

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030119\
 Data File : VX007789.D
 Acq On : 01 Mar 2019 15:00
 Operator : JC/SP
 Sample : VX0301MBSD01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0301MBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/4/2019 1:36:17 PM

Quant Time: Mar 01 22:52:46 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	5.67	168	296312	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	426923	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	384573	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	193837	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	171227	46.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.30%	
35) Dibromofluoromethane	5.51	113	142947	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
50) Toluene-d8	8.71	98	544816	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
62) 4-Bromofluorobenzene	11.13	95	193439	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	48393	17.729	ug/l	97
3) Chloromethane	1.33	50	56594	18.710	ug/l	99
4) Vinyl Chloride	1.41	62	59252	19.093	ug/l	99
5) Bromomethane	1.64	94	34513	16.618	ug/l	98
6) Chloroethane	1.73	64	42866	21.620	ug/l	99
7) Trichlorofluoromethane	1.93	101	82748	17.394	ug/l	99
8) Diethyl Ether	2.19	74	35252	18.055	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.39	101	49271	17.135	ug/l	98
10) Methyl Iodide	2.51	142	69281	19.350	ug/l	99
11) Tert butyl alcohol	3.07	59	69789	100.214	ug/l	98
12) 1,1-Dichloroethene	2.38	96	46598	17.978	ug/l	93
13) Acrolein	2.30	56	72077	116.474	ug/l	99
14) Allyl chloride	2.73	41	97943	20.437	ug/l	92
15) Acrylonitrile	3.15	53	169516	103.437	ug/l	99
16) Acetone	2.45	43	158748	97.259	ug/l	99
17) Carbon Disulfide	2.57	76	122111	16.934	ug/l	99
18) Methyl Acetate	2.78	43	79132	22.218	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	171777	19.032	ug/l	100
20) Methylene Chloride	2.86	84	55308	18.351	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	50715	17.998	ug/l	93
22) Diisopropyl ether	3.87	45	198621	19.909	ug/l	96
23) Vinyl Acetate	3.82	43	849771	97.083	ug/l	96
24) 1,1-Dichloroethane	3.70	63	105400	19.439	ug/l	98
25) 2-Butanone	4.70	43	255750	102.864	ug/l	93
26) 2,2-Dichloropropane	4.59	77	73503	16.983	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	62809	17.518	ug/l	92
28) Bromochloromethane	5.02	49	51684	19.580	ug/l	85
29) Tetrahydrofuran	5.15	42	164986	100.669	ug/l	93
30) Chloroform	5.21	83	102632	17.671	ug/l	99
31) Cyclohexane	5.57	56	93162	18.266	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	84643	17.622	ug/l	97
36) 1,1-Dichloropropene	5.80	75	75581	19.692	ug/l	97
37) Ethyl Acetate	4.85	43	93654	21.966	ug/l	99
38) Carbon Tetrachloride	5.79	117	71644	18.582	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	91279	18.817	ug/l	94
40) Benzene	6.15	78	237429	20.039	ug/l	100
41) Methacrylonitrile	5.06	41	51945	22.816	ug/l	96
42) 1,2-Dichloroethane	6.20	62	82268	20.658	ug/l	100
43) Isopropyl Acetate	6.46	43	139887	21.318	ug/l	98
44) Trichloroethene	7.21	130	63559	19.501	ug/l	95
45) 1,2-Dichloropropane	7.52	63	63738	20.767	ug/l	98
46) Dibromomethane	7.66	93	39803	18.589	ug/l	97
47) Bromodichloromethane	7.90	83	71806	19.352	ug/l	98
48) Methyl methacrylate	7.77	41	75996	22.094	ug/l	90
49) 1,4-Dioxane	7.75	88	29983	403.591	ug/l	92
51) 4-Methyl-2-Pentanone	8.65	43	478917	109.033	ug/l	99
52) Toluene	8.78	92	148413	19.864	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	78189	18.802	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	89199	19.809	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	61809	19.839	ug/l	98
56) Ethyl methacrylate	9.18	69	91912	20.745	ug/l	94
57) 1,3-Dichloropropane	9.37	76	101963	20.444	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	262030	107.247	ug/l	97
59) 2-Hexanone	9.49	43	365798	106.076	ug/l	100
60) Dibromochloromethane	9.59	129	57153	19.064	ug/l	99
61) 1,2-Dibromoethane	9.67	107	63422	19.606	ug/l	99
64) Tetrachloroethene	9.34	164	65584	21.007	ug/l	98
65) Chlorobenzene	10.13	112	163036	19.601	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	57152	19.698	ug/l	98
67) Ethyl Benzene	10.25	91	270850	19.657	ug/l	98
68) m/p-Xylenes	10.36	106	207697	38.748	ug/l	97
69) o-Xylene	10.69	106	101752	19.735	ug/l	97
70) Styrene	10.71	104	168628	19.898	ug/l	99
71) Bromoform	10.86	173	43957	20.204	ug/l #	98
73) Isopropylbenzene	11.02	105	271057	19.566	ug/l	99
74) N-amyl acetate	10.90	43	121349	20.171	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	90914	18.974	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	90118m	21.811	ug/l	
77) Bromobenzene	11.26	156	73271	21.086	ug/l	94
78) n-propylbenzene	11.36	91	301263	19.244	ug/l	98
79) 2-Chlorotoluene	11.42	91	182232	19.332	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	223046	19.573	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	24520	17.955	ug/l	94
82) 4-Chlorotoluene	11.51	91	206486	18.725	ug/l	98
83) tert-Butylbenzene	11.77	119	217937	19.919	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	231367	19.849	ug/l	97
85) sec-Butylbenzene	11.94	105	265894	19.393	ug/l	99
86) p-Isopropyltoluene	12.06	119	236961	19.735	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	127421	19.769	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	127053	19.247	ug/l	99
89) n-Butylbenzene	12.38	91	196316	18.333	ug/l	99
90) Hexachloroethane	12.60	117	35691	17.641	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	127602	19.786	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	18260	17.490	ug/l	98

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Instrument :
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ClientSampleId :
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Manual Integrations
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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	87589	22.250	ug/l	99
94) Hexachlorobutadiene	13.78	225	47912	26.605	ug/l	98
95) Naphthalene	13.83	128	261067	20.469	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	87828	22.220	ug/l	99

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

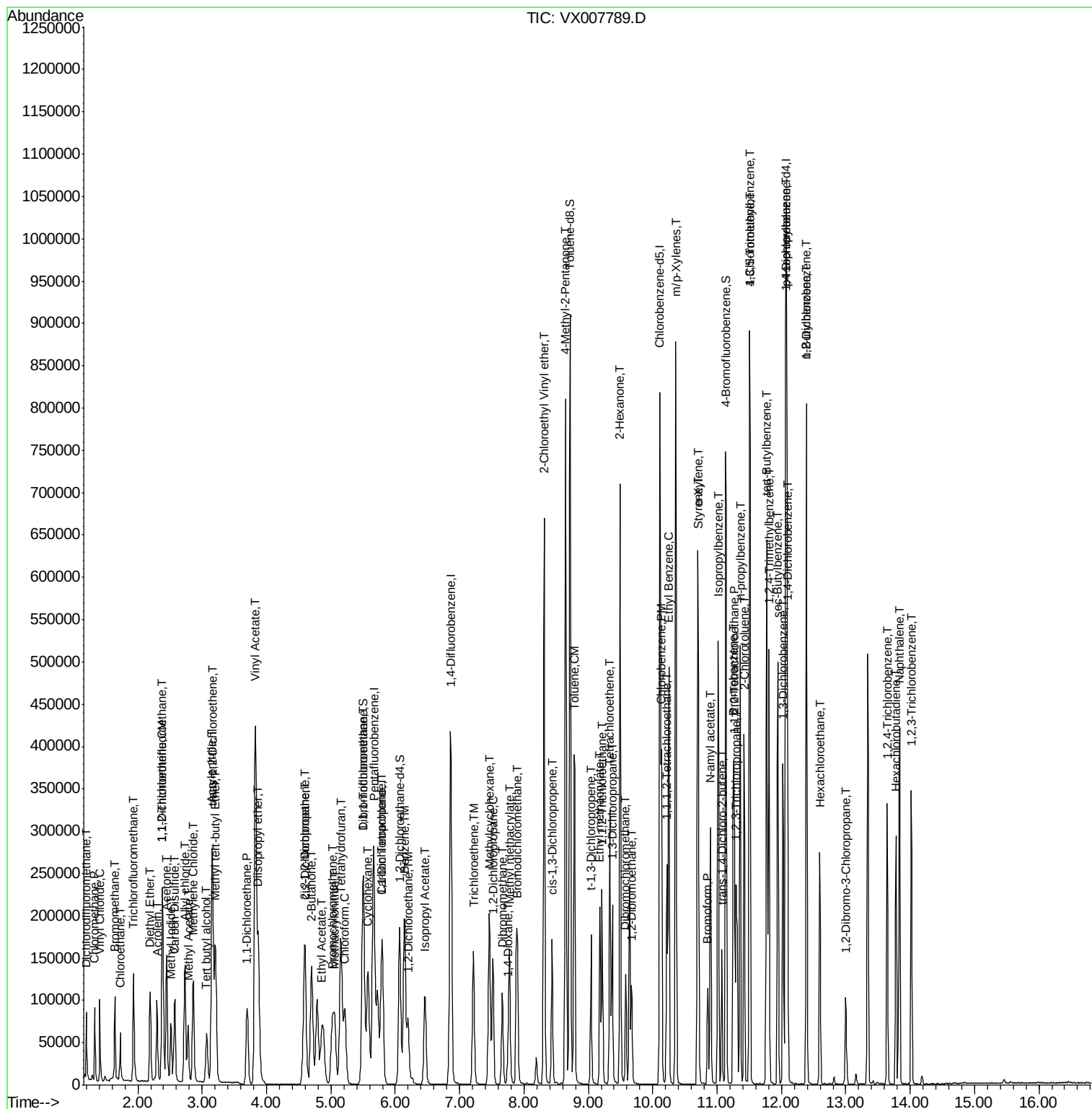
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX030119\
 Data File : VX007789.D
 Acq On : 01 Mar 2019 15:00
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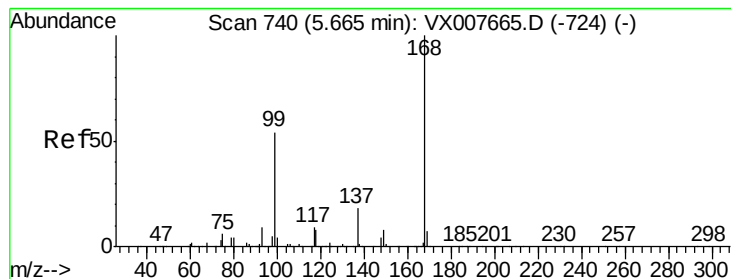
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0301MBSD01

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007789.D

Acq: 01 Mar 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

VX0301MBSD01

Tot Ion:168 Resp: 296312

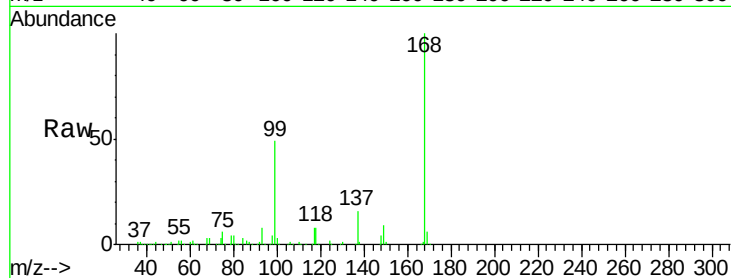
Ion Ratio Lower Upper

168 100

99 48.7 37.9 56.9

Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

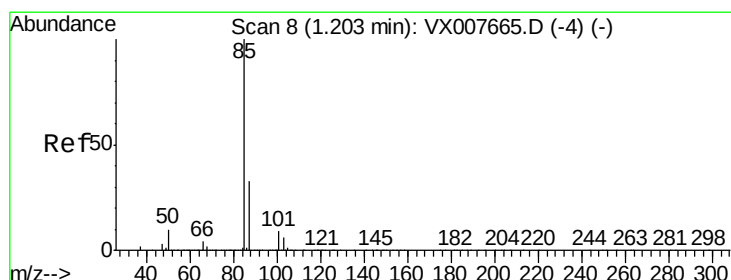
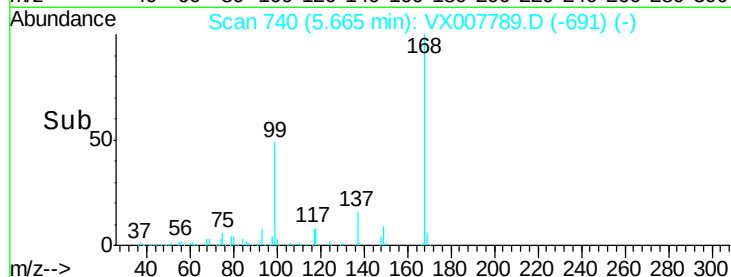
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.729 ug/l

RT: 1.20 min Scan# 8

Delta R.T. -0.00 min

Lab File: VX007789.D

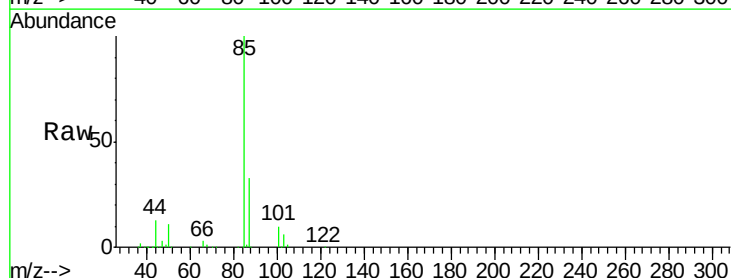
Acq: 01 Mar 2019 15:00

Tgt Ion: 85 Resp: 48393

Ion Ratio Lower Upper

85 100

87 33.1 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

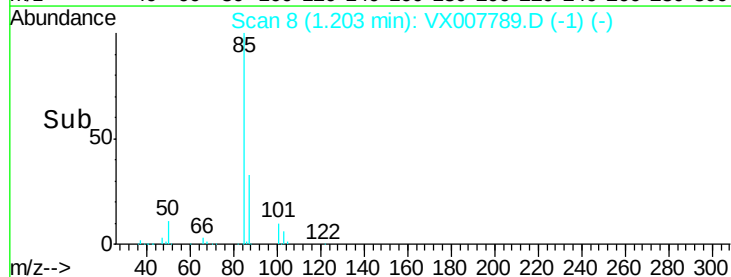
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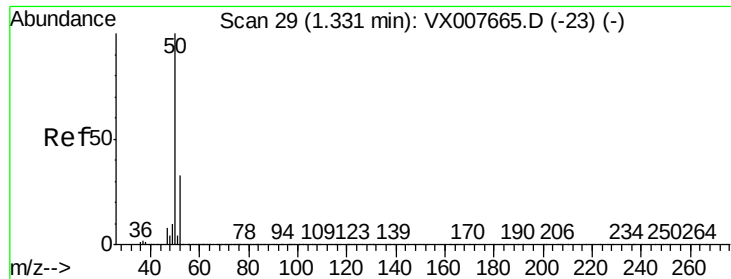
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10000

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Time-->





#3

Chloromethane

Concen: 18.710 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007789.D

Acq: 01 Mar 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

VX0301MBSD01

Tot Ion: 50 Resp: 56594

Ion Ratio Lower Upper

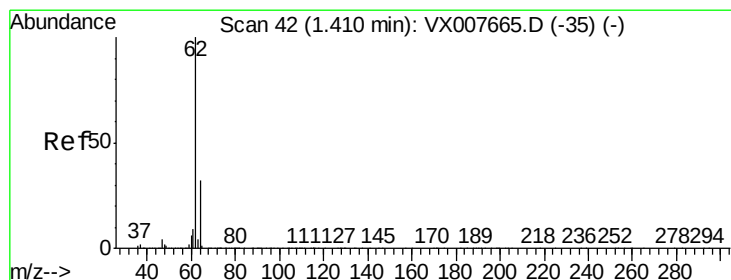
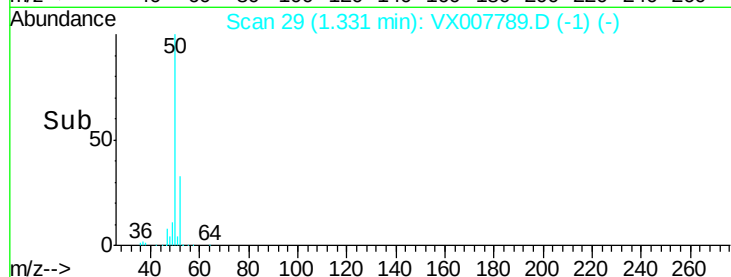
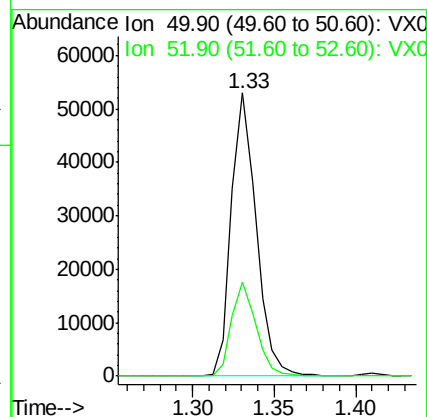
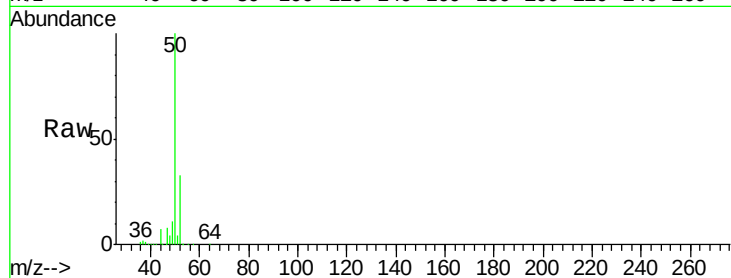
50 100

52 33.3 26.1 39.1

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.093 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007789.D

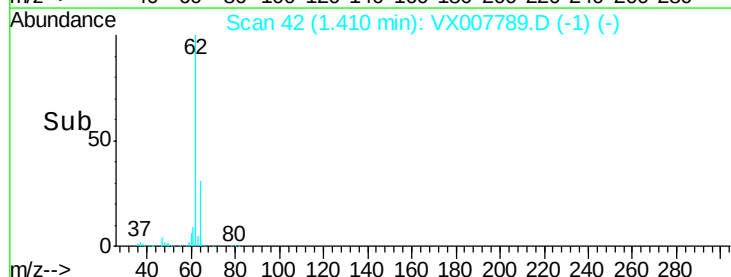
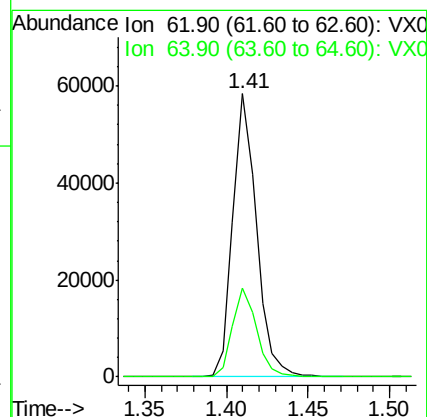
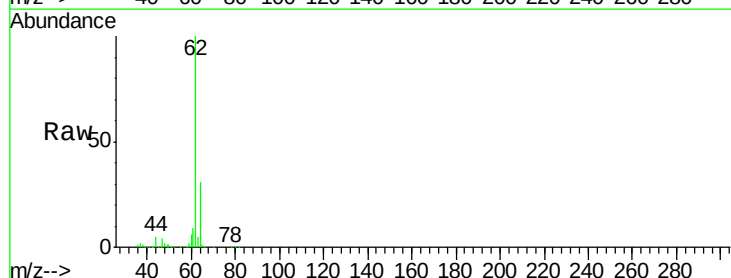
Acq: 01 Mar 2019 15:00

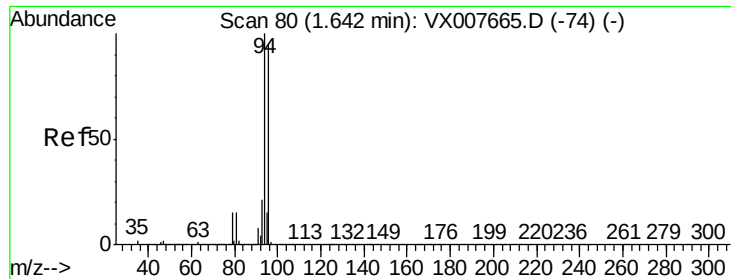
Tgt Ion: 62 Resp: 59252

Ion Ratio Lower Upper

62 100

64 31.3 25.4 38.0





#5

Bromomethane

Concen: 16.618 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007789.D

Acq: 01 Mar 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

VX0301MBSD01

Tot Ion: 94 Resp: 34513

Ion Ratio Lower Upper

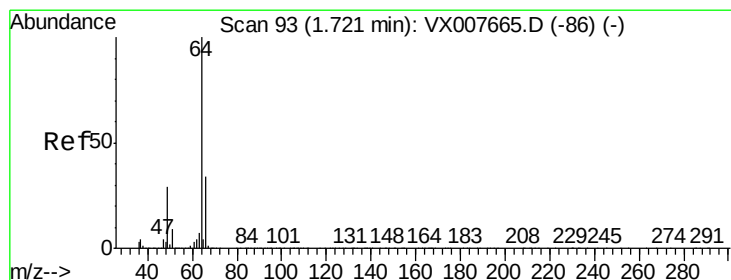
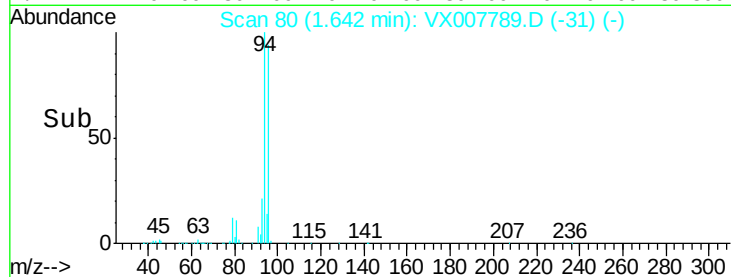
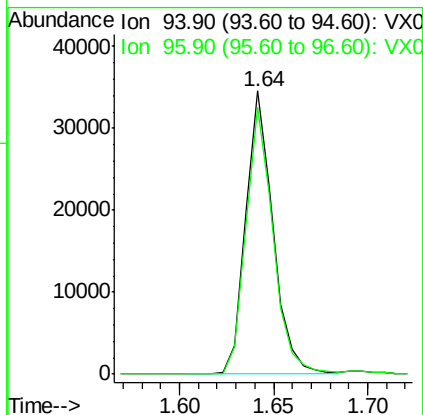
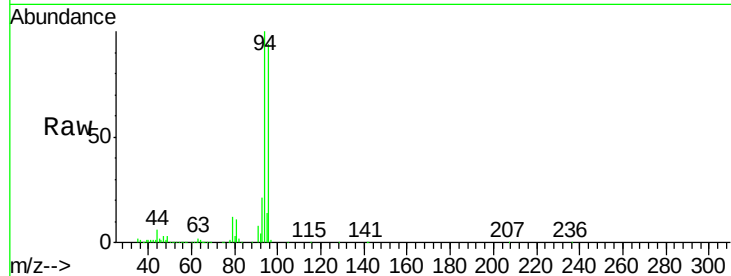
94 100

96 94.4 73.9 110.9

Manual Integrations
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#6

Chloroethane

Concen: 21.620 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX007789.D

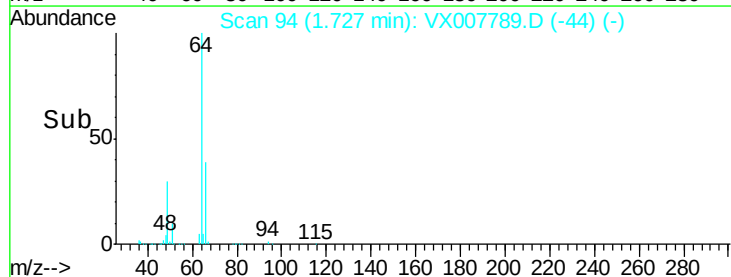
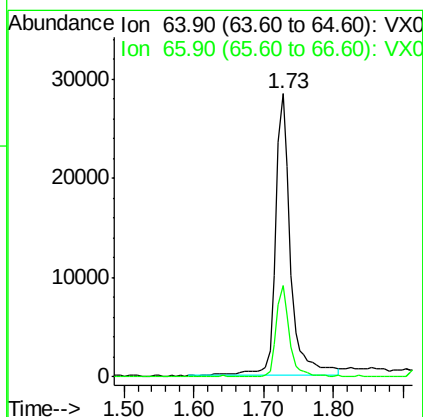
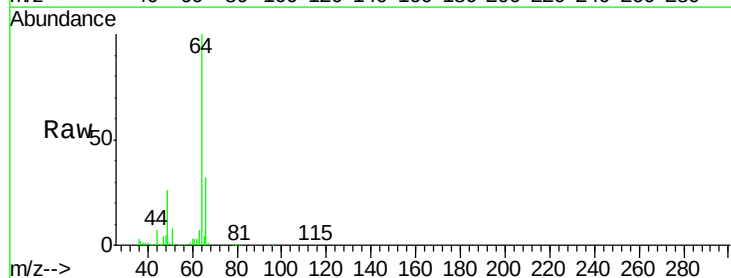
Acq: 01 Mar 2019 15:00

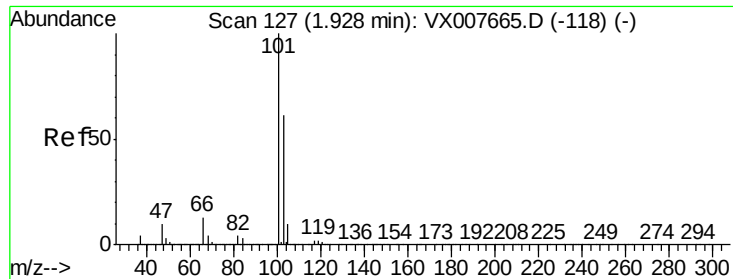
Tgt Ion: 64 Resp: 42866

Ion Ratio Lower Upper

64 100

66 32.3 25.5 38.3





#7

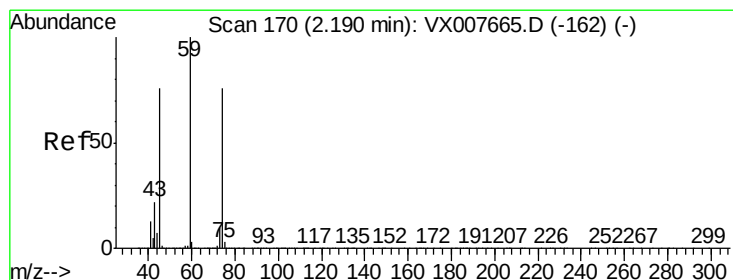
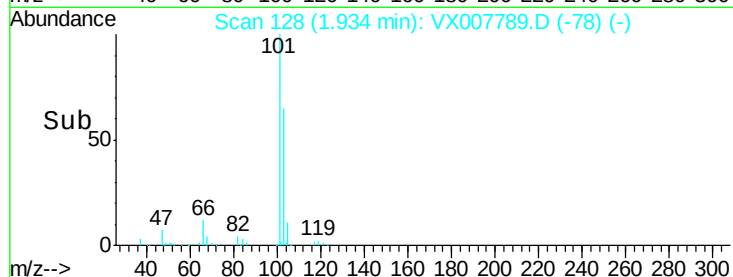
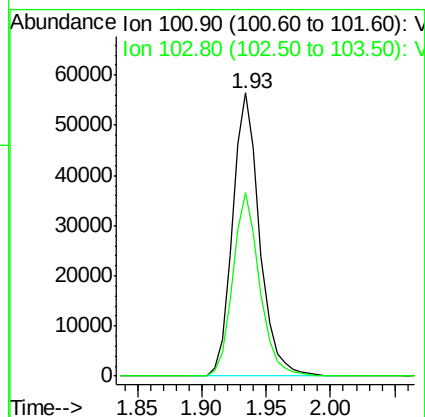
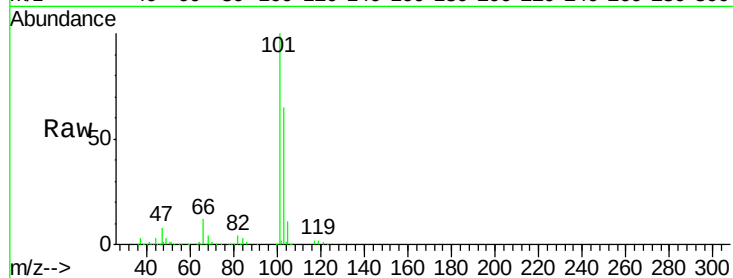
Trichlorofluoromethane
Concen: 17.394 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX007789.D
Acq: 01 Mar 2019 15:00

Instrument :
MSVOA_X
ClientSampleId :
VX0301MBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.6	79.0

Manual Integrations
APPROVED

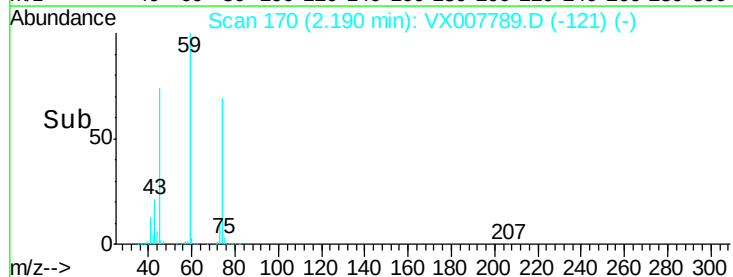
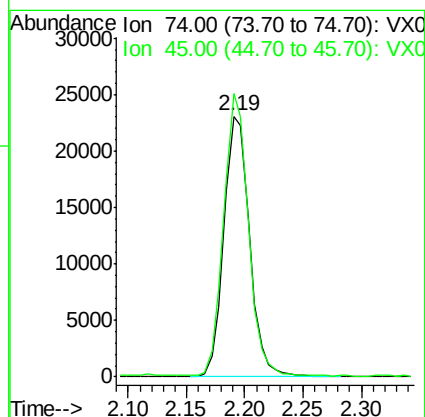
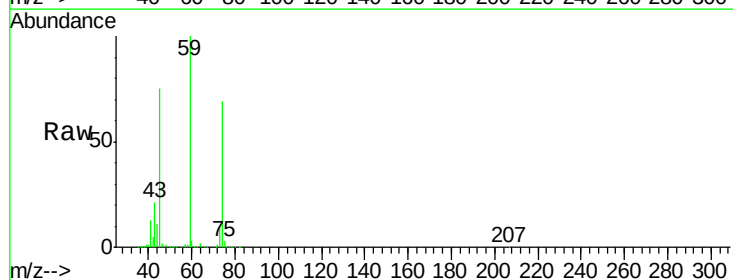
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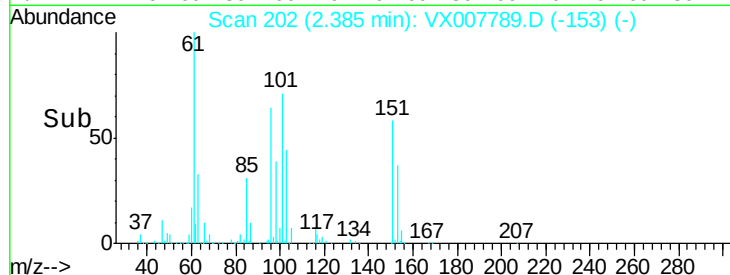
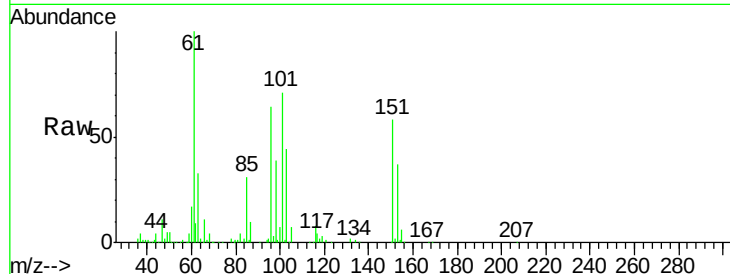
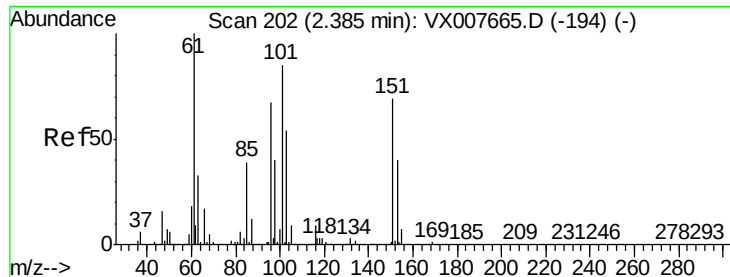


#8

Diethyl Ether
Concen: 18.055 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007789.D
Acq: 01 Mar 2019 15:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.2	45.7	137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.135 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX007789.D

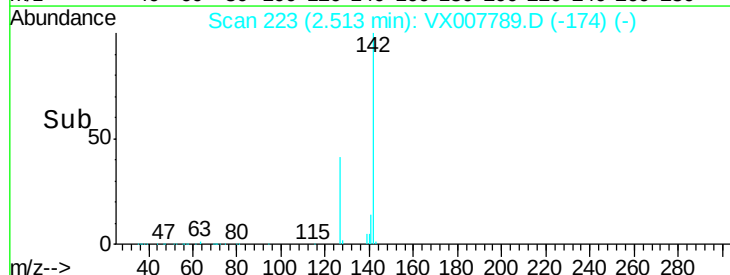
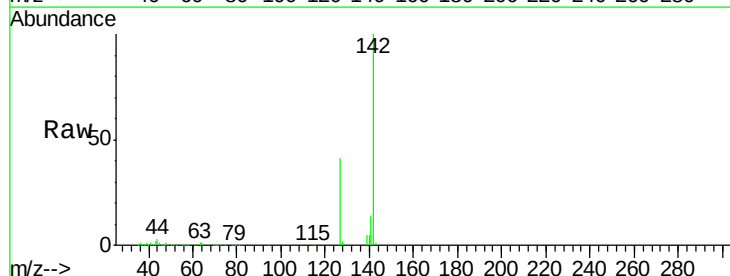
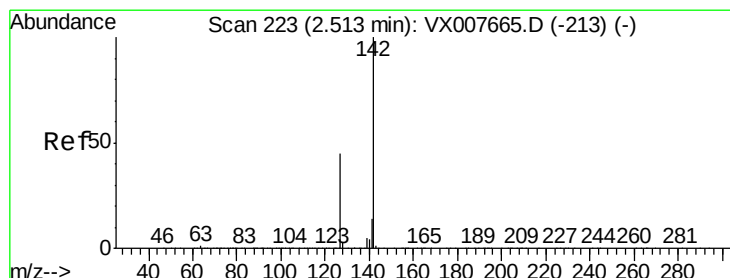
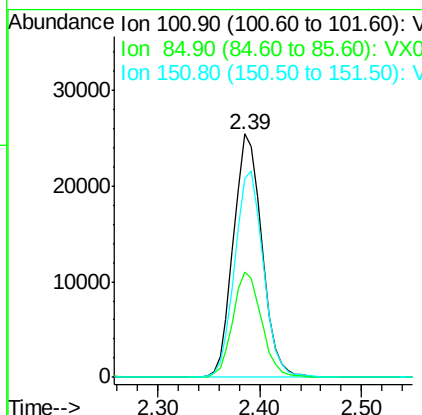
Acq: 01 Mar 2019 15:00

