

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030819\
 Data File : VX007937.D
 Acq On : 08 Mar 2019 18:15
 Operator : JC/SP
 Sample : VX0308WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0308WBS02

Manual Integrations
 APPROVED

MMDadoda
 3/11/2019 12:02:20 PM

Quant Time: Mar 09 05:18:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	279709	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	395865	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	356008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	182865	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	138749	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	
35) Dibromofluoromethane	5.50	113	123022	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
50) Toluene-d8	8.71	98	470834	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
62) 4-Bromofluorobenzene	11.13	95	172002	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	45172	18.903	ug/l	98
3) Chloromethane	1.33	50	59144	19.205	ug/l	99
4) Vinyl Chloride	1.41	62	59016	19.287	ug/l	100
5) Bromomethane	1.64	94	34130	23.163	ug/l	97
6) Chloroethane	1.73	64	37046	18.224	ug/l	99
7) Trichlorofluoromethane	1.93	101	76092	19.100	ug/l	98
8) Diethyl Ether	2.19	74	32447	18.808	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	48707	19.729	ug/l	99
10) Methyl Iodide	2.51	142	67837	19.368	ug/l	99
11) Tert butyl alcohol	3.06	59	63716	96.559	ug/l	100
12) 1,1-Dichloroethene	2.38	96	44886	18.861	ug/l	98
13) Acrolein	2.30	56	26319	71.587	ug/l	99
14) Allyl chloride	2.73	41	92764	18.550	ug/l	100
15) Acrylonitrile	3.15	53	156114	93.730	ug/l	100
16) Acetone	2.45	43	152494	89.289	ug/l	99
17) Carbon Disulfide	2.57	76	138551	18.892	ug/l	99
18) Methyl Acetate	2.78	43	70529	19.439	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	158906	19.409	ug/l	99
20) Methylene Chloride	2.86	84	52039	19.146	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	48560	18.545	ug/l	97
22) Diisopropyl ether	3.87	45	173613	18.939	ug/l	97
23) Vinyl Acetate	3.82	43	745592	92.752	ug/l	99
24) 1,1-Dichloroethane	3.70	63	94482	19.153	ug/l	99
25) 2-Butanone	4.70	43	222178	91.889	ug/l	99
26) 2,2-Dichloropropane	4.58	77	60304	18.452	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	55862	18.643	ug/l	99
28) Bromochloromethane	5.02	49	43903	19.090	ug/l	99
29) Tetrahydrofuran	5.15	42	139965	92.803	ug/l	99
30) Chloroform	5.21	83	89040	19.081	ug/l	99
31) Cyclohexane	5.57	56	87648	19.332	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	73221	18.912	ug/l	99
36) 1,1-Dichloropropene	5.80	75	68833	19.203	ug/l	100
37) Ethyl Acetate	4.85	43	79199	18.619	ug/l	99
38) Carbon Tetrachloride	5.78	117	63496	18.659	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	87882	20.233	ug/l	96
40) Benzene	6.14	78	209188	19.603	ug/l	98
41) Methacrylonitrile	5.06	41	43990	18.968	ug/l	99
42) 1,2-Dichloroethane	6.20	62	67186	19.252	ug/l	99
43) Isopropyl Acetate	6.46	43	121491	19.299	ug/l	99
44) Trichloroethene	7.21	130	57454	19.537	ug/l	97
45) 1,2-Dichloropropane	7.51	63	55025	19.523	ug/l	99
46) Dibromomethane	7.66	93	34739	19.476	ug/l	99
47) Bromodichloromethane	7.90	83	63308	18.721	ug/l	96
48) Methyl methacrylate	7.77	41	63791	19.273	ug/l	98
49) 1,4-Dioxane	7.74	88	26279	386.508	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	407301	100.605	ug/l	100
52) Toluene	8.78	92	130820	20.080	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	66956	18.969	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	77391	19.416	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	53326	20.220	ug/l	97
56) Ethyl methacrylate	9.18	69	79869	20.170	ug/l	99
57) 1,3-Dichloropropane	9.37	76	88457	19.975	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	199941	97.611	ug/l	99
59) 2-Hexanone	9.49	43	310914	98.917	ug/l	100
60) Dibromochloromethane	9.58	129	53227	19.309	ug/l	100
61) 1,2-Dibromoethane	9.67	107	55442	19.800	ug/l	100
64) Tetrachloroethene	9.34	164	58854	19.949	ug/l	99
65) Chlorobenzene	10.13	112	146477	19.662	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	51186	19.171	ug/l	99
67) Ethyl Benzene	10.25	91	247247	20.162	ug/l	100
68) m/p-Xylenes	10.36	106	189865	40.168	ug/l	99
69) o-Xylene	10.69	106	91461	20.042	ug/l	99
70) Styrene	10.71	104	150786	20.192	ug/l	99
71) Bromoform	10.85	173	41942	18.292	ug/l #	100
73) Isopropylbenzene	11.02	105	249274	20.156	ug/l	100
74) N-amyl acetate	10.90	43	104690	18.542	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	79846	18.717	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	76475m	19.930	ug/l	
77) Bromobenzene	11.26	156	66015	19.469	ug/l	100
78) n-propylbenzene	11.36	91	278449	20.295	ug/l	99
79) 2-Chlorotoluene	11.42	91	167292	19.942	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	205474	20.186	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	21183	17.646	ug/l	93
82) 4-Chlorotoluene	11.51	91	188970	19.656	ug/l	99
83) tert-Butylbenzene	11.77	119	200333	19.538	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	210431	20.166	ug/l	100
85) sec-Butylbenzene	11.94	105	248401	20.570	ug/l	99
86) p-Isopropyltoluene	12.06	119	220742	20.411	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	117520	19.591	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	117073	19.057	ug/l	99
89) n-Butylbenzene	12.39	91	187096	20.420	ug/l	99
90) Hexachloroethane	12.60	117	33961	18.782	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	115709	19.417	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15628	17.529	ug/l	99

