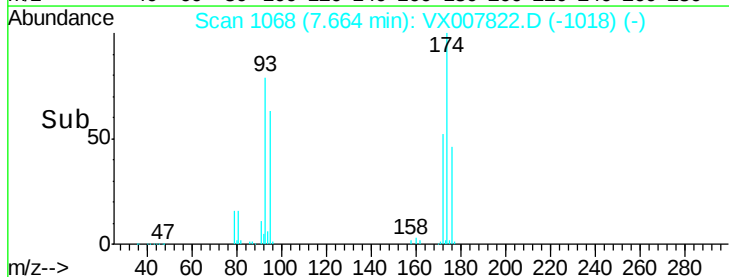
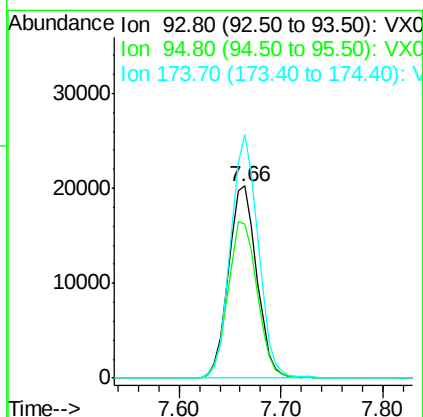
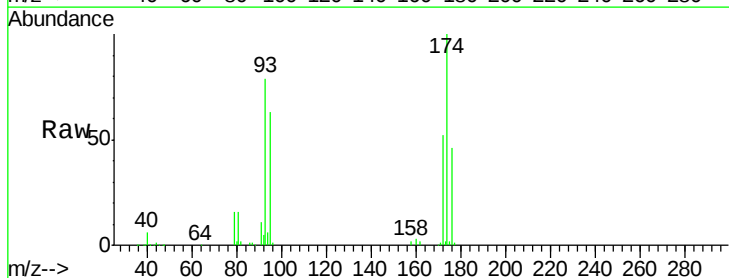
Tgt Ion: 93 Resp: 39024

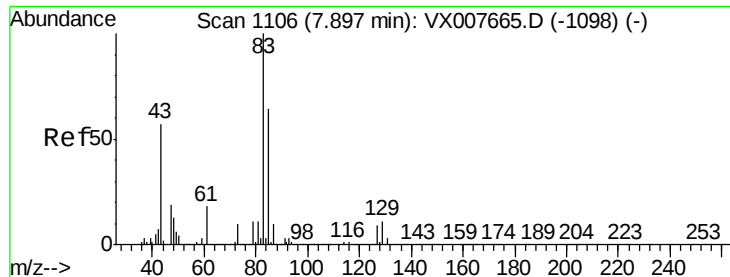
Ion Ratio Lower Upper

93 100

95 83.9 67.6 101.4

174 122.6 94.2 141.4





#47

Bromodichloromethane

Concen: 19.839 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007822.D

Acq: 04 Mar 2019 20:22

Instrument :

MSVOA_X

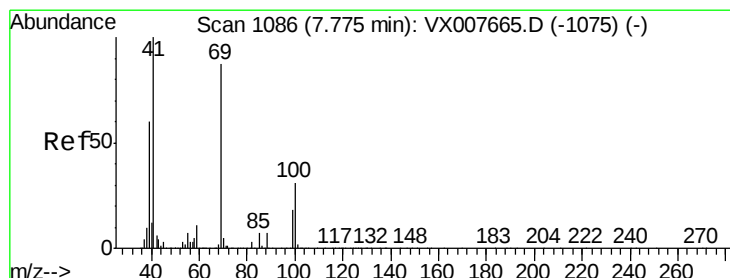
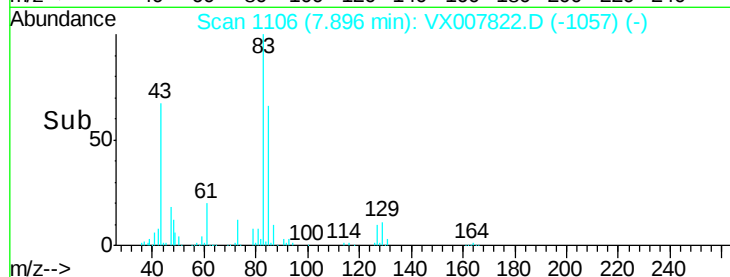
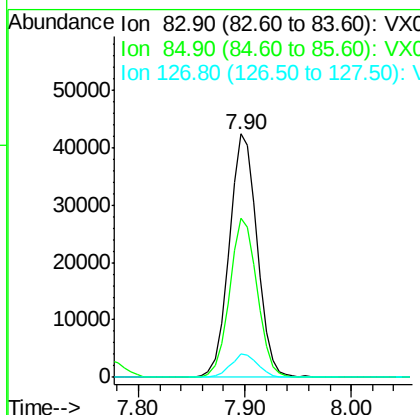
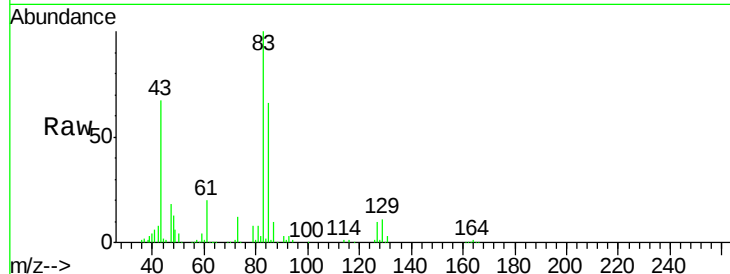
ClientSampleId :

VX0304MBSD01

Tot Ion:	83	Resp:	77634
Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.4	77.0
127	9.5	8.1	12.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.604 ug/l

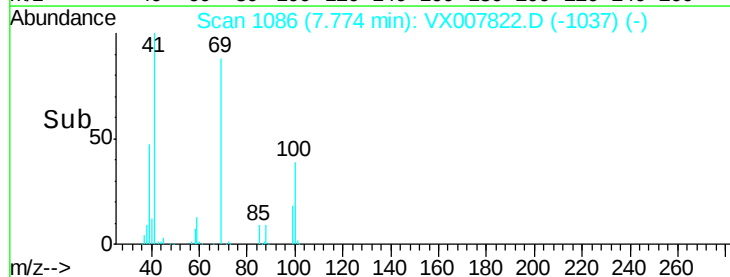
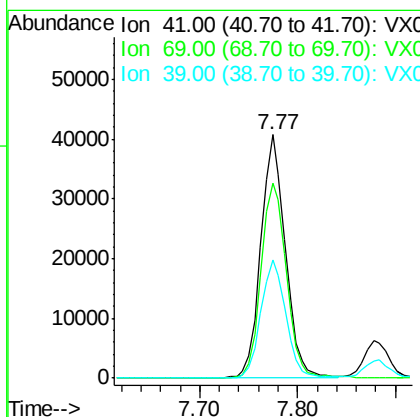
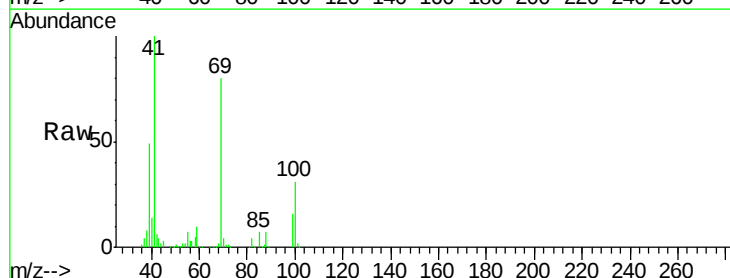
RT: 7.77 min Scan# 1086

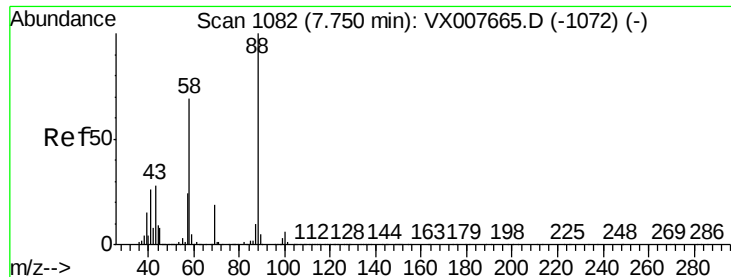
Delta R.T. -0.00 min

Lab File: VX007822.D

Acq: 04 Mar 2019 20:22

Tgt Ion:	41	Resp:	71113
Ion	Ratio	Lower	Upper
41	100		
69	82.7	70.2	105.4
39	49.4	47.4	71.0





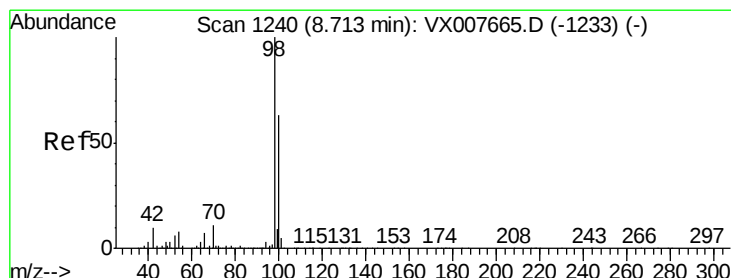
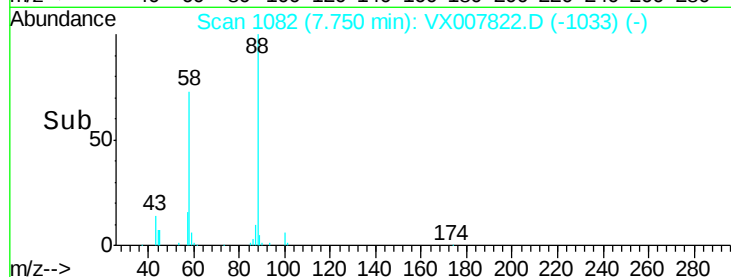
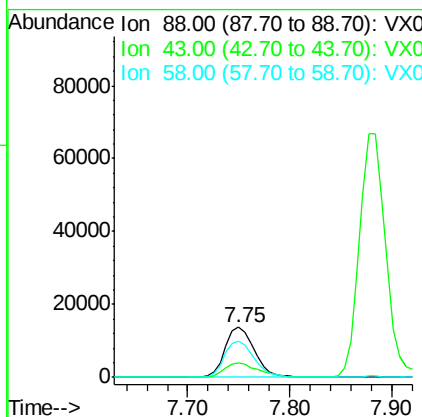
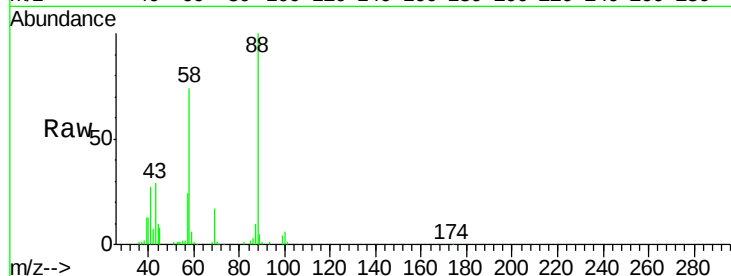
#49
1,4-Dioxane
Concen: 354.413 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.00 min
Lab File: VX007822.D
Acq: 04 Mar 2019 20:22

Instrument :
MSVOA_X
ClientSampleId :
VX0304MBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.7	24.2	36.4
58	73.7	53.0	79.4

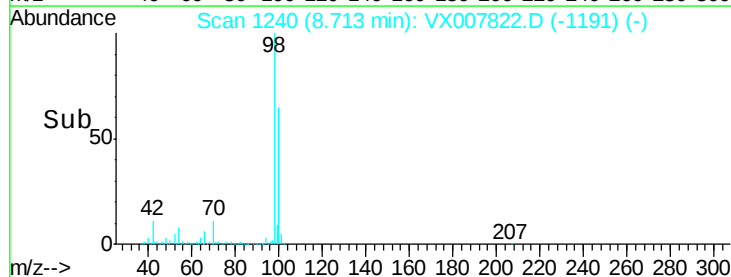
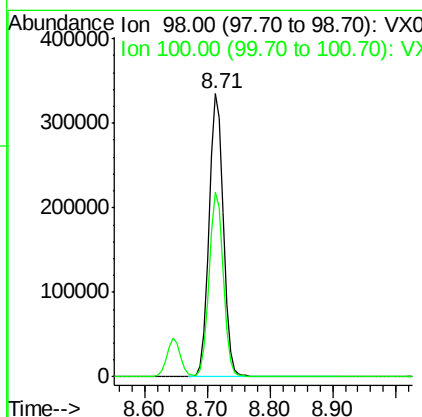
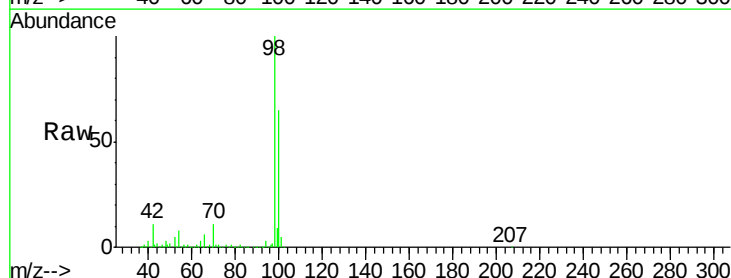
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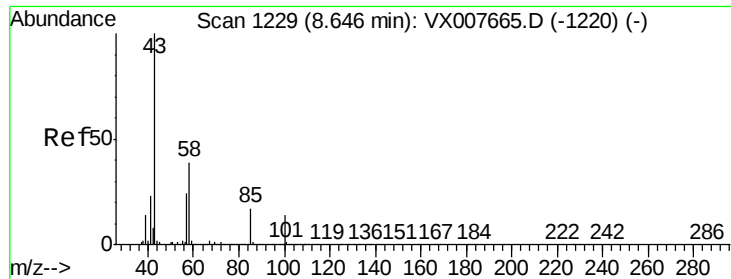
MMDadoda
3/5/2019 9:34:54 AM



#50
Toluene-d8
Concen: 45.725 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007822.D
Acq: 04 Mar 2019 20:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.6	77.4





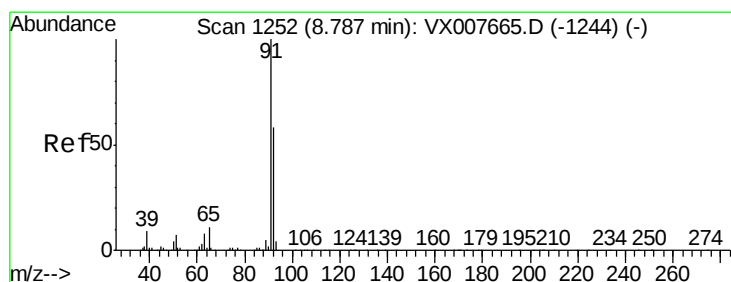
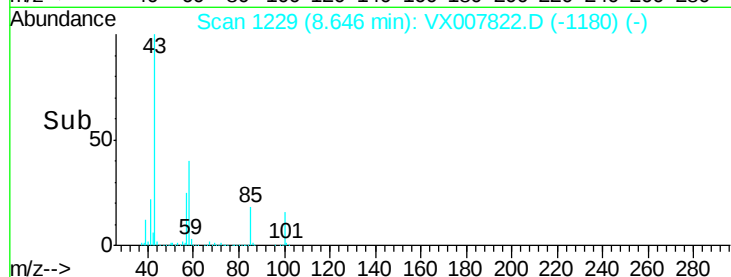
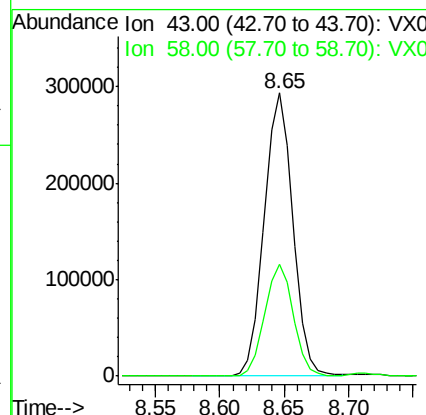
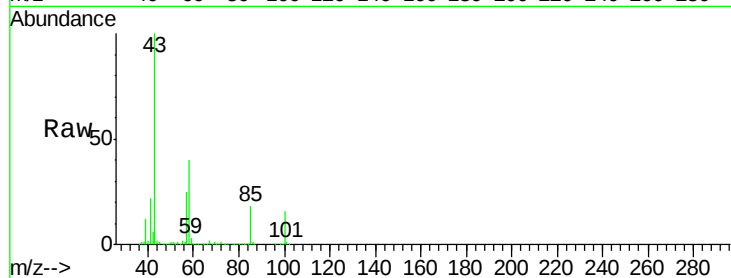
#51
4-Methyl-2-Pentanone
Concen: 97.465 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VX007822.D
Acq: 04 Mar 2019 20:22

Instrument :
MSVOA_X
ClientSampleId :
VX0304MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.5	31.2	46.8