Instrument :
MSVOA_X
ClientSampleId :
VX0301MBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.4	34.1	51.1
151	85.2	69.9	104.9

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#10

Methyl Iodide

Concen: 19.350 ug/l

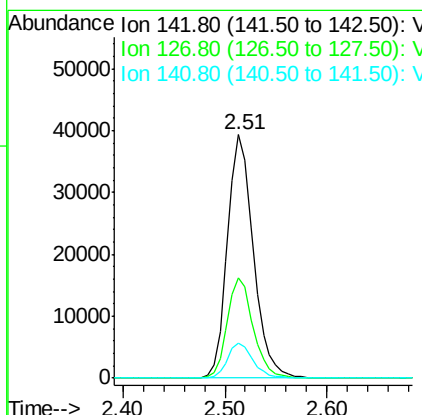
RT: 2.51 min Scan# 223

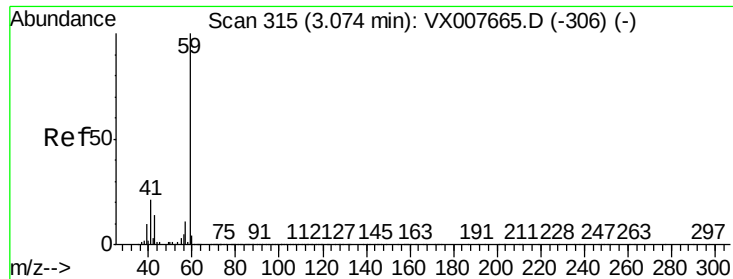
Delta R.T. -0.00 min

Lab File: VX007789.D

Acq: 01 Mar 2019 15:00

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.1	33.7	50.5
141	14.3	11.3	16.9





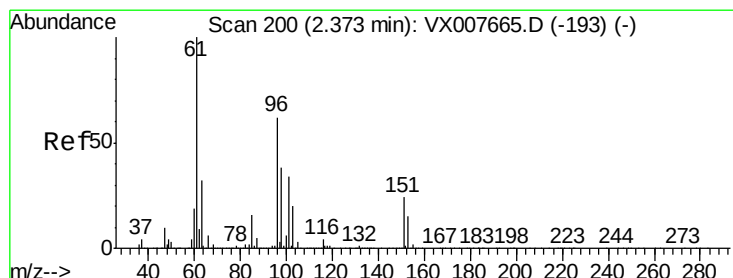
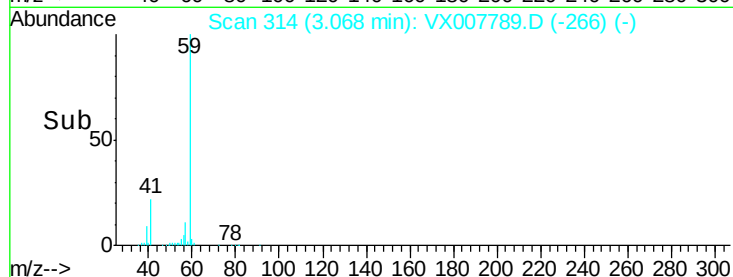
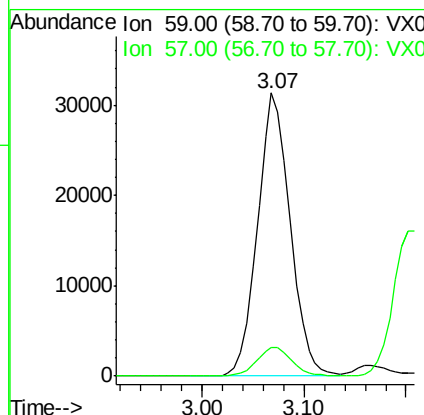
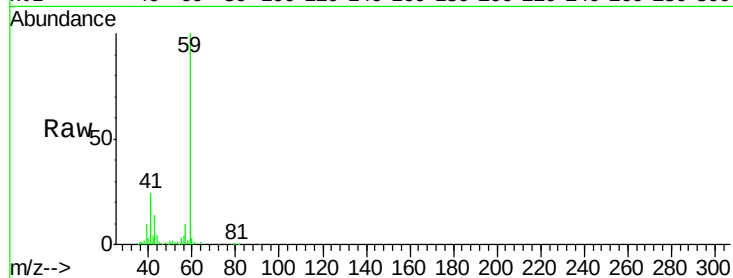
#11
Tert butyl alcohol
Concen: 100.214 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX007789.D
Acq: 01 Mar 2019 15:00

Instrument :
MSVOA_X
ClientSampleId :
VX0301MBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.1	12.1

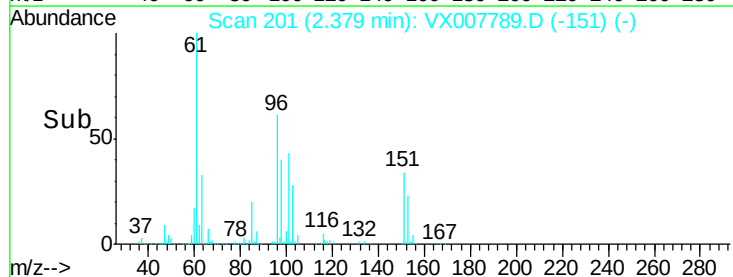
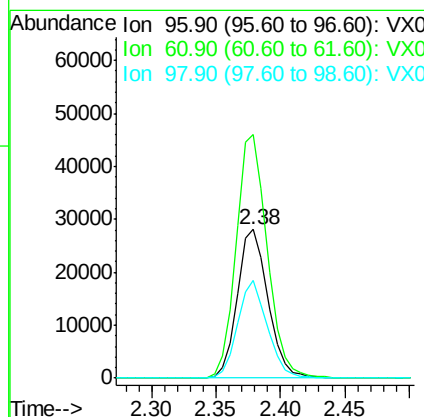
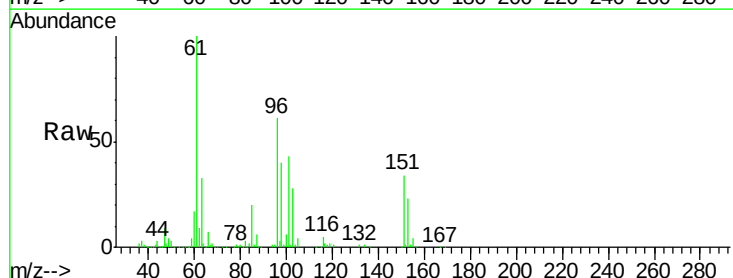
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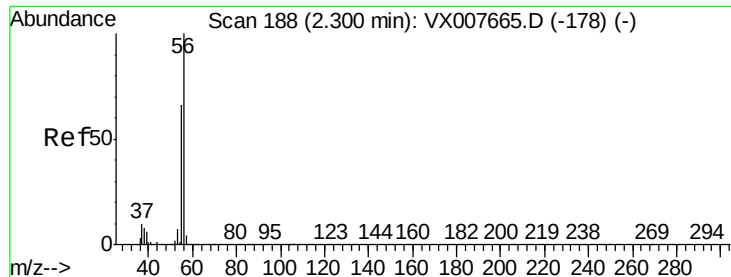
MMDadoda
3/4/2019 1:36:17 PM



#12
1,1-Dichloroethene
Concen: 17.978 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX007789.D
Acq: 01 Mar 2019 15:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.0	123.0	184.4
98	66.1	50.9	76.3





#13

Acrolein

Concen: 116.474 ug/l

RT: 2.30 min Scan# 188

Delta R.T. -0.00 min

Lab File: VX007789.D

Acq: 01 Mar 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

VX0301MBSD01

Tot Ion: 56 Resp: 72077

Ion Ratio Lower Upper

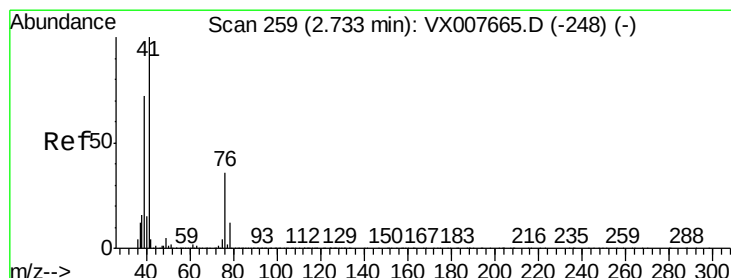
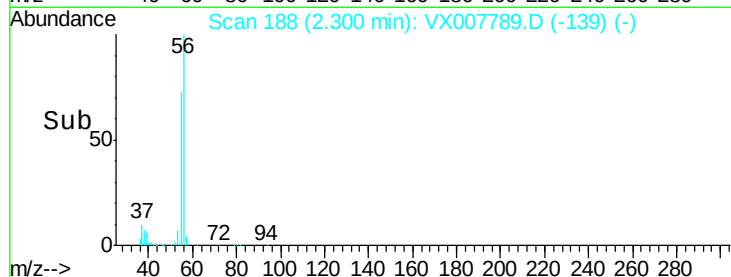
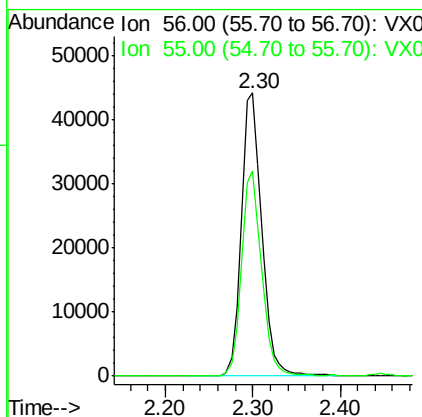
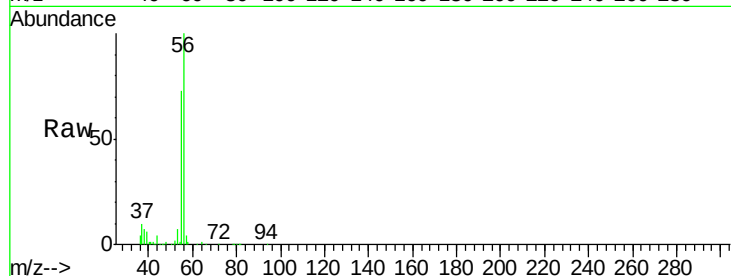
56 100

55 71.9 56.9 85.3

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#14

Allyl chloride

Concen: 20.437 ug/l

RT: 2.73 min Scan# 259

Delta R.T. -0.00 min

Lab File: VX007789.D

Acq: 01 Mar 2019 15:00

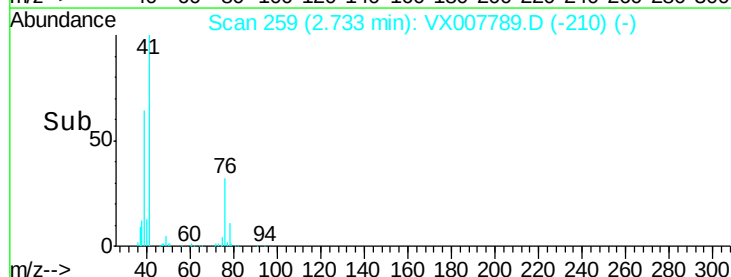
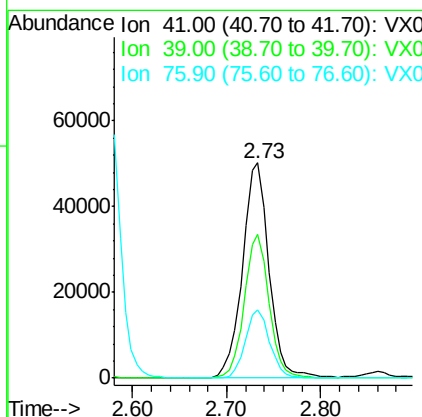
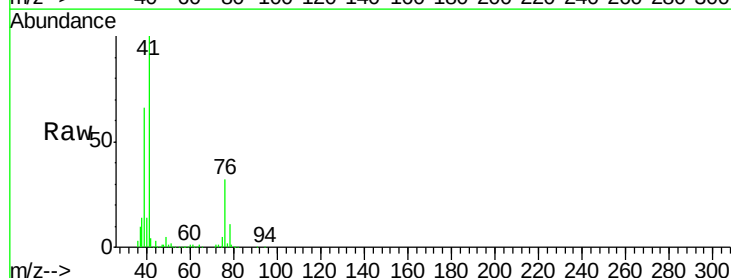
Tgt Ion: 41 Resp: 97943

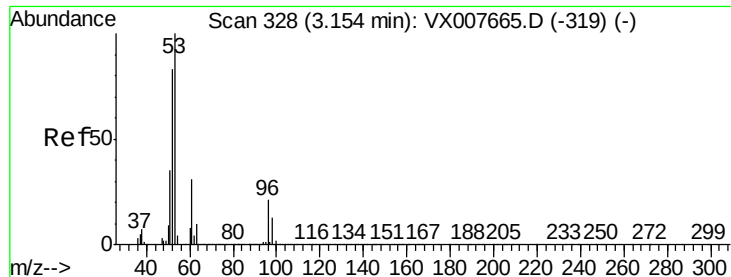
Ion Ratio Lower Upper

41 100

39 61.6 54.1 81.1

76 29.3 27.8 41.8





#15

Acrylonitrile

Concen: 103.437 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX007789.D

Acq: 01 Mar 2019 15:00

Instrument :

MSVOA_X

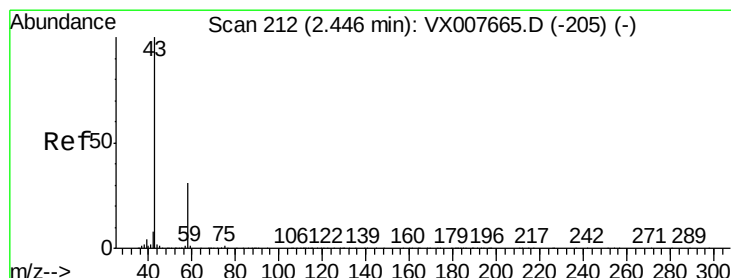
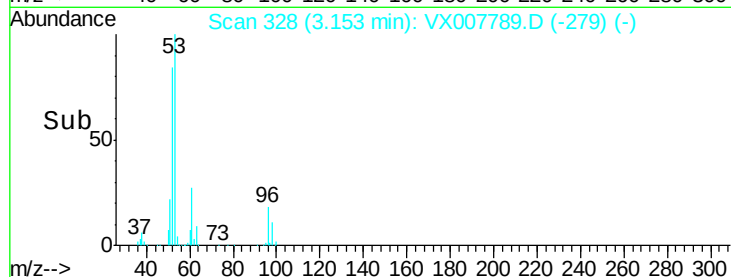
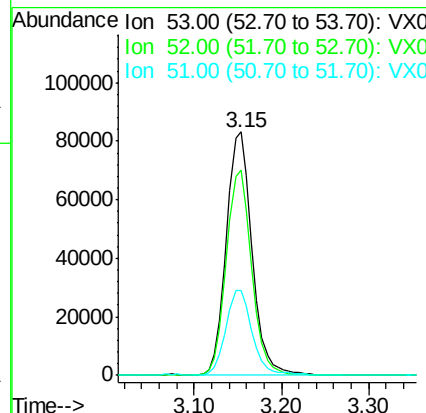
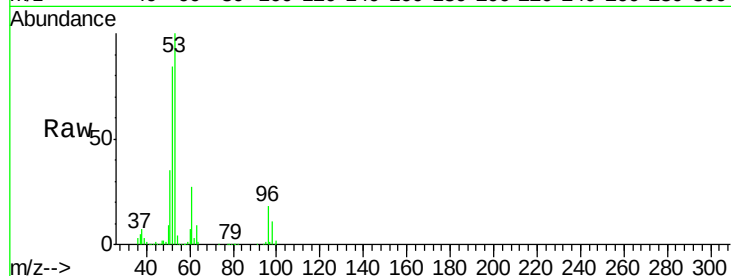
ClientSampleId :

VX0301MBS01

Tot Ion:	53	Resp:	169516
Ion Ratio		Lower	Upper
53	100		
52	83.4	66.4	99.6
51	36.0	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 97.259 ug/l

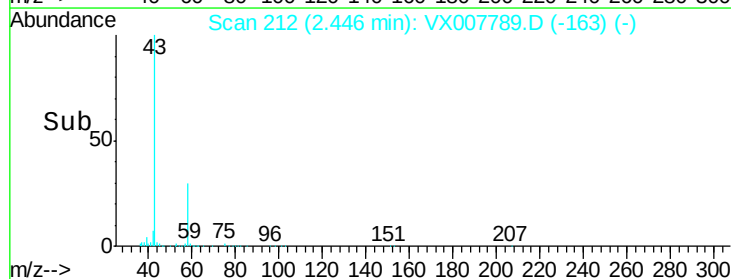
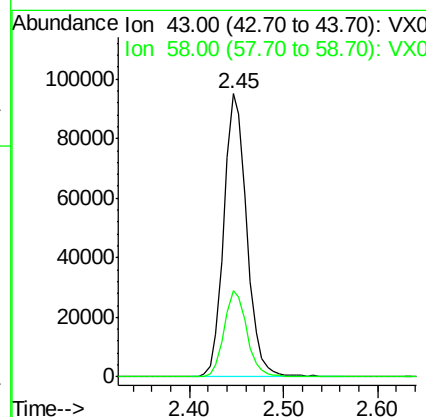
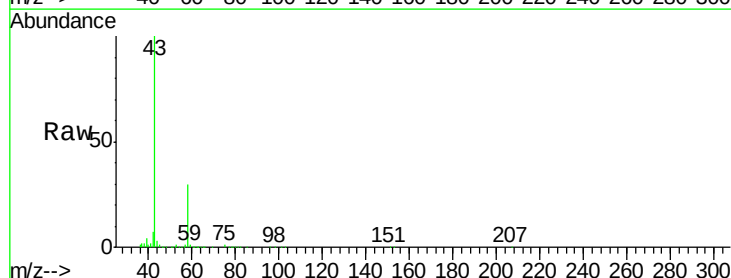
RT: 2.45 min Scan# 212

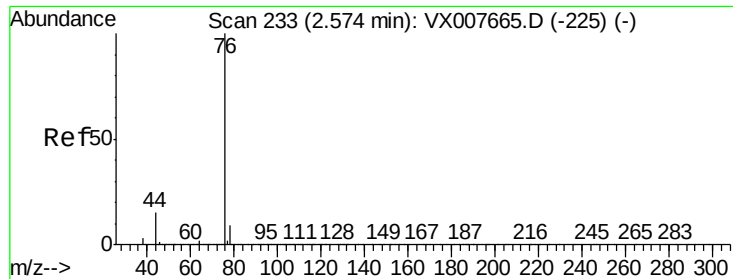
Delta R.T. -0.00 min

Lab File: VX007789.D

Acq: 01 Mar 2019 15:00

Tgt Ion:	43	Resp:	158748
Ion Ratio		Lower	Upper
43	100		
58	30.3	24.9	37.3





#17

Carbon Disulfide

Concen: 16.934 ug/l

RT: 2.57 min Scan# 233

Delta R.T. -0.00 min

Lab File: VX007789.D

Acq: 01 Mar 2019 15:00

Instrument :

MSVOA_X

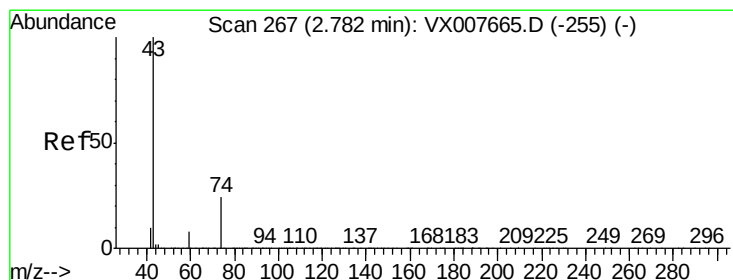
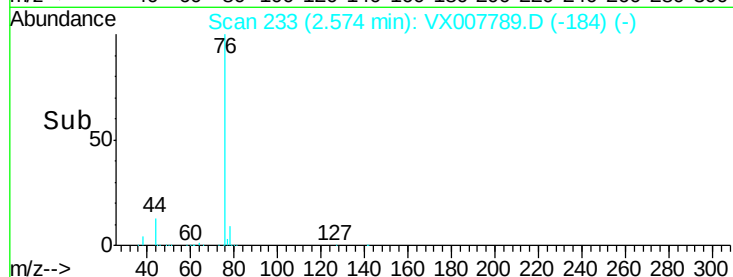
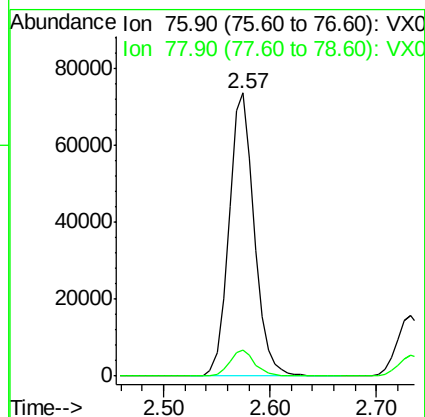
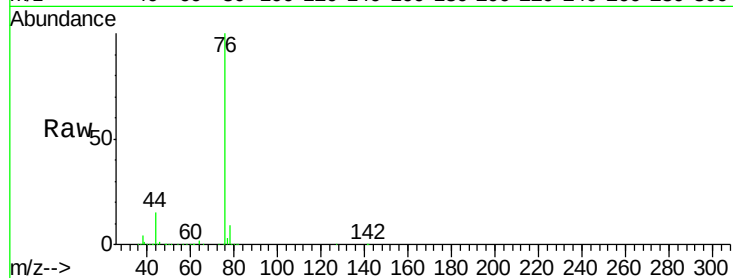
ClientSampleId :

VX0301MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

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#18

Methyl Acetate

Concen: 22.218 ug/l

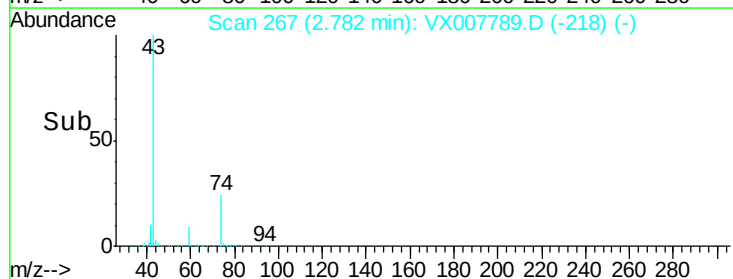
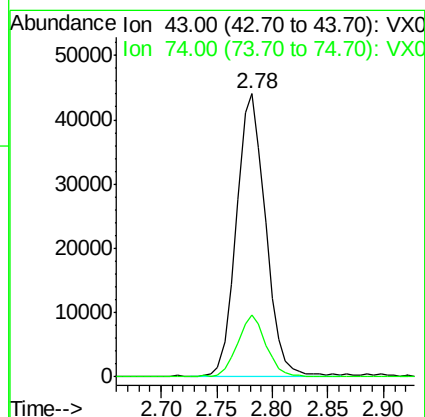
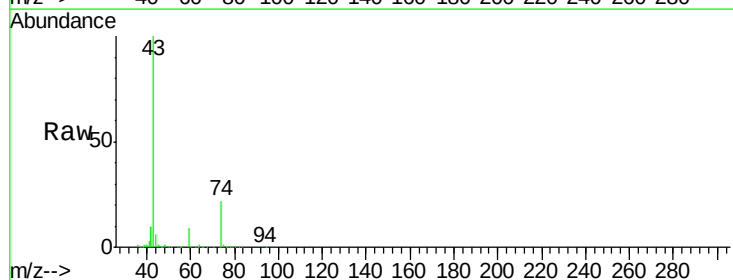
RT: 2.78 min Scan# 267

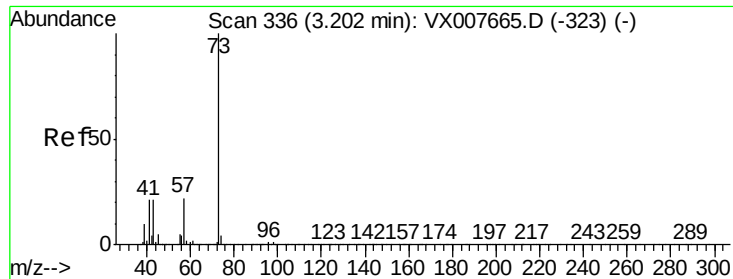
Delta R.T. -0.00 min

Lab File: VX007789.D

Acq: 01 Mar 2019 15:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.0	19.4	29.2





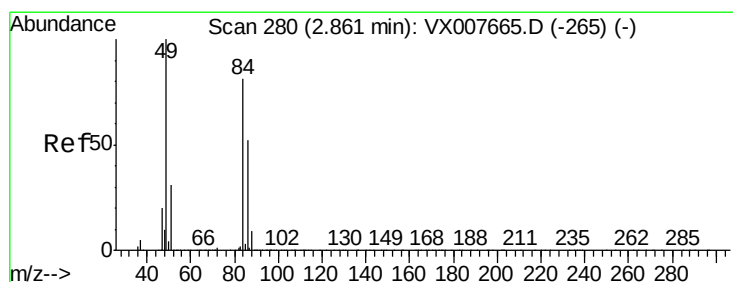
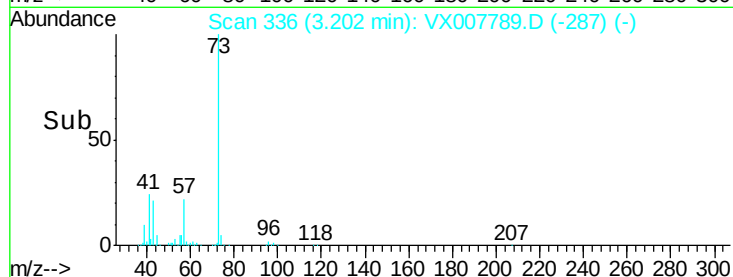
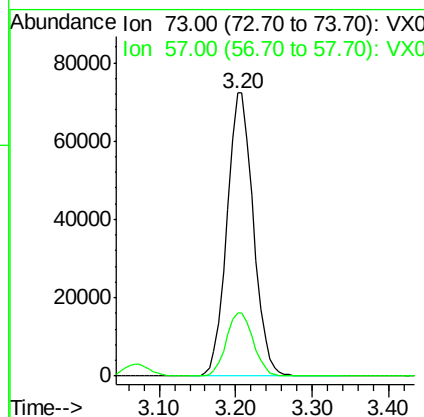
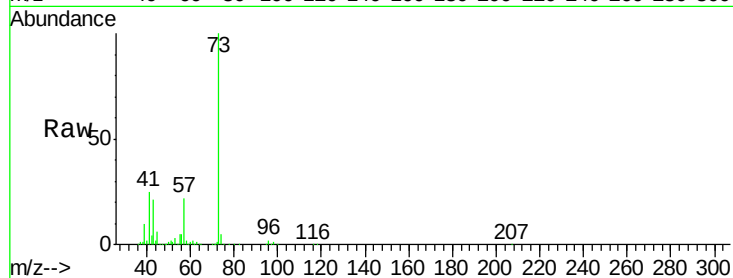
#19
Methyl tert-butyl Ether
Concen: 19.032 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX007789.D
Acq: 01 Mar 2019 15:00

Instrument :
MSVOA_X
ClientSampleId :
VX0301MBSD01

Tot Ion: 73 Resp: 171777
Ion Ratio Lower Upper
73 100
57 22.2 17.8 26.8

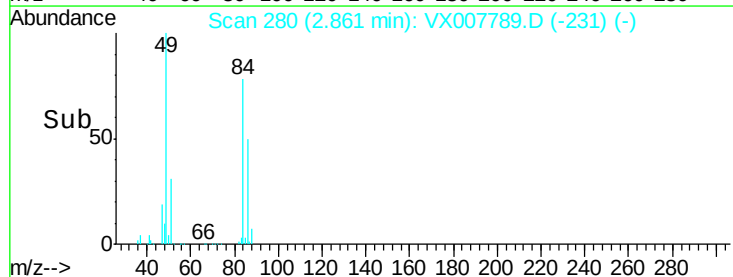
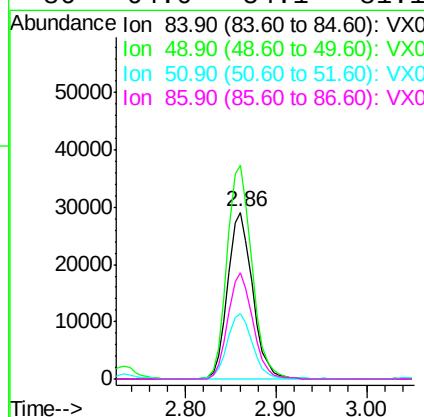
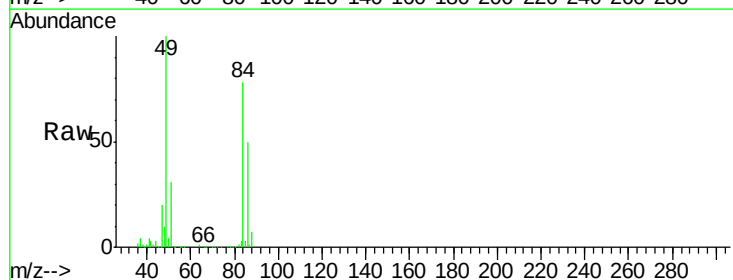
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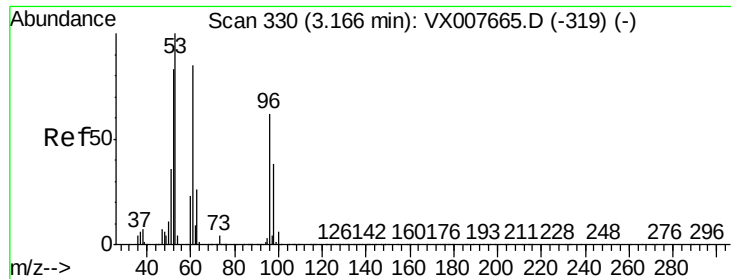
MMDadoda
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#20
Methylene Chloride
Concen: 18.351 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX007789.D
Acq: 01 Mar 2019 15:00

Tgt Ion: 84 Resp: 55308
Ion Ratio Lower Upper
84 100
49 128.3 94.8 142.2
51 39.2 29.8 44.8
86 64.0 54.1 81.1





#21

trans-1,2-Dichloroethene

Concen: 17.998 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007789.D

Acq: 01 Mar 2019 15:00

Instrument :

MSVOA_X

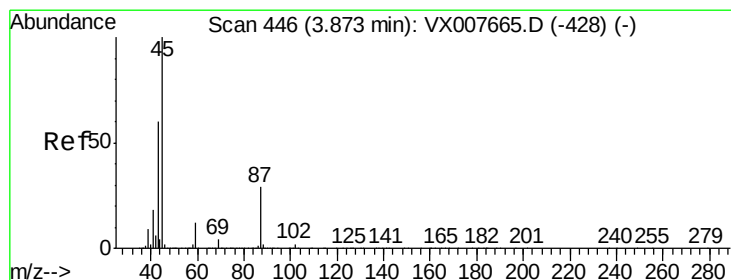
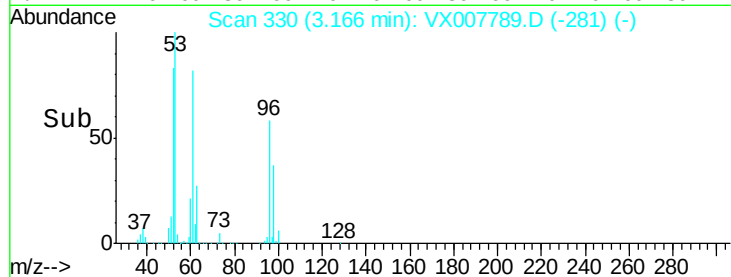
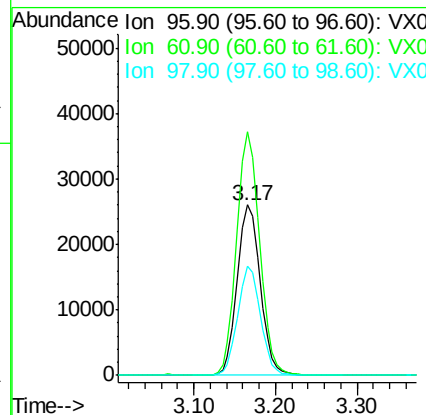
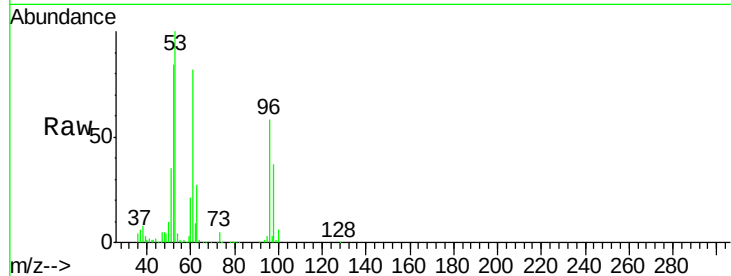
ClientSampleId :

VX0301MBS01

Tot Ion:	96	Resp:	50715
Ion	Ratio	Lower	Upper
96	100		
61	142.7	104.6	156.8
98	63.8	51.0	76.4