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Quant Title : SW846 8260
QLast Update : Thu Mar 07 07:33:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	82322	19.664	ug/l	99
94) Hexachlorobutadiene	13.78	225	45683	20.872	ug/l	98
95) Naphthalene	13.83	128	230677	19.124	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	81085	19.443	ug/l	98

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

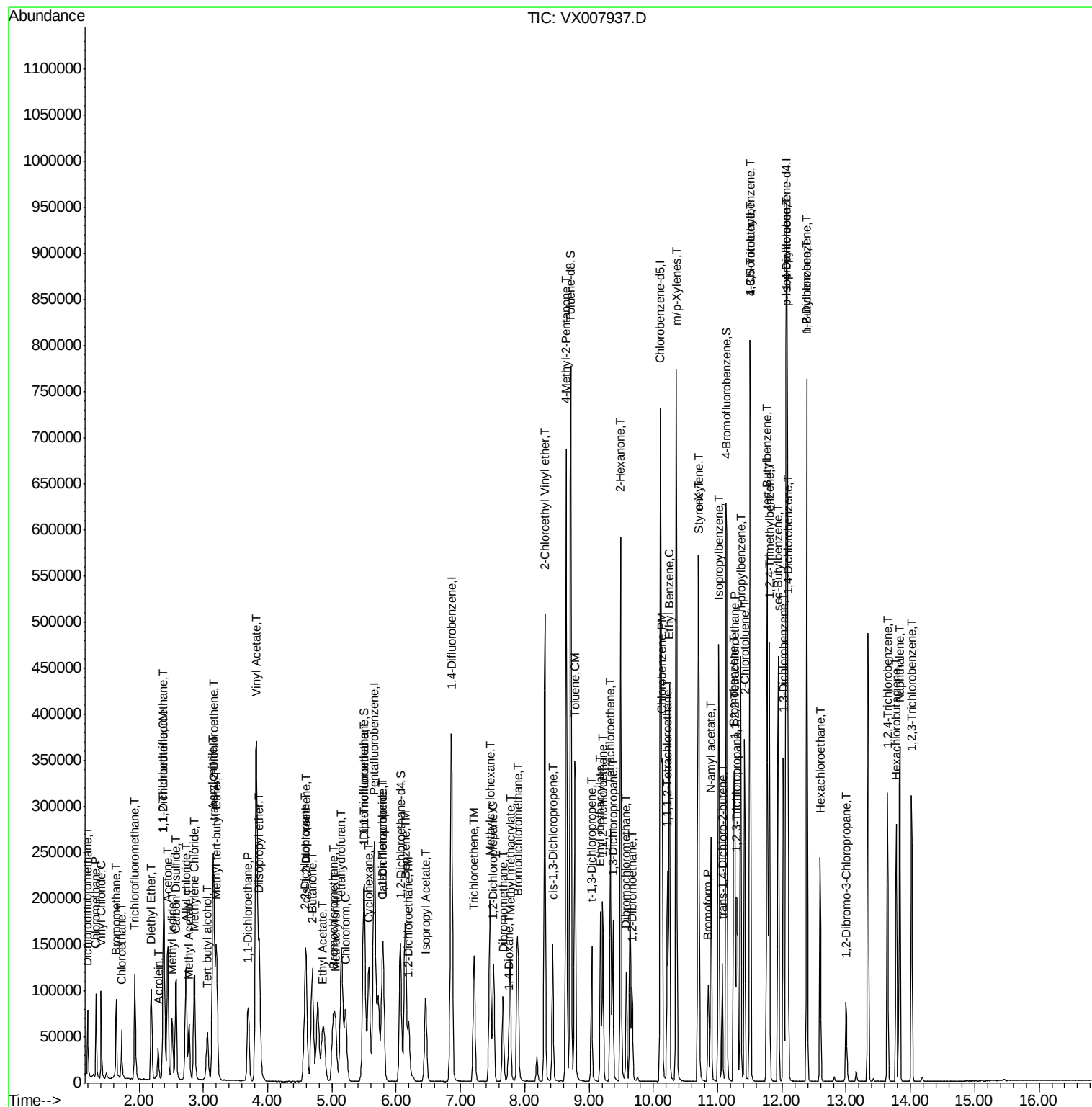
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Data File : VX007937.D
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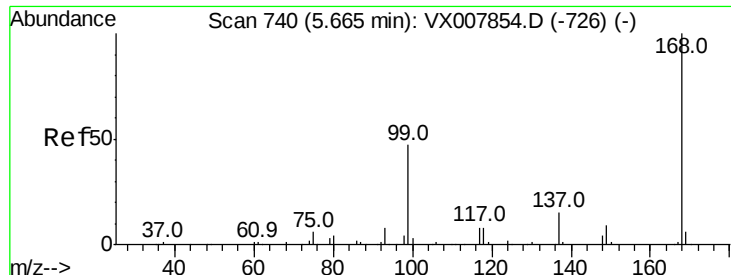
Instrument :
MSVOA_X
Client Sampled :
VX0308WBS02