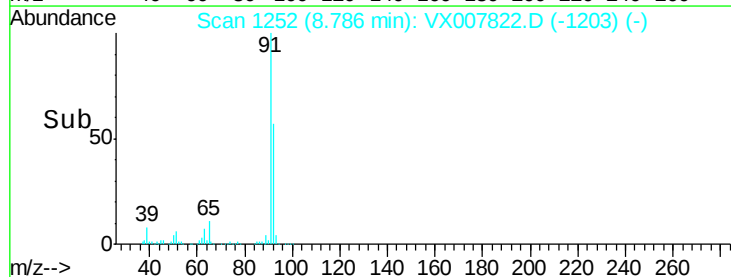
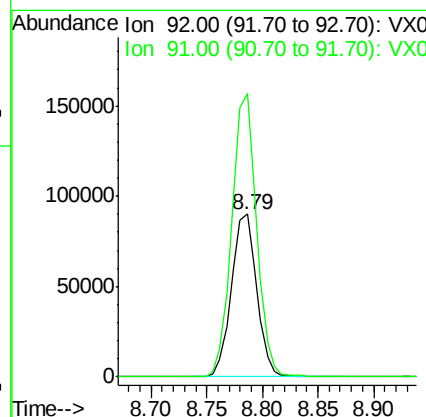
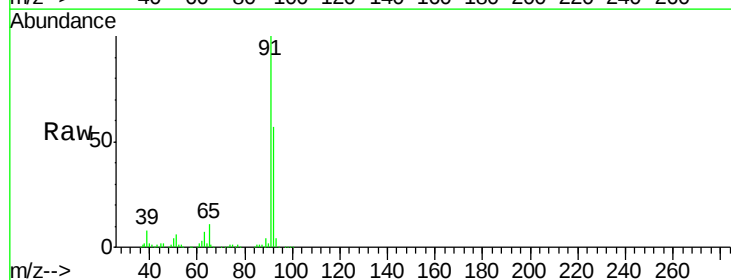
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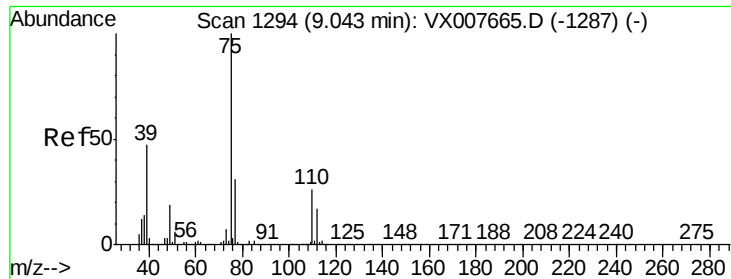
MMDadoda
3/5/2019 9:34:54 AM



#52
Toluene
Concen: 18.012 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX007822.D
Acq: 04 Mar 2019 20:22

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.0	139.1	208.7





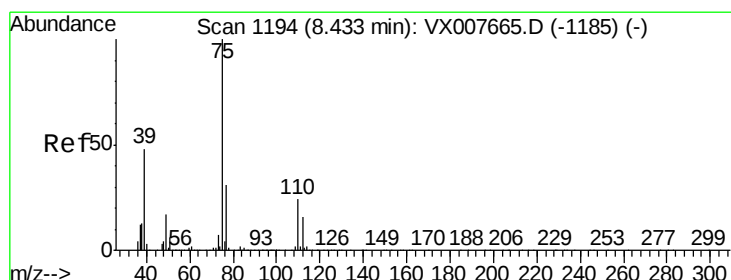
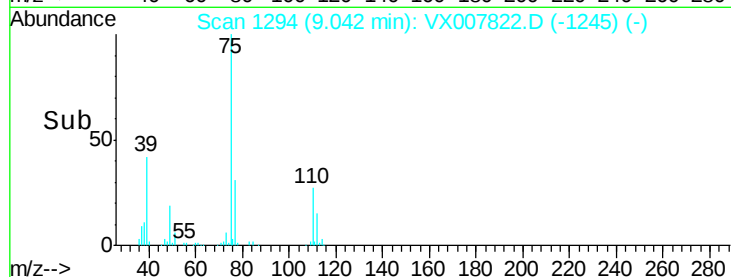
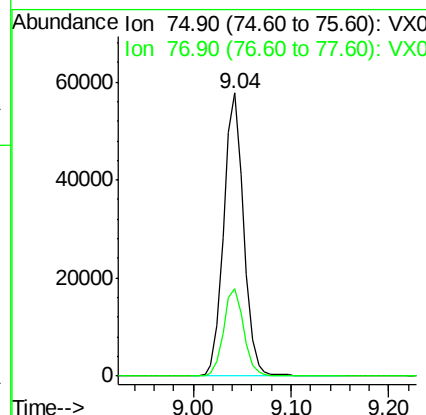
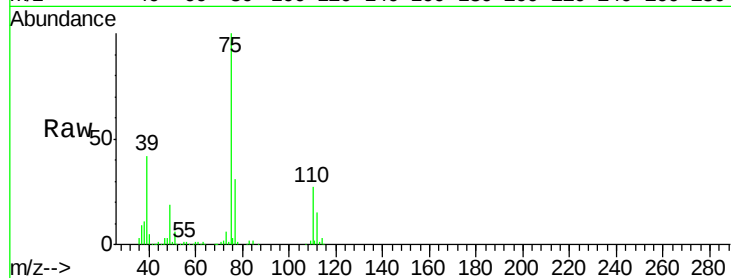
#53
t-1,3-Dichloropropene
Concen: 18.632 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX007822.D
Acq: 04 Mar 2019 20:22

Instrument :
MSVOA_X
ClientSampleId :
VX0304MBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.2	37.8

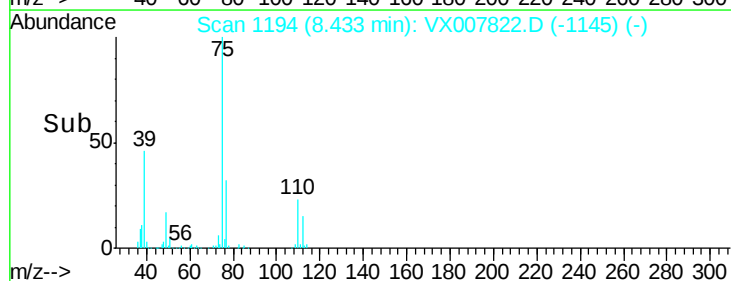
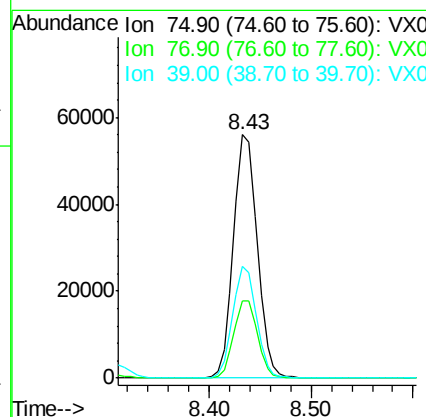
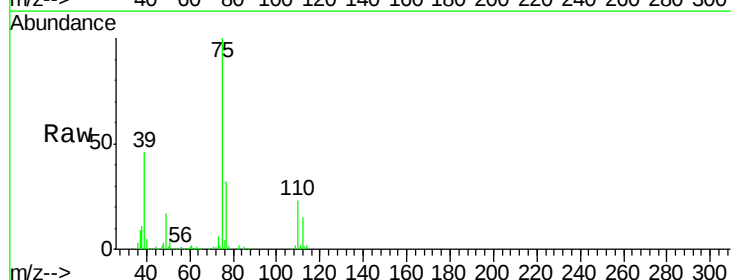
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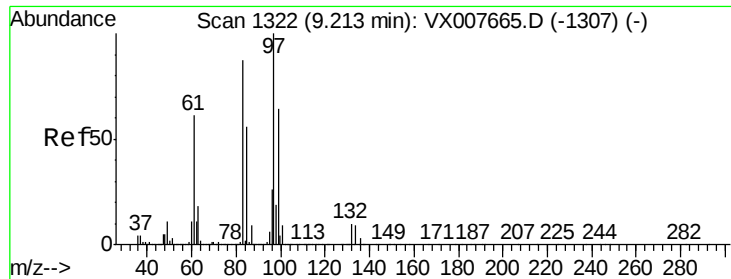
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#54
cis-1,3-Dichloropropene
Concen: 19.123 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX007822.D
Acq: 04 Mar 2019 20:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	26.2	39.4
39	46.0	37.1	55.7





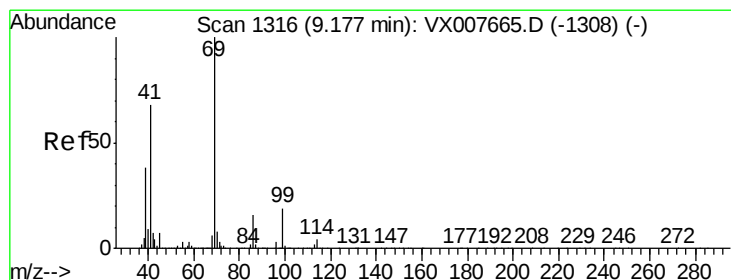
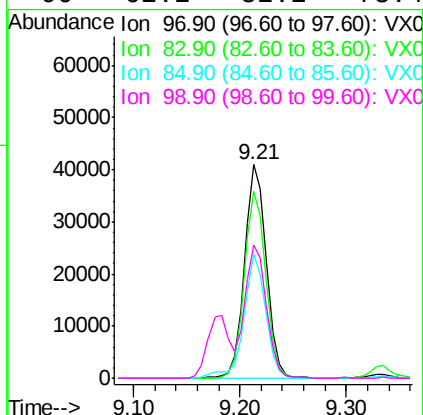
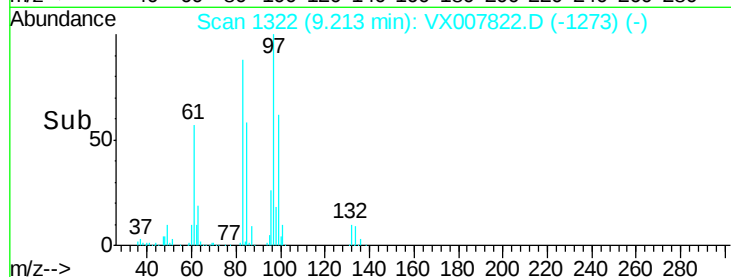
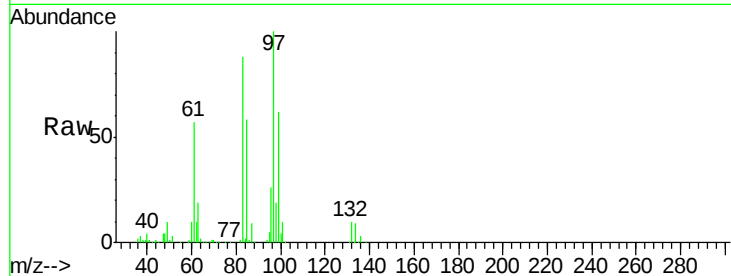
#55
1,1,2-Trichloroethane
Concen: 18.025 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX007822.D
Acq: 04 Mar 2019 20:22

Instrument :
MSVOA_X
ClientSampleId :
VX0304MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		59226		
83	87.5	68.6	102.8		
85	57.9	44.5	66.7		
99	62.2	52.2	78.4		

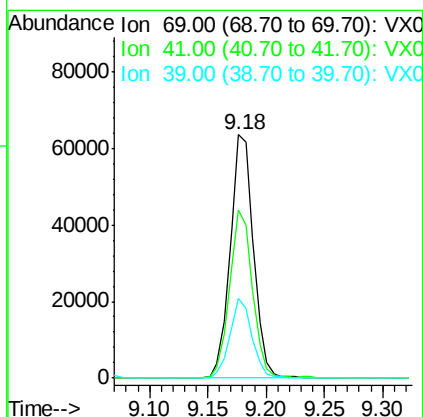
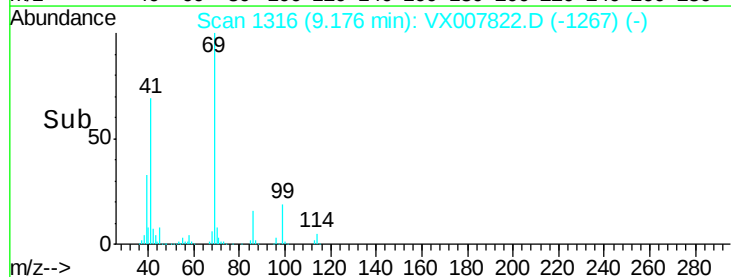
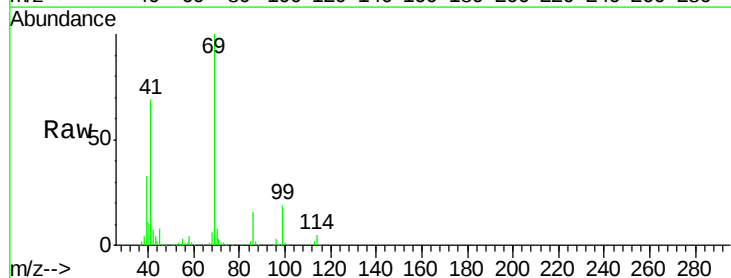
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#56
Ethyl methacrylate
Concen: 18.973 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VX007822.D
Acq: 04 Mar 2019 20:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		88649		
41	67.6	52.1	78.1		
39	31.3	30.1	45.1		





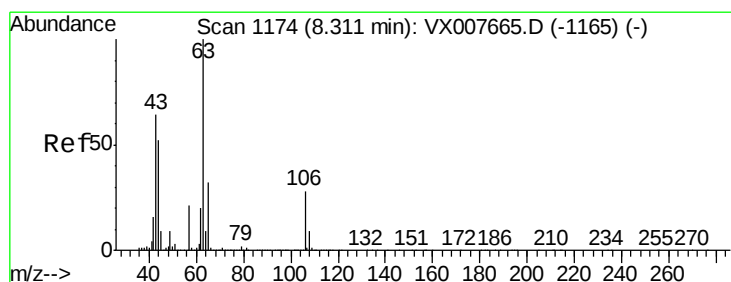
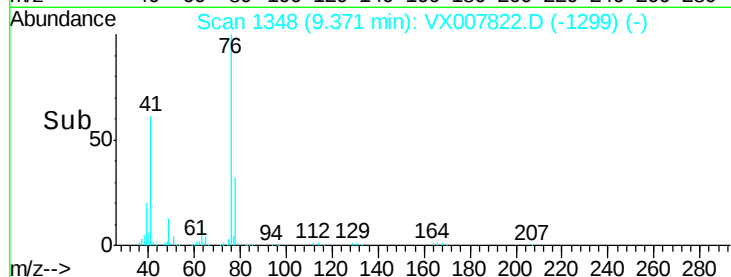
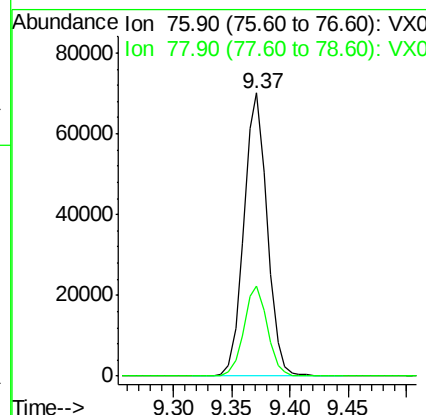
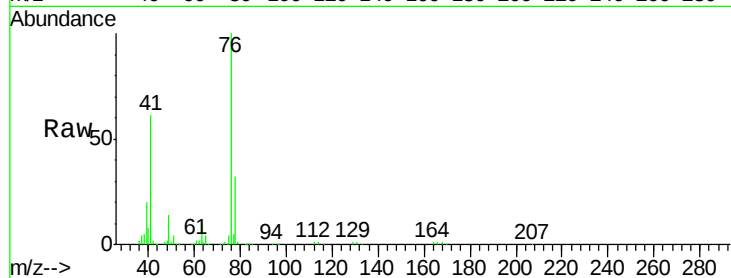
#57
 1,3-Dichloropropane
 Concen: 18.649 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX007822.D
 Acq: 04 Mar 2019 20:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0304MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.8