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#22

Diisopropyl ether

Concen: 19.909 ug/l

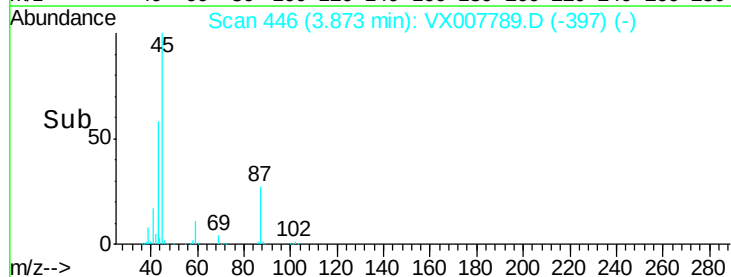
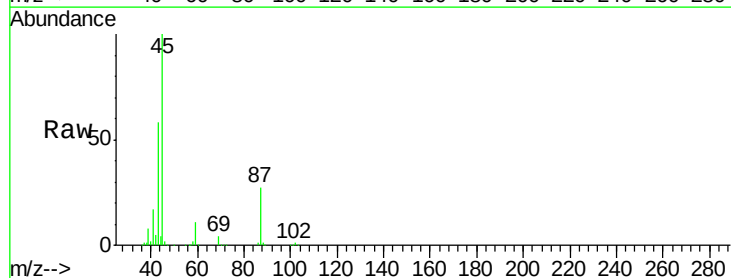
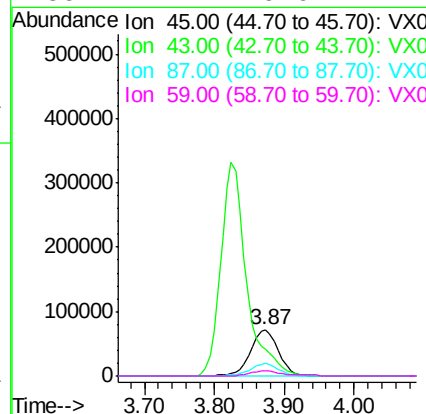
RT: 3.87 min Scan# 446

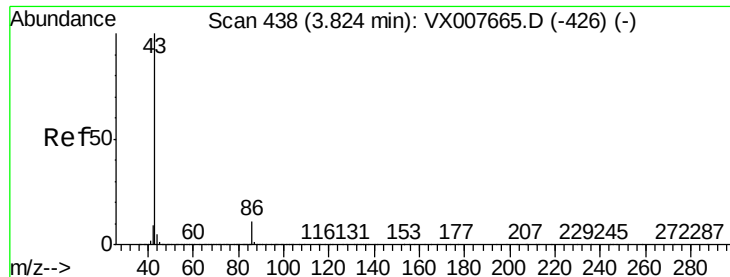
Delta R.T. -0.00 min

Lab File: VX007789.D

Acq: 01 Mar 2019 15:00

Tgt Ion:	45	Resp:	198621
Ion	Ratio	Lower	Upper
45	100		
43	57.8	48.9	73.3
87	27.0	23.9	35.9
59	11.2	9.6	14.4





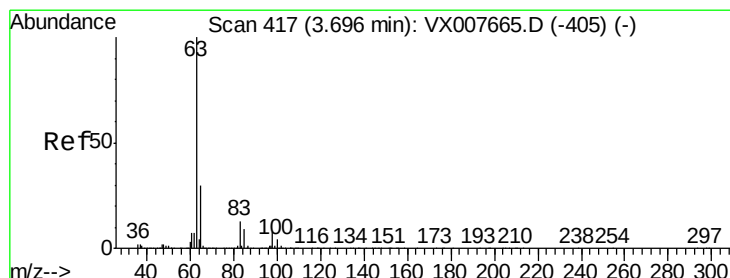
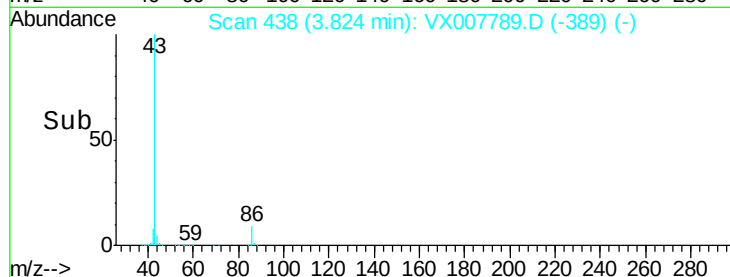
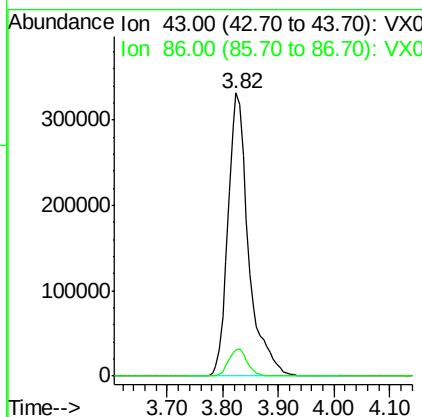
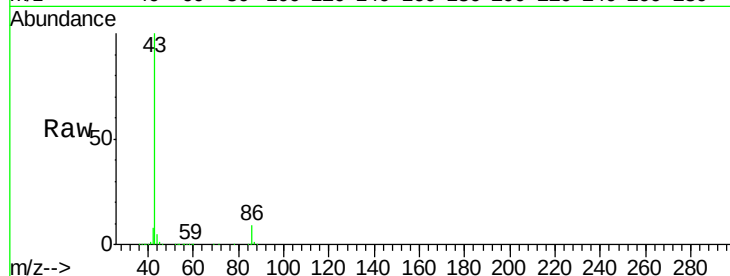
#23
 Vinyl Acetate
 Concen: 97.083 ug/l
 RT: 3.82 min Scan# 438
 Delta R.T. -0.00 min
 Lab File: VX007789.D
 Acq: 01 Mar 2019 15:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0301MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
86	9.4	8.7	13.1

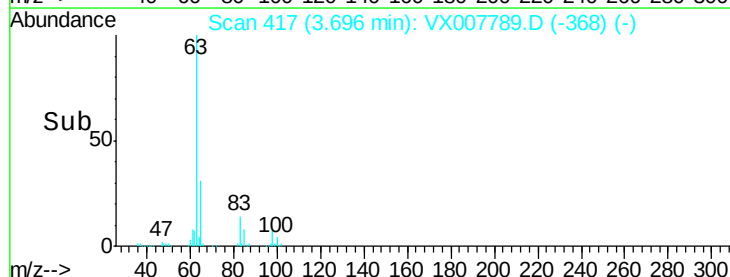
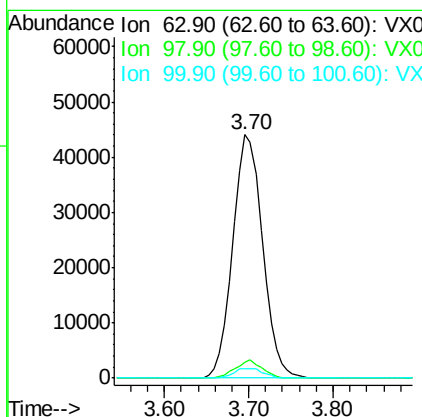
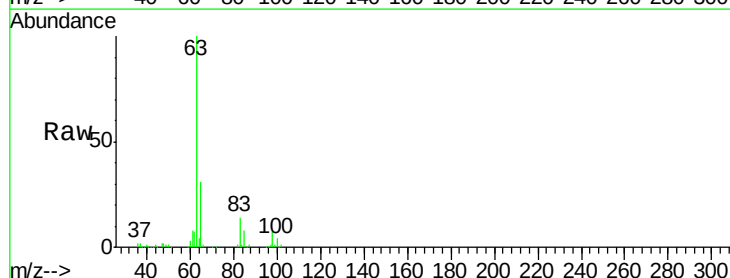
Manual Integrations
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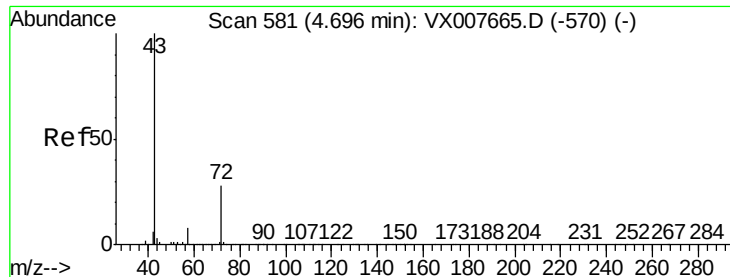
MMDadoda
 3/4/2019 1:36:17 PM



#24
 1,1-Dichloroethane
 Concen: 19.439 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. -0.00 min
 Lab File: VX007789.D
 Acq: 01 Mar 2019 15:00

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.6	10.8
100	3.9	2.5	7.4





#25

2-Butanone

Concen: 102.864 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.00 min

Lab File: VX007789.D

Acq: 01 Mar 2019 15:00

Tot Ion: 43 Resp: 255750

Ion Ratio Lower Upper

43 100

72 24.3 22.2 33.2

Instrument :

MSVOA_X

ClientSampleId :

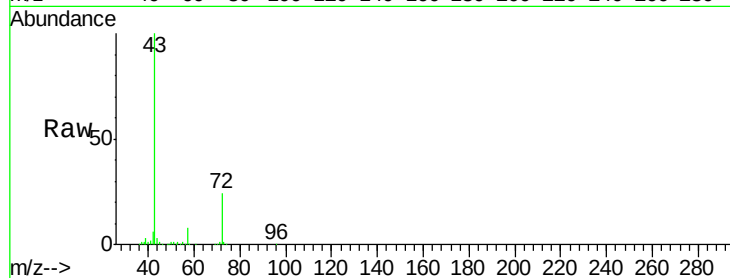
VX0301MBSD01

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

100000

80000

60000

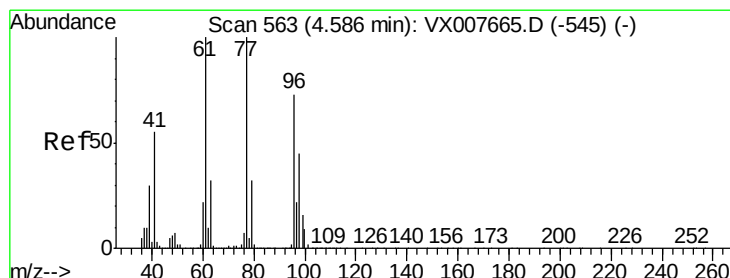
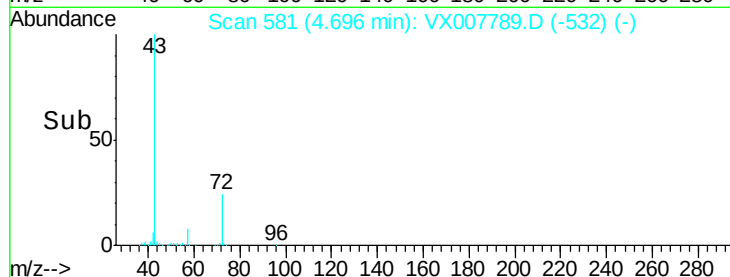
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 16.983 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX007789.D

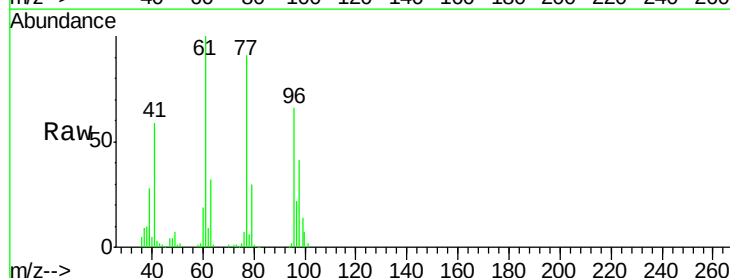
Acq: 01 Mar 2019 15:00

Tgt Ion: 77 Resp: 73503

Ion Ratio Lower Upper

77 100

97 24.4 12.1 36.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

25000

20000

15000

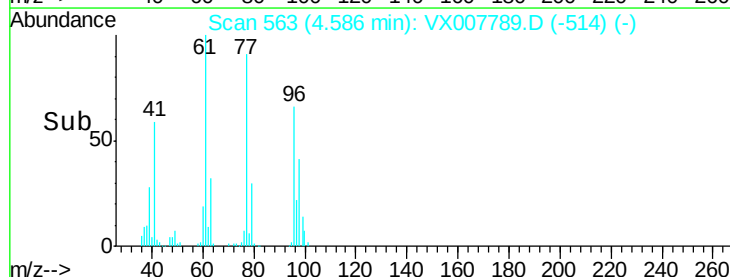
10000

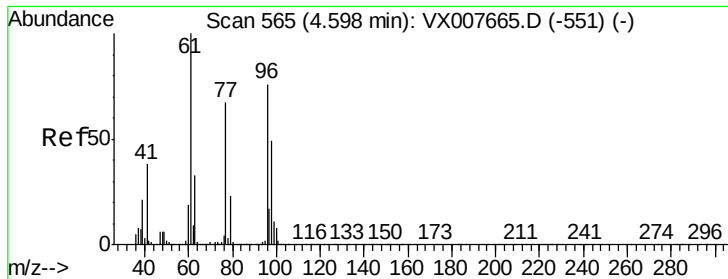
5000

0

4.50 4.60 4.70

Time-->





#27

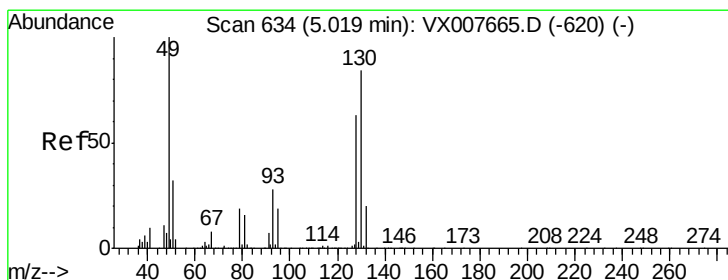
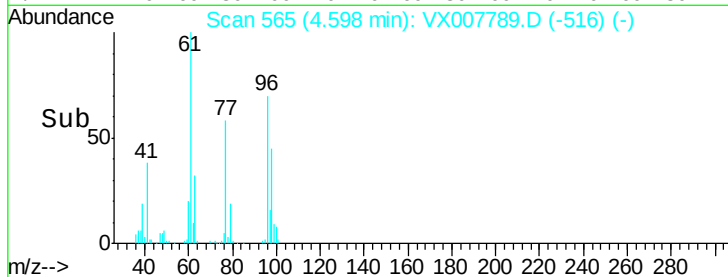
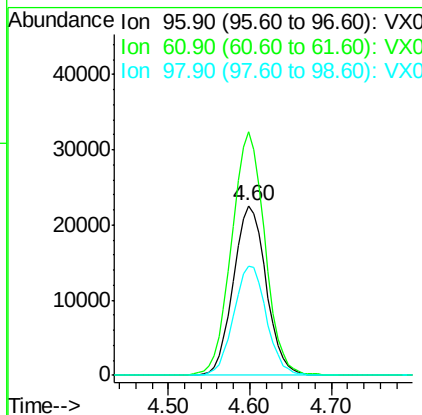
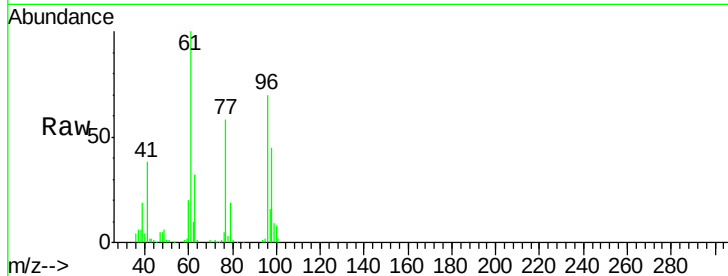
cis-1,2-Dichloroethene
Concen: 17.518 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX007789.D
Acq: 01 Mar 2019 15:00

Instrument :
MSVOA_X
ClientSampleId :
VX0301MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.7	0.0	265.6
98	64.4	0.0	131.6

Manual Integrations
APPROVED

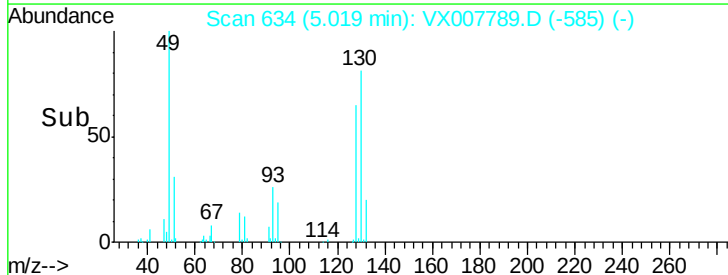
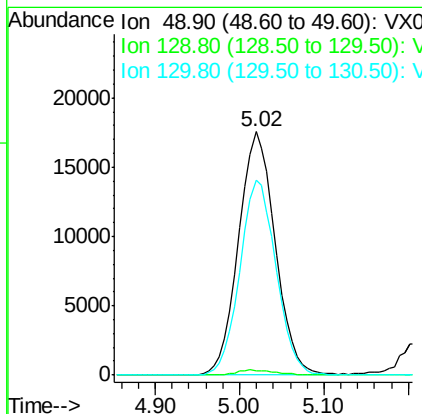
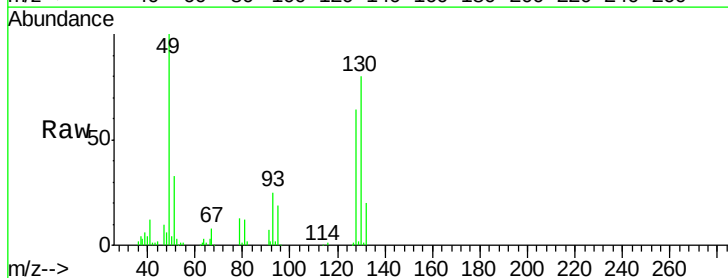
MMDadoda
3/4/2019 1:36:17 PM

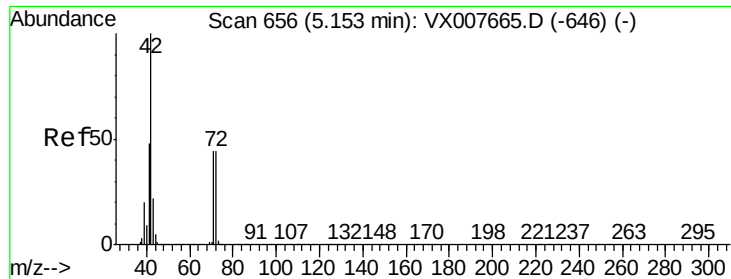


#28

Bromochloromethane
Concen: 19.580 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX007789.D
Acq: 01 Mar 2019 15:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	5.6
130	79.1	75.6	113.4





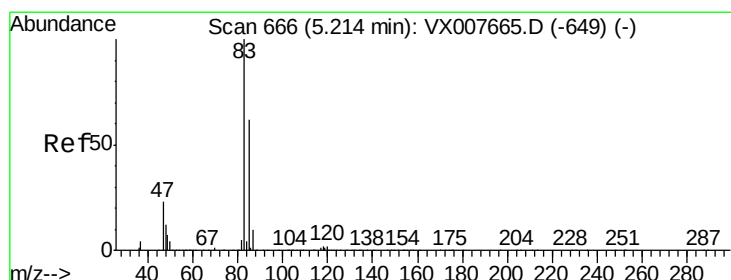
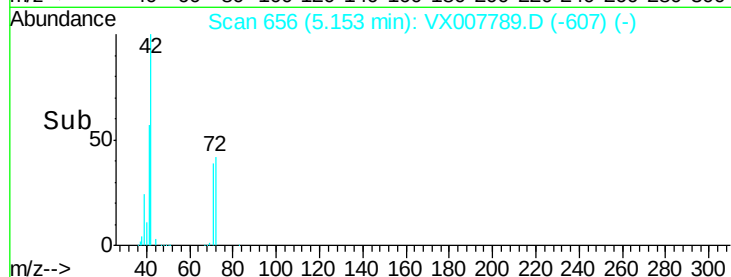
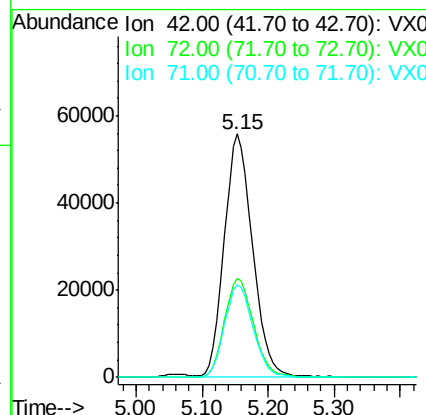
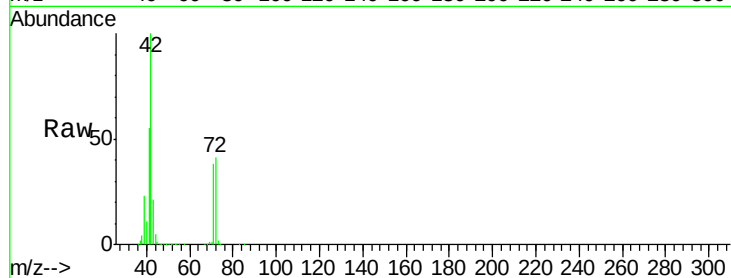
#29
Tetrahydrofuran
Concen: 100.669 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX007789.D
Acq: 01 Mar 2019 15:00

Instrument :
MSVOA_X
ClientSampleId :
VX0301MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	37.6	56.4
71	38.6	34.6	51.8

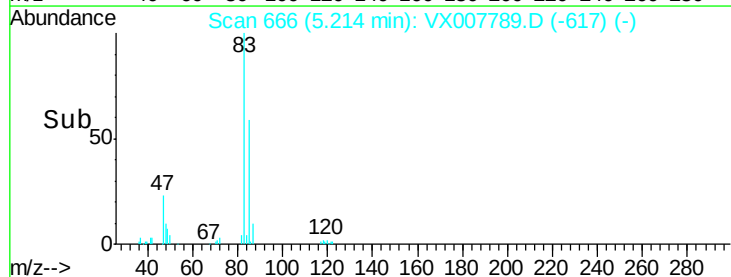
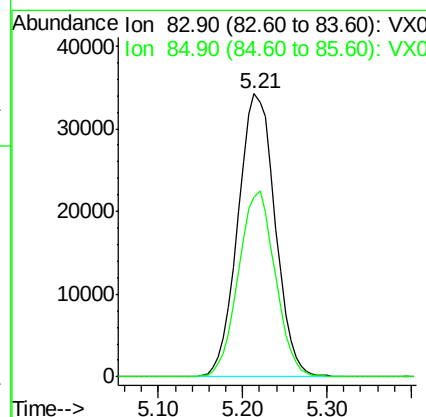
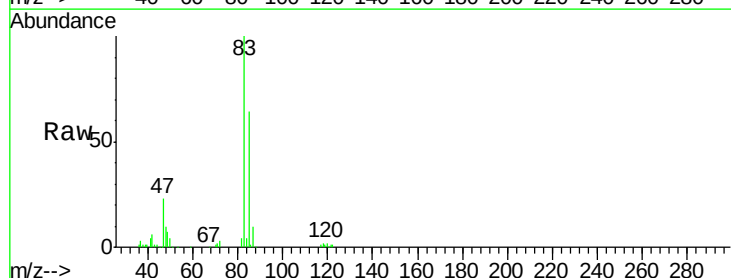
Manual Integrations
APPROVED

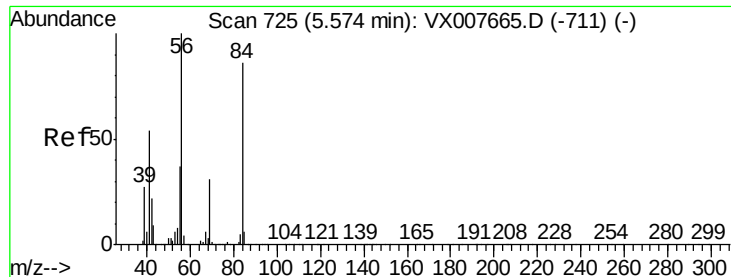
MMDadoda
3/4/2019 1:36:17 PM



#30
Chloroform
Concen: 17.671 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX007789.D
Acq: 01 Mar 2019 15:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.6	77.4





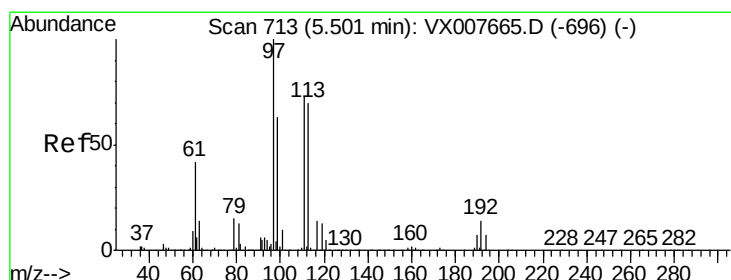
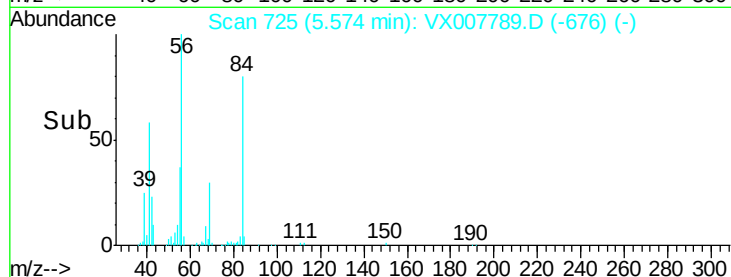
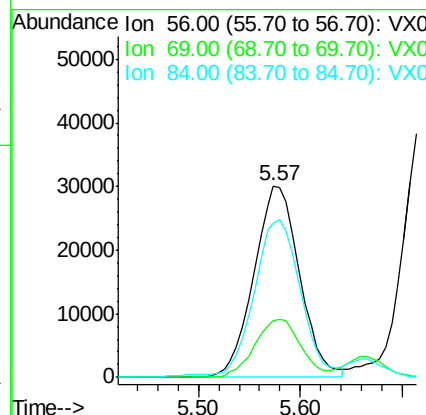
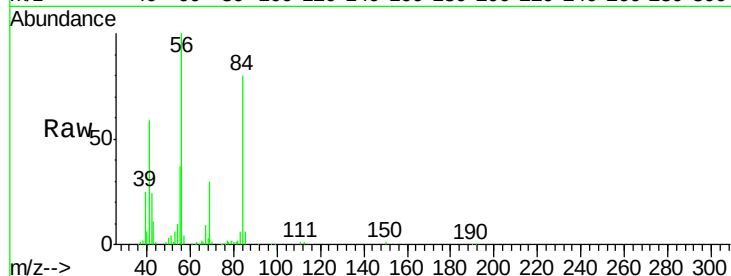
#31
Cyclohexane
Concen: 18.266 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX007789.D
Acq: 01 Mar 2019 15:00

Instrument :
MSVOA_X
ClientSampleId :
VX0301MBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.0	34.6
84	79.0	69.8	104.6

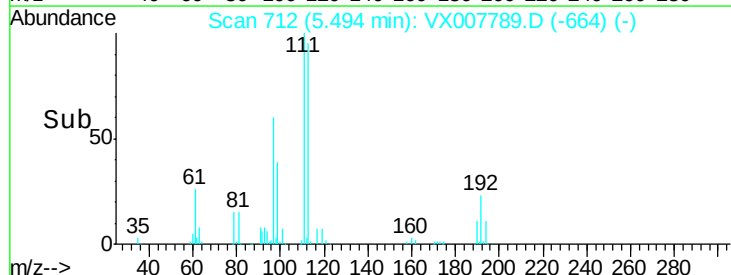
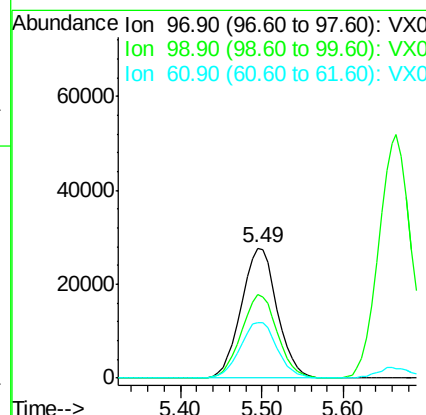
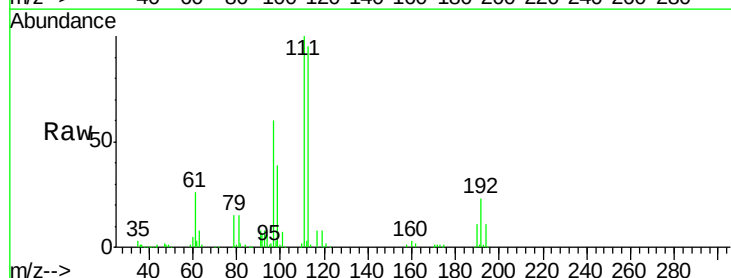
Manual Integrations
APPROVED

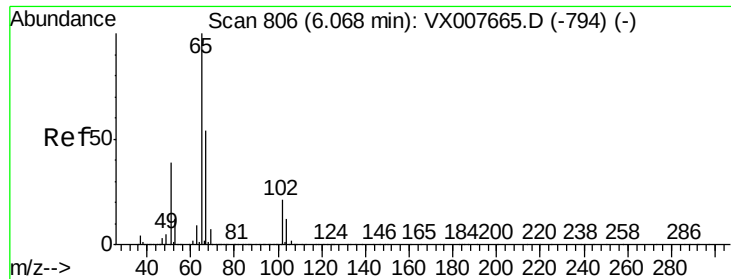
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 17.622 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX007789.D
Acq: 01 Mar 2019 15:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.2	78.2
61	44.1	32.7	49.1





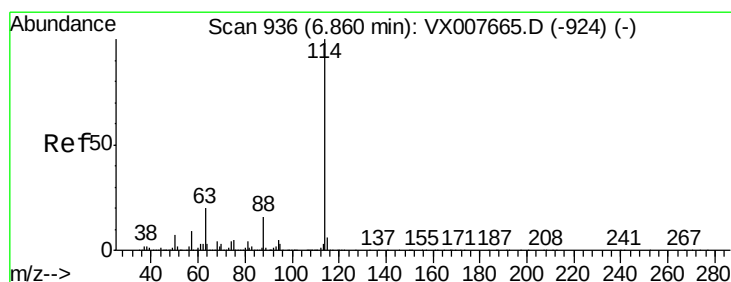
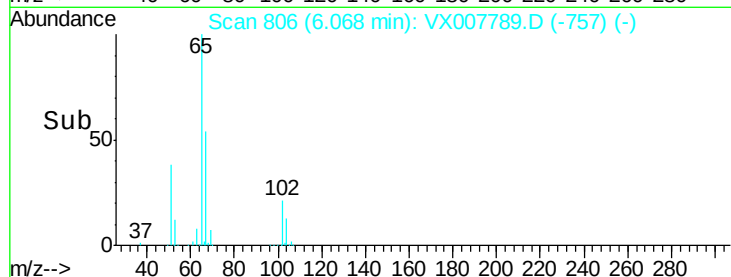
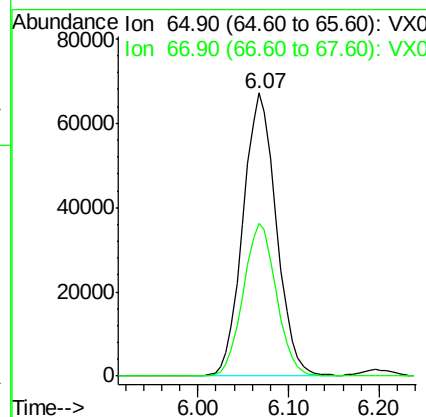
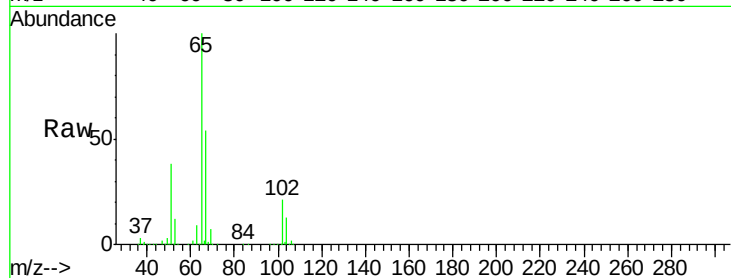
#33
 1,2-Dichloroethane-d4
 Concen: 46.651 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007789.D
 Acq: 01 Mar 2019 15:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0301MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	171227		
67	53.7	0.0	108.8	

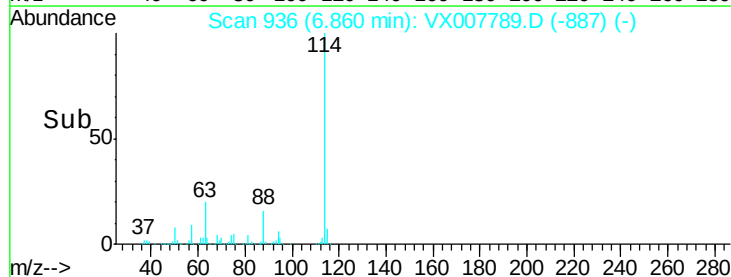
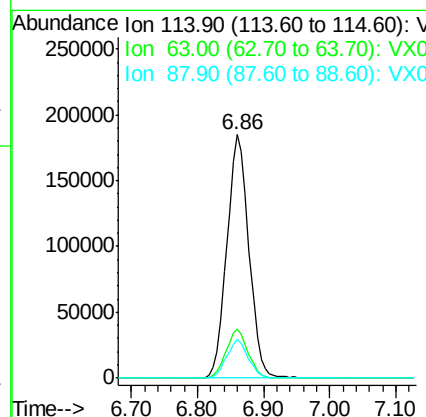
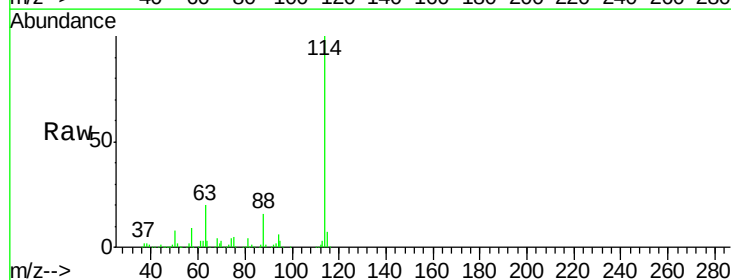
Manual Integrations
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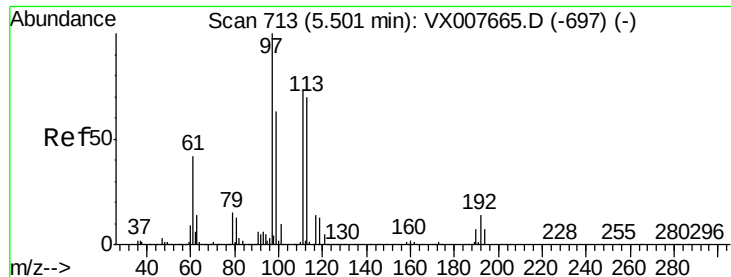
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007789.D
 Acq: 01 Mar 2019 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	426923		
63	20.2	0.0	35.6	
88	16.0	0.0	29.6	