Manual Integrations
APPROVED

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Quant Title : SW846 8260
QLast Update : Thu Mar 07 07:33:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007937.D

Acq: 08 Mar 2019 18:15

Instrument :

MSVOA_X

ClientSampled :

VX0308WBS02

Tot Ion:168 Resp: 279709

Ion Ratio Lower Upper

168 100

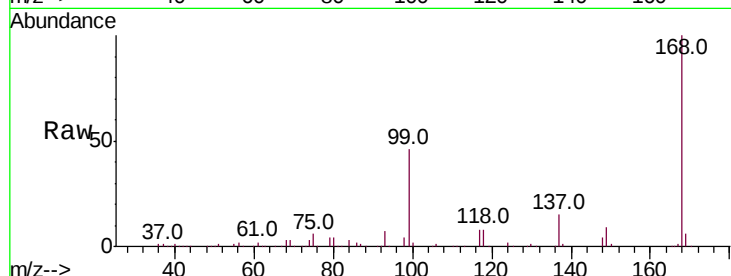
99 46.4 37.6 56.4

Manual Integrations

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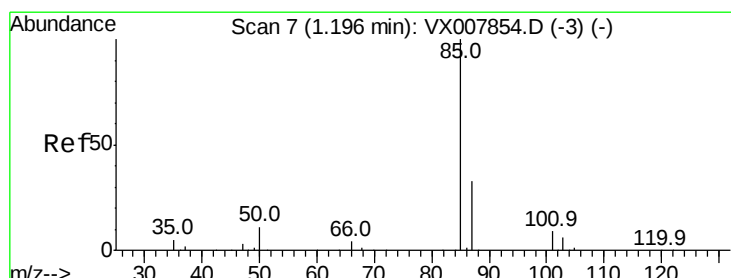
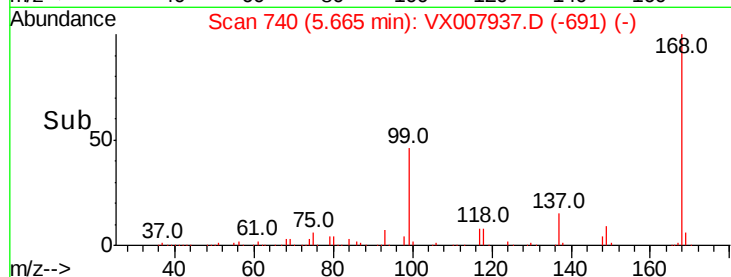
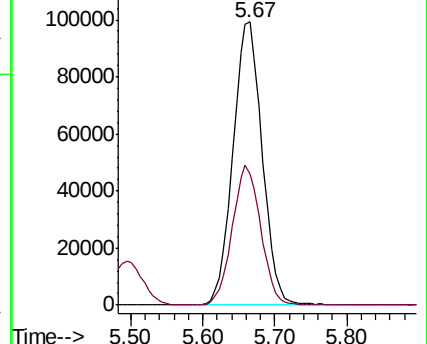
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 18.903 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007937.D