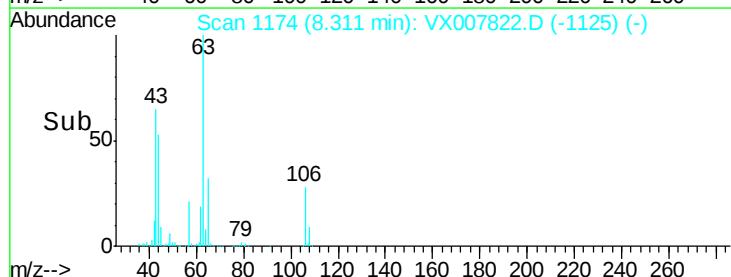
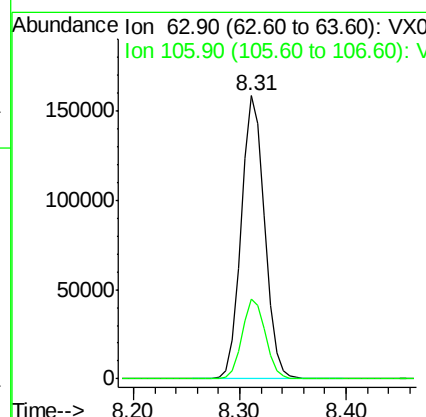
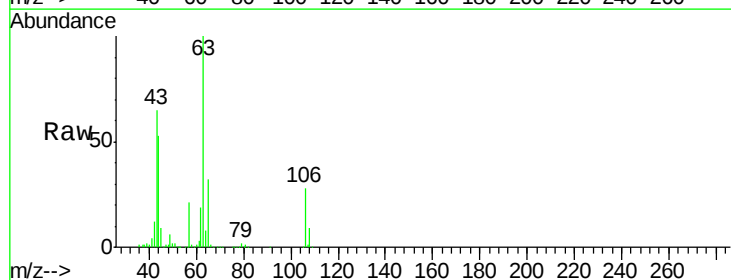
Manual Integrations
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 3/5/2019 9:34:54 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.983 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX007822.D
 Acq: 04 Mar 2019 20:22

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.0	23.6	35.4





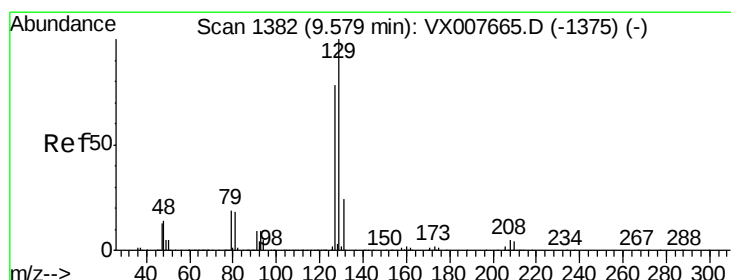
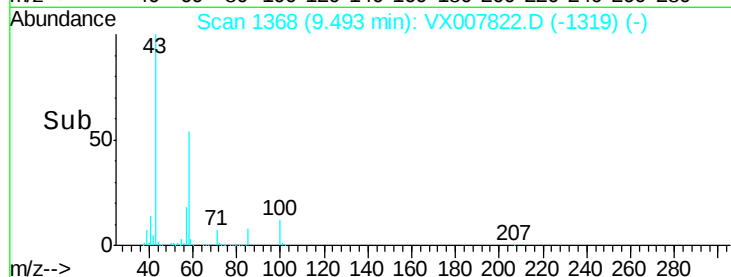
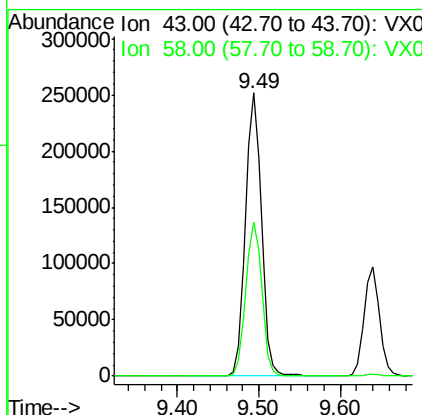
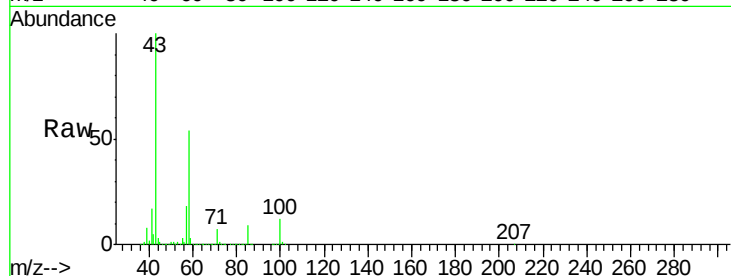
#59
2-Hexanone
Concen: 93.952 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007822.D
Acq: 04 Mar 2019 20:22

Instrument :
MSVOA_X
ClientSampleId :
VX0304MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.8	27.1	81.3

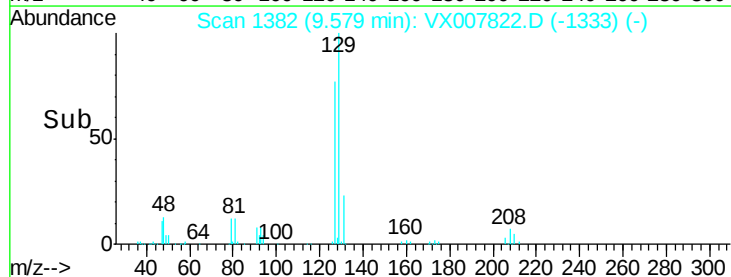
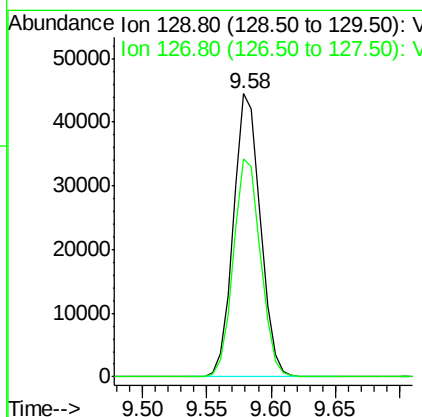
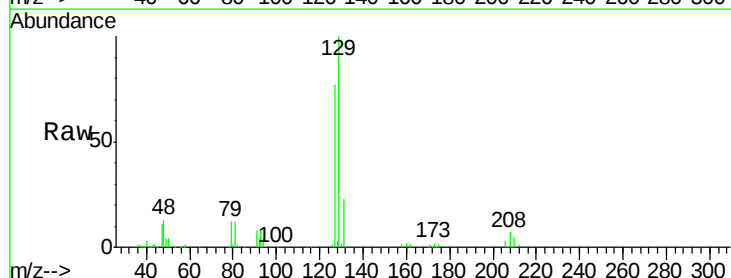
Manual Integrations
APPROVED

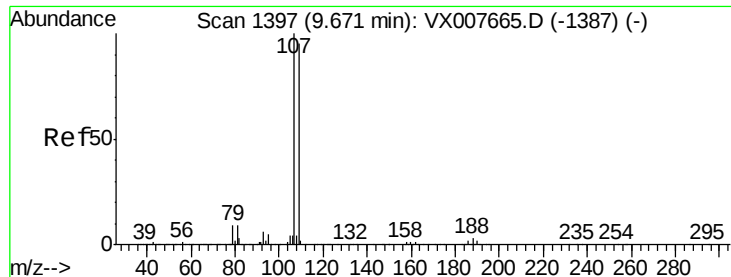
MMDadoda
3/5/2019 9:34:54 AM



#60
Dibromochloromethane
Concen: 20.544 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX007822.D
Acq: 04 Mar 2019 20:22

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	37.8	113.4





#61

1,2-Dibromoethane

Concen: 18.083 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007822.D

Acq: 04 Mar 2019 20:22

Instrument :

MSVOA_X

ClientSampleId :

VX0304MBSD01

Tot Ion: 107 Resp: 61688

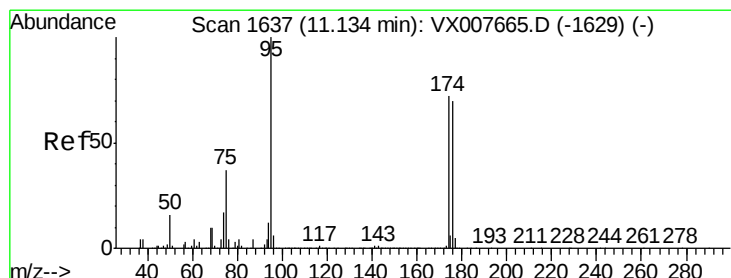
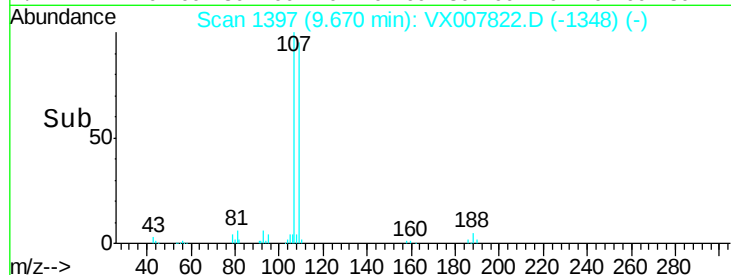
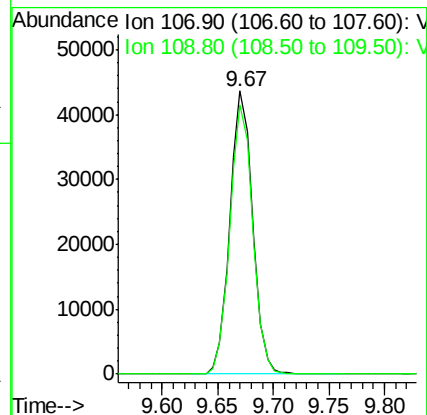
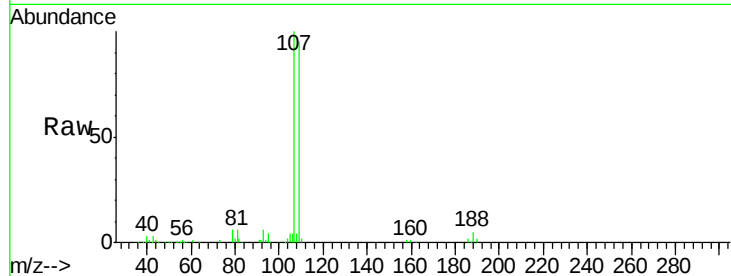
Ion Ratio Lower Upper

107 100

109 95.9 75.1 112.7

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#62

4-Bromofluorobenzene

Concen: 44.599 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007822.D

Acq: 04 Mar 2019 20:22

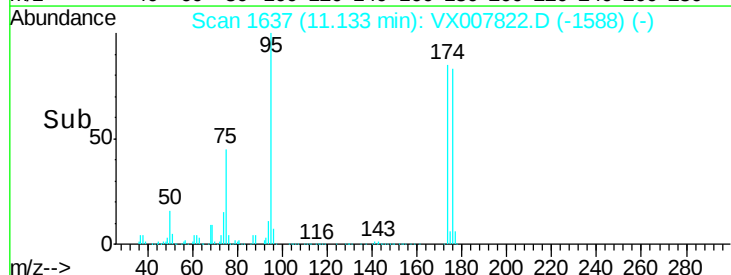
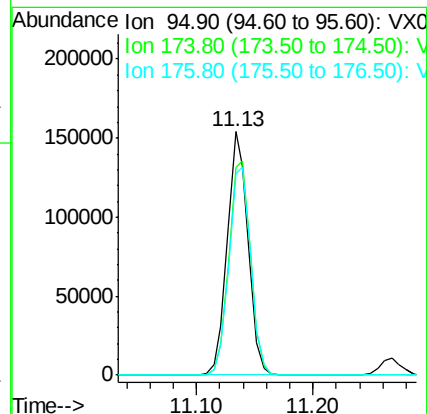
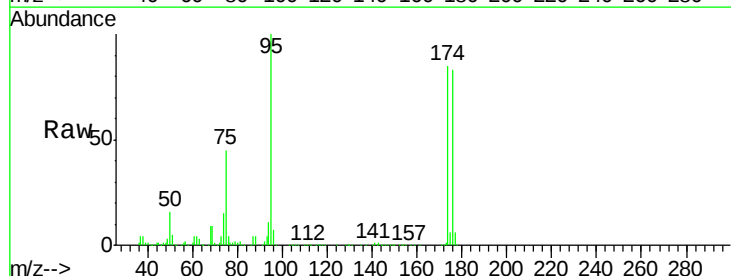
Tgt Ion: 95 Resp: 188610

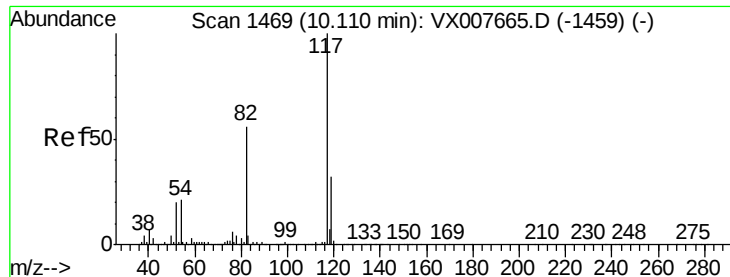
Ion Ratio Lower Upper

95 100

174 92.7 0.0 189.2

176 90.3 0.0 186.2





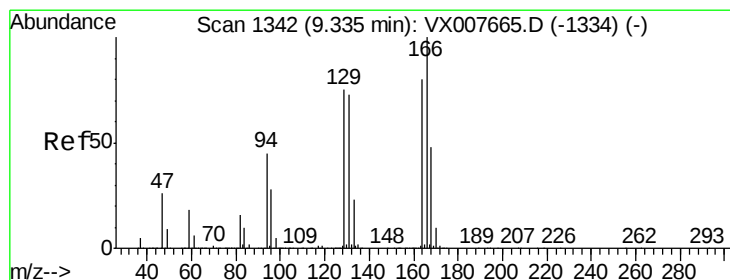
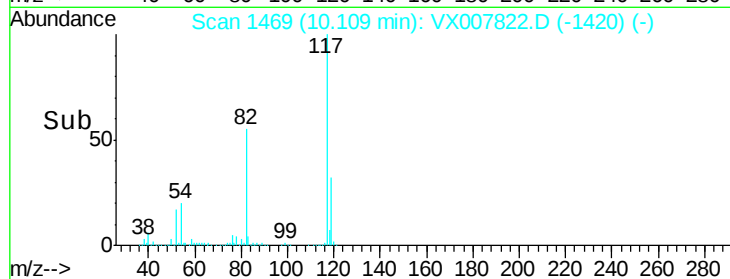
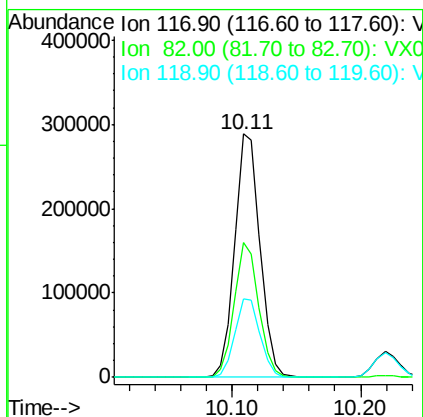
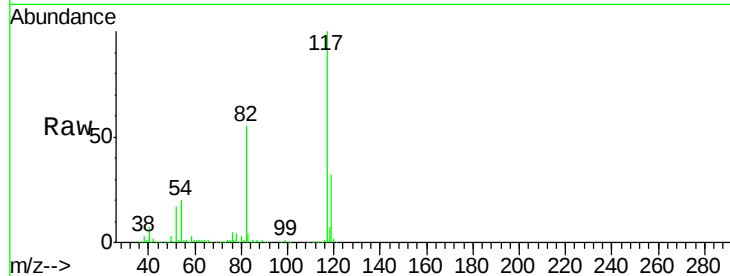
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007822.D
Acq: 04 Mar 2019 20:22

Instrument :
MSVOA_X
ClientSampleId :
VX0304MBSD01

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	55.5	42.1	63.1
119	32.3	26.5	39.7

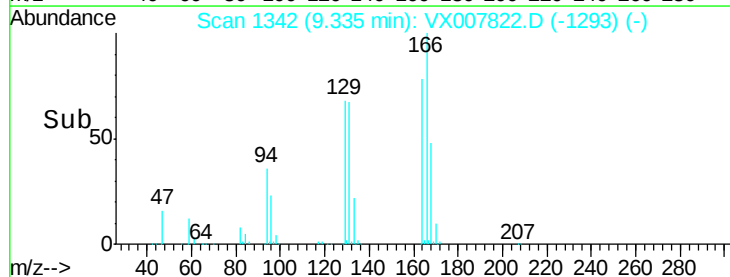
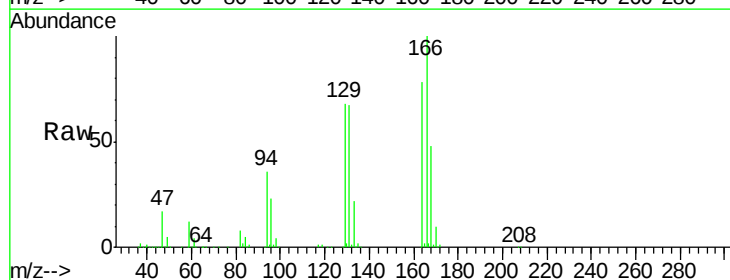
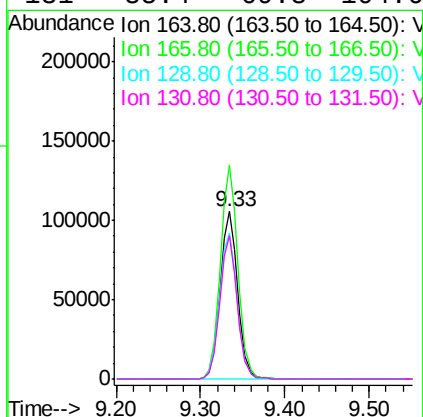
Manual Integrations
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#64
Tetrachloroethene
Concen: 46.954 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007822.D
Acq: 04 Mar 2019 20:22