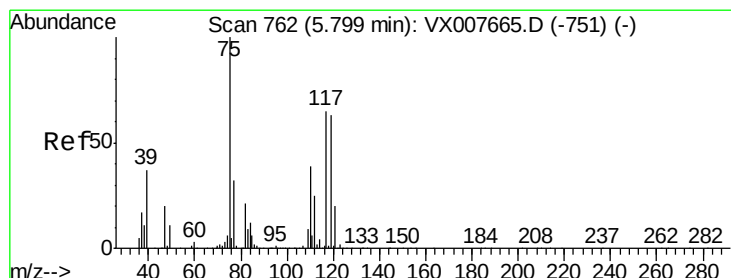
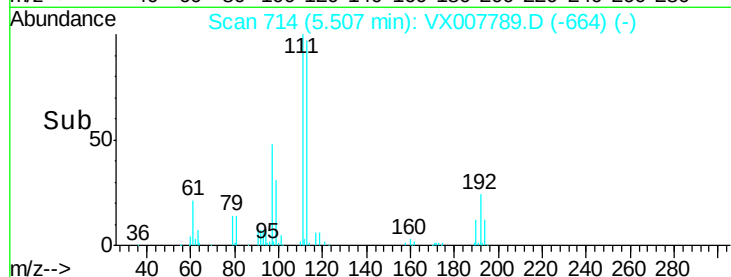
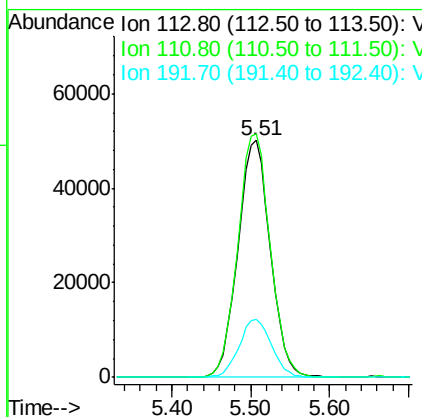
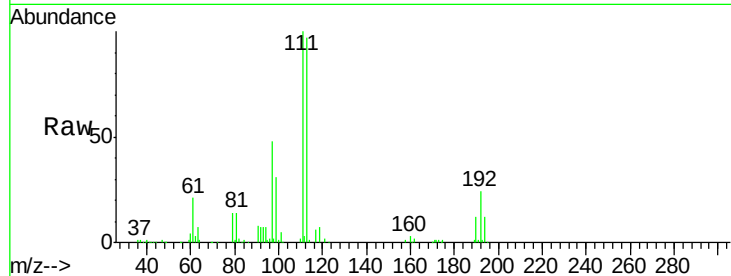
#35
Dibromofluoromethane
Concen: 50.089 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX007789.D
Acq: 01 Mar 2019 15:00

Instrument :
MSVOA_X
ClientSampleId :
VX0301MBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.8	122.8
192	24.6	18.5	27.7

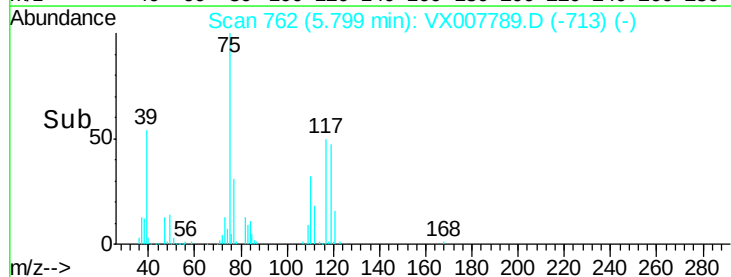
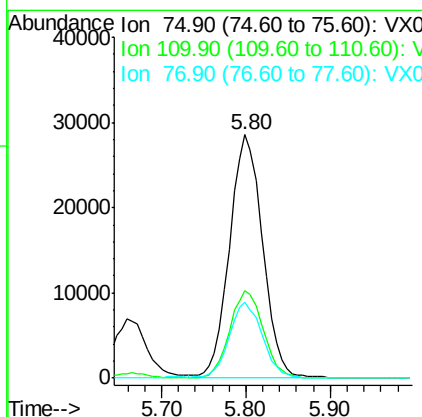
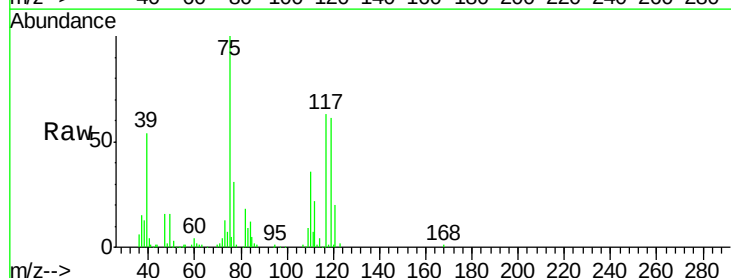
Manual Integrations
APPROVED

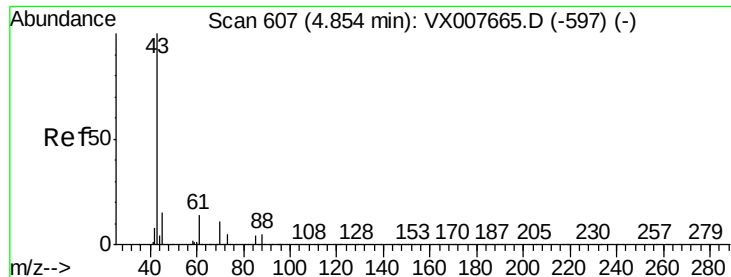
MMDadoda
3/4/2019 1:36:17 PM



#36
1,1-Dichloropropene
Concen: 19.692 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX007789.D
Acq: 01 Mar 2019 15:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	20.0	59.9
77	31.4	24.7	37.1





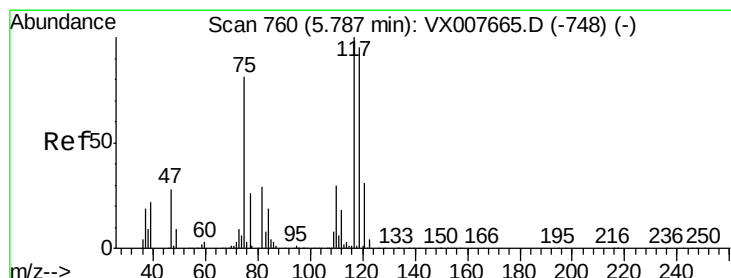
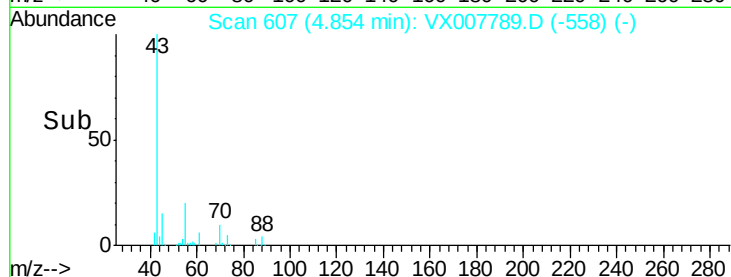
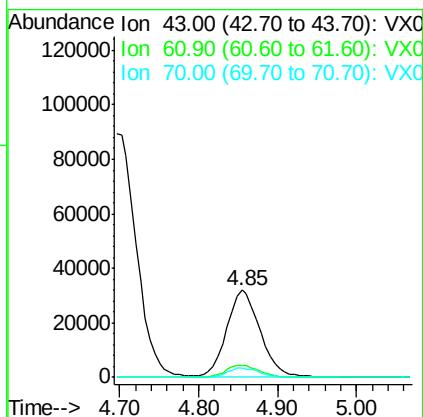
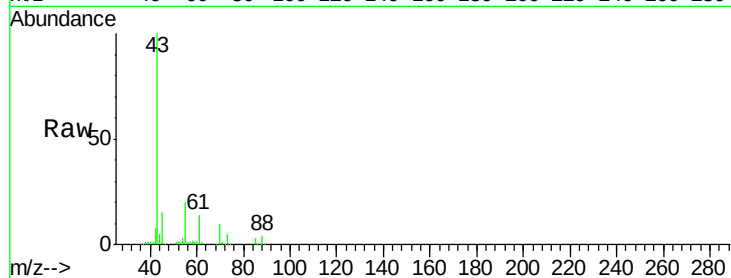
#37
Ethyl Acetate
Concen: 21.966 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX007789.D
Acq: 01 Mar 2019 15:00

Instrument :
MSVOA_X
ClientSampleId :
VX0301MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.3	16.9
70	10.4	8.6	13.0

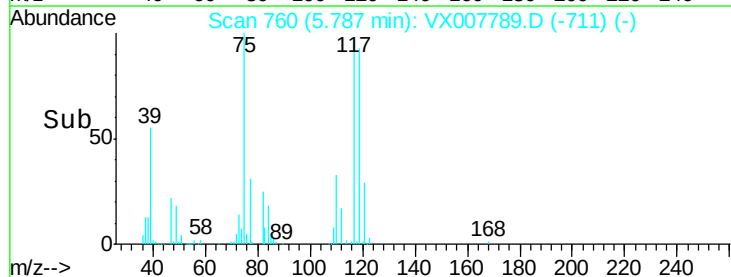
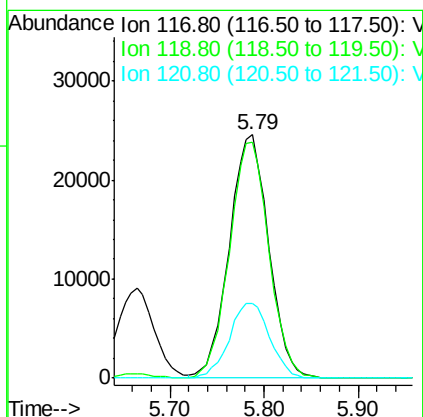
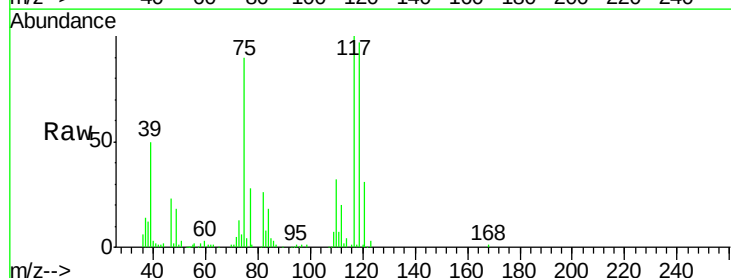
Manual Integrations
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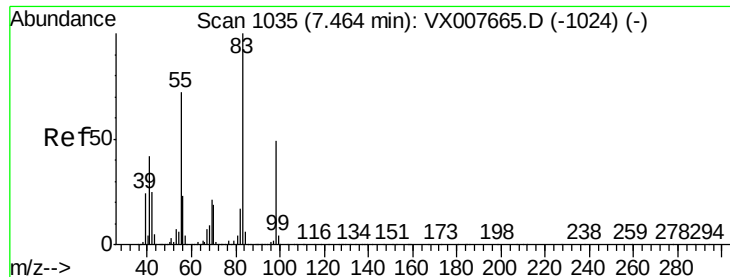
MMDadoda
3/4/2019 1:36:17 PM



#38
Carbon Tetrachloride
Concen: 18.582 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX007789.D
Acq: 01 Mar 2019 15:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	75.3	112.9
121	30.6	25.0	37.4





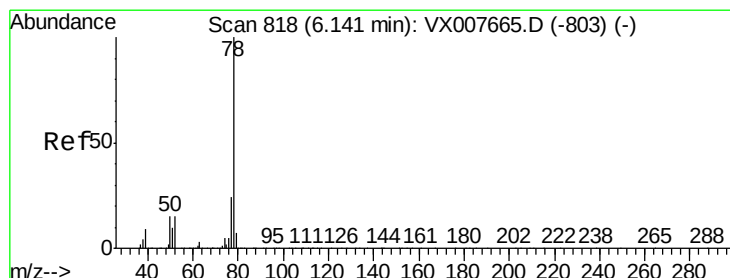
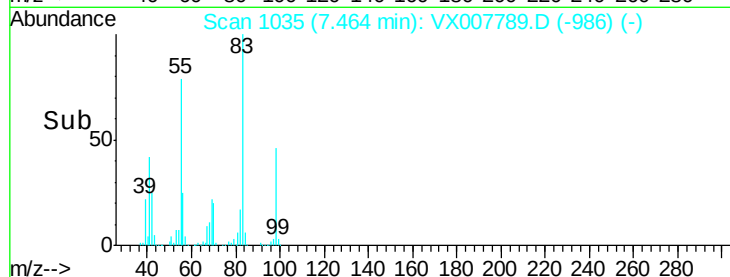
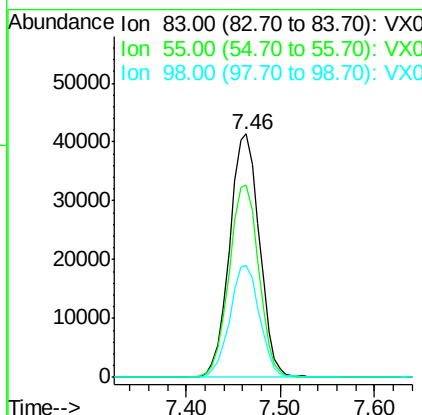
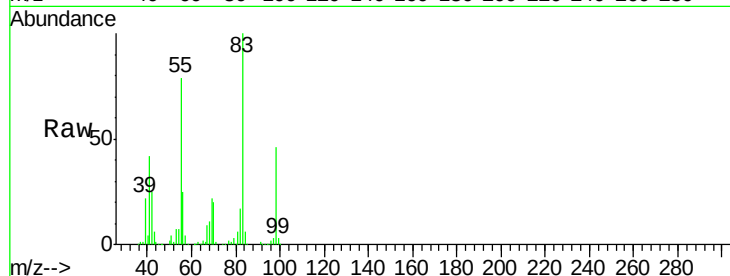
#39
Methylvlcyclohexane
Concen: 18.817 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX007789.D
Acq: 01 Mar 2019 15:00

Instrument :
MSVOA_X
ClientSampleId :
VX0301MBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.8	56.2	84.2
98	45.8	36.8	55.2

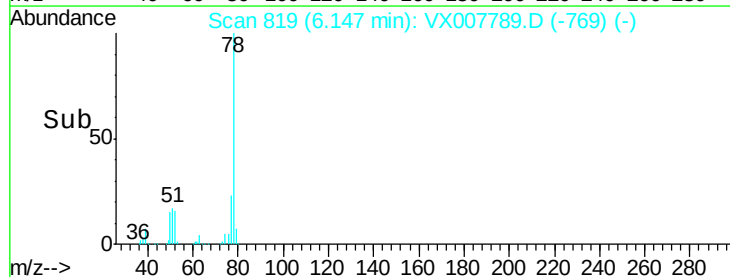
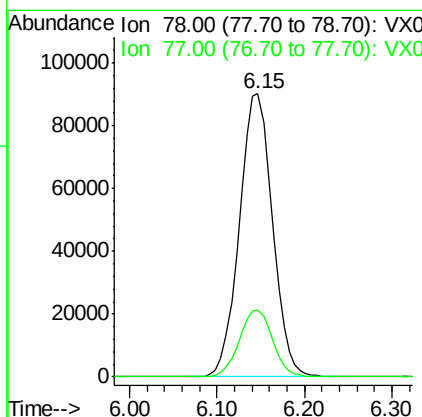
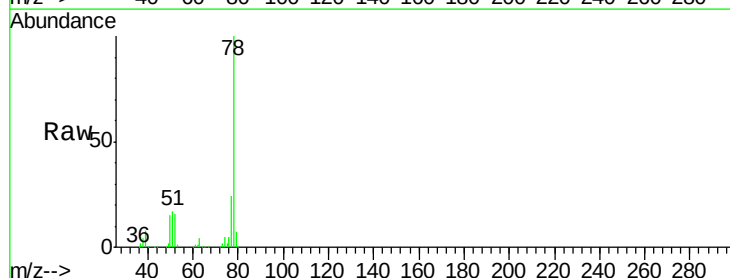
Manual Integrations
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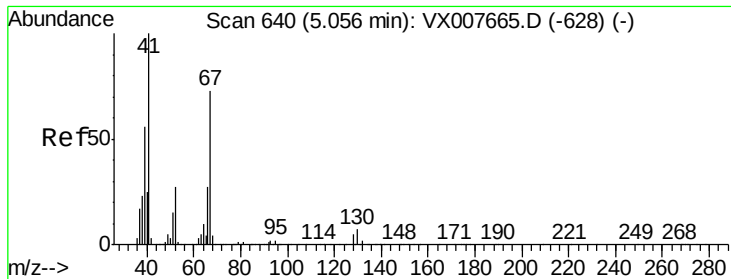
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#40
Benzene
Concen: 20.039 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX007789.D
Acq: 01 Mar 2019 15:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.3	28.9





#41

Methacrylonitrile

Concen: 22.816 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.01 min

Lab File: VX007789.D

Acq: 01 Mar 2019 15:00

Instrument :

MSVOA_X

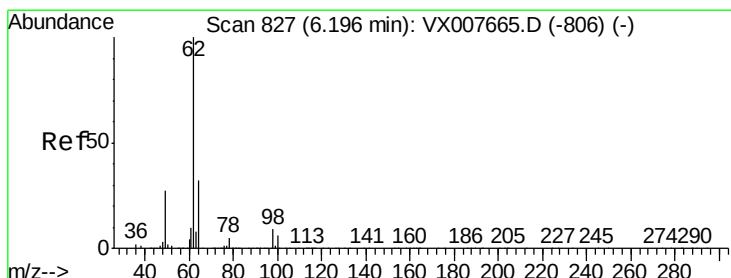
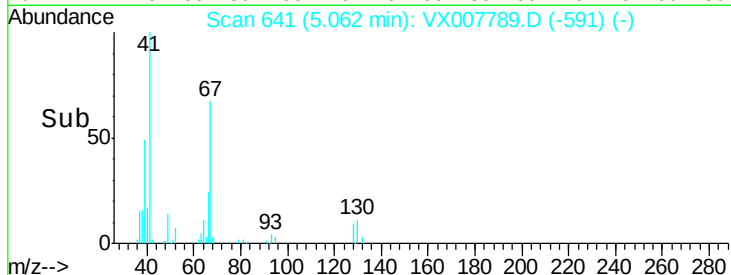
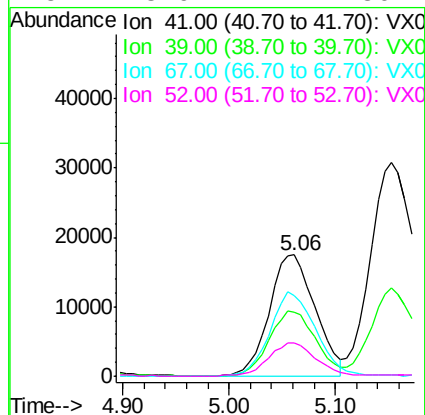
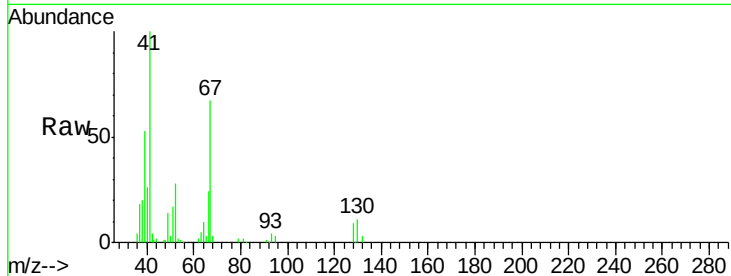
ClientSampleId :

VX0301MBSD01

Tot Ion:	41	Resp:	51945
Ion Ratio	Lower	Upper	
41	100		
39	55.0	44.5	66.7
67	70.3	60.4	90.6
52	28.9	24.1	36.1

Manual Integrations
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3/4/2019 1:36:17 PM



#42

1,2-Dichloroethane

Concen: 20.658 ug/l

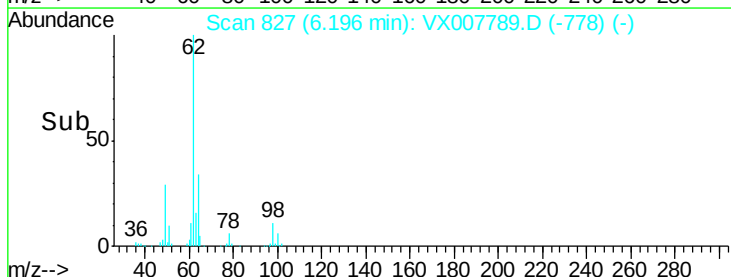
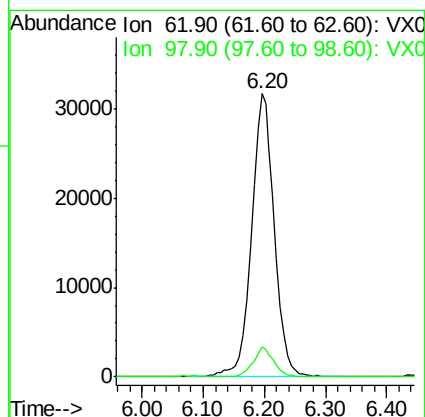
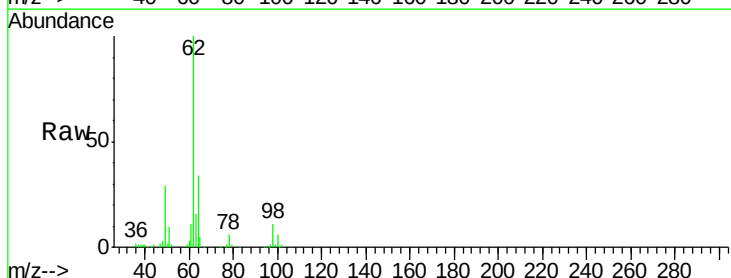
RT: 6.20 min Scan# 827

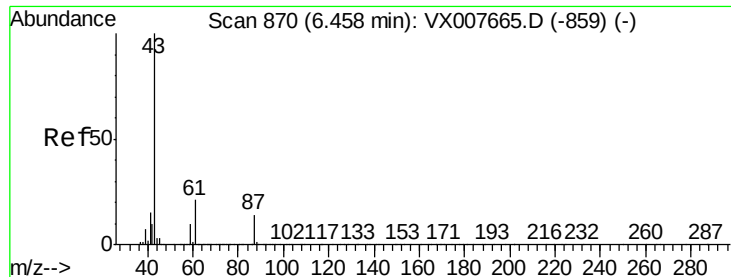
Delta R.T. -0.00 min

Lab File: VX007789.D

Acq: 01 Mar 2019 15:00

Tgt Ion:	62	Resp:	82268
Ion Ratio	Lower	Upper	
62	100		
98	9.4	0.0	19.0





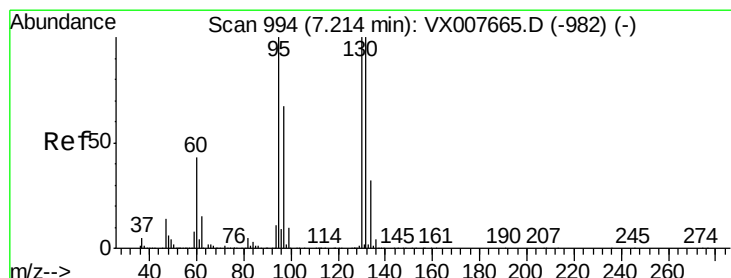
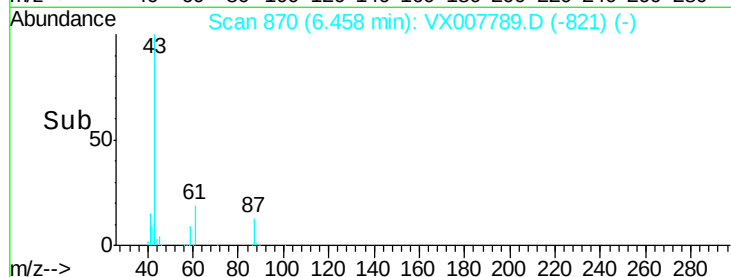
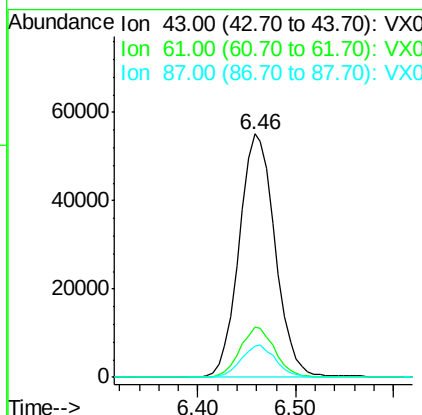
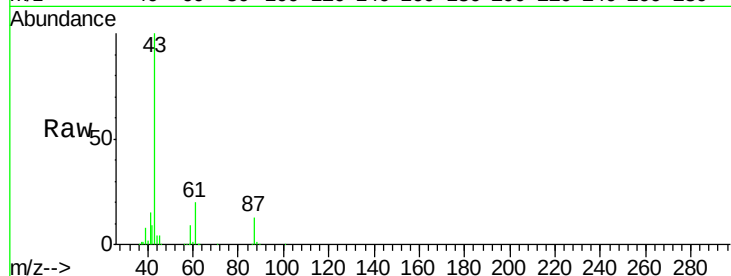
#43
Isopropyl Acetate
Concen: 21.318 ug/l
RT: 6.46 min Scan# 870
Delta R.T. -0.00 min
Lab File: VX007789.D
Acq: 01 Mar 2019 15:00

Instrument :
MSVOA_X
ClientSampleId :
VX0301MBSD01

Tot Ion:	43	Resp:	139887
Ion	Ratio	Lower	Upper
43	100		
61	20.1	16.1	24.1
87	12.9	11.5	17.3

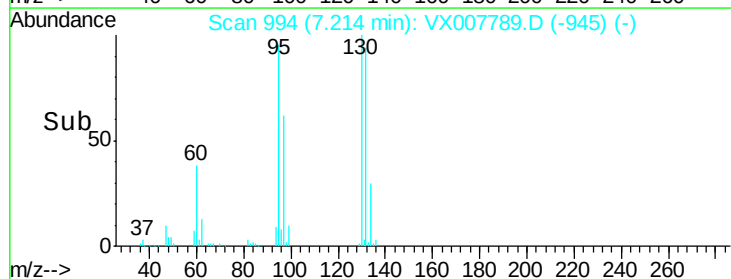
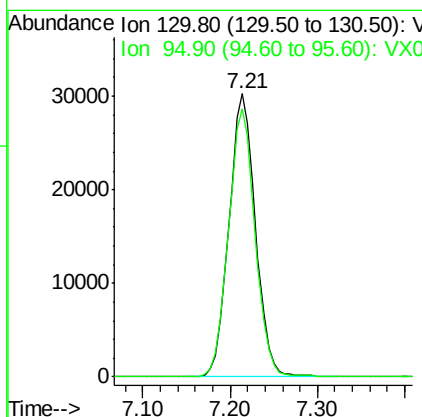
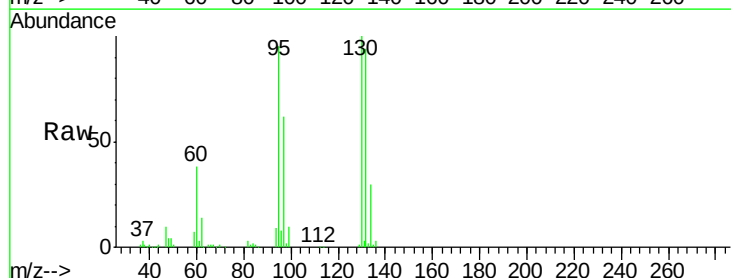
Manual Integrations
APPROVED

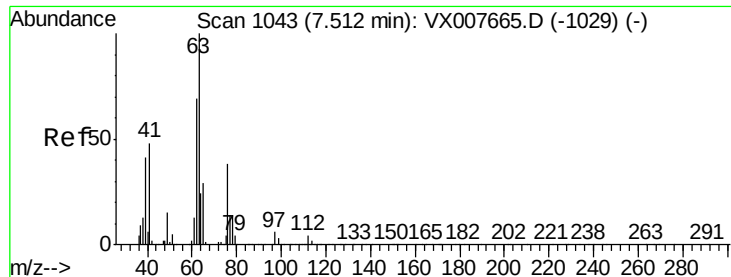
MMDadoda
3/4/2019 1:36:17 PM



#44
Trichloroethene
Concen: 19.501 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX007789.D
Acq: 01 Mar 2019 15:00

Tgt Ion:	130	Resp:	63559
Ion	Ratio	Lower	Upper
130	100		
95	94.7	0.0	180.0





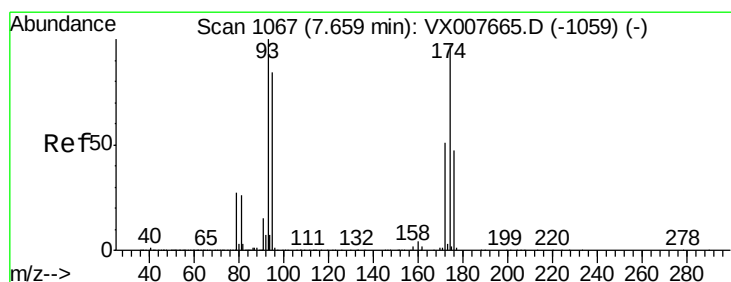
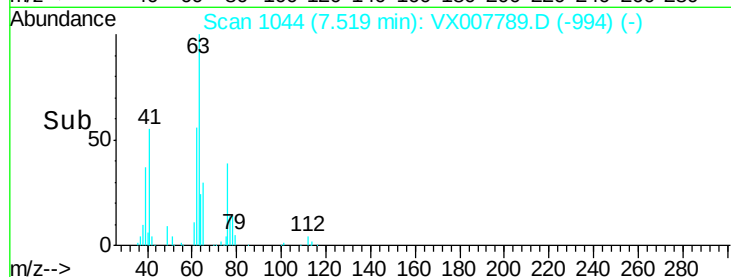
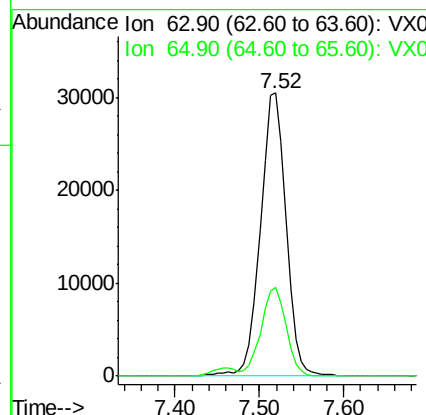
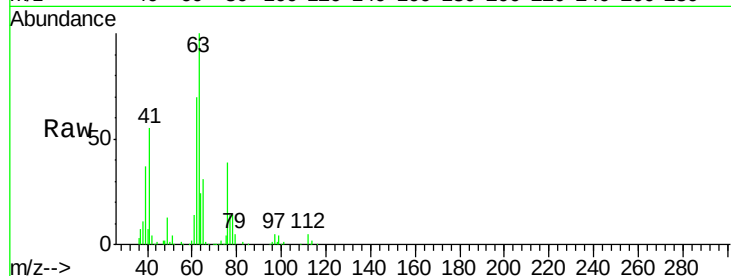
#45
1,2-Dichloropropane
Concen: 20.767 ug/l
RT: 7.52 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VX007789.D
Acq: 01 Mar 2019 15:00

Instrument :
MSVOA_X
ClientSampleId :
VX0301MBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	24.2	36.2

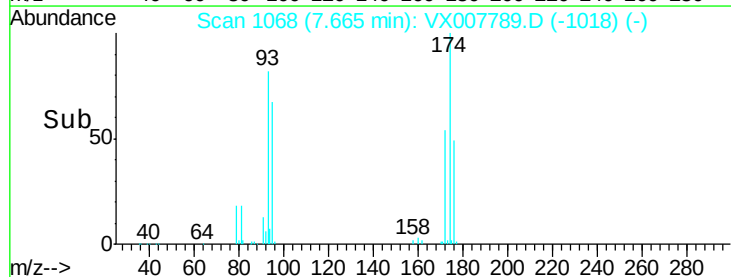
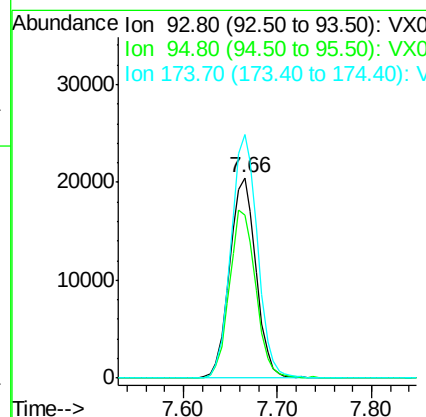
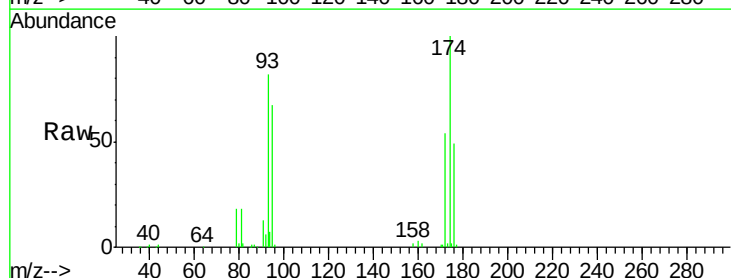
Manual Integrations
APPROVED