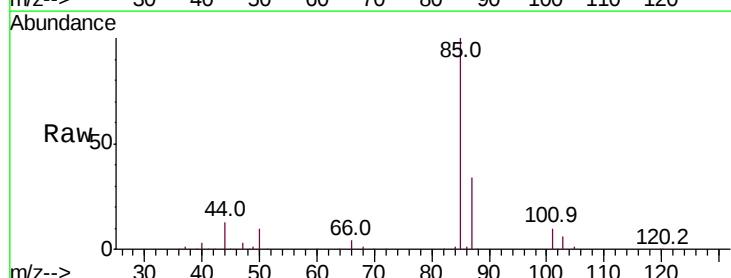
Acq: 08 Mar 2019 18:15

Tgt Ion: 85 Resp: 45172

Ion Ratio Lower Upper

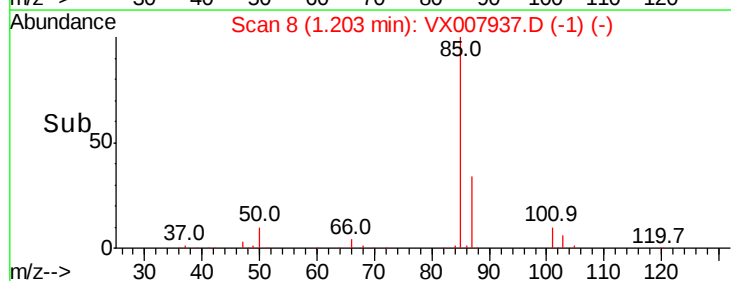
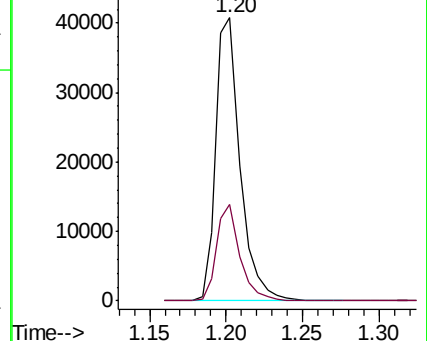
85 100

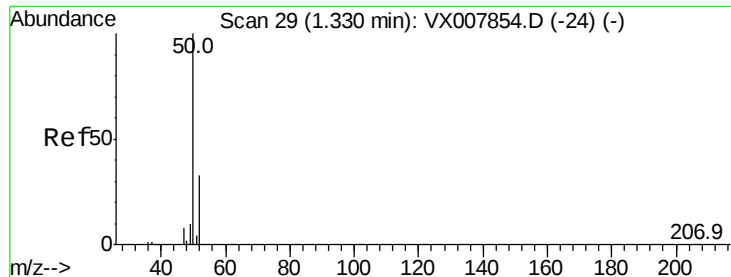
87 34.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 19.205 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007937.D

Acq: 08 Mar 2019 18:15

Instrument :

MSVOA_X

ClientSampleId :