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
166	127.7	101.0	151.4
129	86.9	70.5	105.7
131	85.4	69.8	104.6





#65

Chlorobenzene

Concen: 18.319 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX007822.D

Acq: 04 Mar 2019 20:22

Instrument :

MSVOA_X

ClientSampleId :

VX0304MBSD01

Tot Ion:112 Resp: 156656

Ion Ratio Lower Upper

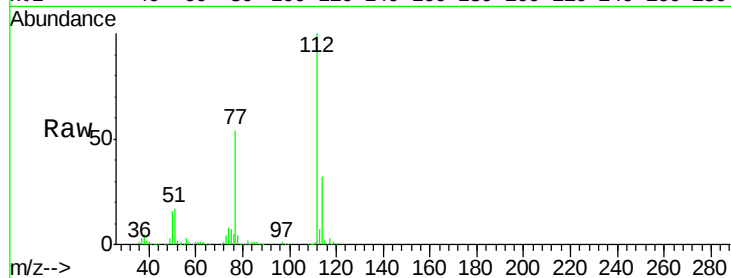
112 100

114 32.0 25.8 38.6

Manual Integrations
APPROVED

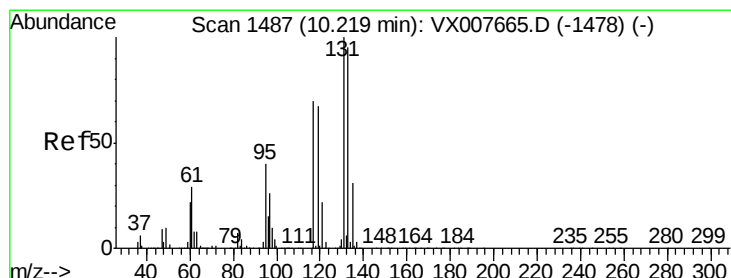
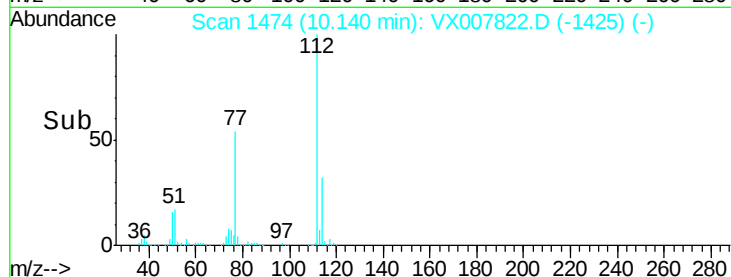
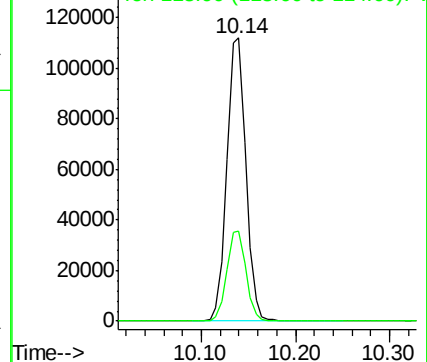
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.751 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX007822.D

Acq: 04 Mar 2019 20:22

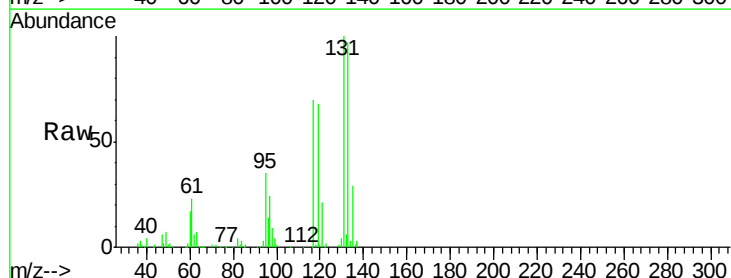
Tgt Ion:131 Resp: 58915

Ion Ratio Lower Upper

131 100

133 96.9 48.0 144.2

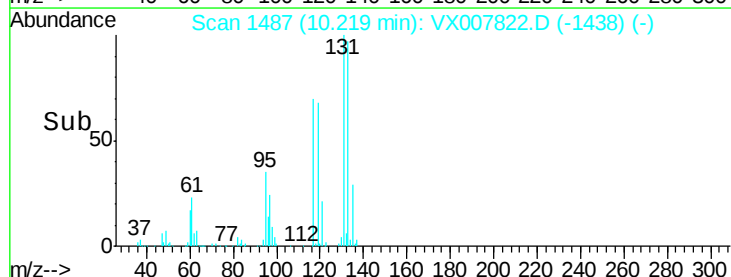
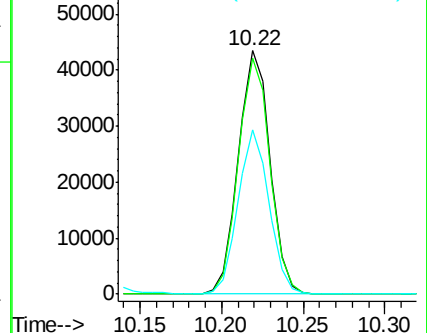
119 66.0 32.0 96.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





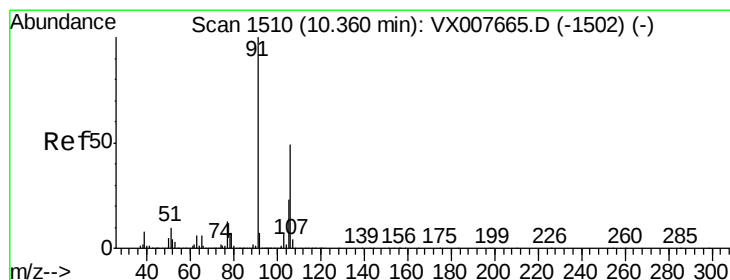
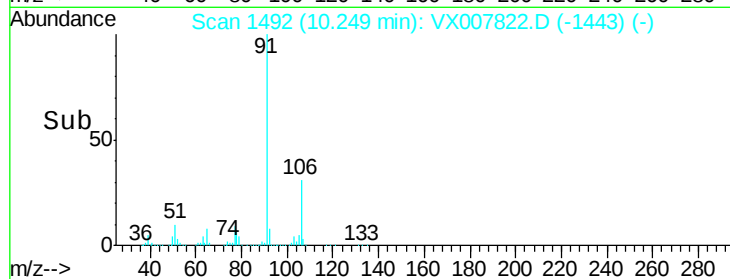
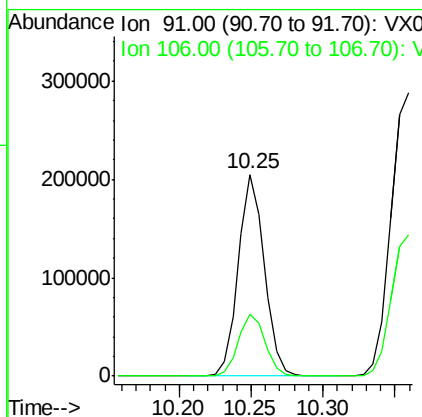
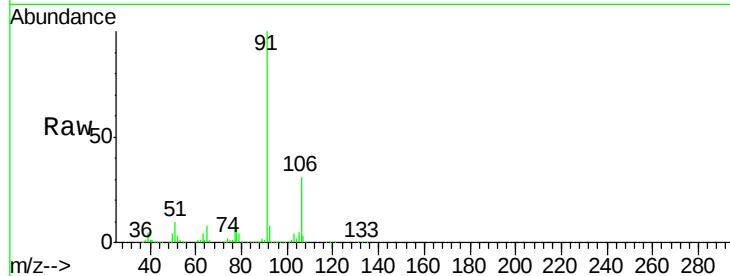
#67
Ethyl Benzene
Concen: 18.213 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX007822.D
Acq: 04 Mar 2019 20:22

Instrument :
MSVOA_X
ClientSampleId :
VX0304MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.5	25.4	38.0

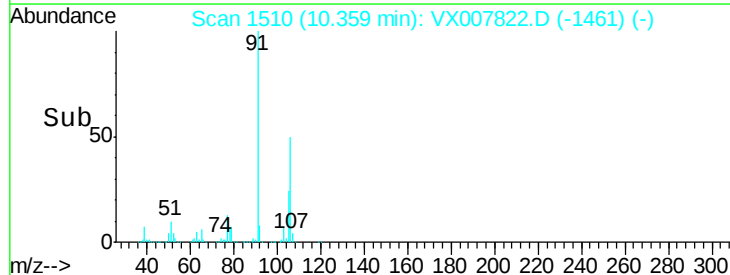
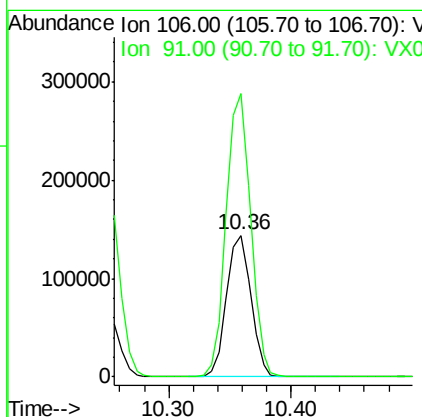
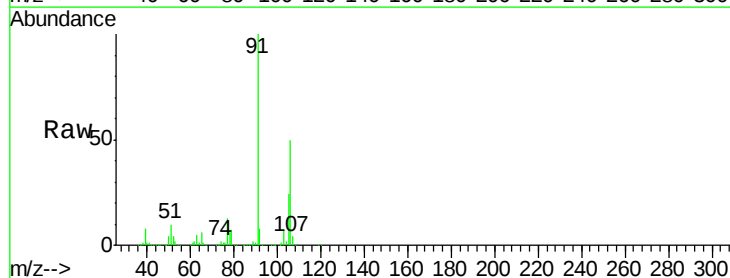
Manual Integrations
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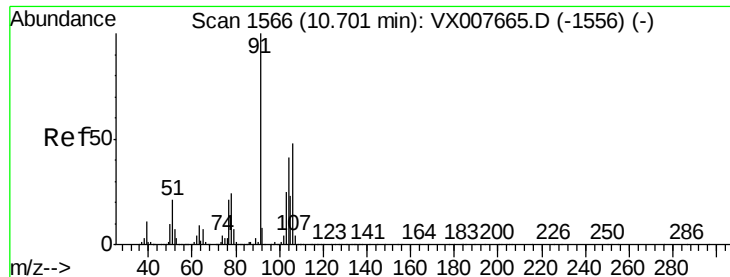
MMDadoda
3/5/2019 9:34:54 AM



#68
m/p-Xylenes
Concen: 36.088 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX007822.D
Acq: 04 Mar 2019 20:22

Tgt Ion	Ratio	Lower	Upper
106	100		
91	200.7	156.6	234.8





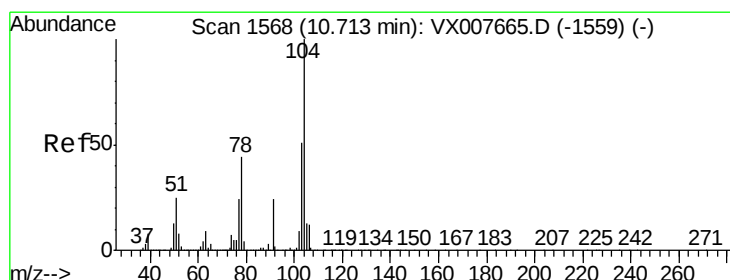
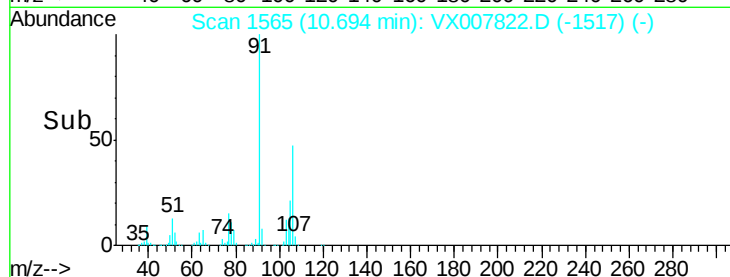
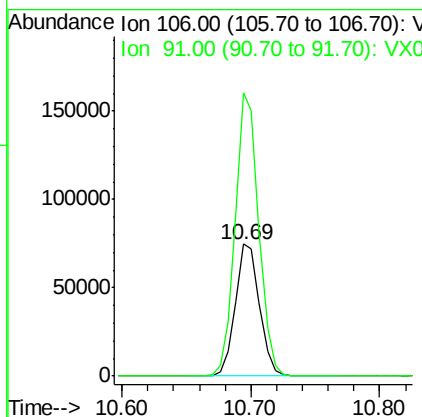
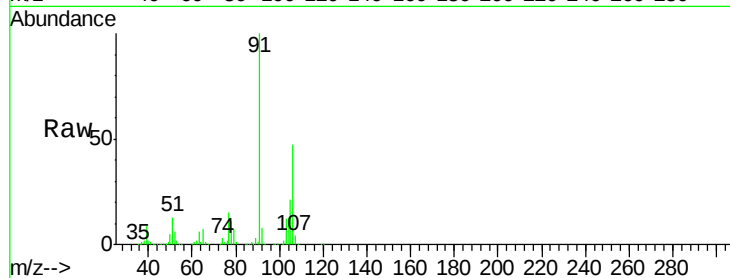
#69
o-Xylene
Concen: 18.379 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX007822.D
Acq: 04 Mar 2019 20:22

Instrument :
MSVOA_X
ClientSampleId :
VX0304MBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.8	102.9	308.7

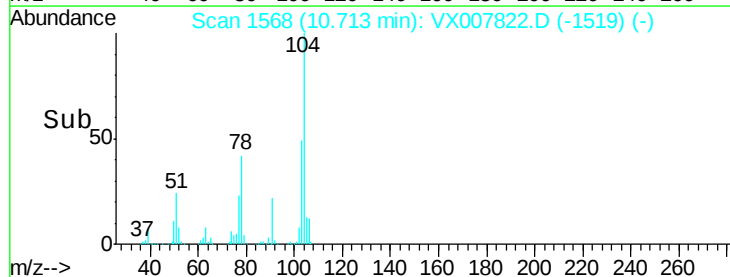
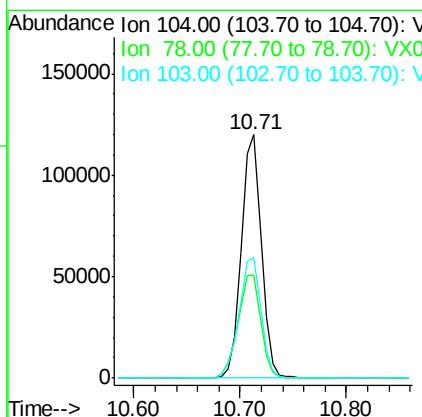
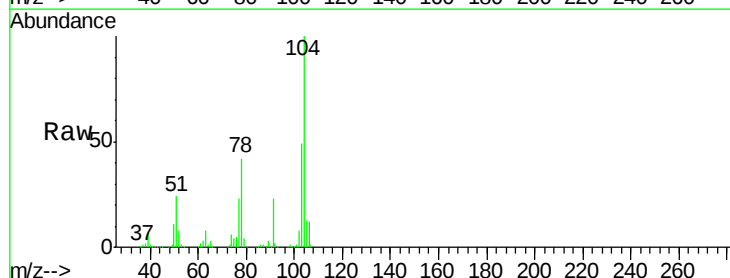
Manual Integrations
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#70
Styrene
Concen: 18.305 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007822.D
Acq: 04 Mar 2019 20:22

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.3	38.3	57.5
103	54.8	44.6	67.0





#71

Bromoform

Concen: 23.639 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX007822.D

Acq: 04 Mar 2019 20:22

Instrument :