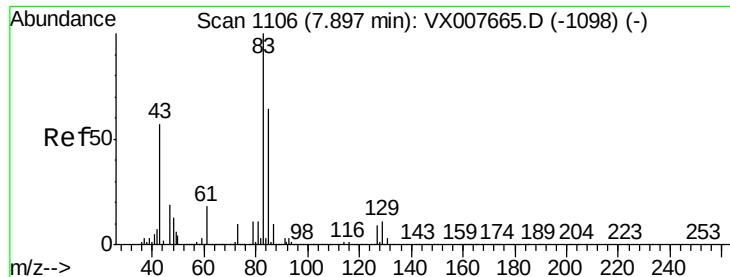
MMDadoda
3/4/2019 1:36:17 PM



#46
Dibromomethane
Concen: 18.589 ug/l
RT: 7.66 min Scan# 1068
Delta R.T. 0.01 min
Lab File: VX007789.D
Acq: 01 Mar 2019 15:00

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	67.6	101.4
174	121.6	94.2	141.4





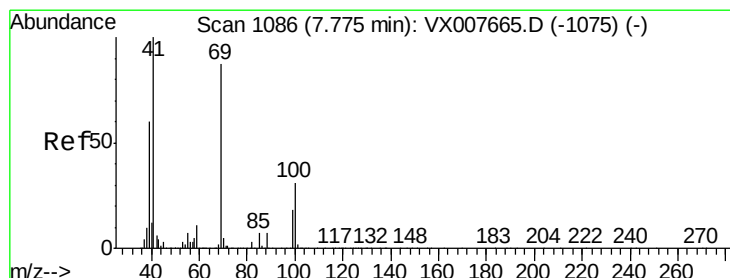
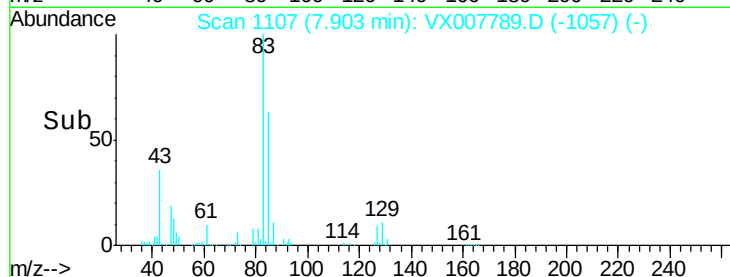
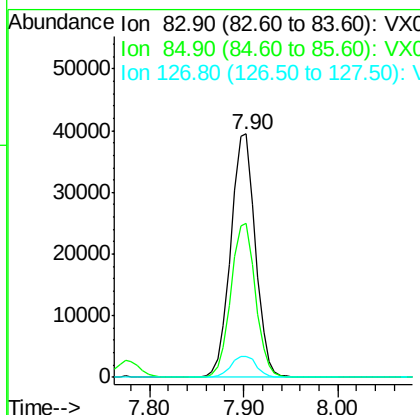
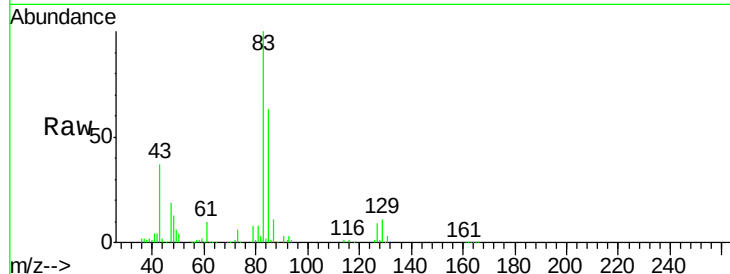
#47
Bromodichloromethane
Concen: 19.352 ug/l
RT: 7.90 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VX007789.D
Acq: 01 Mar 2019 15:00

Instrument :
MSVOA_X
ClientSampleId :
VX0301MBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.4	77.0
127	8.6	8.1	12.1

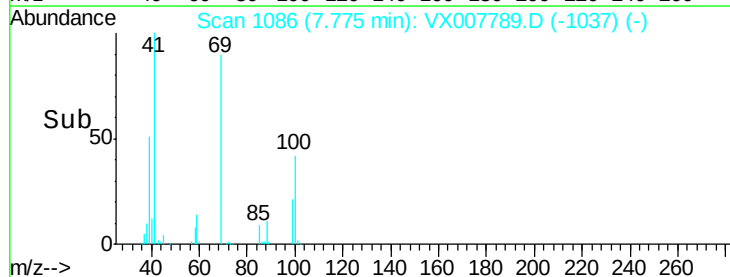
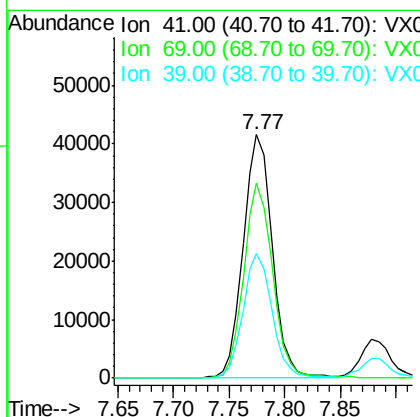
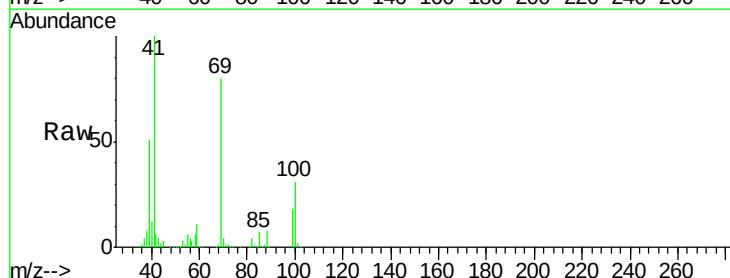
Manual Integrations
APPROVED

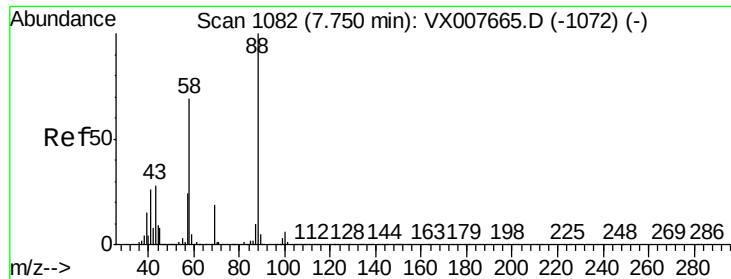
MMDadoda
3/4/2019 1:36:17 PM



#48
Methyl methacrylate
Concen: 22.094 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.00 min
Lab File: VX007789.D
Acq: 01 Mar 2019 15:00

Tgt Ion	Ratio	Lower	Upper
41	100		
69	79.4	70.2	105.4
39	51.3	47.4	71.0





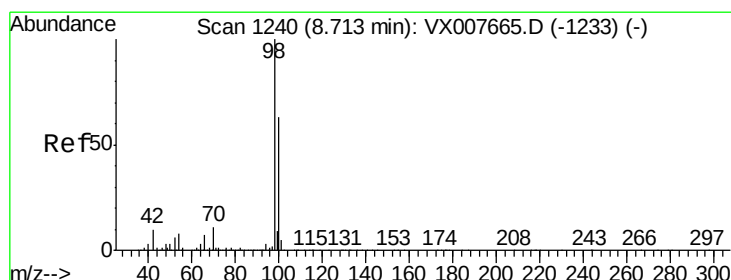
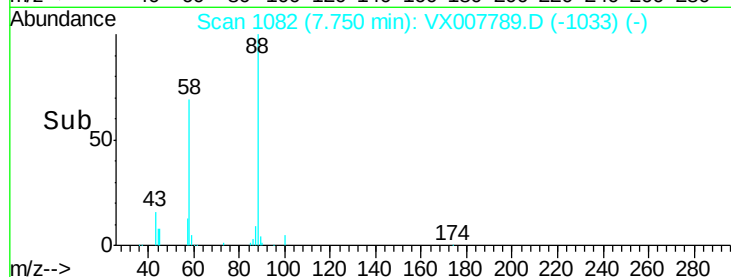
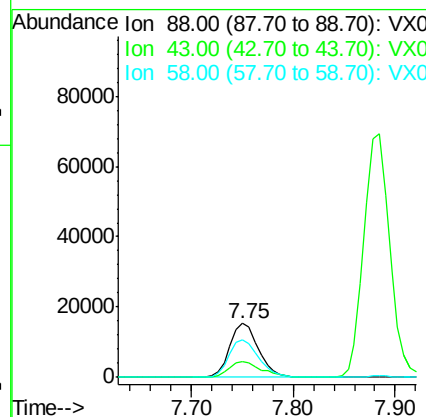
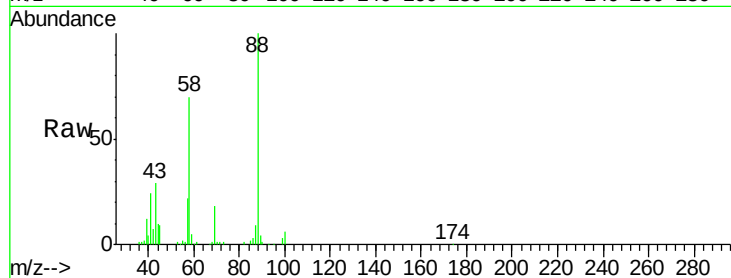
#49
1,4-Dioxane
Concen: 403.591 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.00 min
Lab File: VX007789.D
Acq: 01 Mar 2019 15:00

Instrument :
MSVOA_X
ClientSampleId :
VX0301MBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.4	24.2	36.4
58	73.0	53.0	79.4

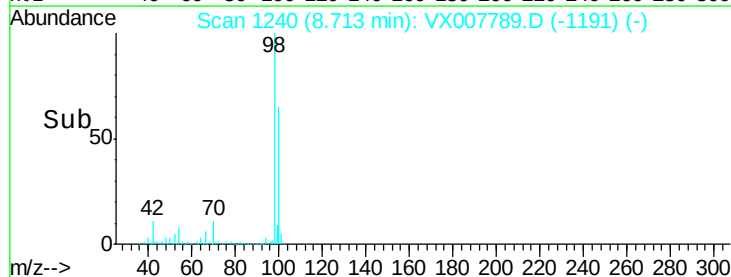
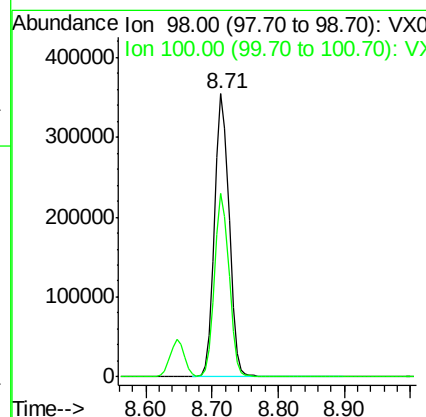
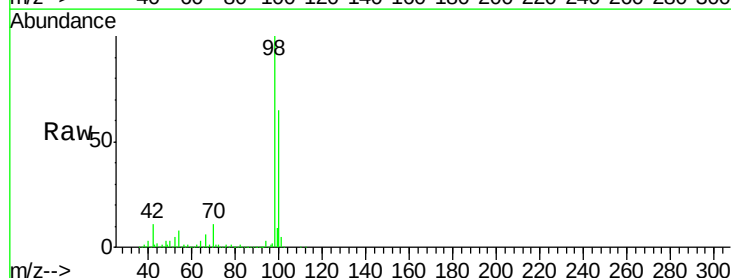
Manual Integrations
APPROVED

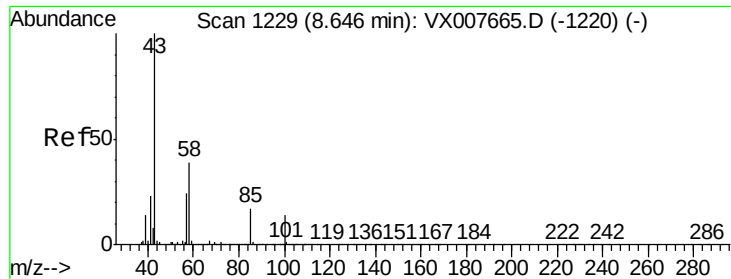
MMDadoda
3/4/2019 1:36:17 PM



#50
Toluene-d8
Concen: 49.866 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007789.D
Acq: 01 Mar 2019 15:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.6	77.4





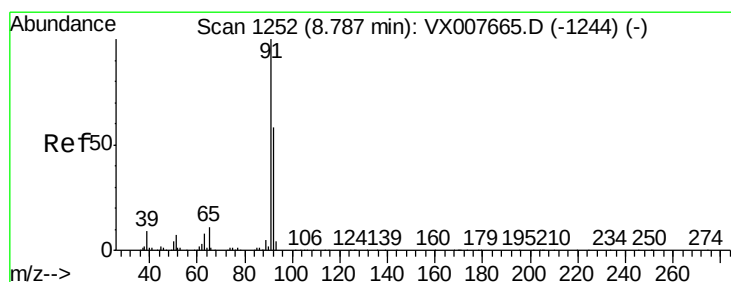
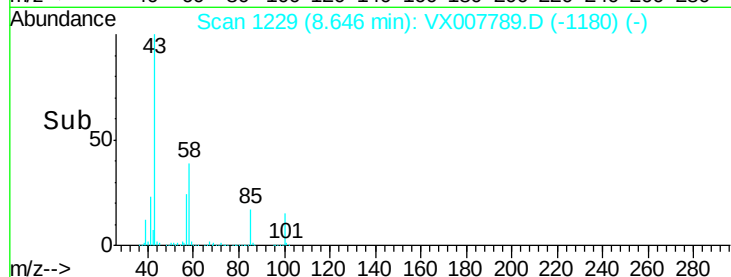
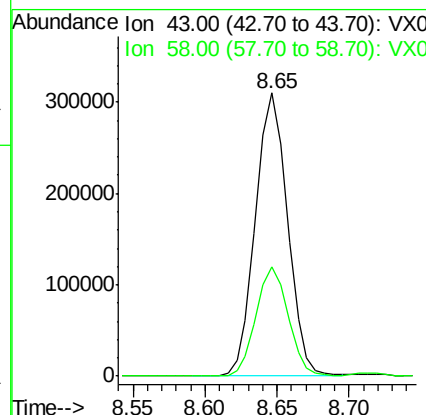
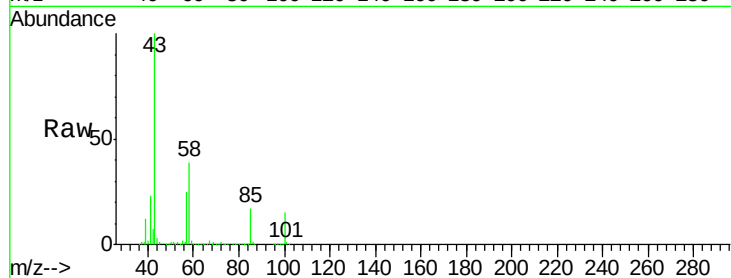
#51
4-Methyl-2-Pentanone
Concen: 109.033 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VX007789.D
Acq: 01 Mar 2019 15:00

Instrument :
MSVOA_X
ClientSampleId :
VX0301MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.6	31.2	46.8

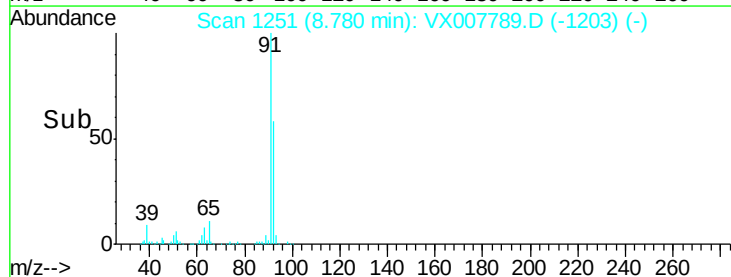
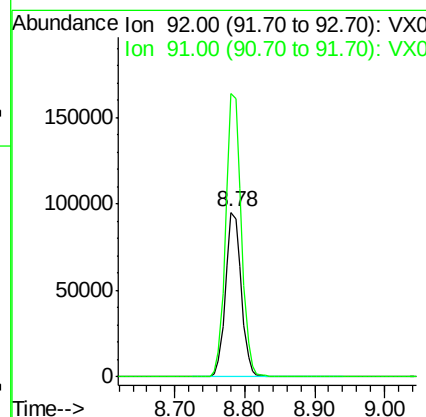
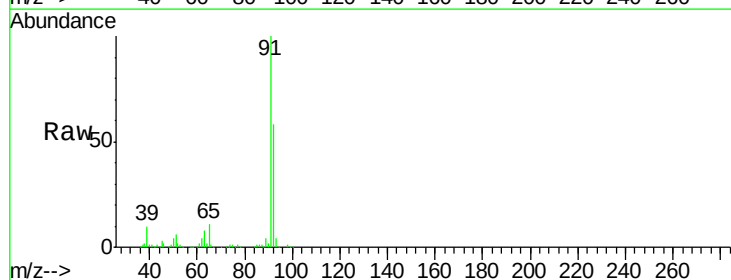
Manual Integrations
APPROVED

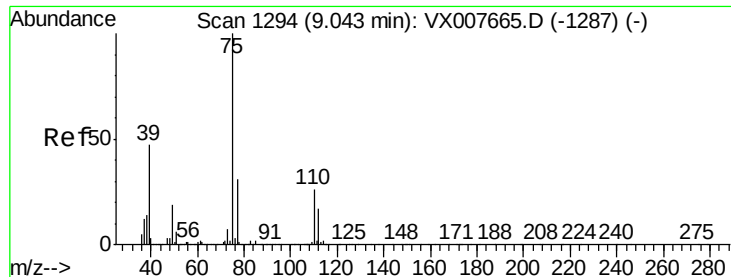
MMDadoda
3/4/2019 1:36:17 PM



#52
Toluene
Concen: 19.864 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX007789.D
Acq: 01 Mar 2019 15:00

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.8	139.1	208.7





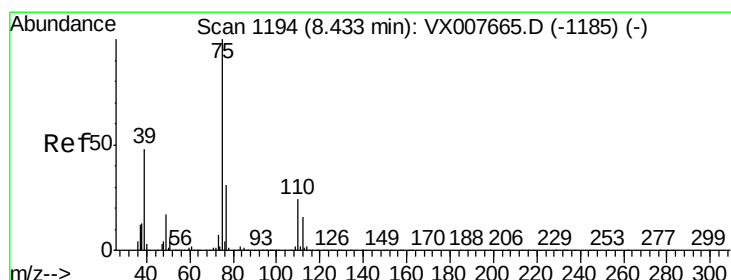
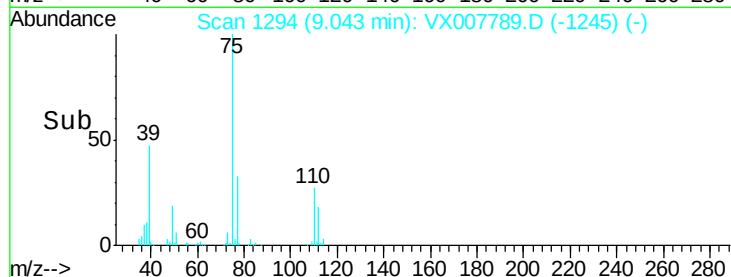
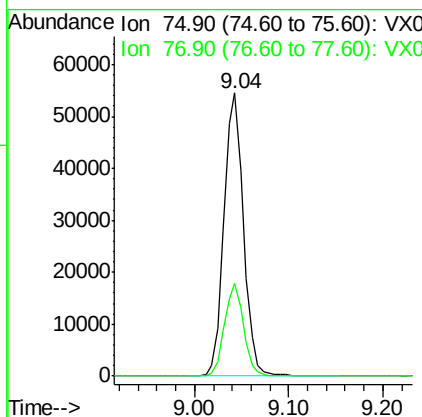
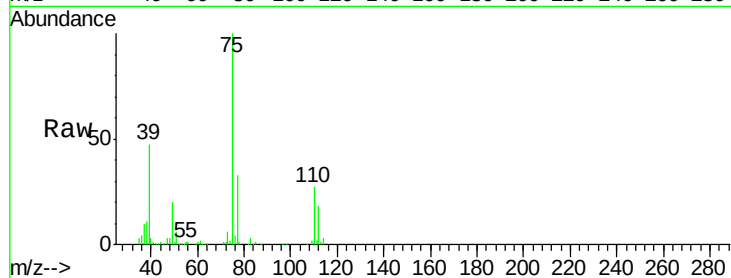
#53
t-1,3-Dichloropropene
Concen: 18.802 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX007789.D
Acq: 01 Mar 2019 15:00

Instrument :
MSVOA_X
ClientSampleId :
VX0301MBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.2	37.8

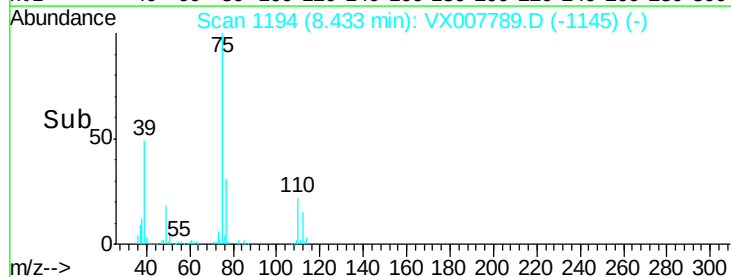
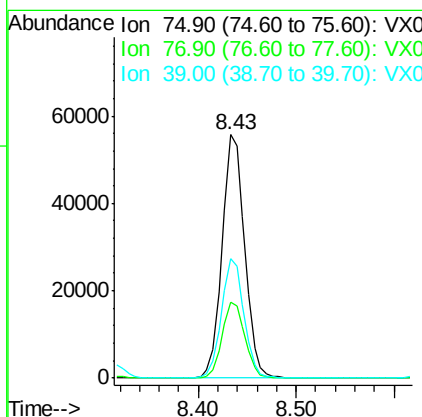
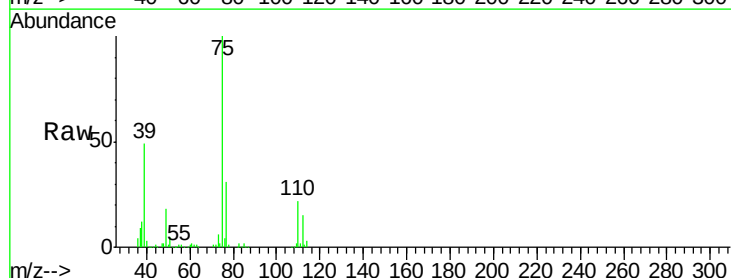
Manual Integrations
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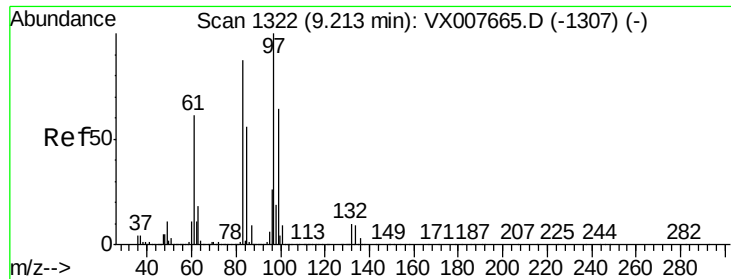
MMDadoda
3/4/2019 1:36:17 PM



#54
cis-1,3-Dichloropropene
Concen: 19.809 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX007789.D
Acq: 01 Mar 2019 15:00

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	26.2	39.4
39	48.9	37.1	55.7





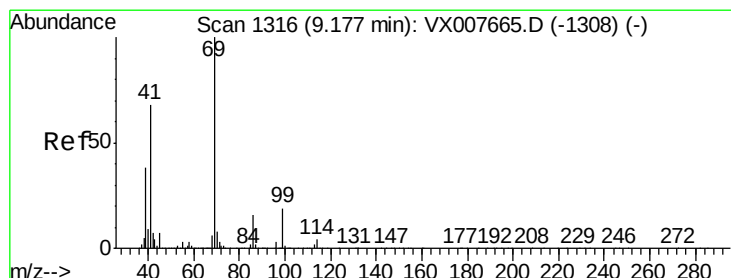
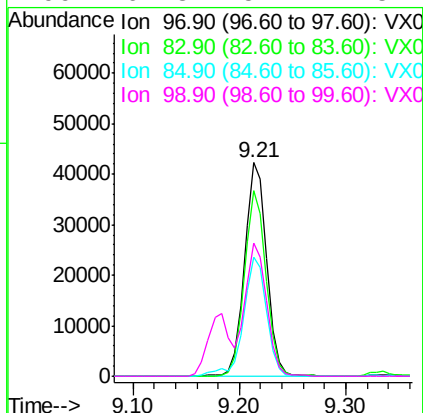
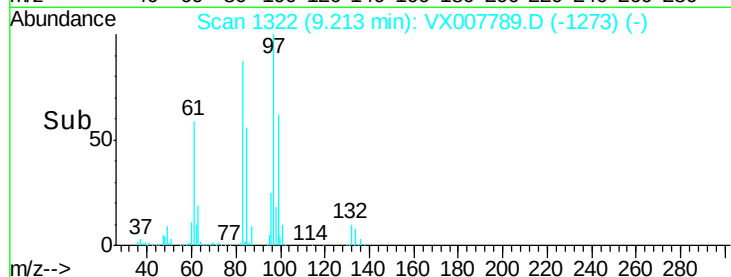
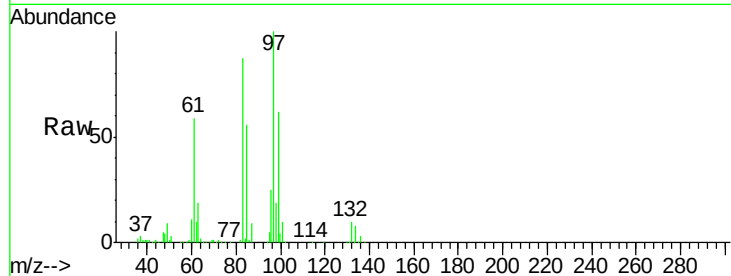
#55
 1,1,2-Trichloroethane
 Concen: 19.839 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX007789.D
 Acq: 01 Mar 2019 15:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0301MBSD01

Tot Ion:	97	Resp:	61809
Ion	Ratio	Lower	Upper
97	100		
83	86.6	68.6	102.8
85	55.7	44.5	66.7
99	62.3	52.2	78.4

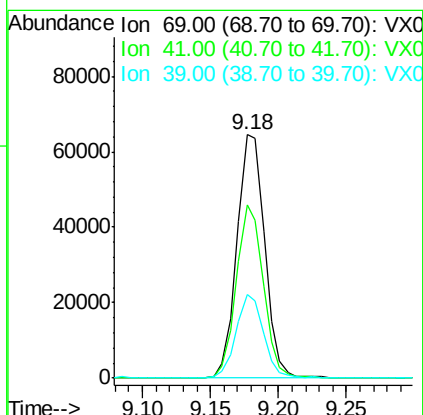
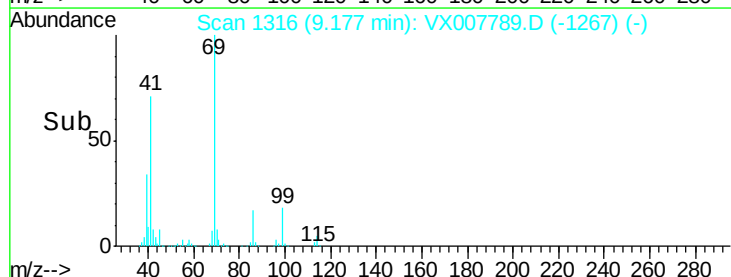
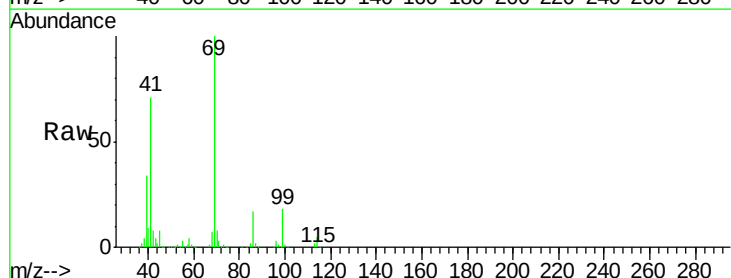
Manual Integrations
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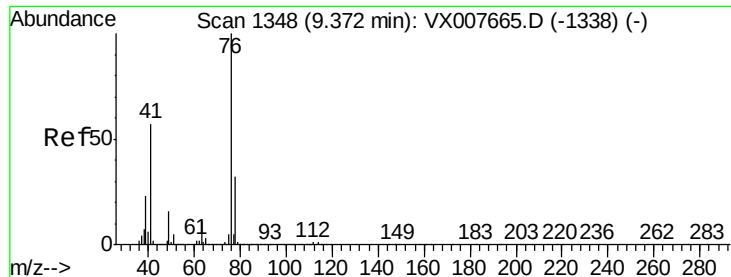
MMDadoda
 3/4/2019 1:36:17 PM



#56
 Ethyl methacrylate
 Concen: 20.745 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX007789.D
 Acq: 01 Mar 2019 15:00

Tgt Ion:	69	Resp:	91912
Ion	Ratio	Lower	Upper
69	100		
41	69.3	52.1	78.1
39	33.6	30.1	45.1





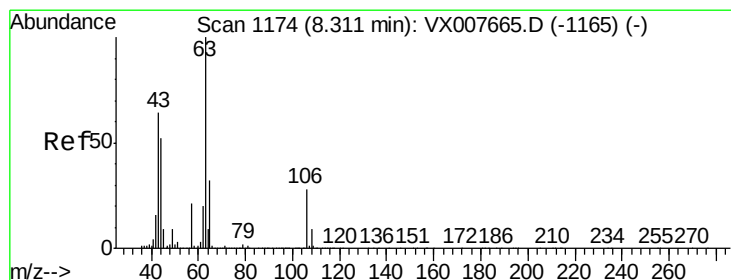
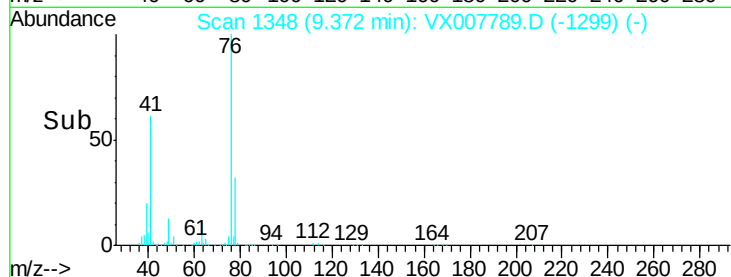
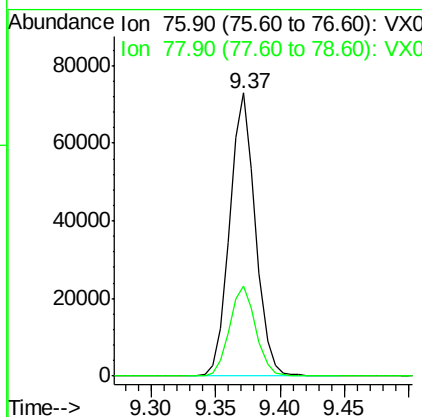
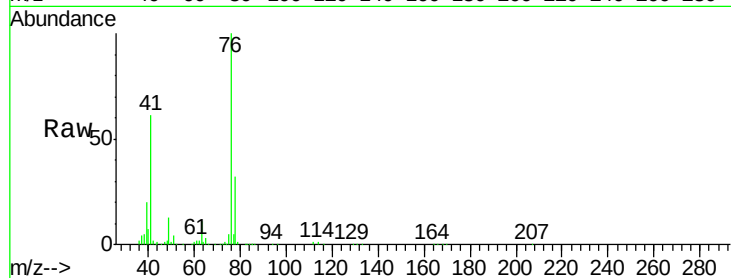
#57
 1,3-Dichloropropane
 Concen: 20.444 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX007789.D
 Acq: 01 Mar 2019 15:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0301MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

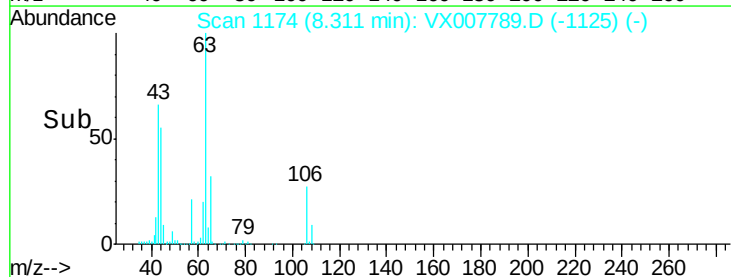
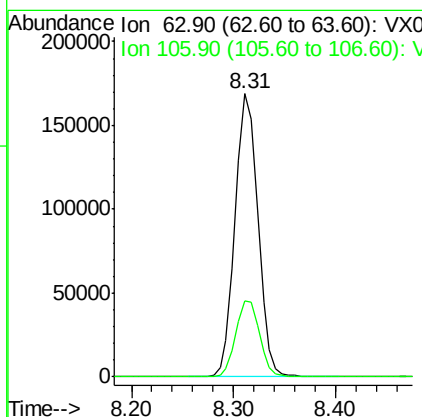
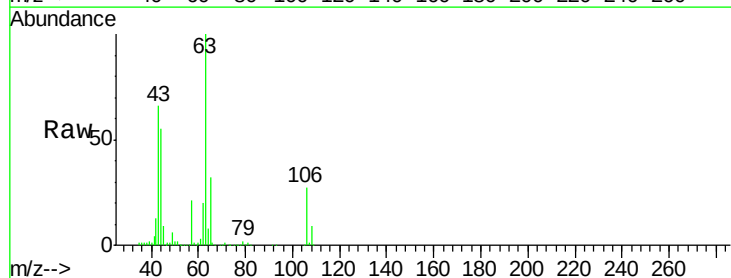
Manual Integrations
 APPROVED

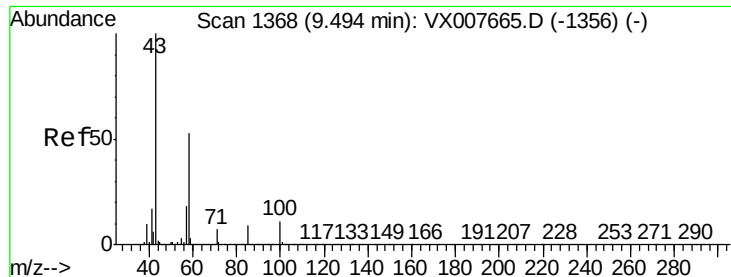
MMDadoda
 3/4/2019 1:36:17 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.247 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX007789.D
 Acq: 01 Mar 2019 15:00