VX0308WBS02

Tot Ion: 50 Resp: 59144

Ion Ratio Lower Upper

50 100

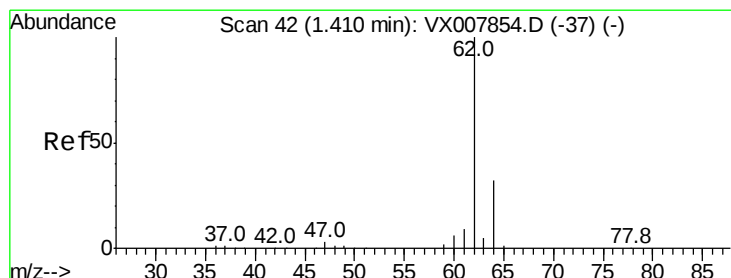
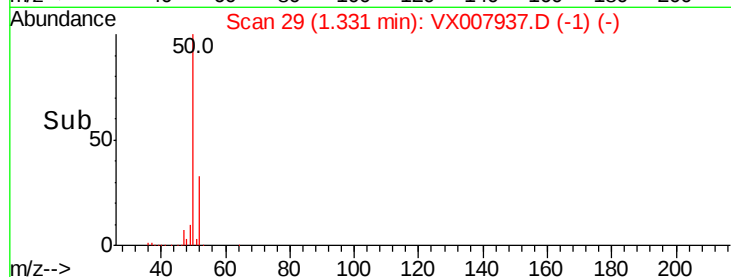
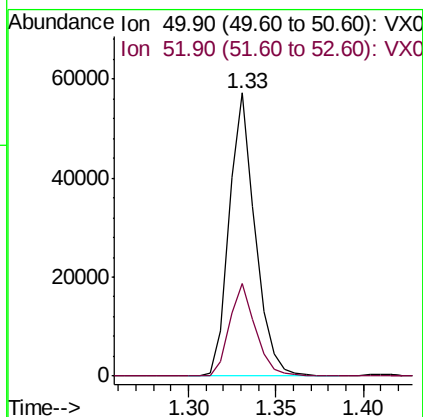
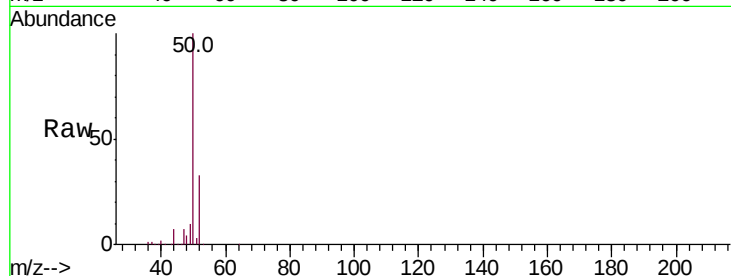
52 32.6 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.287 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007937.D

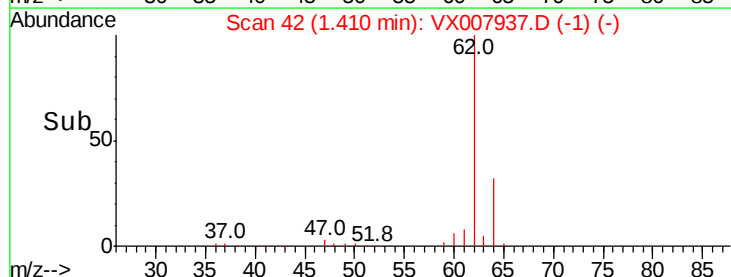
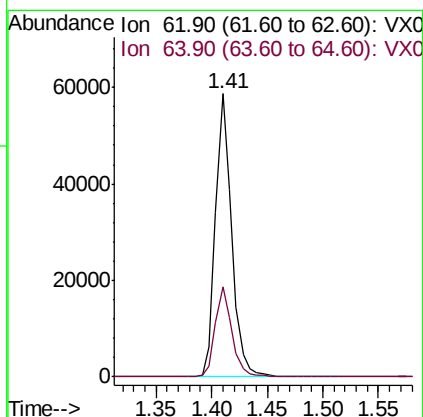
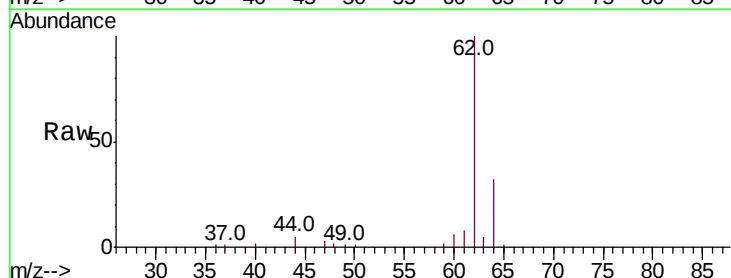
Acq: 08 Mar 2019 18:15

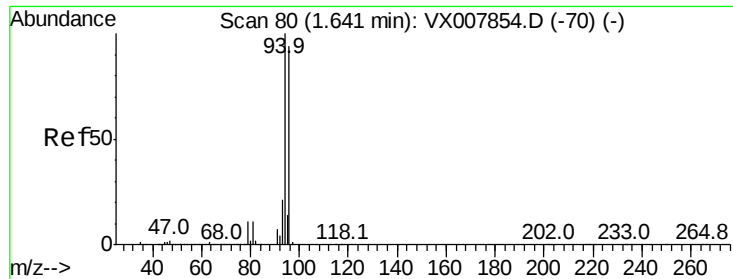
Tgt Ion: 62 Resp: 59016

Ion Ratio Lower Upper

62 100

64 31.6 25.3 37.9





#5

Bromomethane

Concen: 23.163 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007937.D

Acq: 08 Mar 2019 18:15

Instrument :