MSVOA_X

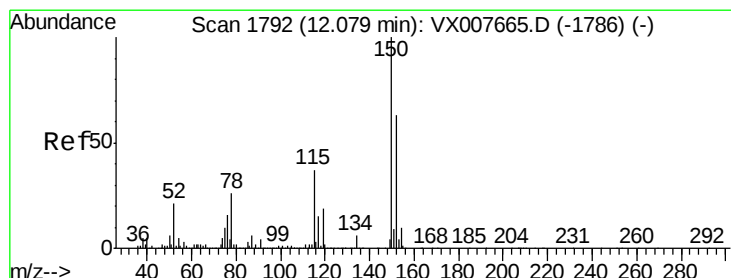
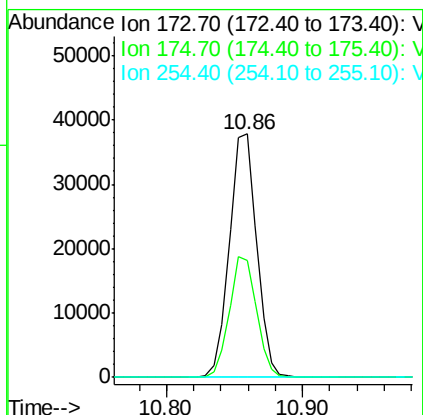
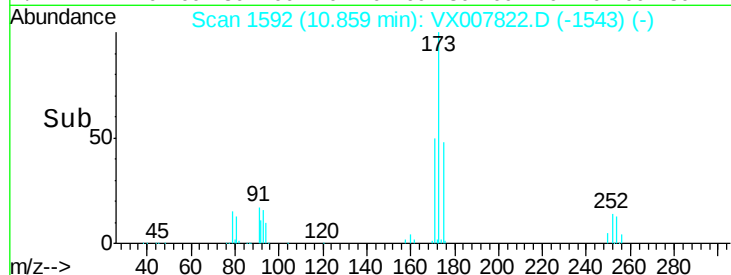
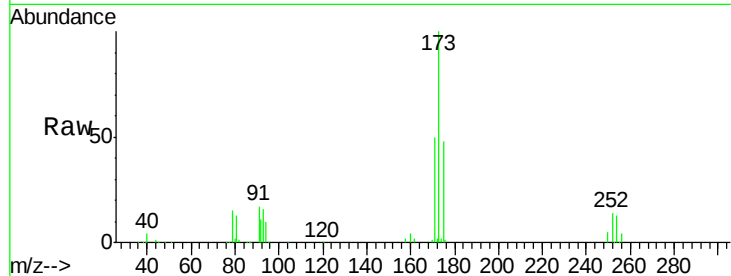
ClientSampleId :

VX0304MBSD01

Tot Ion:	173	Resp:	52877
Ion Ratio	Lower	Upper	
173	100		
175	49.3	24.2	72.6
254	0.2	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

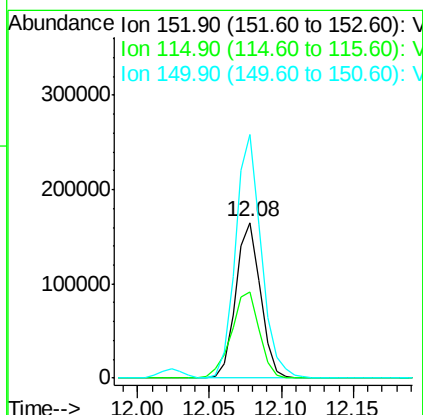
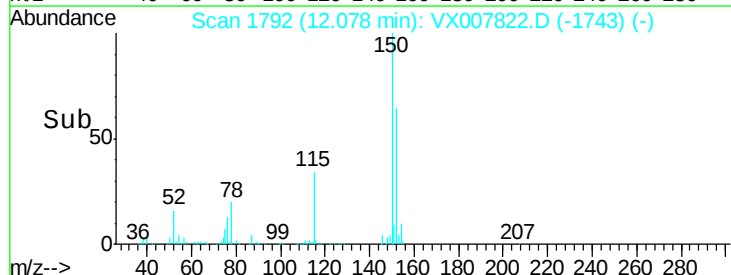
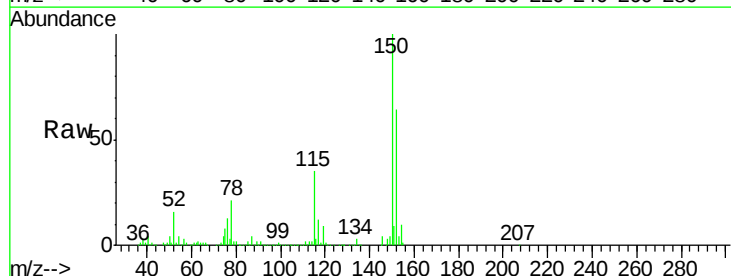
RT: 12.08 min Scan# 1792

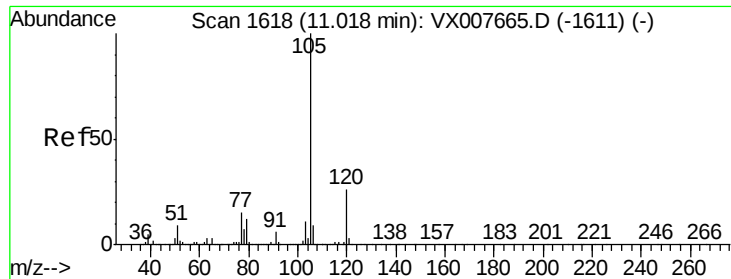
Delta R.T. -0.00 min

Lab File: VX007822.D

Acq: 04 Mar 2019 20:22

Tgt Ion:	152	Resp:	197874
Ion Ratio	Lower	Upper	
152	100		
115	63.0	38.0	114.0
150	162.9	0.0	346.4





#73

Isopropylbenzene

Concen: 18.397 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007822.D

Acq: 04 Mar 2019 20:22

Instrument :

MSVOA_X

ClientSampleId :

VX0304MBSD01

Tot Ion:105 Resp: 260179

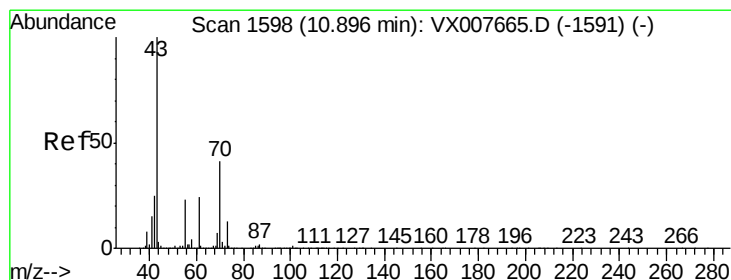
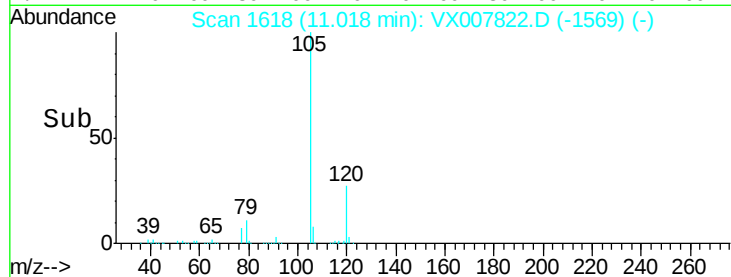
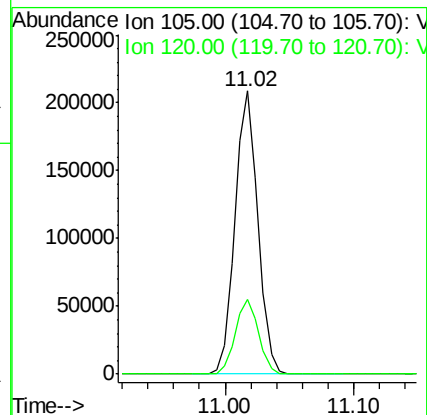
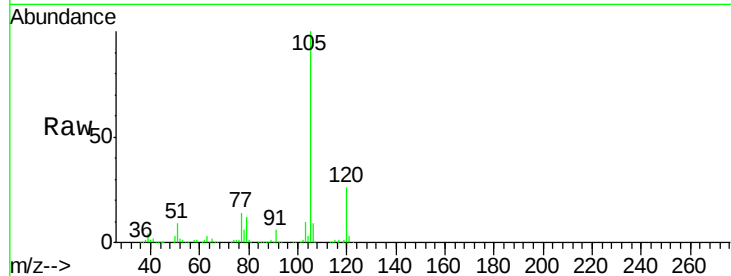
Ion Ratio Lower Upper

105 100

120 26.7 13.6 40.7

Manual Integrations
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#74

N-ethyl acetate

Concen: 19.478 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007822.D

Acq: 04 Mar 2019 20:22

Tgt Ion: 43 Resp: 119620

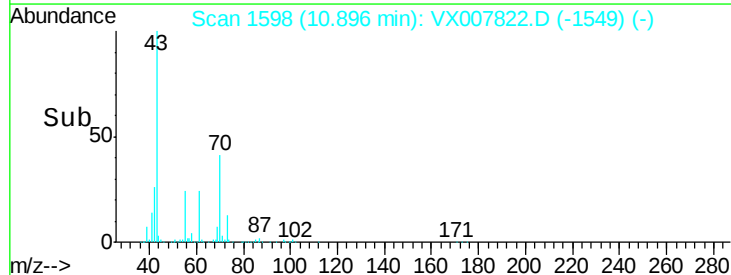
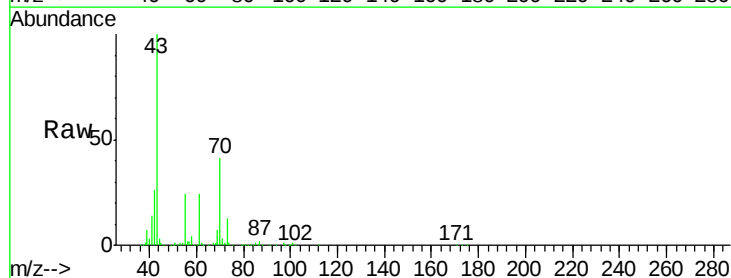
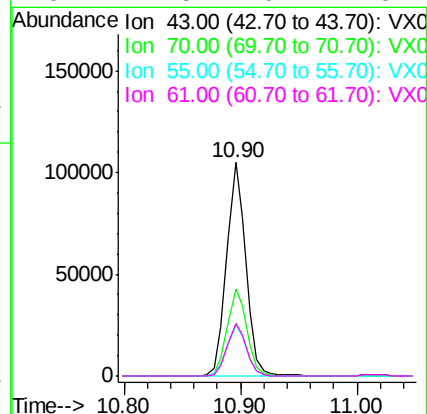
Ion Ratio Lower Upper

43 100

70 41.7 33.8 50.6

55 24.4 19.5 29.3

61 24.5 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 18.456 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007822.D

Acq: 04 Mar 2019 20:22

Instrument :

MSVOA_X

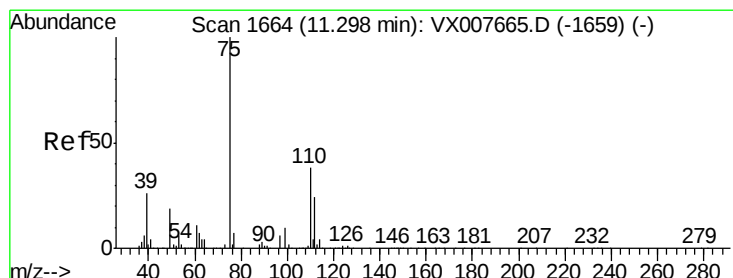
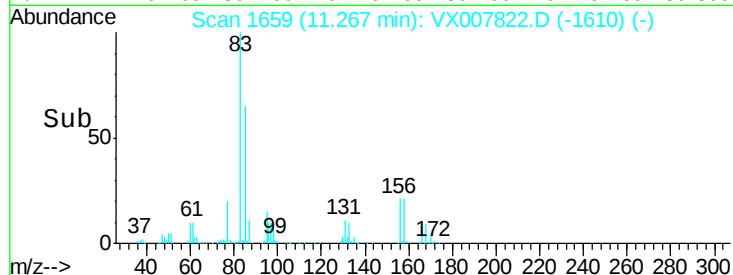
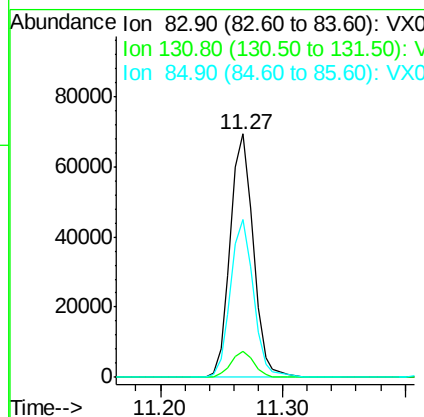
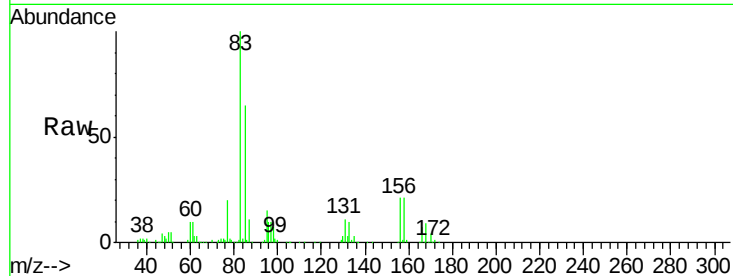
ClientSampleId :

VX0304MBSD01

Tot Ion:	83	Resp:	90274
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.7	17.0
85	64.4	32.8	98.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.374 ug/l m

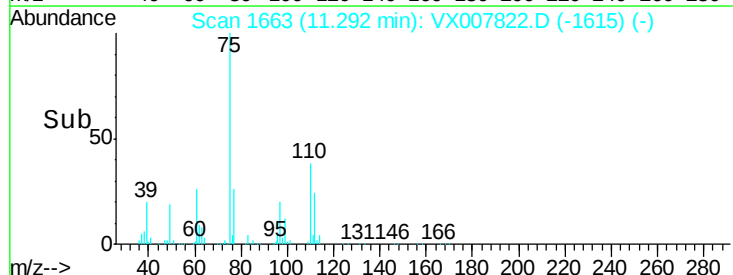
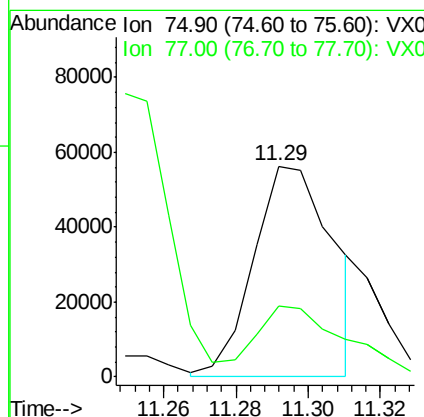
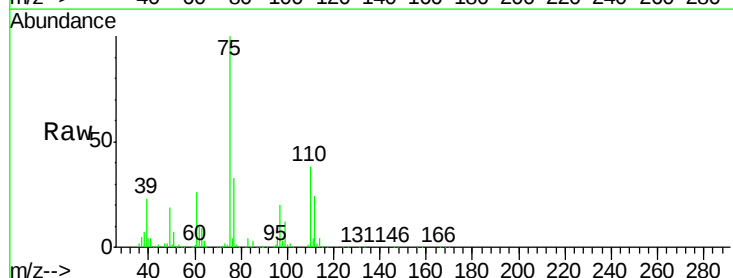
RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX007822.D

Acq: 04 Mar 2019 20:22

Tgt Ion:	75	Resp:	85934
Ion Ratio	Lower	Upper	
75	100		
77	38.7	23.0	69.0





#77

Bromobenzene

Concen: 19.996 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007822.D

Acq: 04 Mar 2019 20:22

Instrument :

MSVOA_X

ClientSampleId :

VX0304MBSD01

Tot Ion:156 Resp: 70930

Ion Ratio Lower Upper

156 100

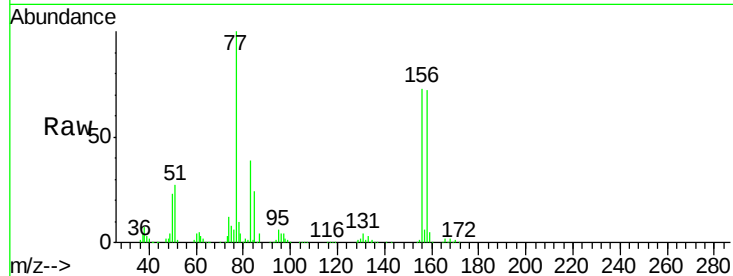
77 141.5 66.8 200.6

158 97.1 47.9 143.8

Manual Integrations
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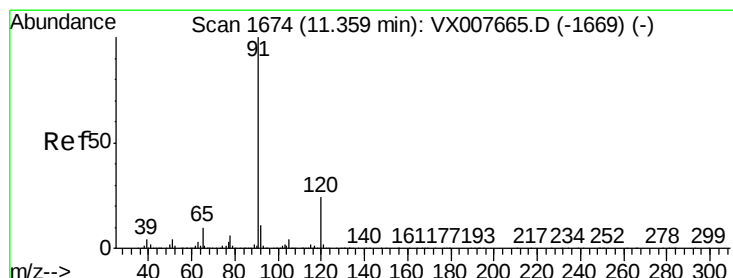
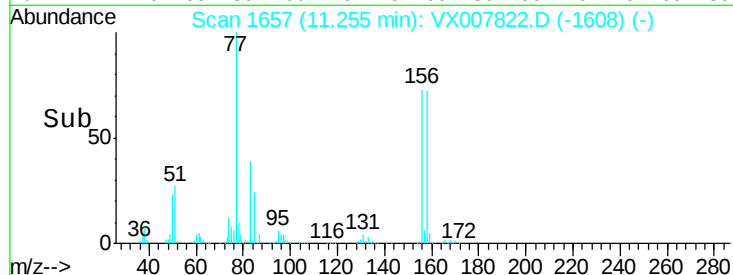
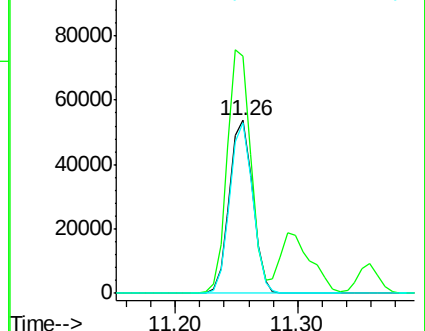
3/5/2019 9:34:54 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.884 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007822.D