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.0	23.6	35.4





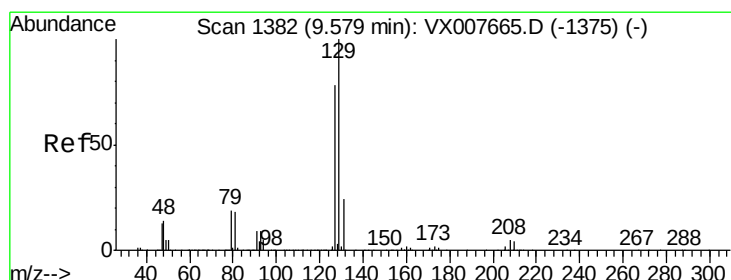
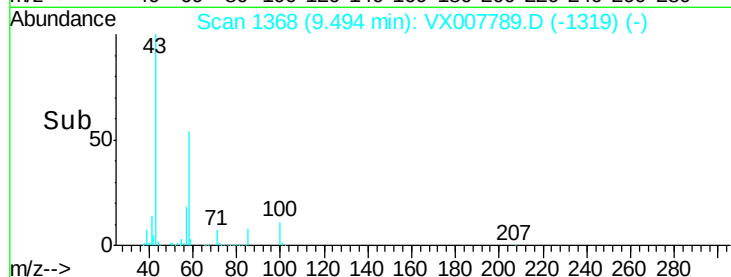
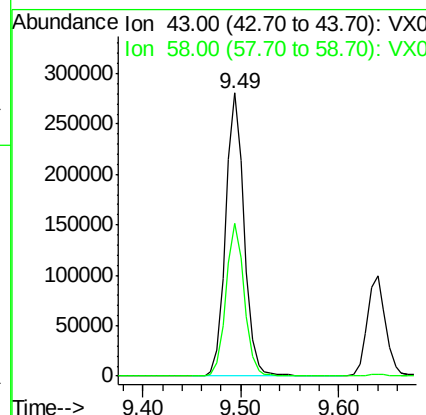
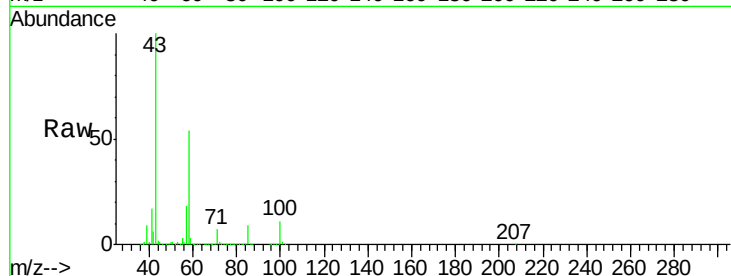
#59
2-Hexanone
Concen: 106.076 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007789.D
Acq: 01 Mar 2019 15:00

Instrument :
MSVOA_X
ClientSampleId :
VX0301MBSD01

Tot Ion: 43 Resp: 365798
Ion Ratio Lower Upper
43 100
58 53.8 27.1 81.3

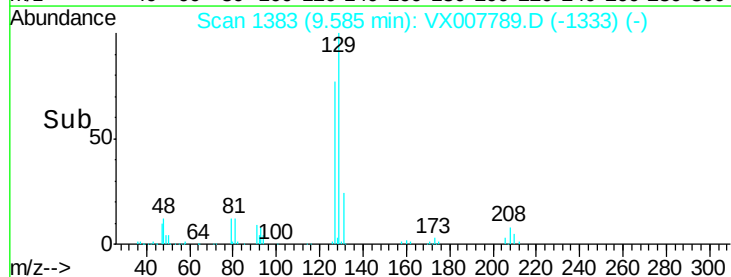
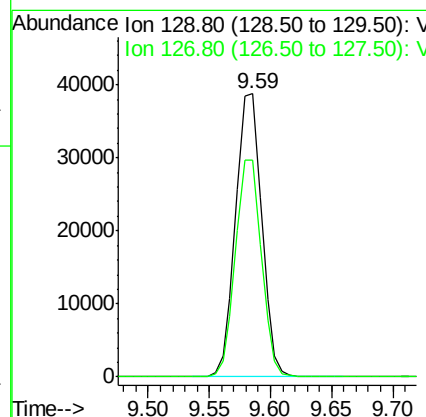
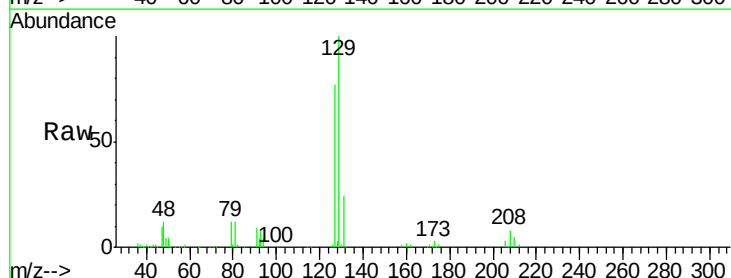
Manual Integrations
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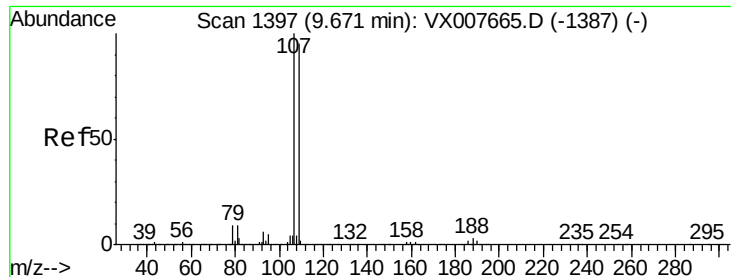
MMDadoda
3/4/2019 1:36:17 PM



#60
Dibromochloromethane
Concen: 19.064 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX007789.D
Acq: 01 Mar 2019 15:00

Tgt Ion: 129 Resp: 57153
Ion Ratio Lower Upper
129 100
127 76.4 37.8 113.4





#61

1,2-Dibromoethane

Concen: 19.606 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007789.D

Acq: 01 Mar 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

VX0301MBSD01

Tot Ion:107 Resp: 63422

Ion Ratio Lower Upper

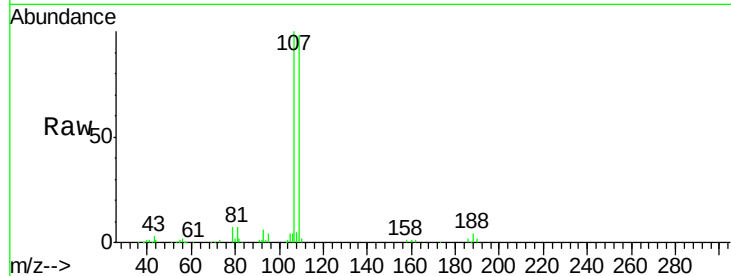
107 100

109 94.9 75.1 112.7

Manual Integrations
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MMDadoda

3/4/2019 1:36:17 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

50000

40000

30000

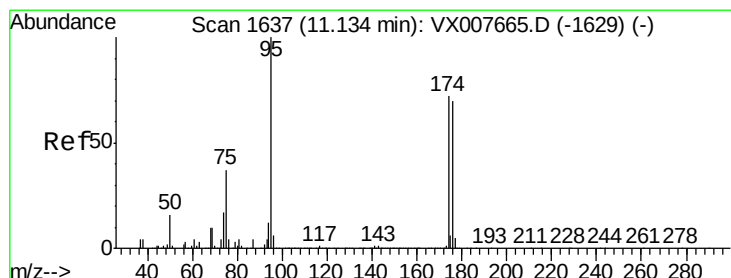
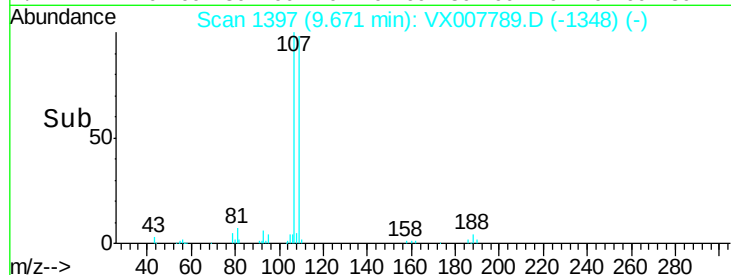
20000

10000

0

Time-->

9.60 9.70 9.80



#62

4-Bromofluorobenzene

Concen: 48.238 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007789.D

Acq: 01 Mar 2019 15:00

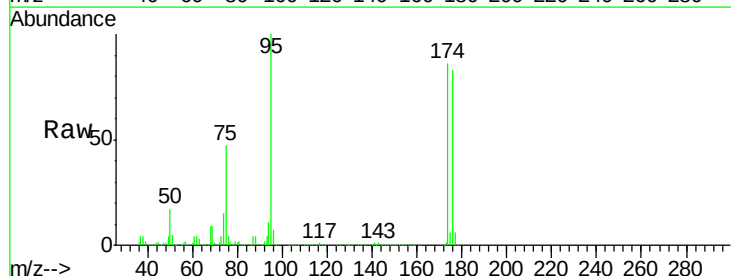
Tgt Ion: 95 Resp: 193439

Ion Ratio Lower Upper

95 100

174 92.0 0.0 189.2

176 89.1 0.0 186.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

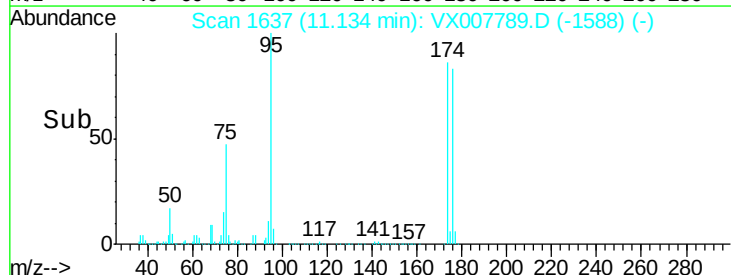
100000

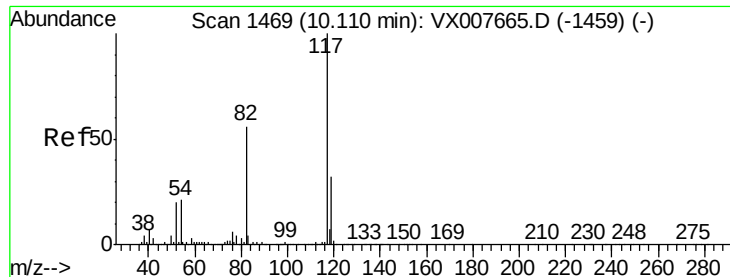
50000

0

Time-->

11.10 11.20





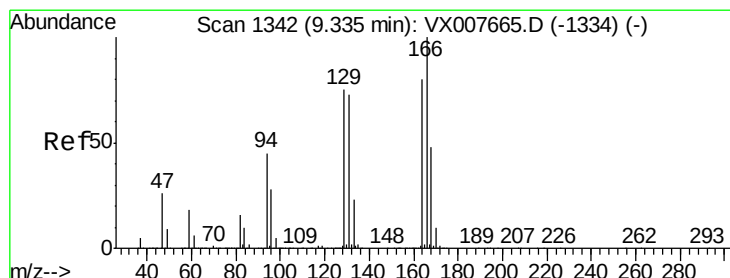
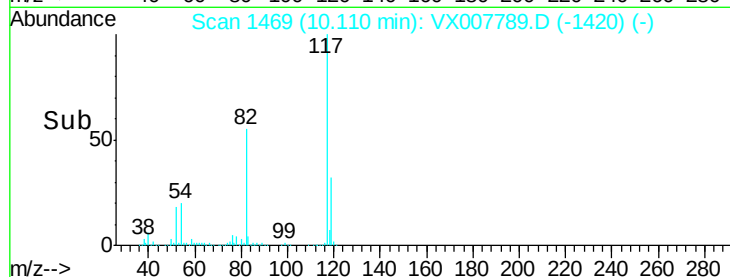
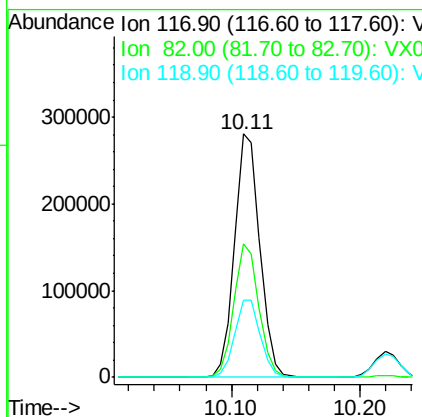
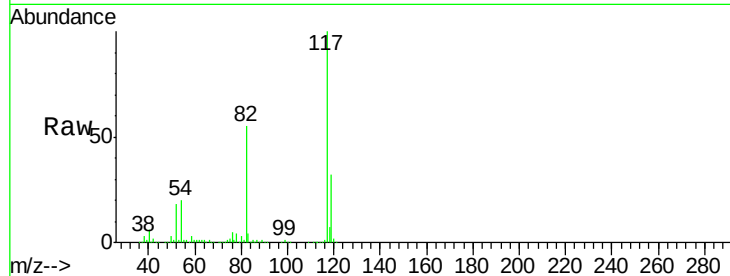
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007789.D
Acq: 01 Mar 2019 15:00

Instrument :
MSVOA_X
ClientSampleId :
VX0301MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	384573		
82	54.9	42.1	63.1	
119	31.8	26.5	39.7	

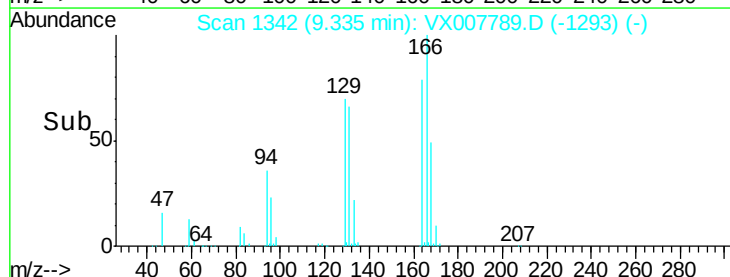
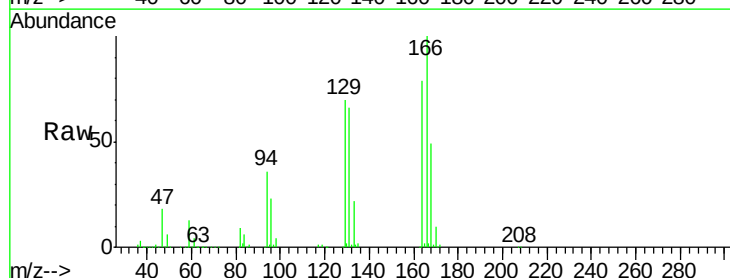
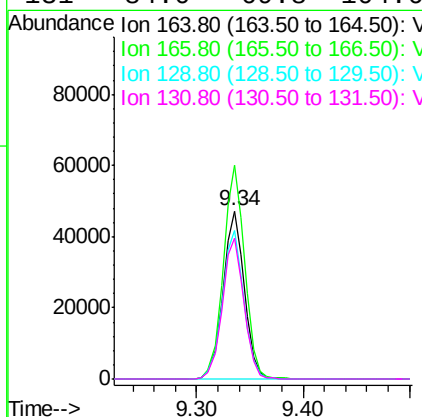
Manual Integrations
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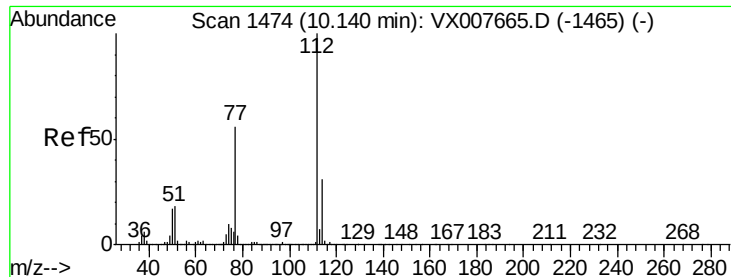
MMDadoda
3/4/2019 1:36:17 PM



#64
Tetrachloroethene
Concen: 21.007 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007789.D
Acq: 01 Mar 2019 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	65584		
166	127.4	101.0	151.4	
129	88.7	70.5	105.7	
131	84.0	69.8	104.6	





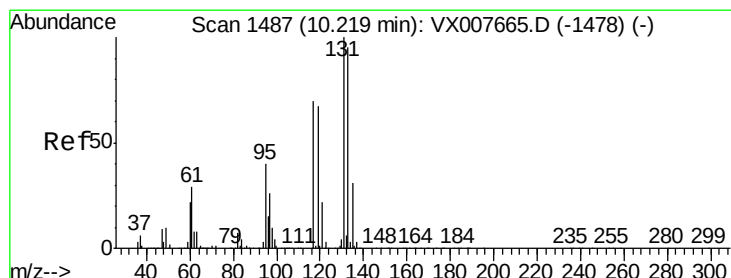
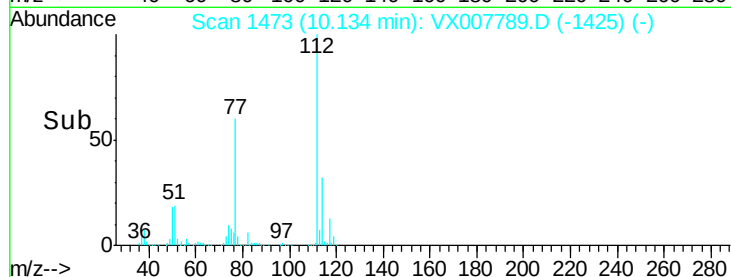
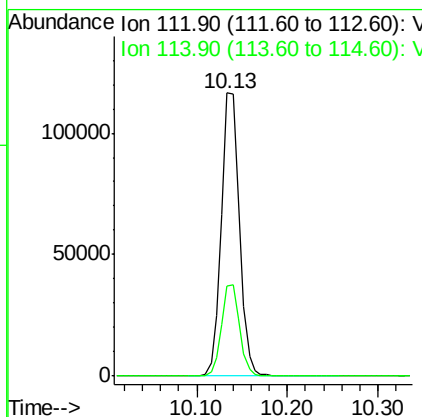
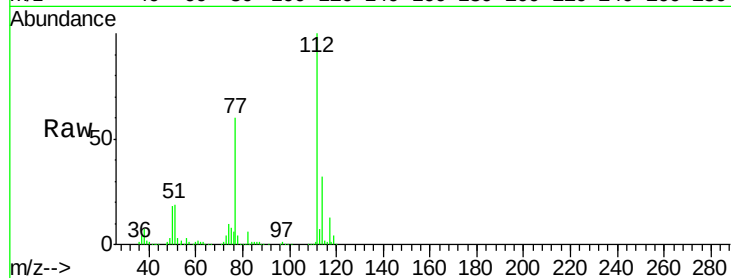
#65
Chlorobenzene
Concen: 19.601 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX007789.D
Acq: 01 Mar 2019 15:00

Instrument :
MSVOA_X
ClientSampleId :
VX0301MBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.8	38.6

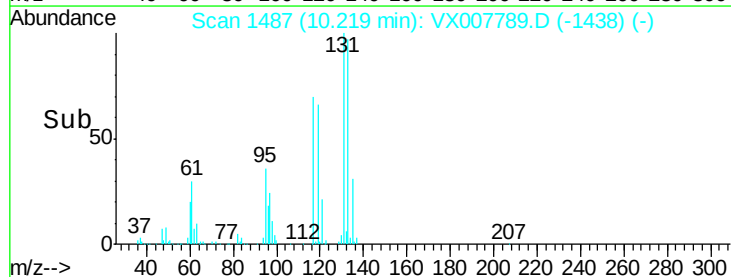
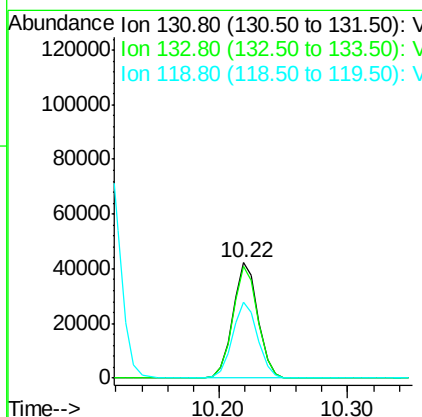
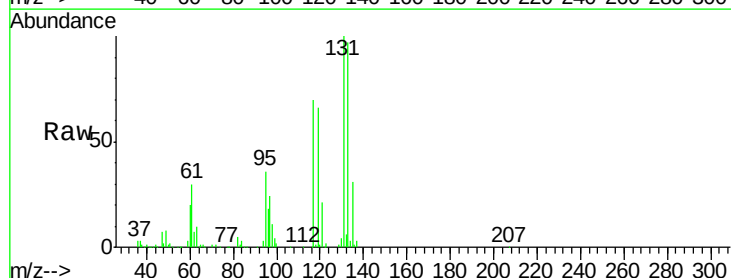
Manual Integrations
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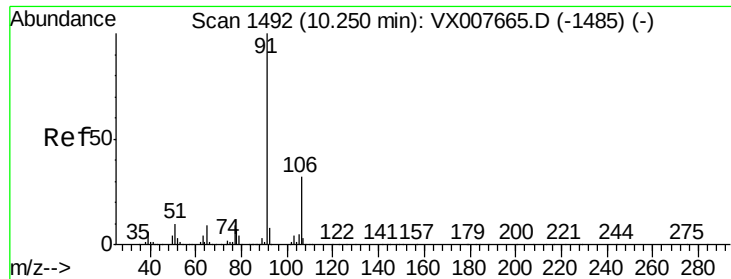
MMDadoda
3/4/2019 1:36:17 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.698 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX007789.D
Acq: 01 Mar 2019 15:00

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.7	48.0	144.2
119	66.5	32.0	96.0





#67

Ethyl Benzene

Concen: 19.657 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007789.D

Acq: 01 Mar 2019 15:00

Instrument :

MSVOA_X

ClientSampled :

VX0301MBS01

Tot Ion: 91 Resp: 270850

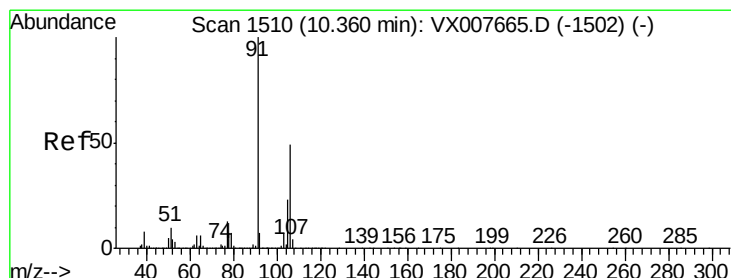
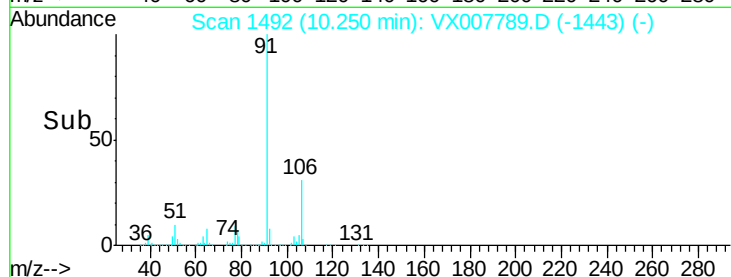
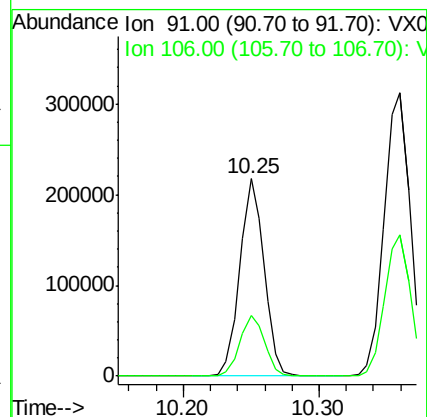
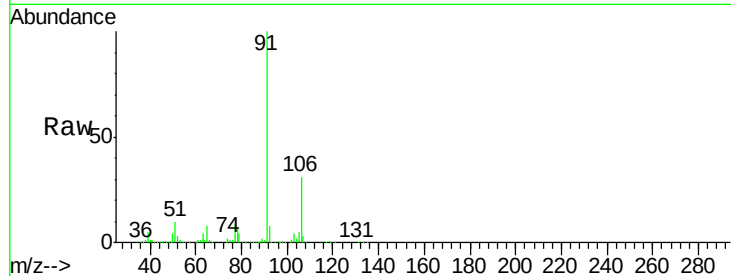
Ion Ratio Lower Upper

91 100

106 30.7 25.4 38.0

Manual Integrations
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#68

m/p-Xylenes

Concen: 38.748 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007789.D

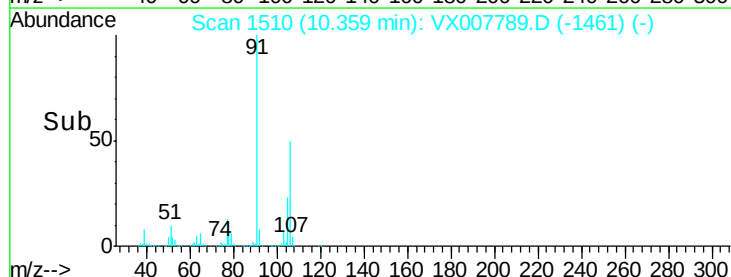
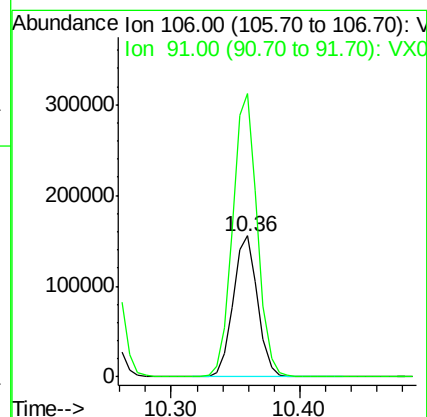
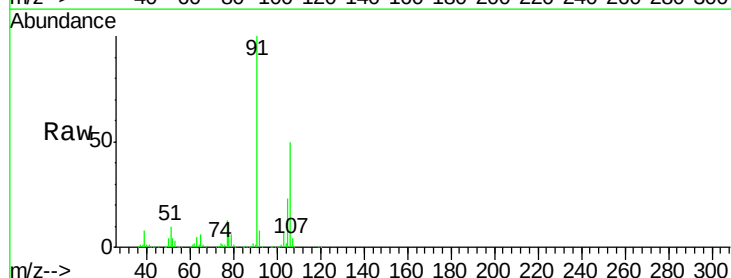
Acq: 01 Mar 2019 15:00

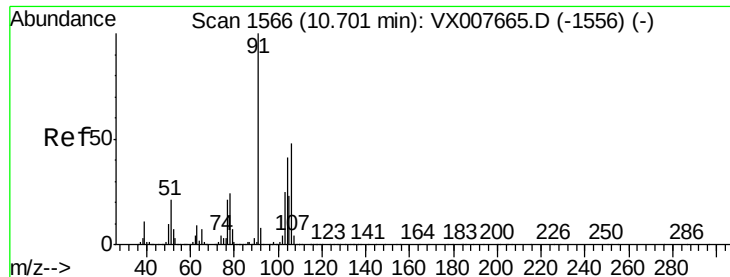
Tgt Ion: 106 Resp: 207697

Ion Ratio Lower Upper

106 100

91 200.8 156.6 234.8





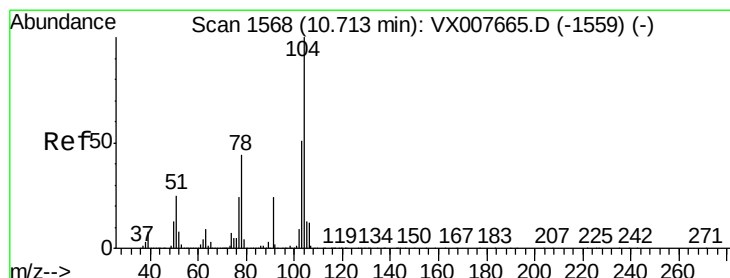
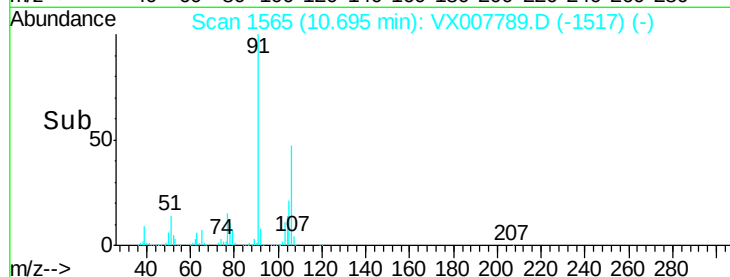
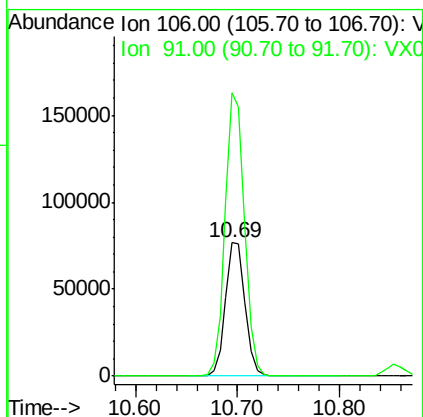
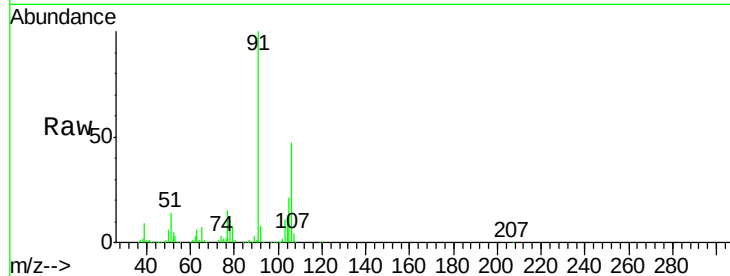
#69
o-Xylene
Concen: 19.735 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX007789.D
Acq: 01 Mar 2019 15:00

Instrument :
MSVOA_X
ClientSampleId :
VX0301MBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.6	102.9	308.7

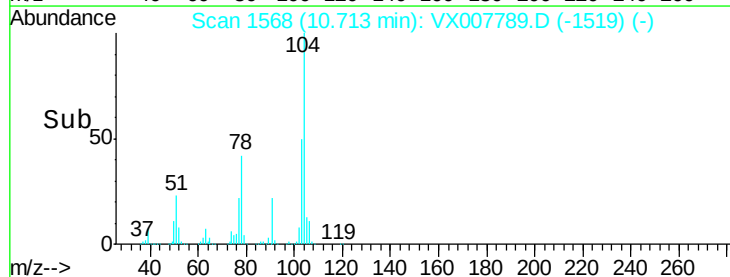
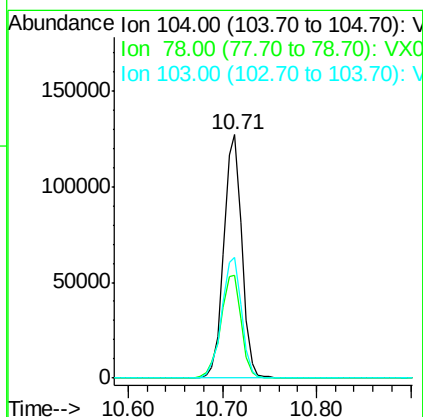
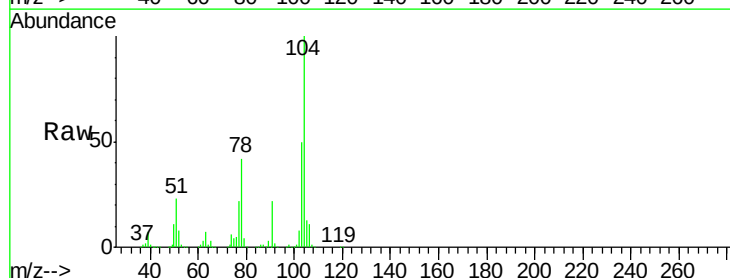
Manual Integrations
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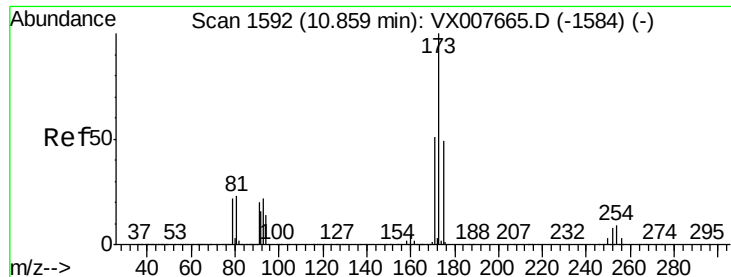
MMDadoda
3/4/2019 1:36:17 PM



#70
Styrene
Concen: 19.898 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007789.D
Acq: 01 Mar 2019 15:00

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.9	38.3	57.5
103	54.5	44.6	67.0





#71

Bromoform

Concen: 20.204 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX007789.D

Acq: 01 Mar 2019 15:00

Instrument :