MSVOA_X

ClientSampleId :

VX0308WBS02

Tot Ion: 94 Resp: 34130

Ion Ratio Lower Upper

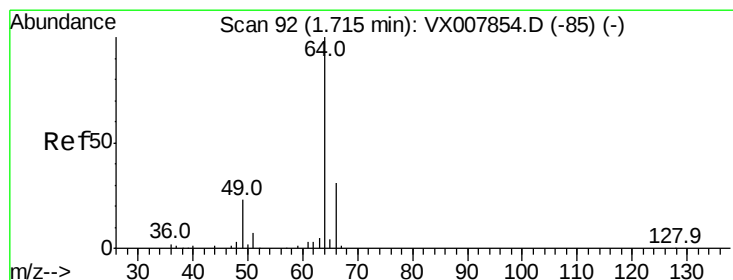
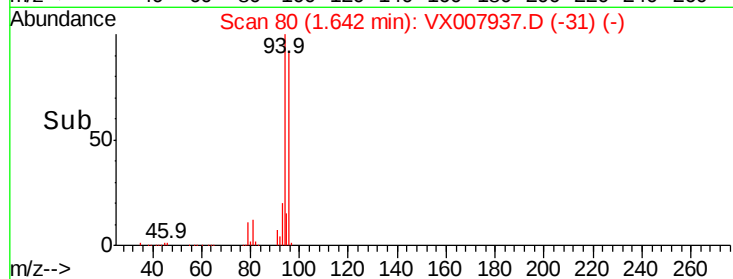
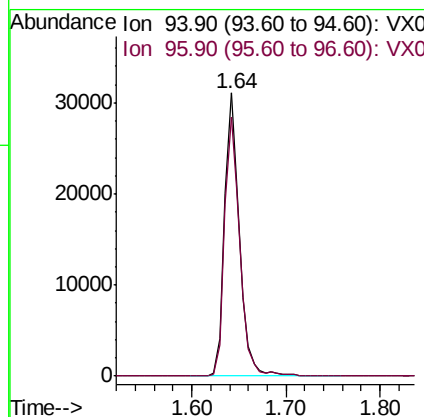
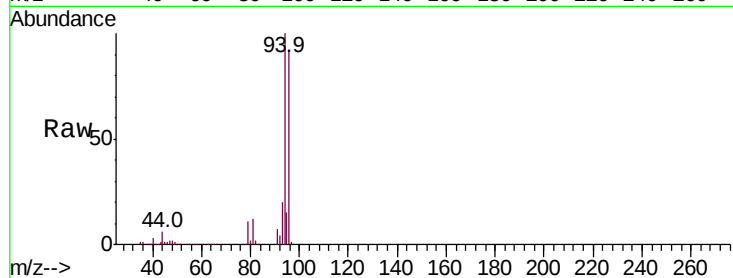
94 100

96 91.5 75.5 113.3

Manual Integrations
APPROVED

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#6

Chloroethane

Concen: 18.224 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX007937.D

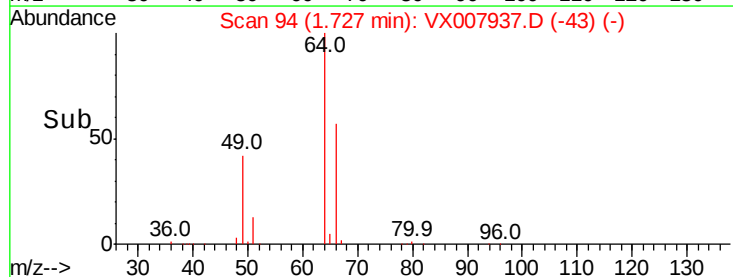
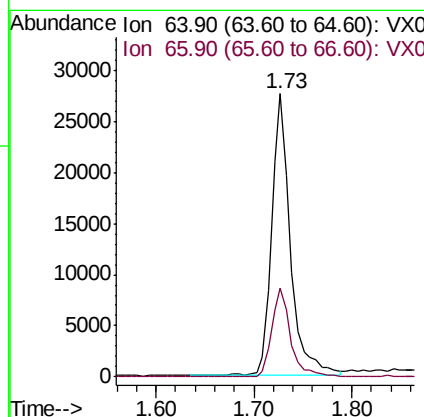
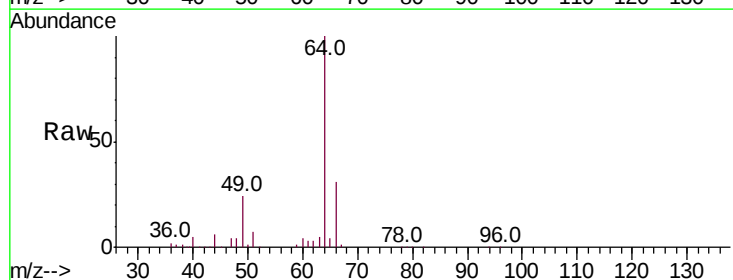
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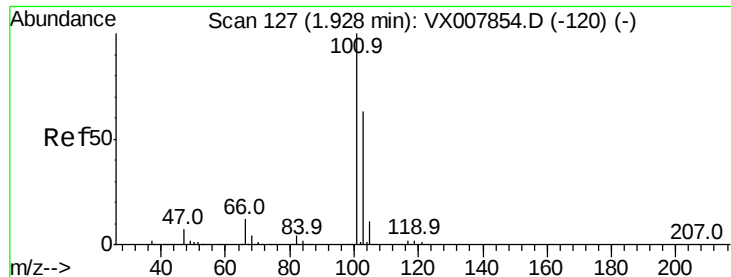
Tgt Ion: 64 Resp: 37046