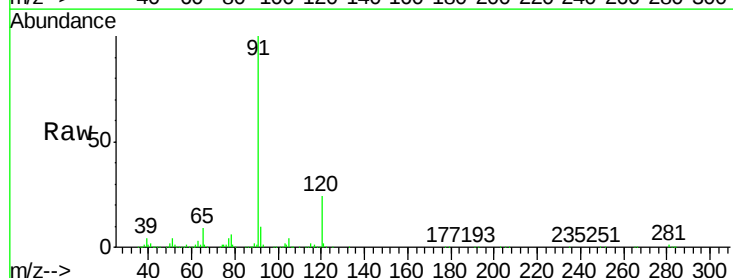
Acq: 04 Mar 2019 20:22

Tgt Ion: 91 Resp: 285805

Ion Ratio Lower Upper

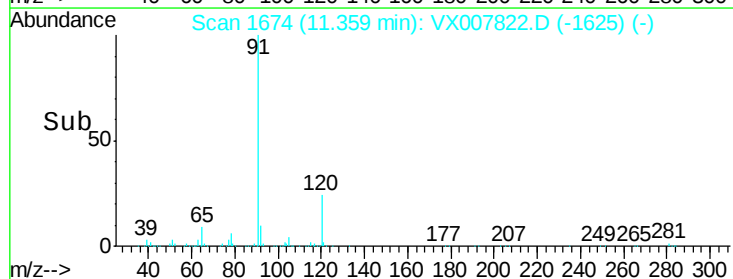
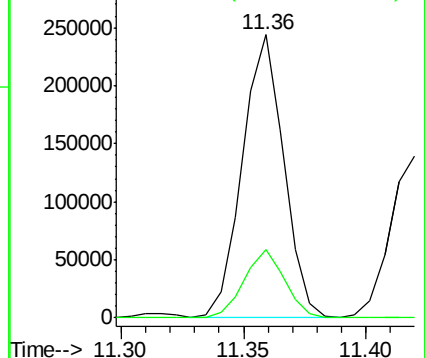
91 100

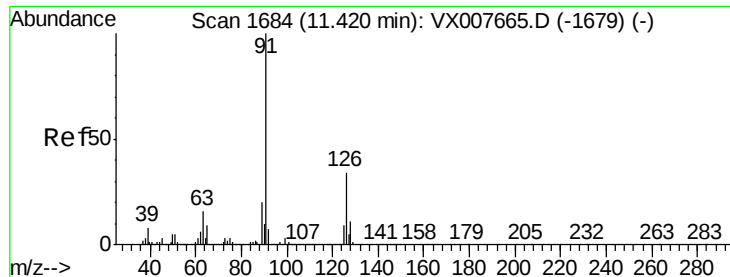
120 23.8 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





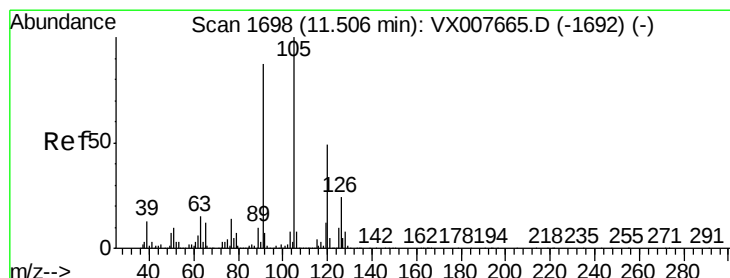
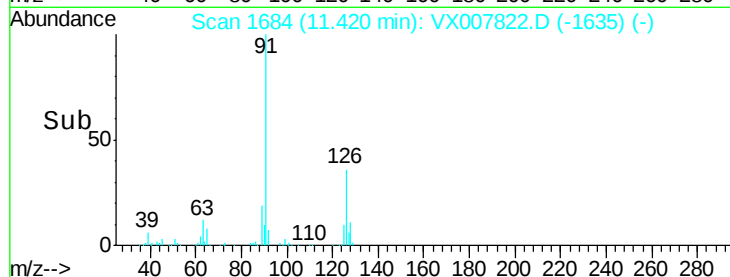
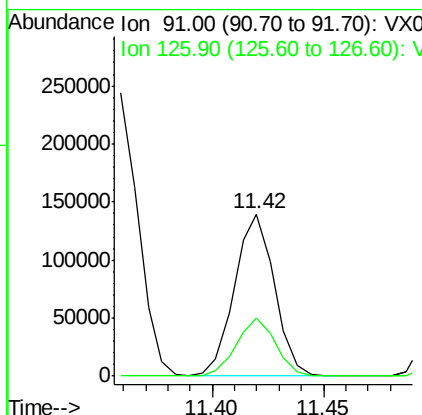
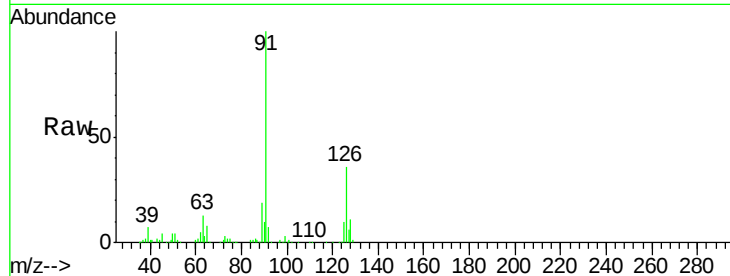
#79
2-Chlorotoluene
Concen: 18.041 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VX007822.D
Acq: 04 Mar 2019 20:22

Instrument :
MSVOA_X
ClientSampleId :
VX0304MBSD01

Tot Ion: 91 Resp: 173604
Ion Ratio Lower Upper
91 100
126 35.5 18.7 56.1

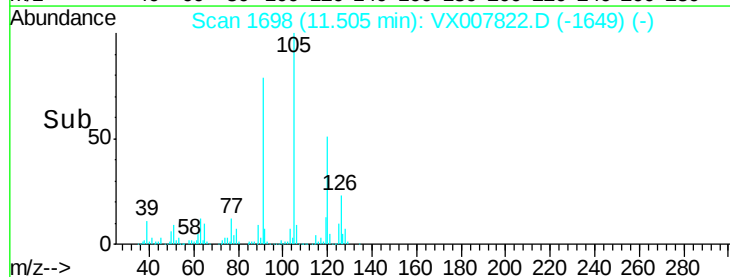
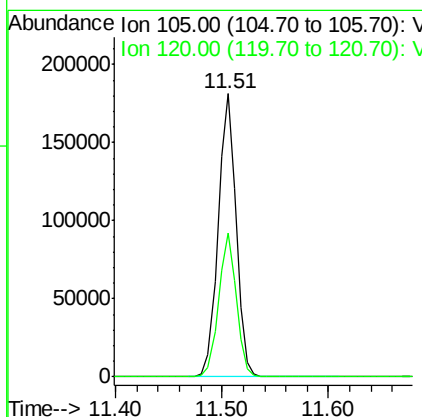
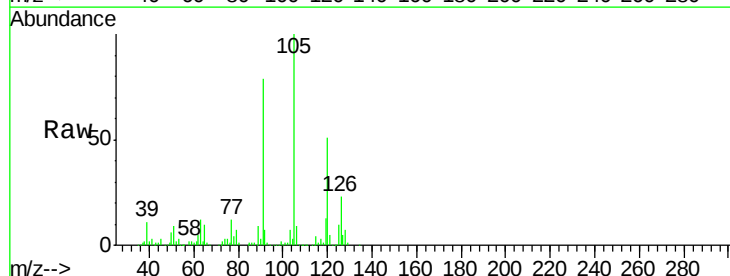
Manual Integrations
APPROVED

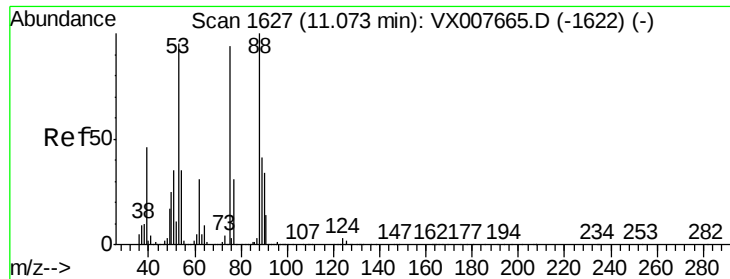
MMDadoda
3/5/2019 9:34:54 AM



#80
1,3,5-Trimethylbenzene
Concen: 18.124 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX007822.D
Acq: 04 Mar 2019 20:22

Tgt Ion: 105 Resp: 210832
Ion Ratio Lower Upper
105 100
120 50.3 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.420 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007822.D

Acq: 04 Mar 2019 20:22

Instrument :

MSVOA_X

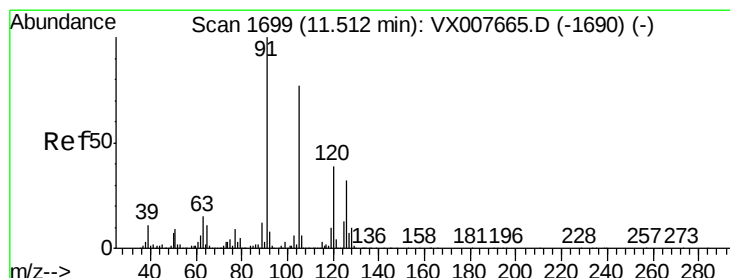
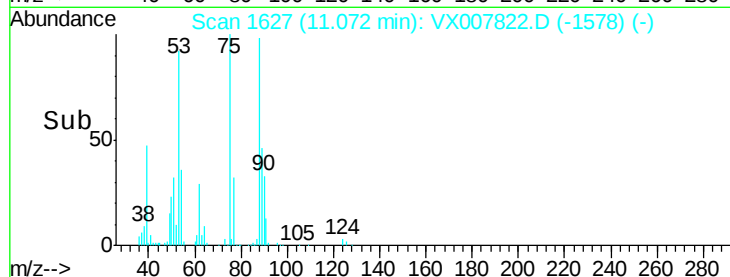
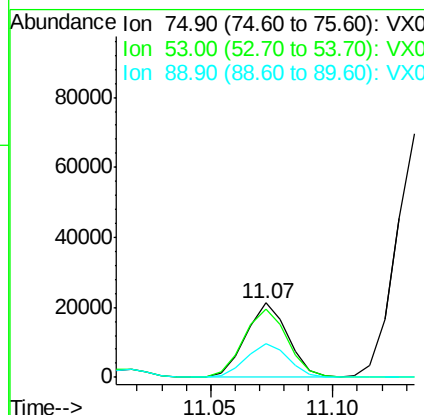
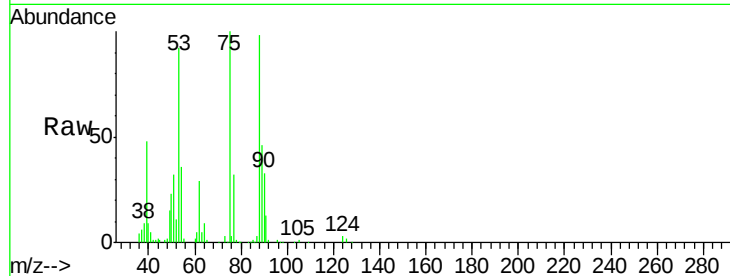
ClientSampleId :

VX0304MBSD01

Tot Ion:	75	Resp:	25809
Ion	Ratio	Lower	Upper
75	100		
53	94.2	81.0	121.6
89	45.8	41.4	62.0

Manual Integrations
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MMDadoda
3/5/2019 9:34:54 AM



#82

4-Chlorotoluene

Concen: 17.482 ug/l

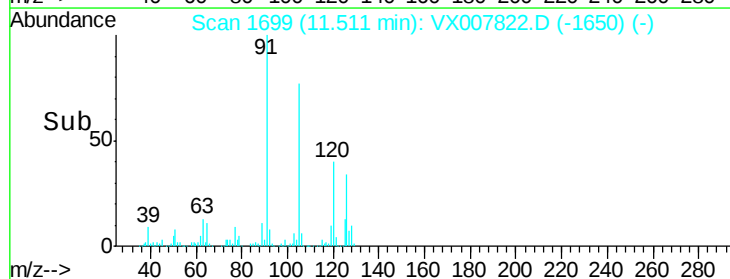
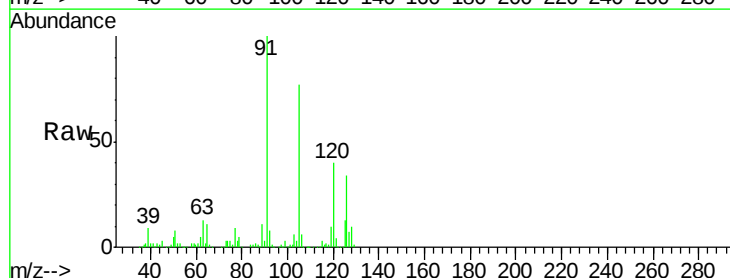
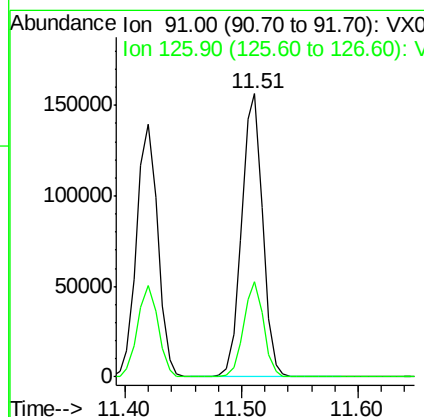
RT: 11.51 min Scan# 1699

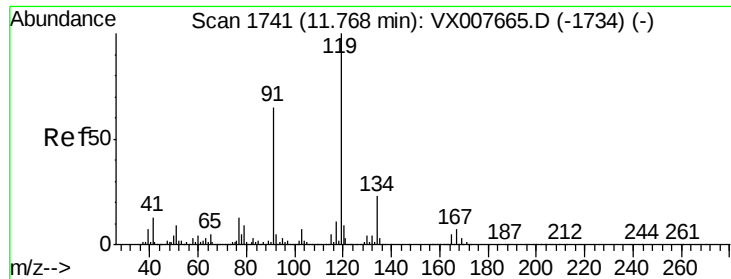
Delta R.T. -0.00 min

Lab File: VX007822.D

Acq: 04 Mar 2019 20:22

Tgt Ion:	91	Resp:	196789
Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.2	48.5





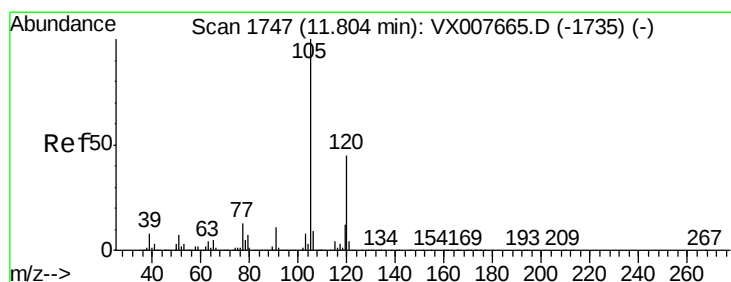
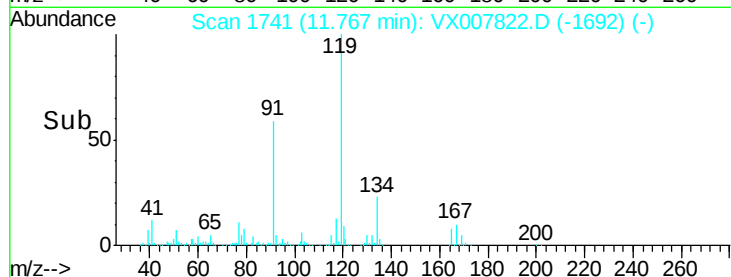
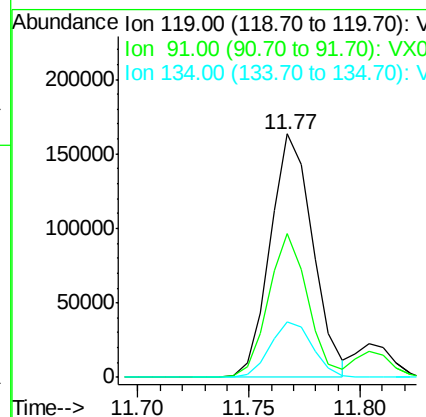
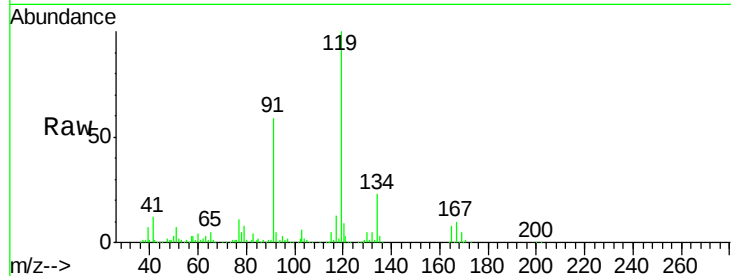
#83
 tert-Butylbenzene
 Concen: 19.437 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX007822.D
 Acq: 04 Mar 2019 20:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0304MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	217097		
91	54.6	28.5	85.6	
134	22.7	12.0	36.0	