MSVOA_X

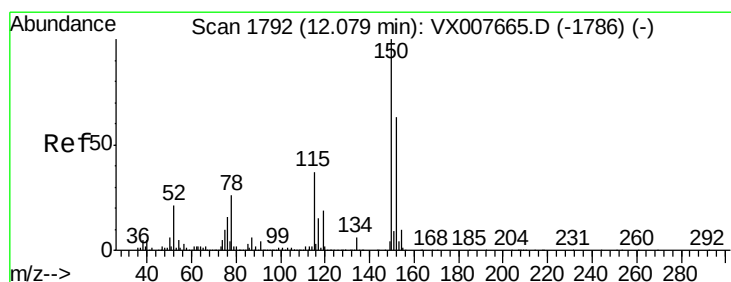
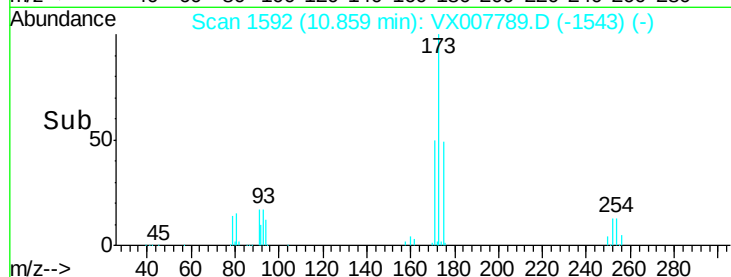
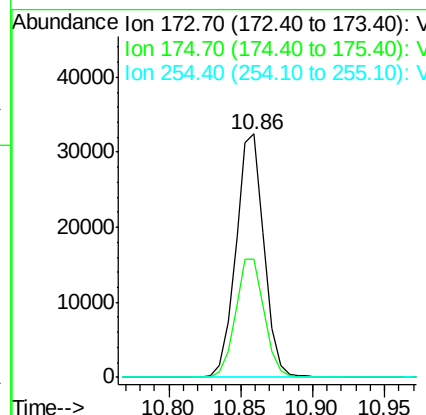
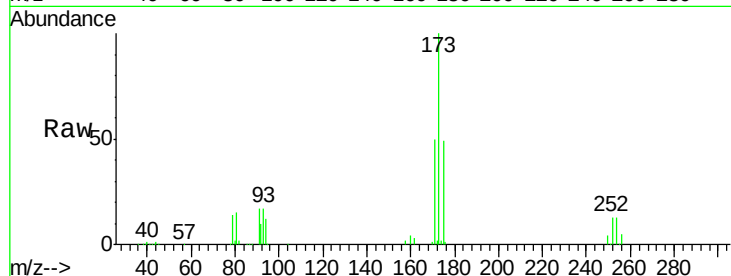
ClientSampleId :

VX0301MBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.2	72.6
254	0.1	0.2	0.2

Manual Integrations
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3/4/2019 1:36:17 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

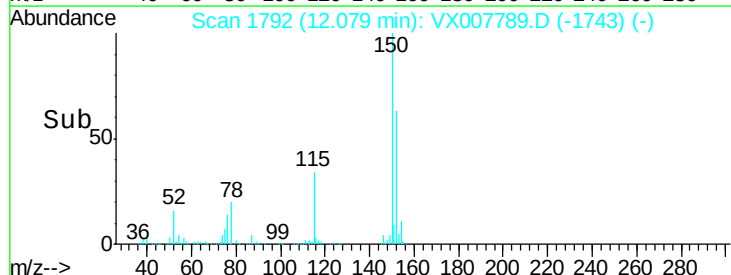
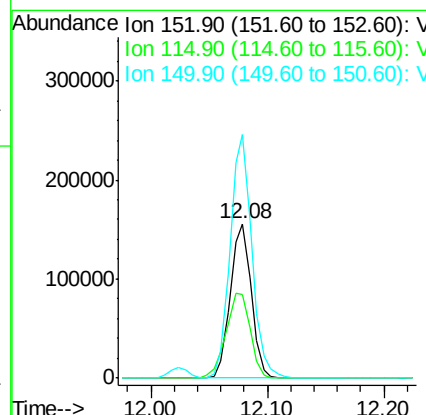
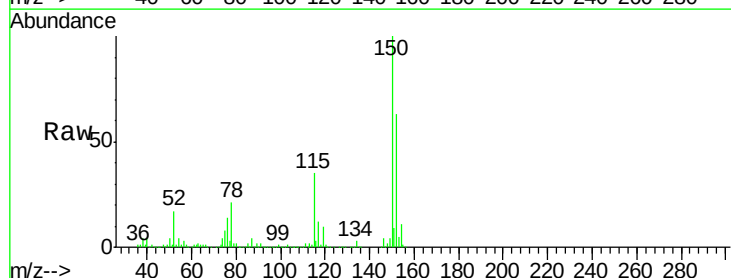
RT: 12.08 min Scan# 1792

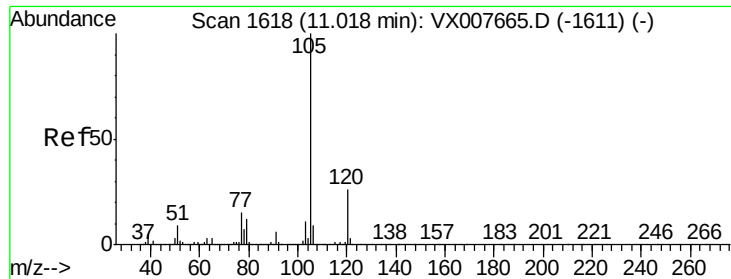
Delta R.T. -0.00 min

Lab File: VX007789.D

Acq: 01 Mar 2019 15:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.7	38.0	114.0
150	162.4	0.0	346.4





#73

Isopropylbenzene

Concen: 19.566 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007789.D

Acq: 01 Mar 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

VX0301MBSD01

Tot Ion:105 Resp: 271057

Ion Ratio Lower Upper

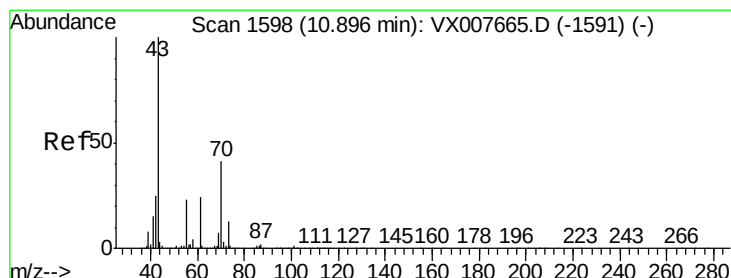
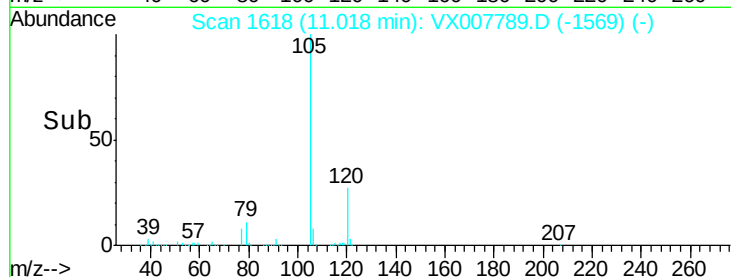
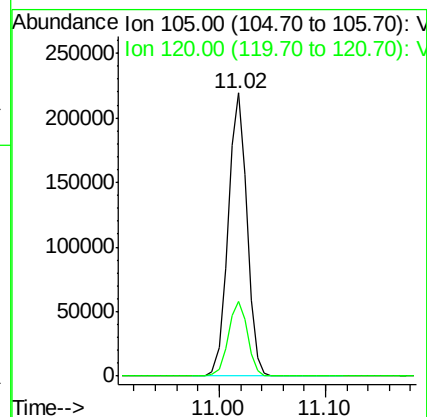
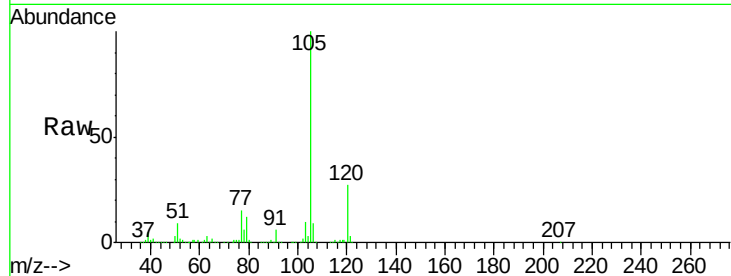
105 100

120 26.8 13.6 40.7

Manual Integrations
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#74

N-ethyl acetate

Concen: 20.171 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007789.D

Acq: 01 Mar 2019 15:00

Tgt Ion: 43 Resp: 121349

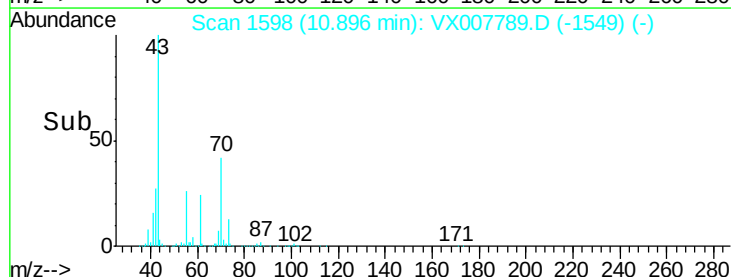
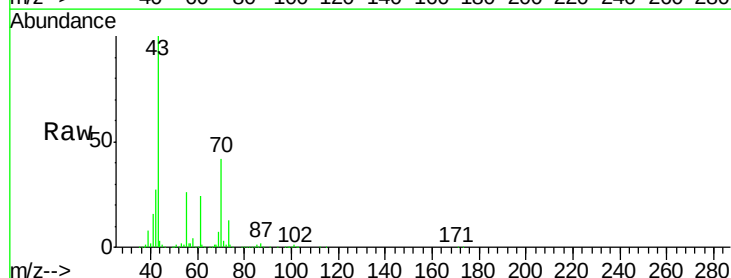
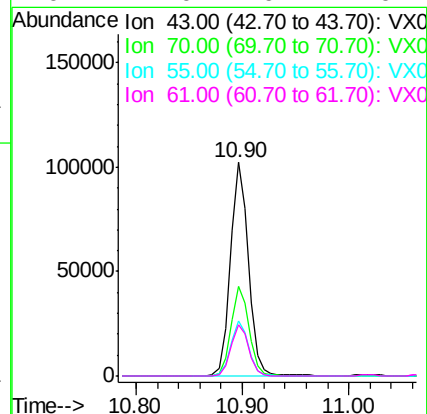
Ion Ratio Lower Upper

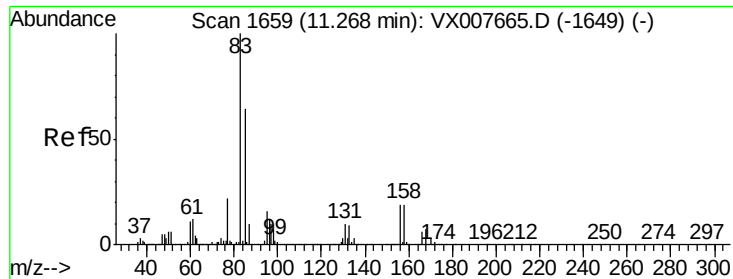
43 100

70 42.5 33.8 50.6

55 26.0 19.5 29.3

61 24.0 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 18.974 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007789.D

Acq: 01 Mar 2019 15:00

Instrument :

MSVOA_X

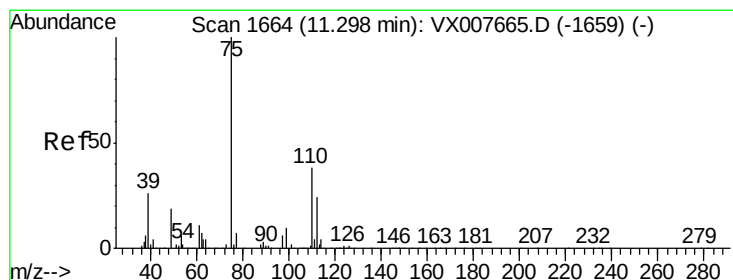
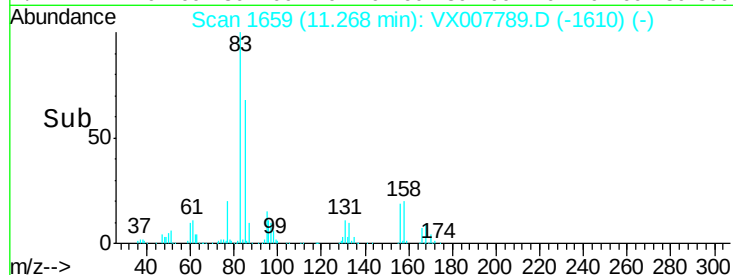
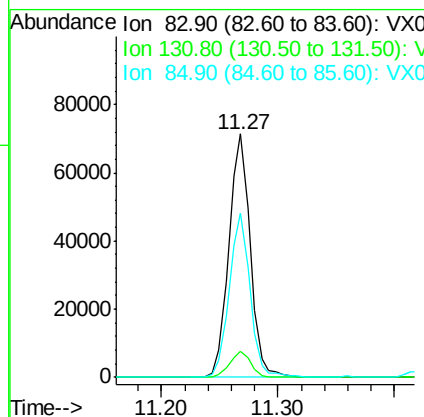
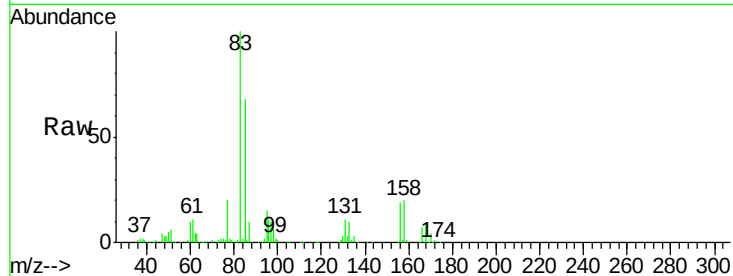
ClientSampleId :

VX0301MBSD01

Tot Ion:	83	Resp:	90914
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.7	17.0
85	65.8	32.8	98.3

Manual Integrations
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3/4/2019 1:36:17 PM



#76

1,2,3-Trichloropropane

Concen: 21.811 ug/l m

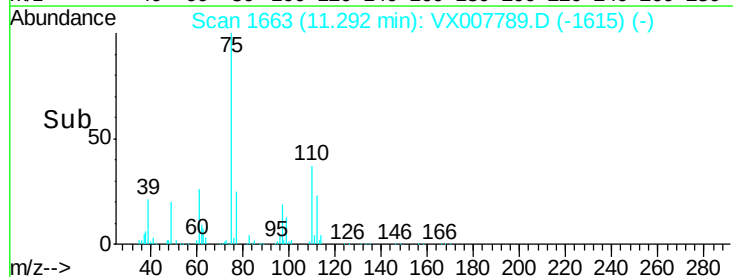
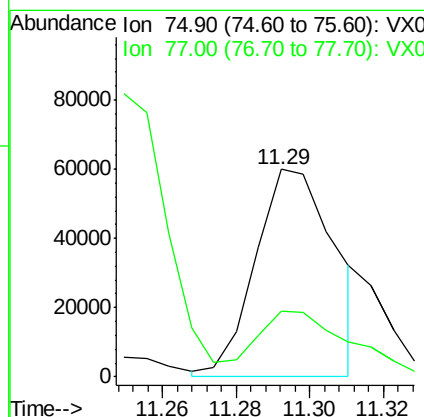
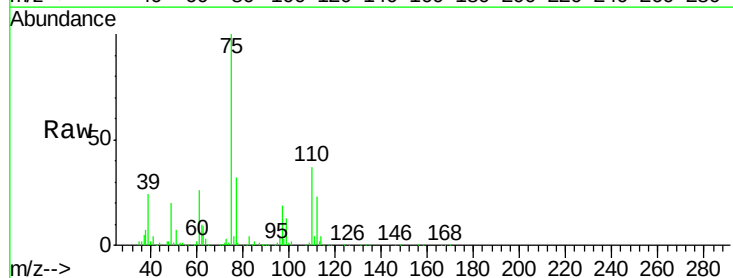
RT: 11.29 min Scan# 1663

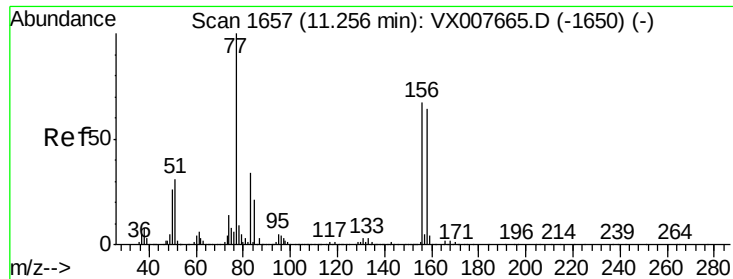
Delta R.T. -0.01 min

Lab File: VX007789.D

Acq: 01 Mar 2019 15:00

Tgt Ion:	75	Resp:	90118
Ion Ratio	Lower	Upper	
75	100		
77	37.7	23.0	69.0





#77

Bromobenzene

Concen: 21.086 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007789.D

Acq: 01 Mar 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

VX0301MBSD01

Tot Ion:156 Resp: 73271

Ion Ratio Lower Upper

156 100

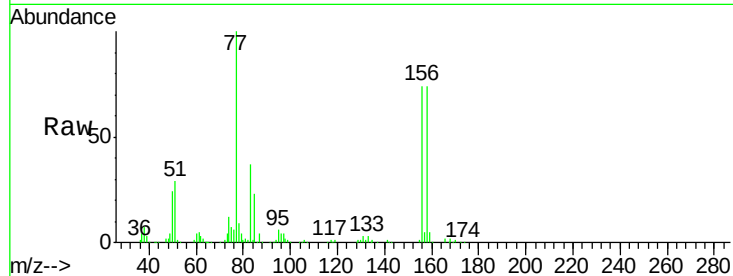
77 143.9 66.8 200.6

158 98.2 47.9 143.8

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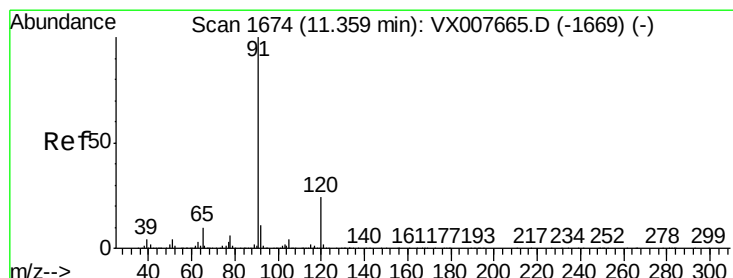
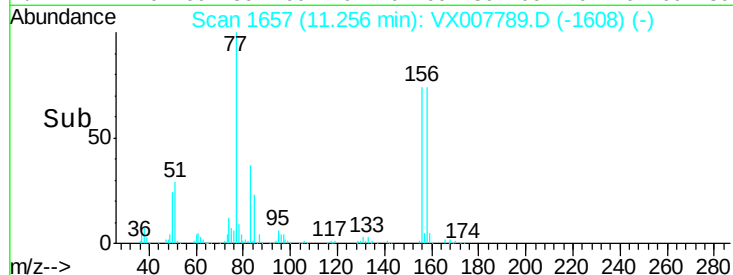
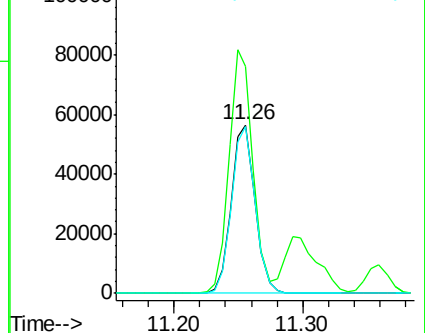
3/4/2019 1:36:17 PM



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: 19.244 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007789.D

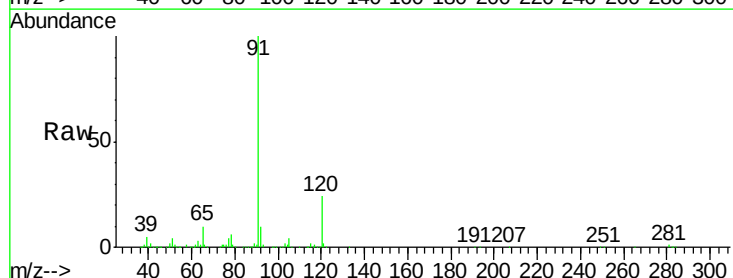
Acq: 01 Mar 2019 15:00

Tgt Ion: 91 Resp: 301263

Ion Ratio Lower Upper

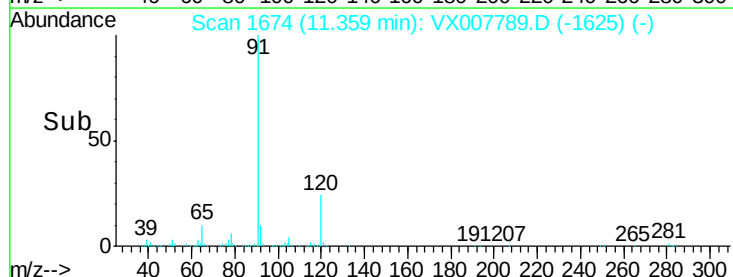
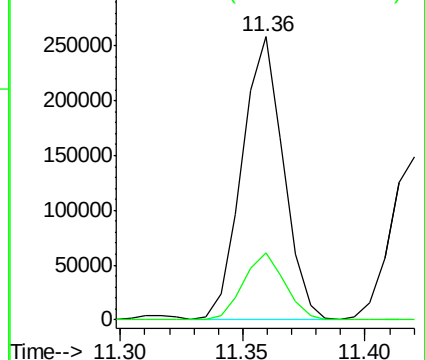
91 100

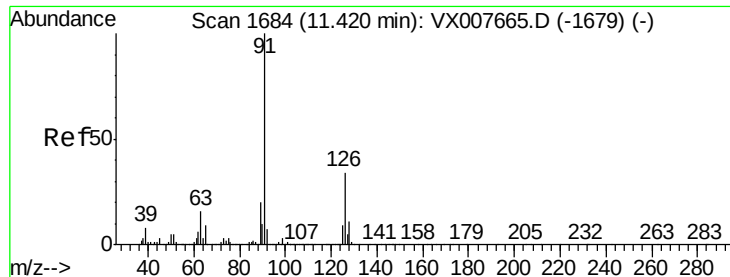
120 23.9 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





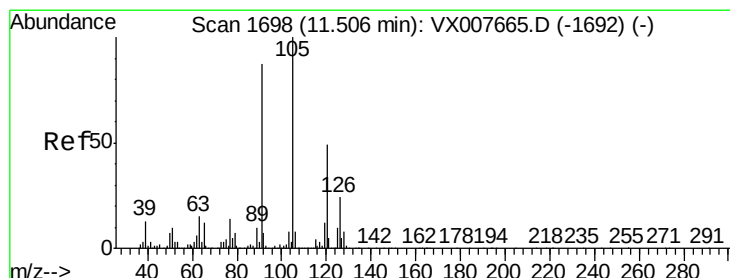
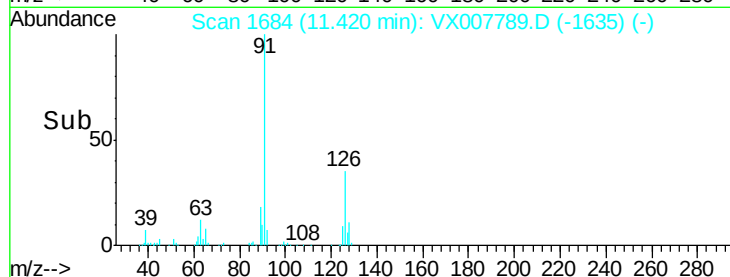
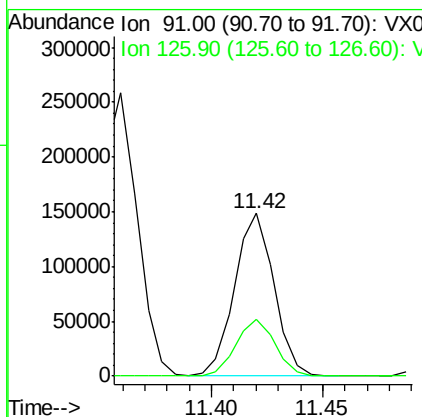
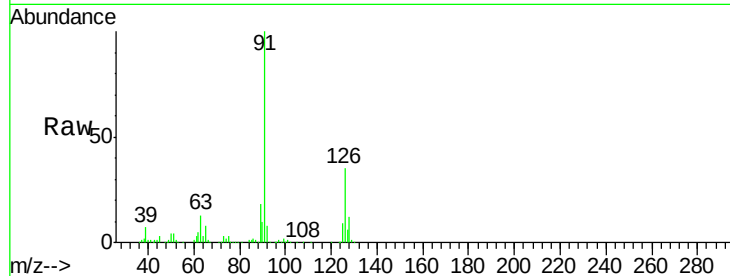
#79
 2-Chlorotoluene
 Concen: 19.332 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX007789.D
 Acq: 01 Mar 2019 15:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0301MBSD01

Tot Ion: 91 Resp: 182232
 Ion Ratio Lower Upper
 91 100
 126 35.2 18.7 56.1

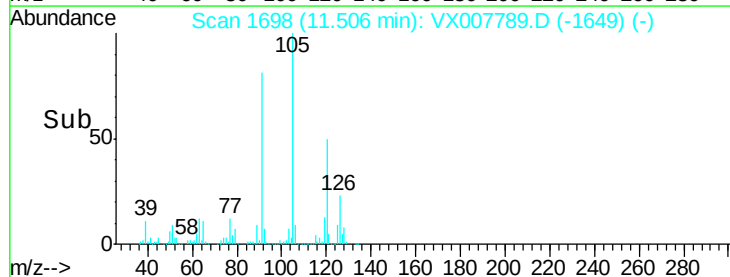
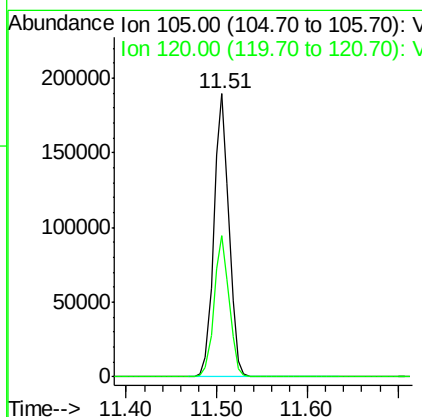
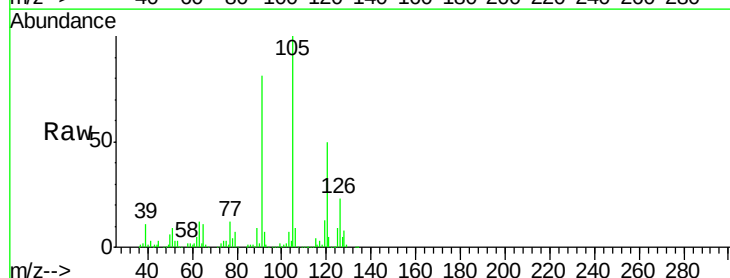
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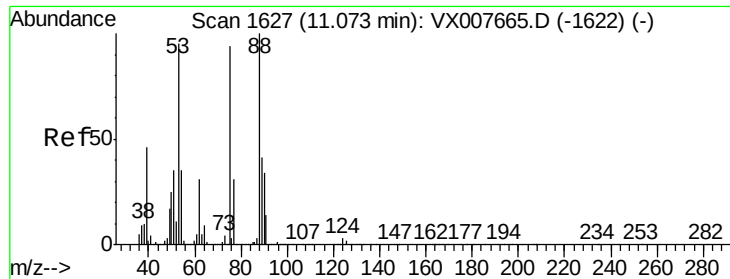
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.573 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX007789.D
 Acq: 01 Mar 2019 15:00

Tgt Ion: 105 Resp: 223046
 Ion Ratio Lower Upper
 105 100
 120 49.5 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 17.955 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007789.D

Acq: 01 Mar 2019 15:00

Instrument :

MSVOA_X

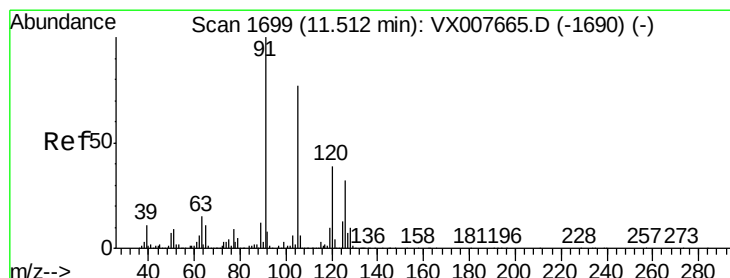
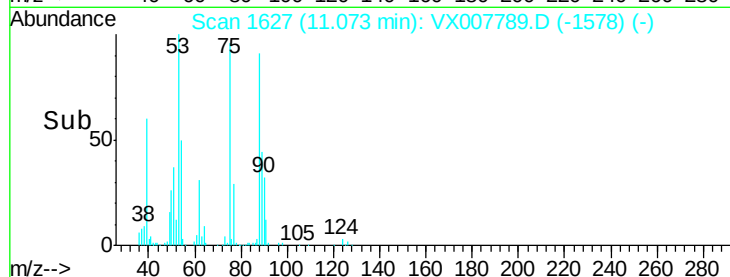
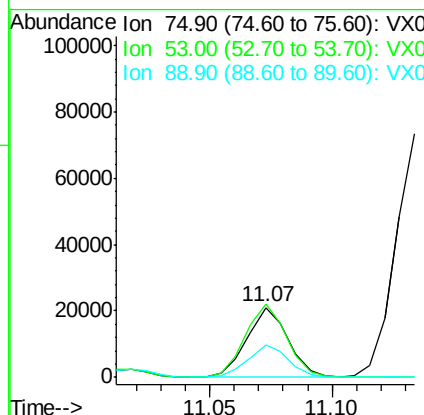
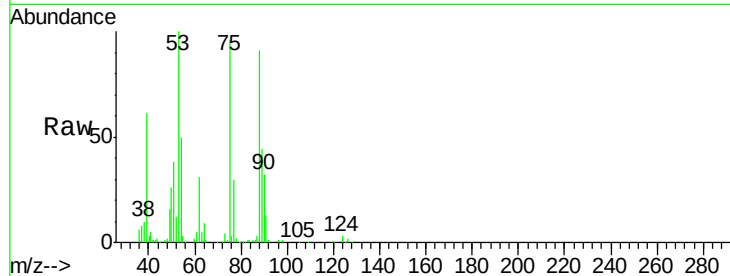
ClientSampleId :

VX0301MBS01

Tot Ion:	75	Resp:	24520
Ion	Ratio	Lower	Upper
75	100		
53	106.6	81.0	121.6
89	46.3	41.4	62.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.725 ug/l

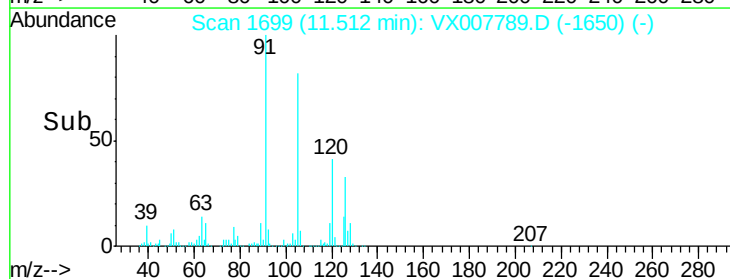
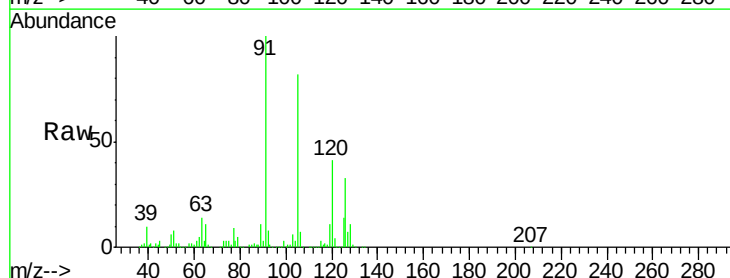
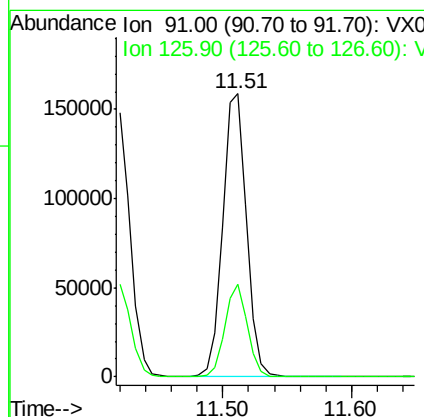
RT: 11.51 min Scan# 1699

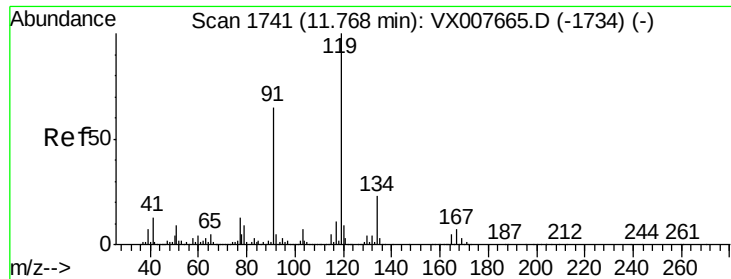
Delta R.T. -0.00 min

Lab File: VX007789.D

Acq: 01 Mar 2019 15:00

Tgt Ion:	91	Resp:	206486
Ion	Ratio	Lower	Upper
91	100		
126	31.0	16.2	48.5





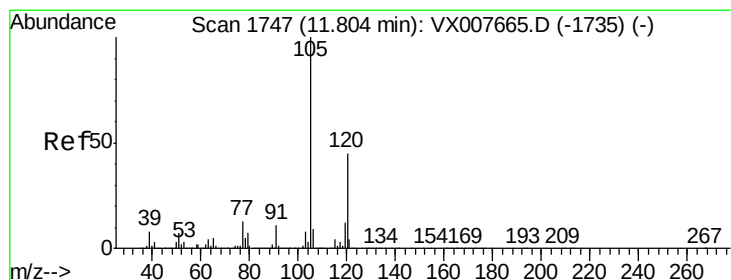
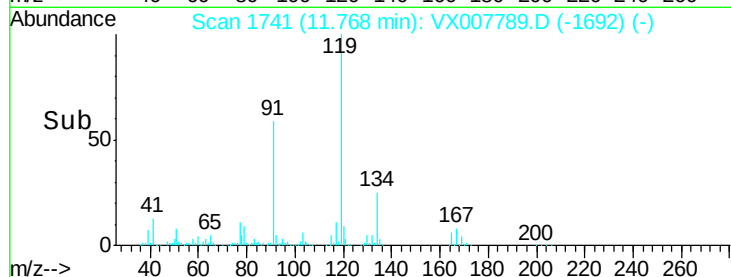
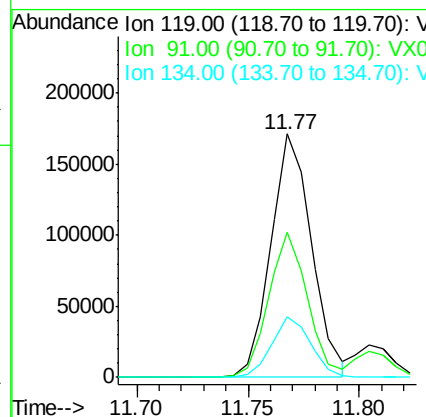
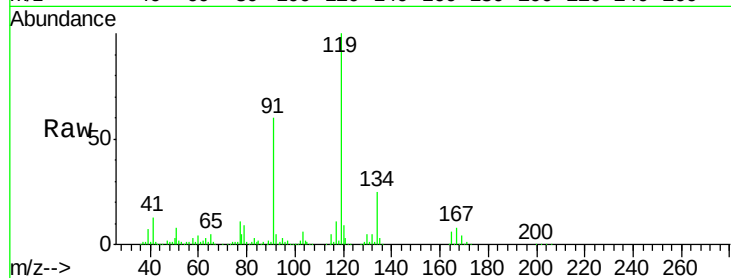
#83
tert-Butylbenzene
Concen: 19.919 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX007789.D
Acq: 01 Mar 2019 15:00