Ion Ratio Lower Upper

64 100

66 31.2 25.2 37.8





#7

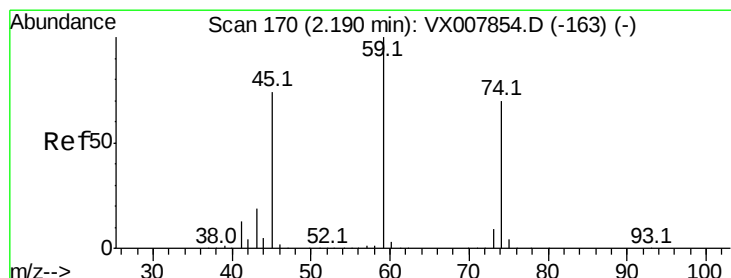
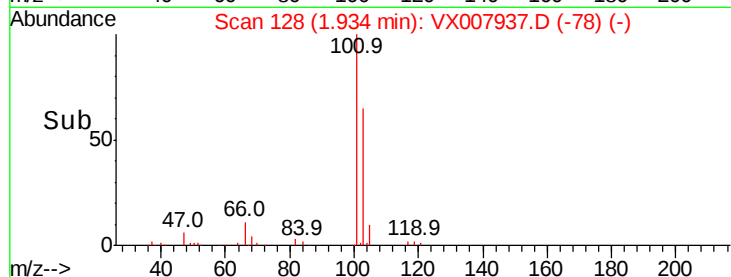
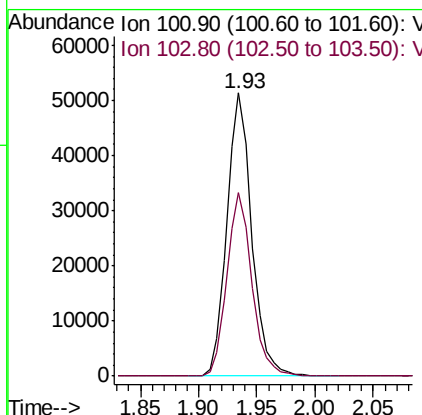
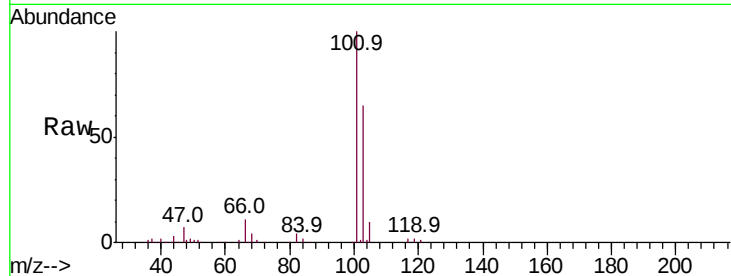
Trichlorofluoromethane
Concen: 19.100 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX007937.D
Acq: 08 Mar 2019 18:15

Instrument :
MSVOA_X
ClientSampleId :
VX0308WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	50.4	75.6