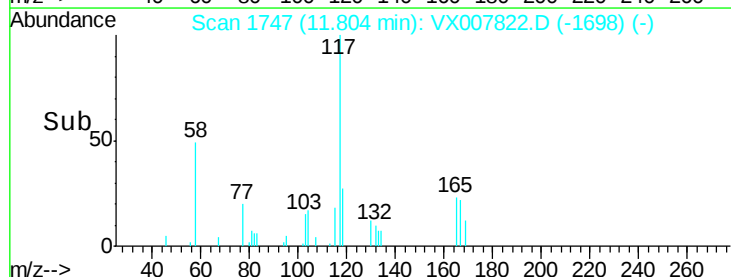
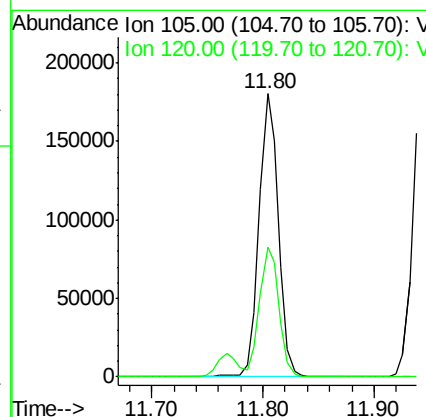
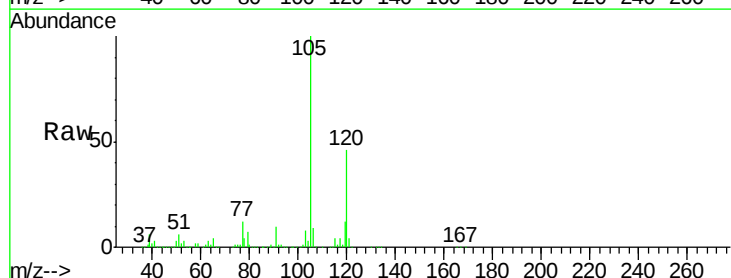
Manual Integrations
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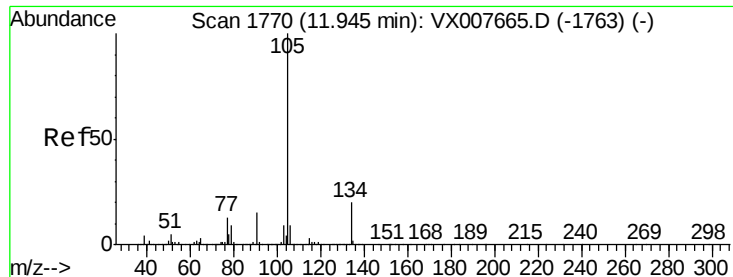
MMDadoda
 3/5/2019 9:34:54 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 18.333 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX007822.D
 Acq: 04 Mar 2019 20:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	218143		
120	45.9	23.1	69.3	





#85

sec-Butylbenzene

Concen: 18.119 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007822.D

Acq: 04 Mar 2019 20:22

Instrument :

MSVOA_X

ClientSampleId :

VX0304MBSD01

Tot Ion:105 Resp: 253603

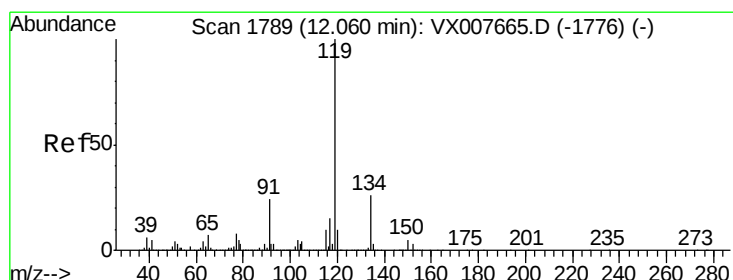
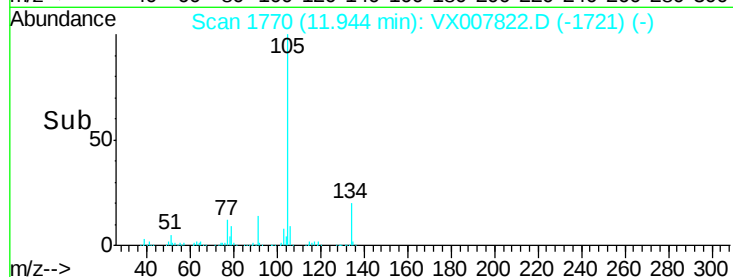
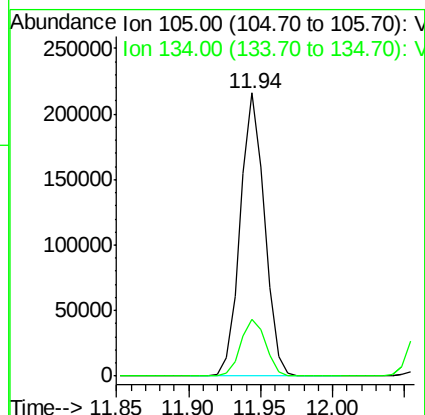
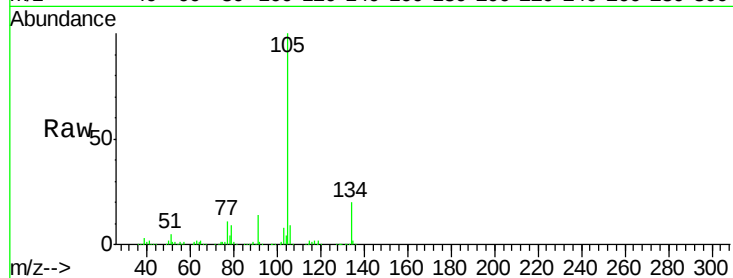
Ion Ratio Lower Upper

105 100

134 20.6 10.6 31.8

Manual Integrations
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3/5/2019 9:34:54 AM



#86

p-Isopropyltoluene

Concen: 18.406 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX007822.D

Acq: 04 Mar 2019 20:22

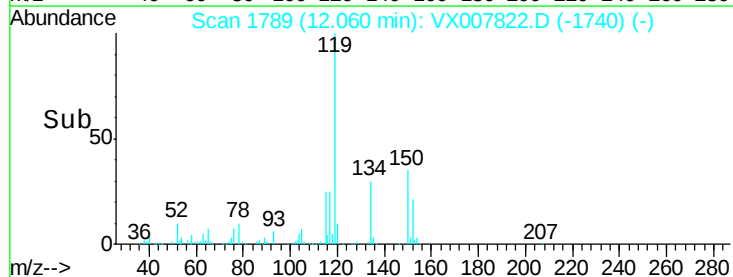
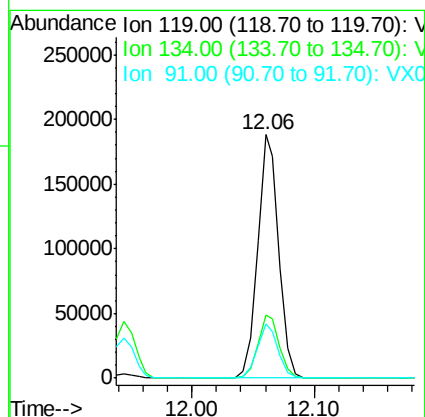
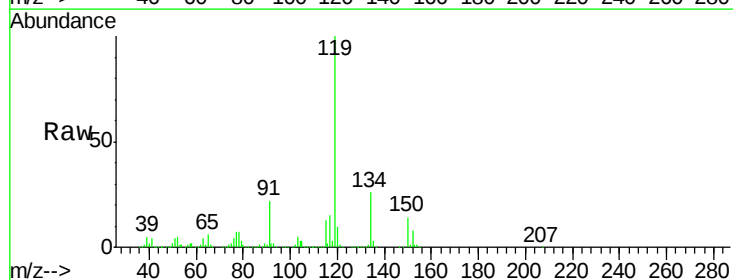
Tgt Ion:119 Resp: 225602

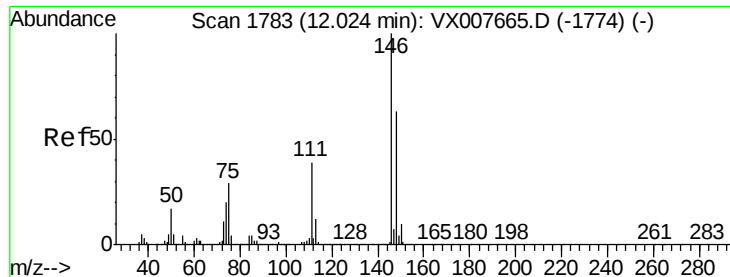
Ion Ratio Lower Upper

119 100

134 26.4 13.7 41.1

91 22.3 11.2 33.5





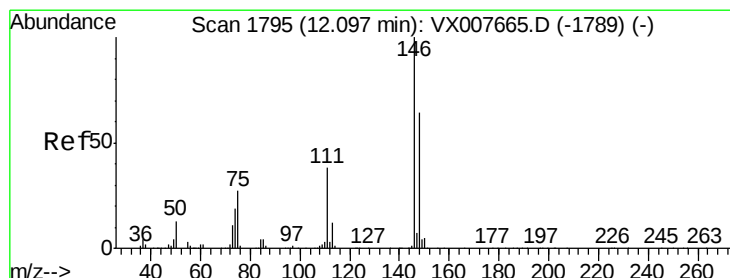
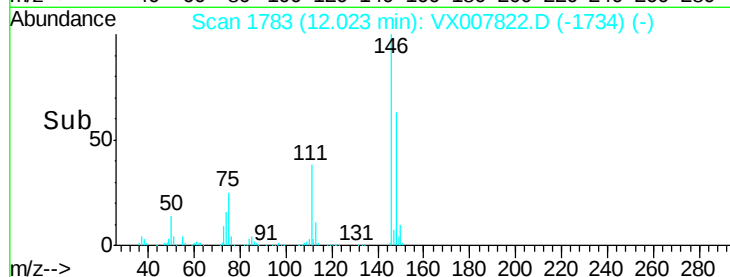
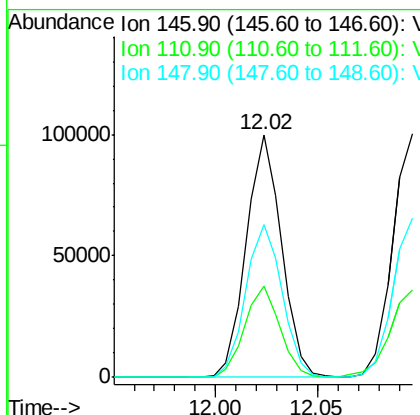
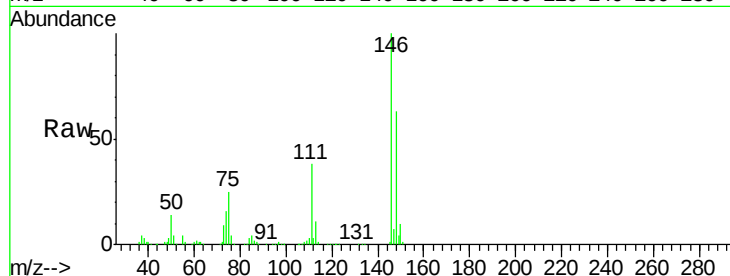
#87
 1,3-Dichlorobenzene
 Concen: 18.290 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX007822.D
 Acq: 04 Mar 2019 20:22

Instrument :
 MSVOA_X
 ClientSampled :
 VX0304MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.1	54.1
148	65.2	32.0	96.2

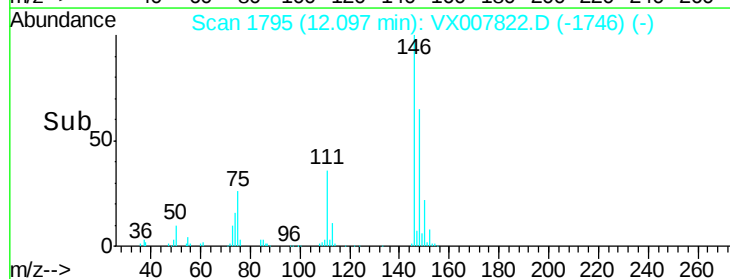
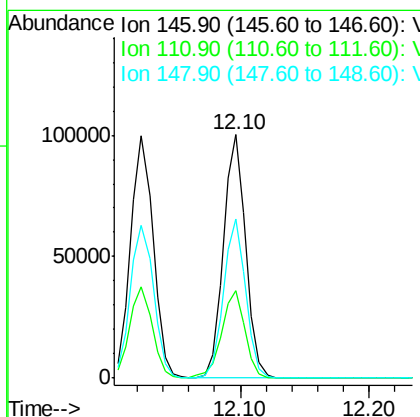
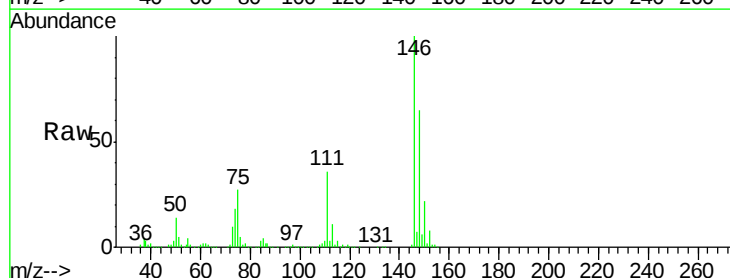
Manual Integrations
 APPROVED

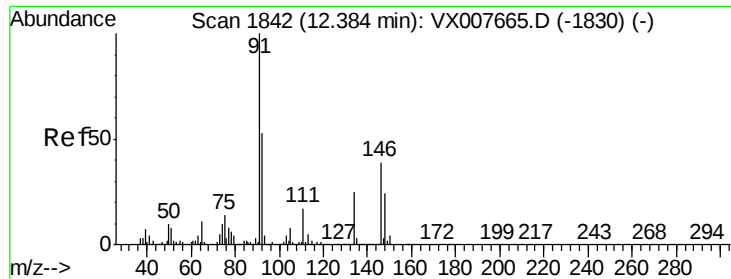
MMDadoda
 3/5/2019 9:34:54 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.138 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007822.D
 Acq: 04 Mar 2019 20:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.1	54.1
148	65.2	32.3	96.9





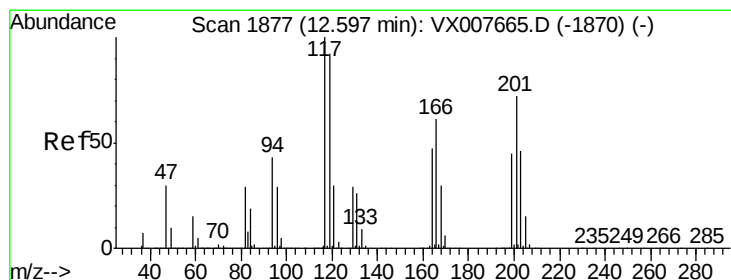
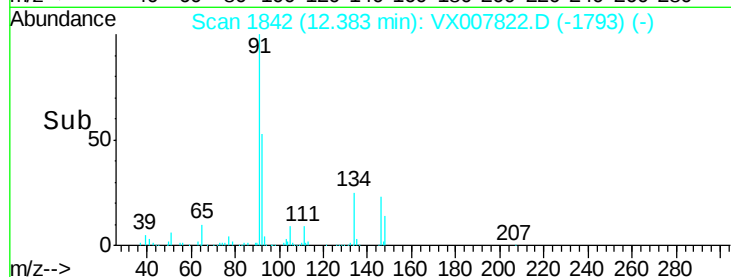
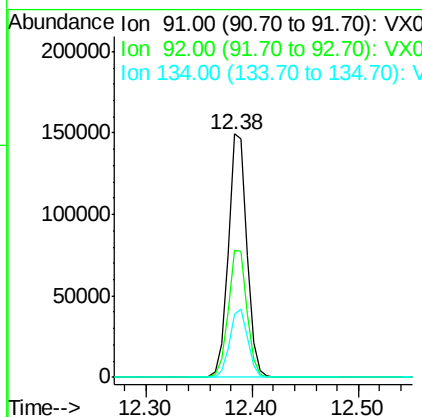
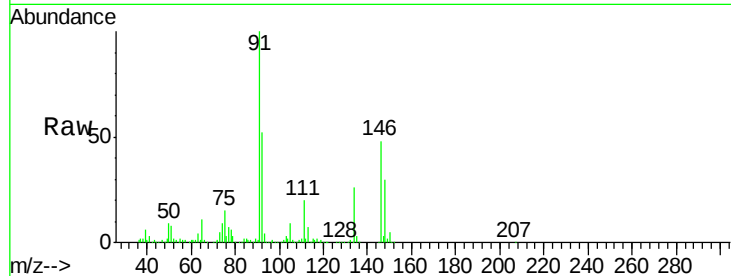
#89
n-Butylbenzene
Concen: 16.720 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX007822.D
Acq: 04 Mar 2019 20:22