Instrument :
MSVOA_X
ClientSampleId :
VX0301MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	217937		
91	56.8	28.5	85.6	
134	23.9	12.0	36.0	

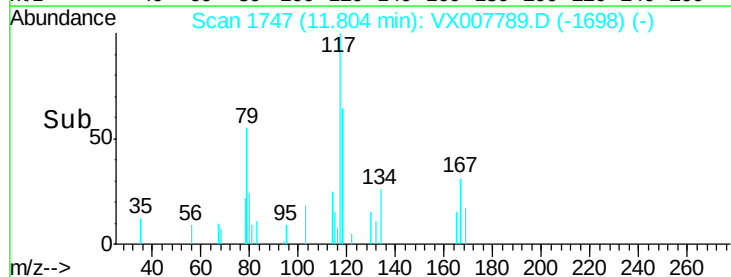
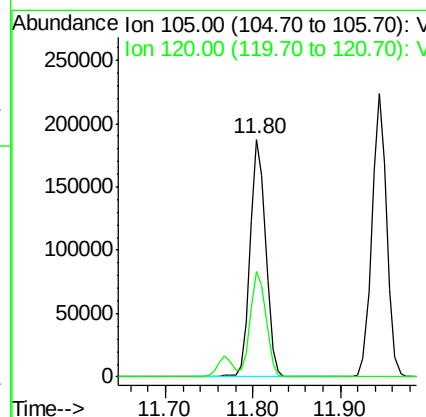
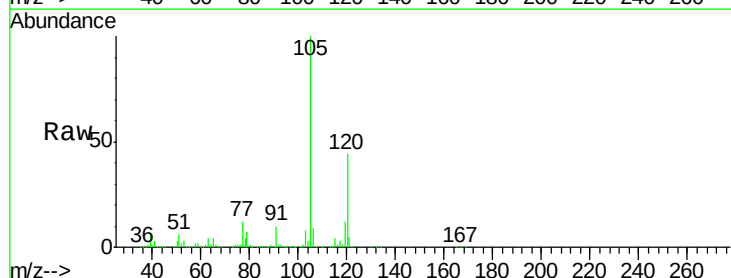
Manual Integrations
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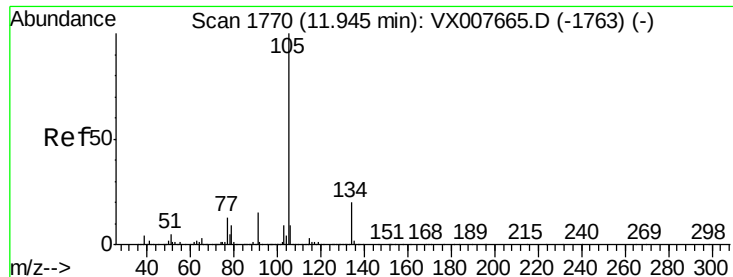
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 19.849 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX007789.D
Acq: 01 Mar 2019 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	231367		
120	44.2	23.1	69.3	





#85

sec-Butylbenzene

Concen: 19.393 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007789.D

Acq: 01 Mar 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

VX0301MBS01

Tot Ion:105 Resp: 265894

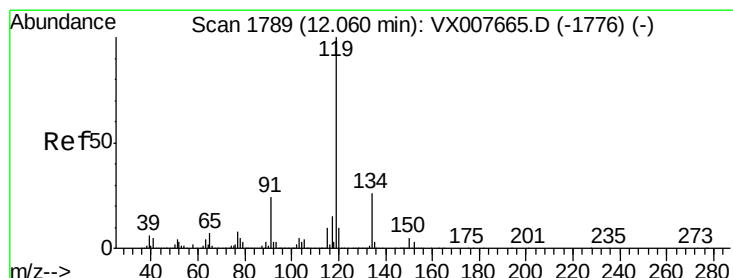
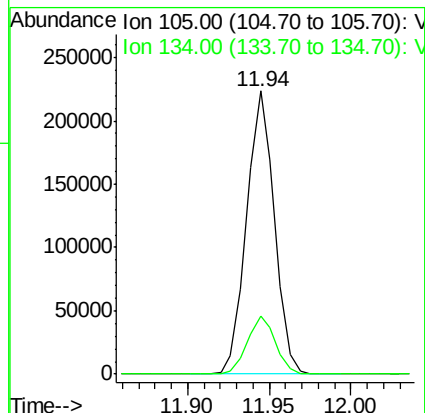
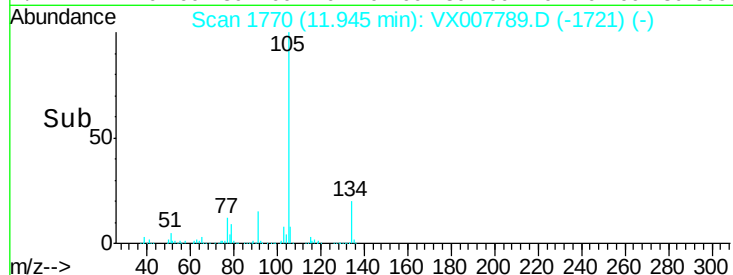
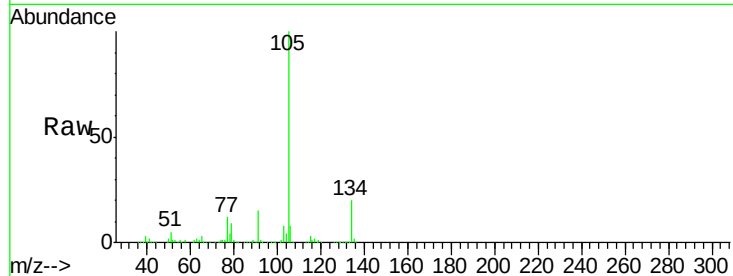
Ion Ratio Lower Upper

105 100

134 20.6 10.6 31.8

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 19.735 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX007789.D

Acq: 01 Mar 2019 15:00

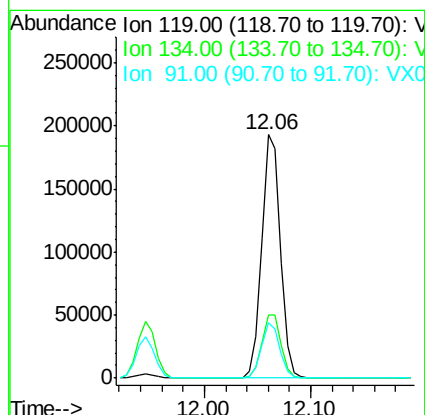
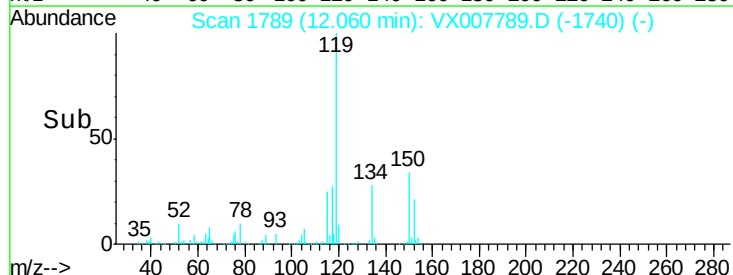
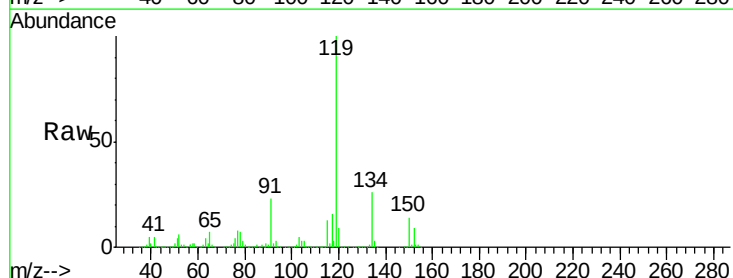
Tgt Ion:119 Resp: 236961

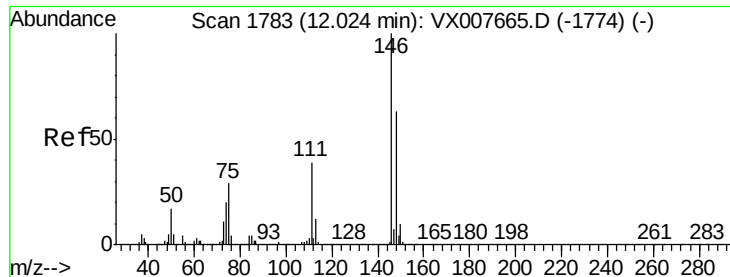
Ion Ratio Lower Upper

119 100

134 26.9 13.7 41.1

91 22.4 11.2 33.5





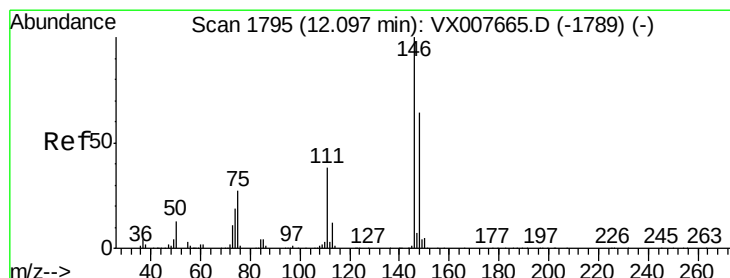
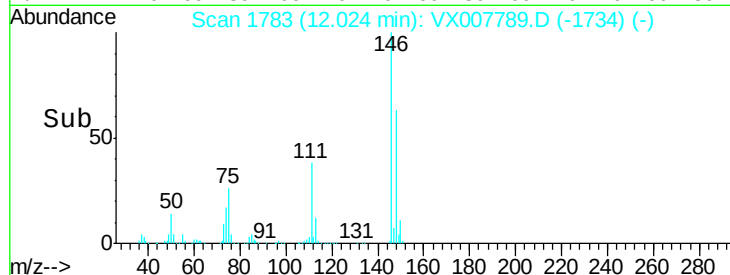
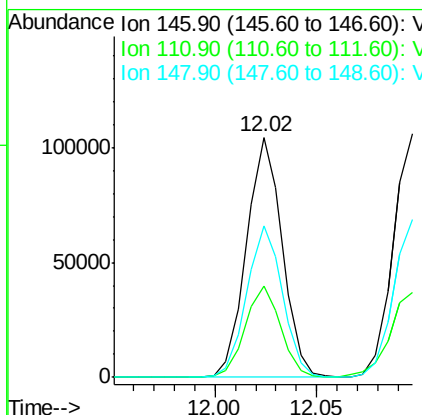
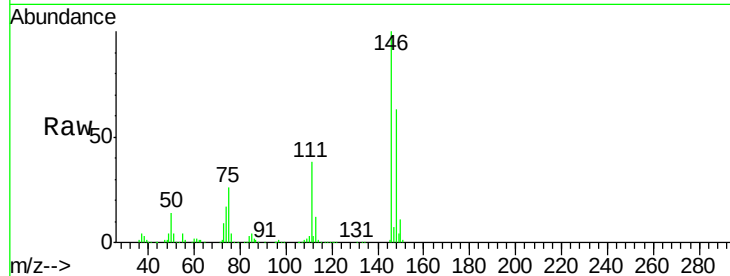
#87
 1,3-Dichlorobenzene
 Concen: 19.769 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX007789.D
 Acq: 01 Mar 2019 15:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0301MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.1	54.1
148	63.2	32.0	96.2

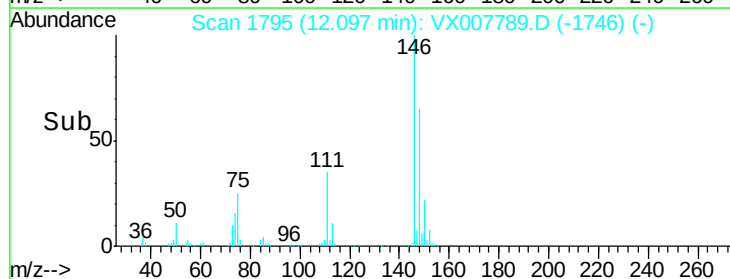
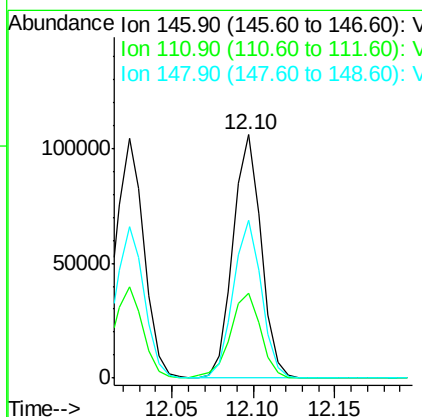
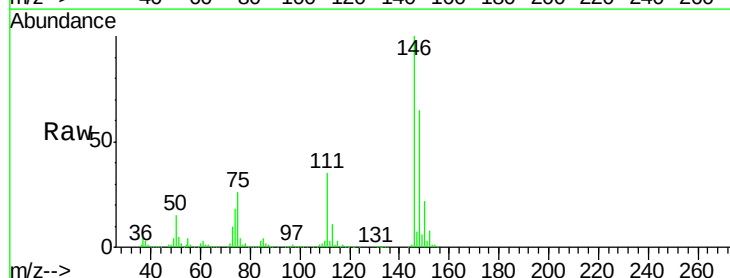
Manual Integrations
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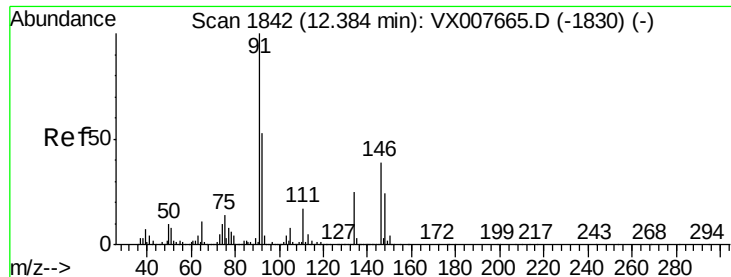
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#88
 1,4-Dichlorobenzene
 Concen: 19.247 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007789.D
 Acq: 01 Mar 2019 15:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.1	54.1
148	65.1	32.3	96.9





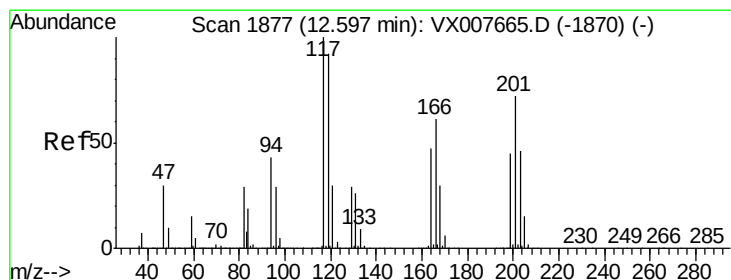
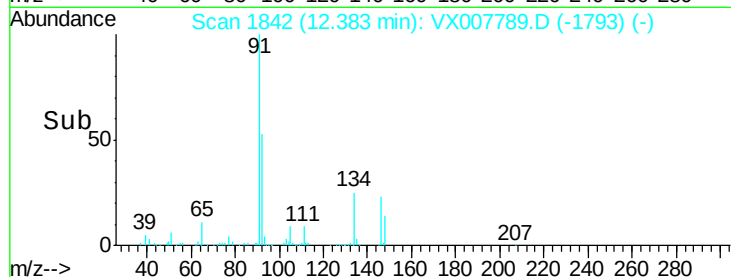
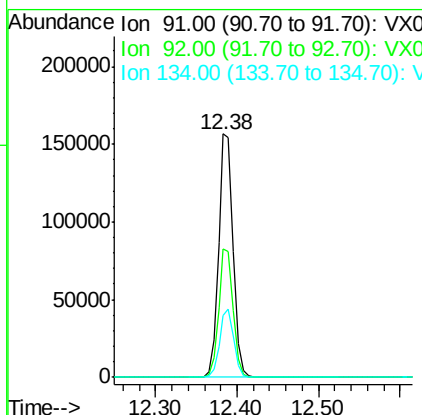
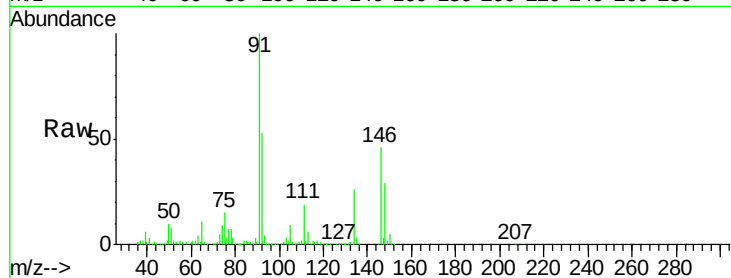
#89
n-Butylbenzene
Concen: 18.333 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX007789.D
Acq: 01 Mar 2019 15:00

Instrument :
MSVOA_X
ClientSampleId :
VX0301MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.3	78.9
134	27.1	13.9	41.6

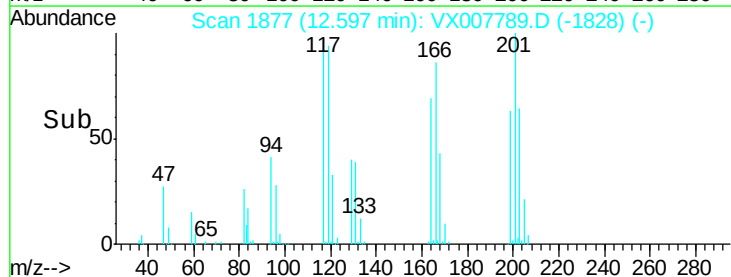
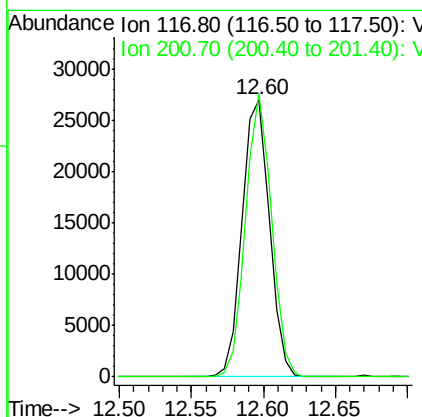
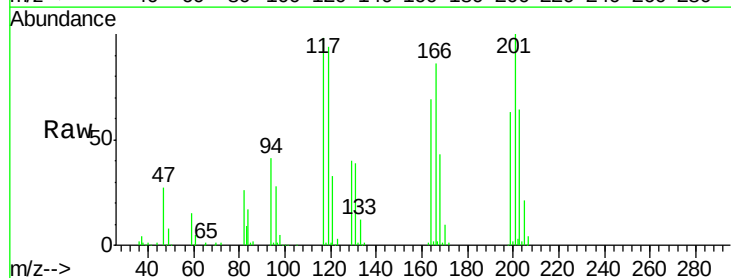
Manual Integrations
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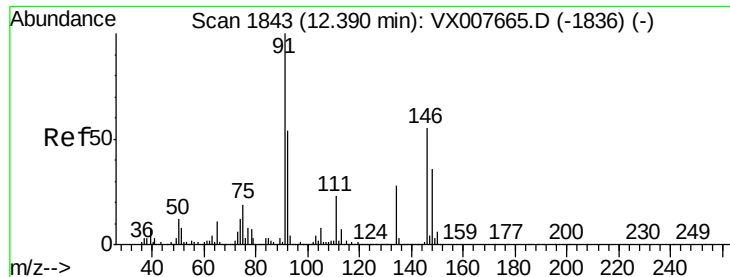
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#90
Hexachloroethane
Concen: 17.641 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX007789.D
Acq: 01 Mar 2019 15:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.3	44.9	134.7





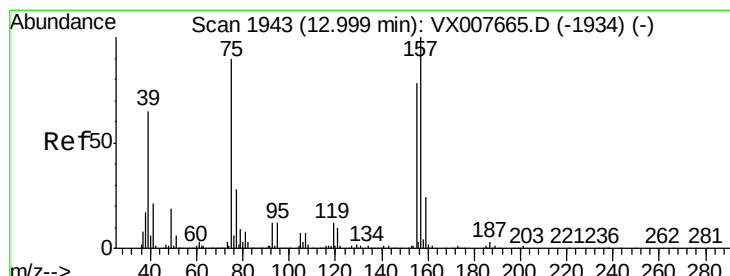
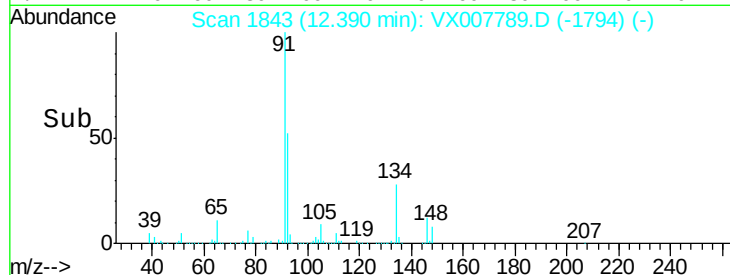
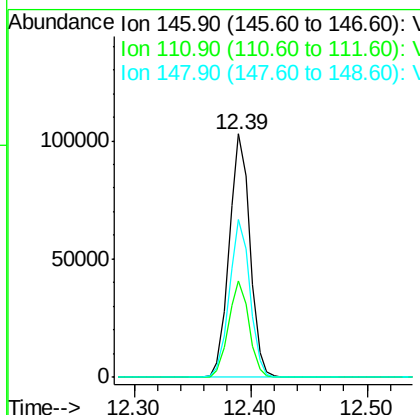
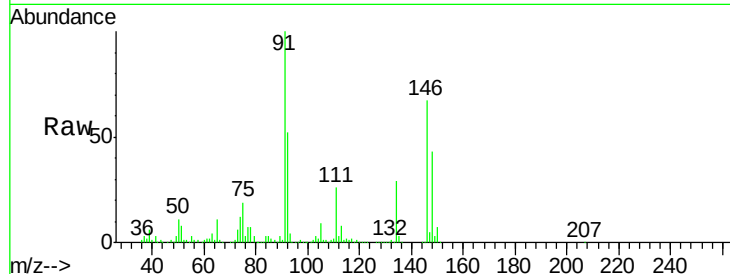
#91
 1,2-Dichlorobenzene
 Concen: 19.786 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX007789.D
 Acq: 01 Mar 2019 15:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0301MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	127602		
111	39.0	19.1	57.3	
148	64.1	32.1	96.3	

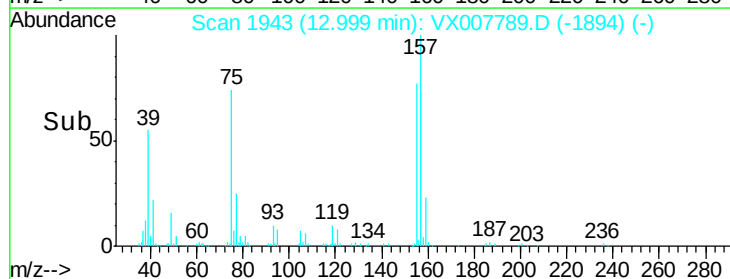
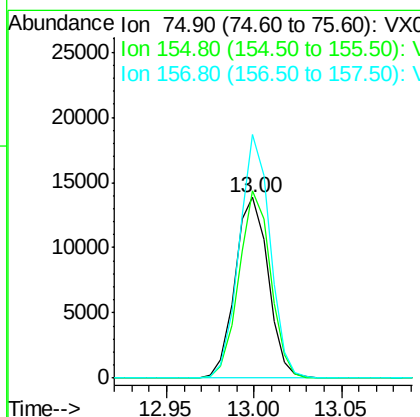
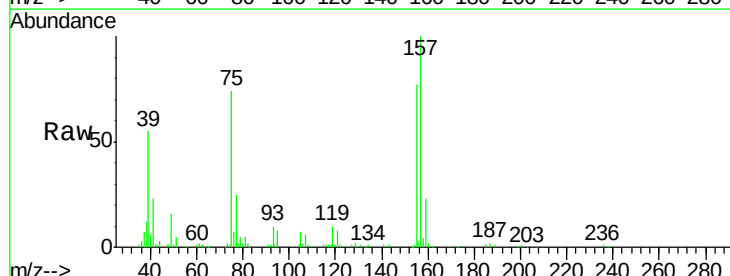
Manual Integrations
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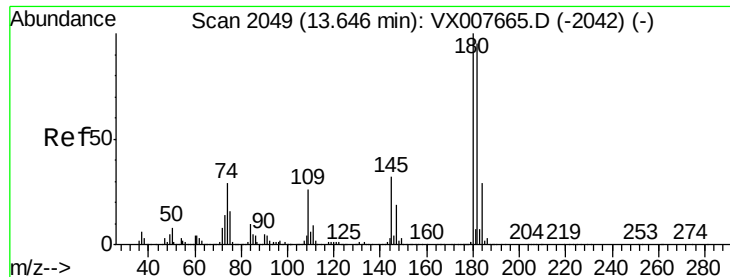
MMDadoda
 3/4/2019 1:36:17 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.490 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX007789.D
 Acq: 01 Mar 2019 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18260		
155	98.8	49.6	149.0	
157	125.7	65.1	195.3	





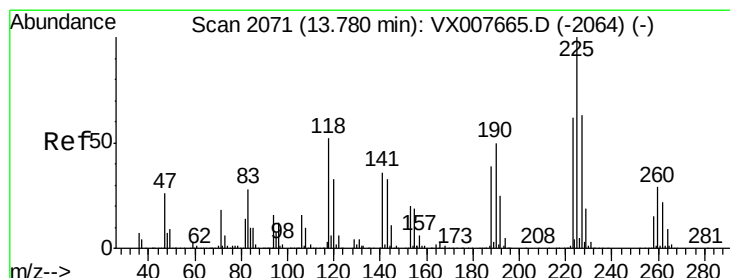
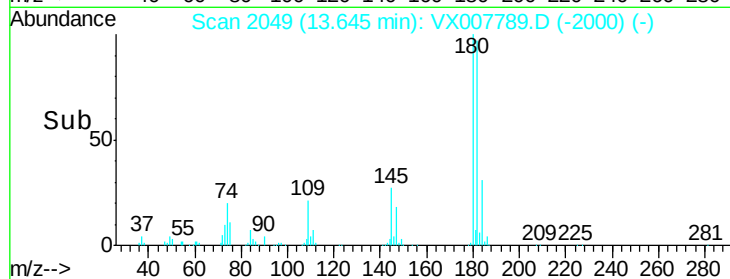
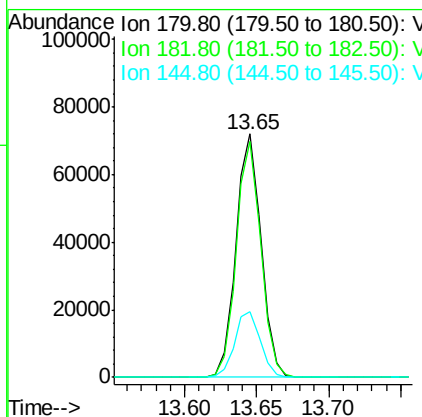
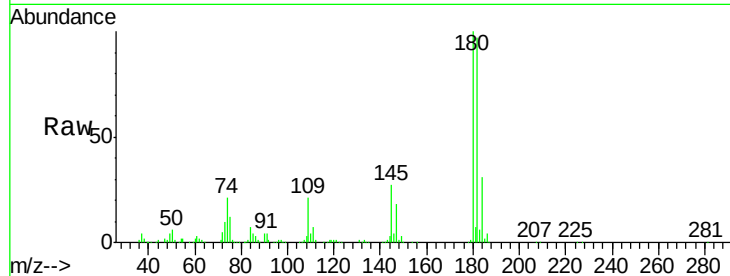
#93
 1,2,4-Trichlorobenzene
 Concen: 22.250 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX007789.D
 Acq: 01 Mar 2019 15:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0301MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	87589		
182	94.9	47.8	143.3	
145	27.8	14.1	42.2	

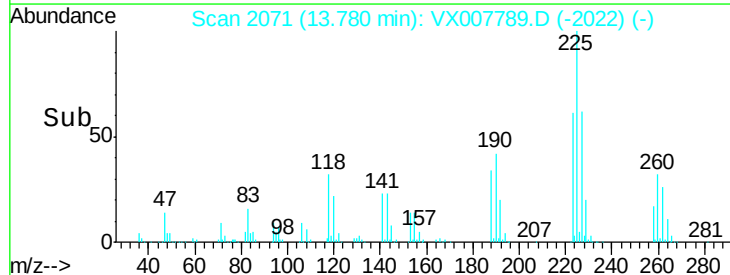
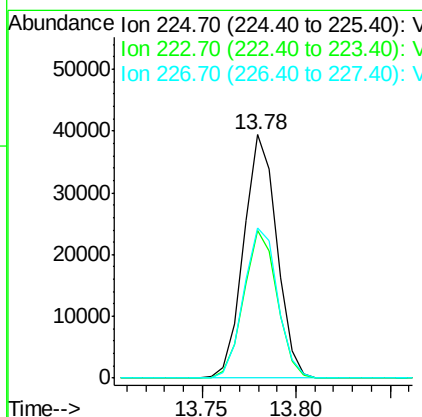
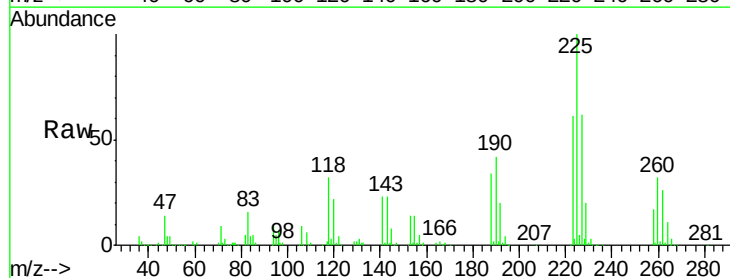
Manual Integrations
 APPROVED

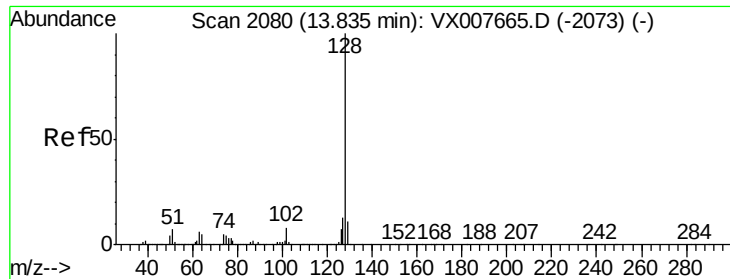
MMDadoda
 3/4/2019 1:36:17 PM



#94
 Hexachlorobutadiene
 Concen: 26.605 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX007789.D
 Acq: 01 Mar 2019 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	47912		
223	60.9	31.6	94.8	
227	63.2	32.1	96.3	





#95

Naphthalene

Concen: 20.469 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007789.D

Acq: 01 Mar 2019 15:00

Instrument :

MSVOA_X

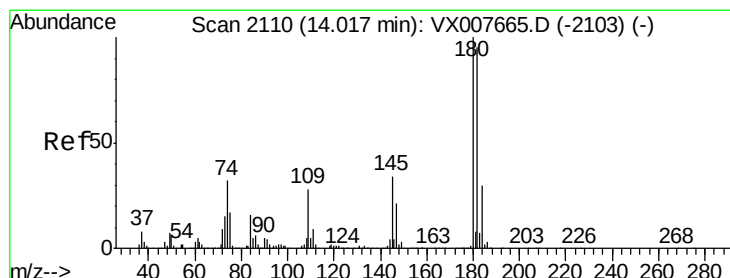
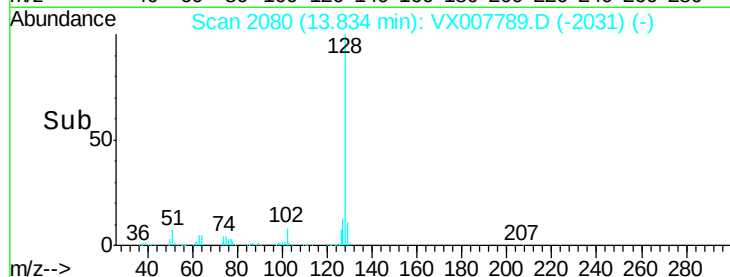
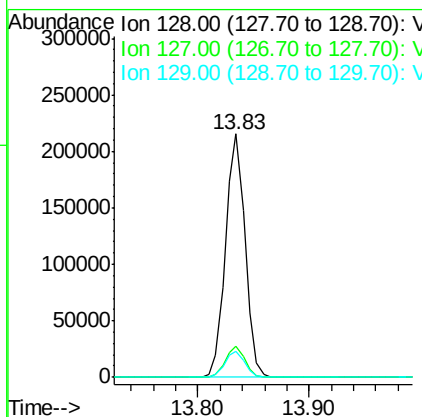
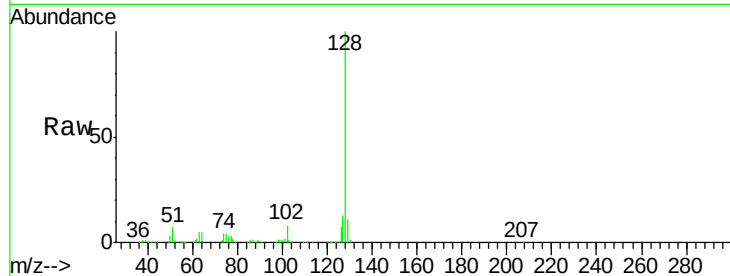
ClientSampleId :

VX0301MBS01

Tot Ion:	128	Resp:	261067
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.5	15.7
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/4/2019 1:36:17 PM



#96

1,2,3-Trichlorobenzene

Concen: 22.220 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX007789.D

Acq: 01 Mar 2019 15:00

Tgt Ion:	180	Resp:	87828
Ion Ratio	Lower	Upper	
180	100		
182	96.4	47.5	142.6
145	30.4	14.9	44.5