Instrument :
MSVOA_X
ClientSampleId :
VX0304MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.3	78.9
134	27.5	13.9	41.6

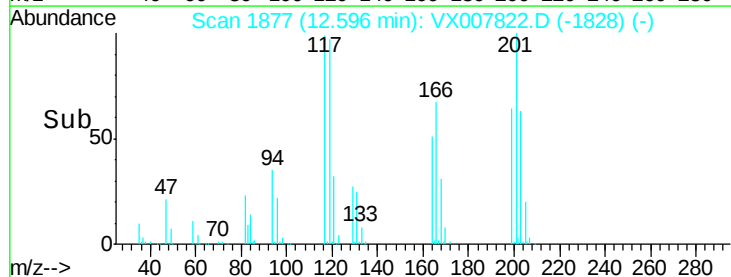
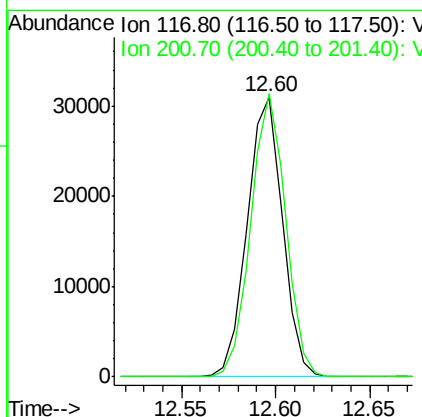
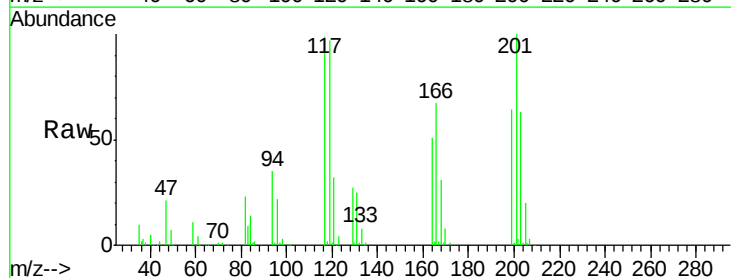
Manual Integrations
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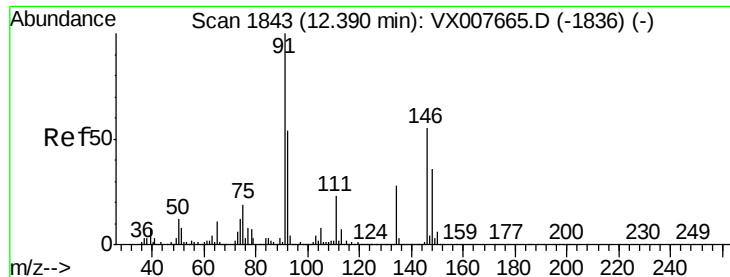
MMDadoda
3/5/2019 9:34:54 AM



#90
Hexachloroethane
Concen: 19.467 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX007822.D
Acq: 04 Mar 2019 20:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	99.5	44.9	134.7





#91

1,2-Dichlorobenzene

Concen: 18.727 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX007822.D

Acq: 04 Mar 2019 20:22

Instrument :

MSVOA_X

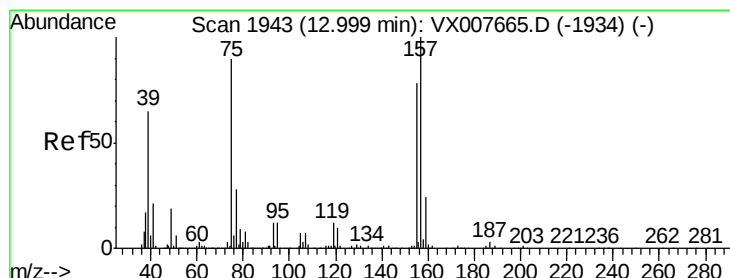
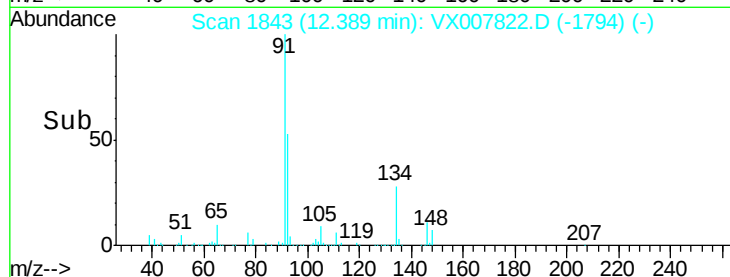
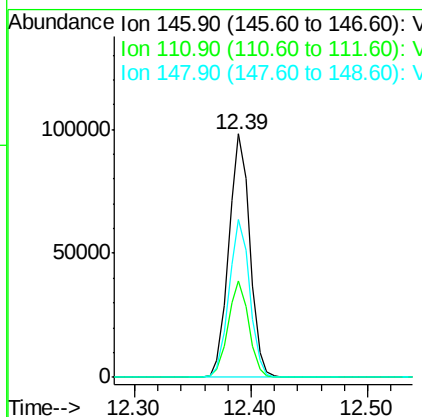
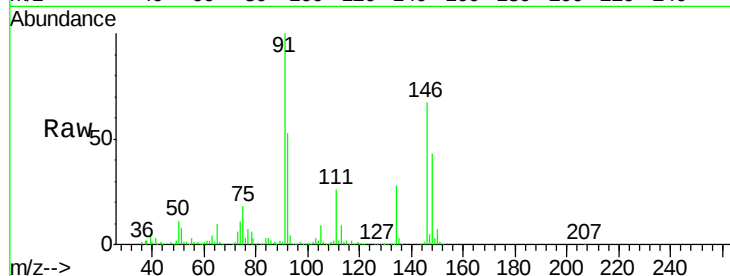
ClientSampleId :

VX0304MBSD01

Tot Ion:	146	Resp:	123287
Ion Ratio	Lower	Upper	
146	100		
111	38.8	19.1	57.3
148	63.8	32.1	96.3

Manual Integrations
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3/5/2019 9:34:54 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.625 ug/l

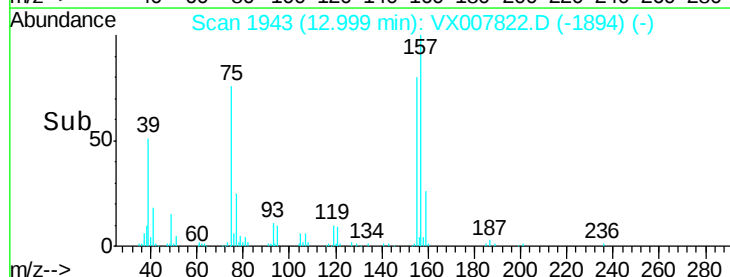
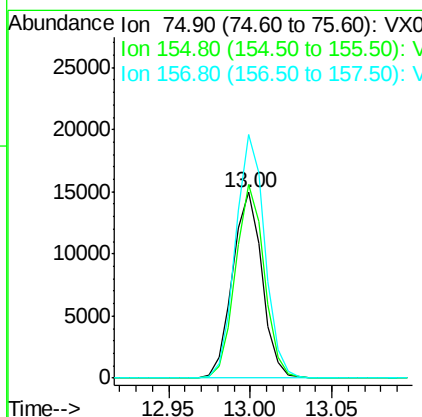
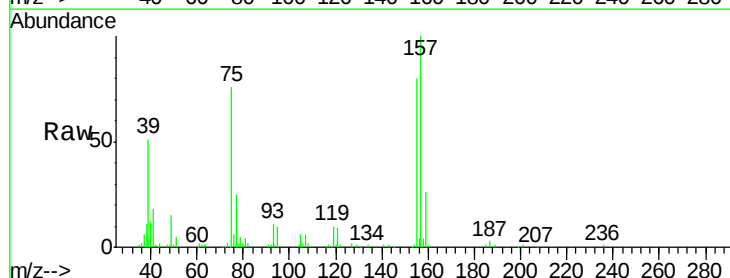
RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX007822.D

Acq: 04 Mar 2019 20:22

Tgt Ion:	75	Resp:	18784
Ion Ratio	Lower	Upper	
75	100		
155	101.3	49.6	149.0
157	129.8	65.1	195.3





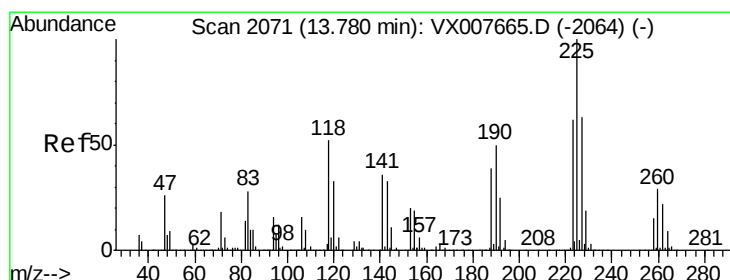
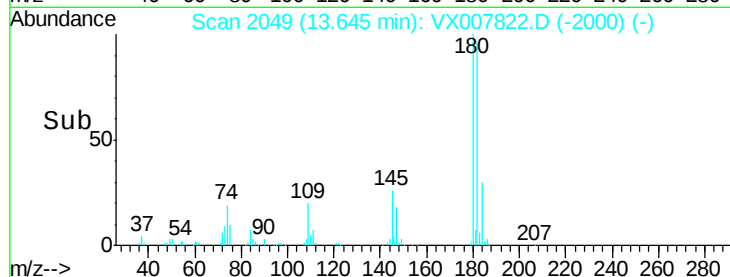
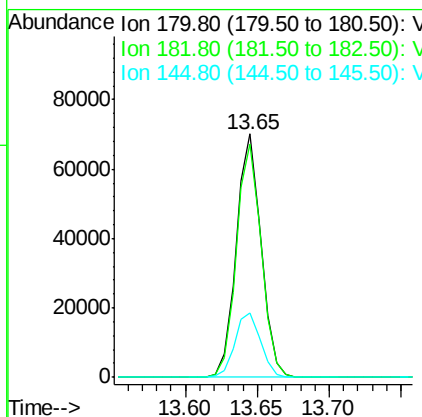
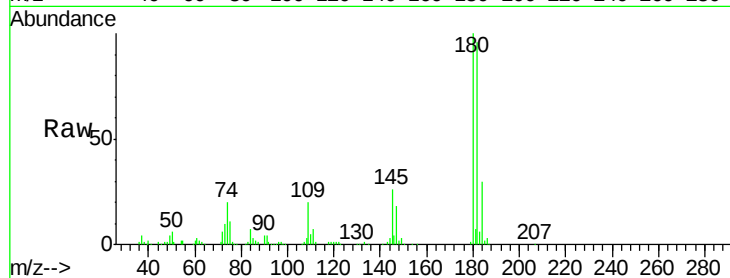
#93
 1,2,4-Trichlorobenzene
 Concen: 20.861 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX007822.D
 Acq: 04 Mar 2019 20:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0304MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.2	47.8	143.3	
145	27.7	14.1	42.2	

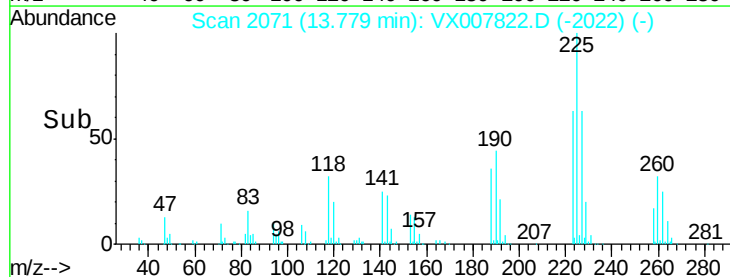
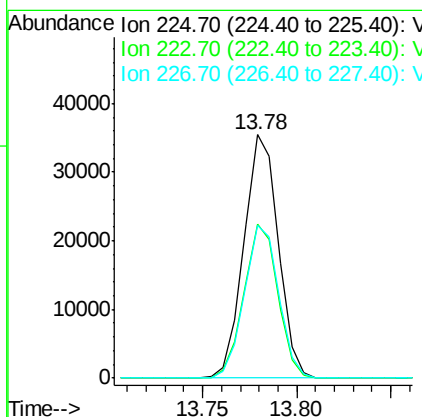
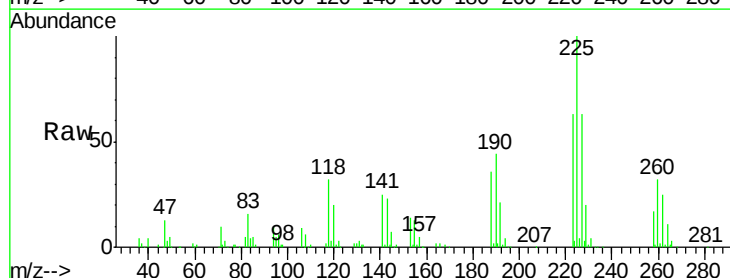
Manual Integrations
 APPROVED

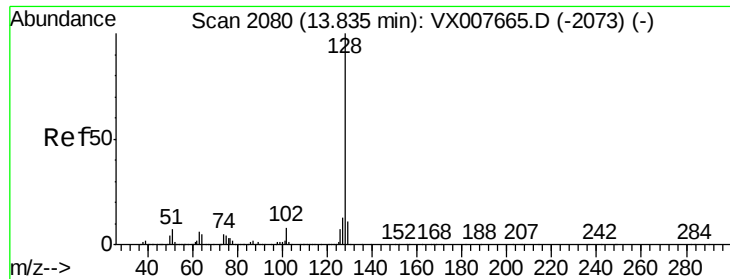
MMDadoda
 3/5/2019 9:34:54 AM



#94
 Hexachlorobutadiene
 Concen: 24.368 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX007822.D
 Acq: 04 Mar 2019 20:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.3	31.6	94.8	
227	62.9	32.1	96.3	





#95

Naphthalene

Concen: 19.440 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007822.D

Acq: 04 Mar 2019 20:22

Instrument :

MSVOA_X

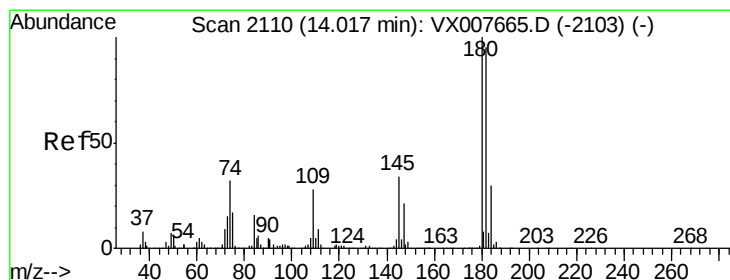
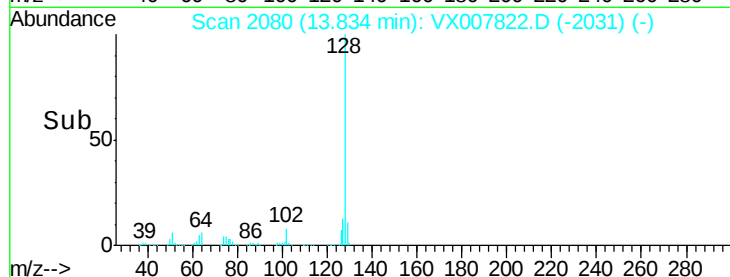
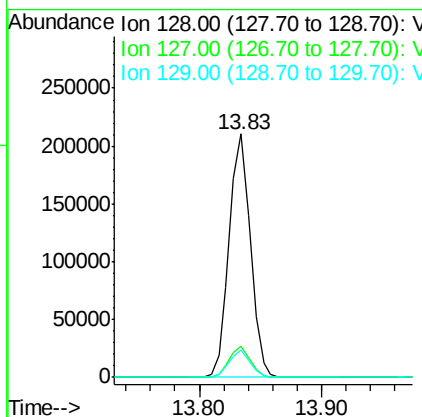
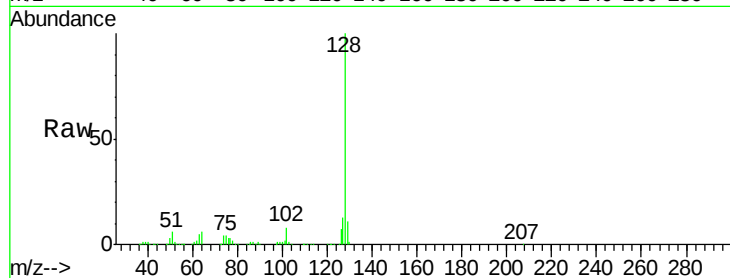
ClientSampleId :

VX0304MBSD01

Tot Ion:	128	Resp:	253106
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.5	15.7
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/5/2019 9:34:54 AM



#96

1,2,3-Trichlorobenzene

Concen: 21.204 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX007822.D

Acq: 04 Mar 2019 20:22

Tgt Ion:	180	Resp:	85559
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.5	142.6
145	29.5	14.9	44.5