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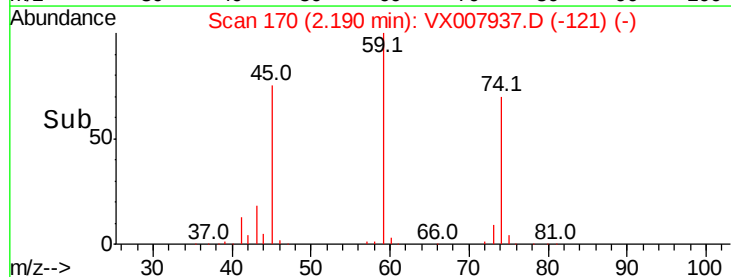
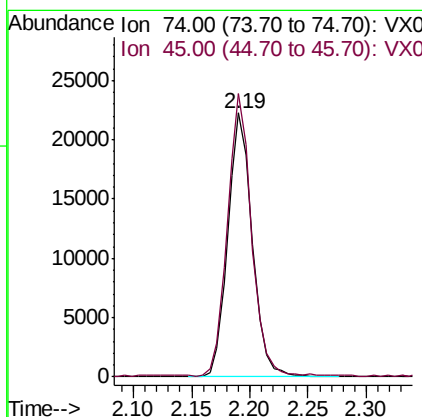
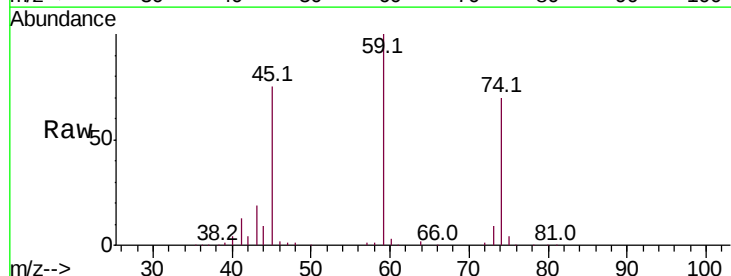
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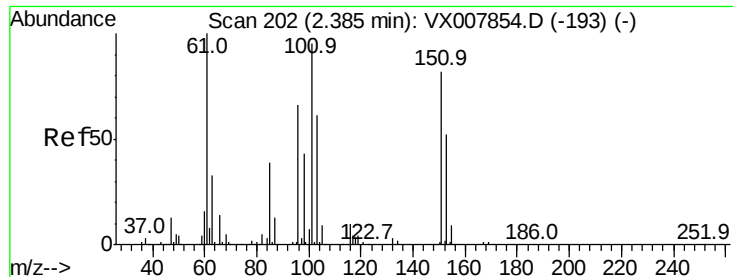


#8

Diethyl Ether
Concen: 18.808 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007937.D
Acq: 08 Mar 2019 18:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.8	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.729 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007937.D

Acq: 08 Mar 2019 18:15

Instrument :

MSVOA_X

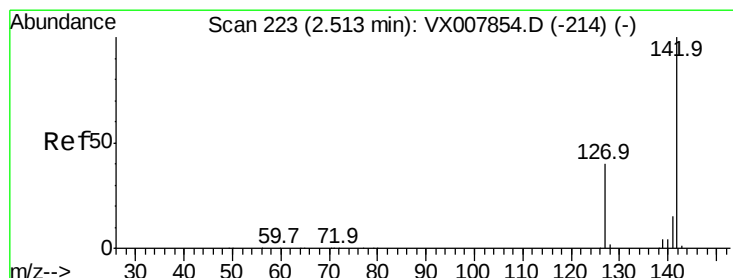
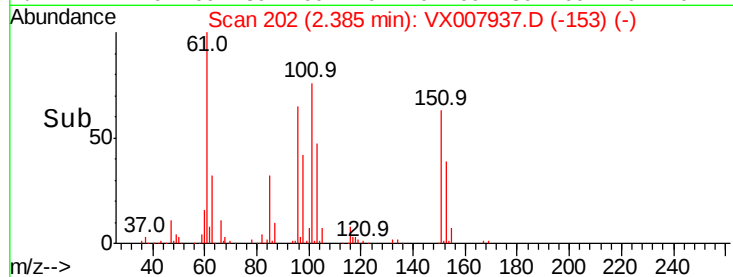
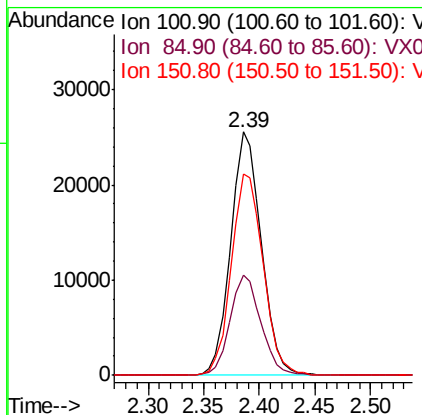
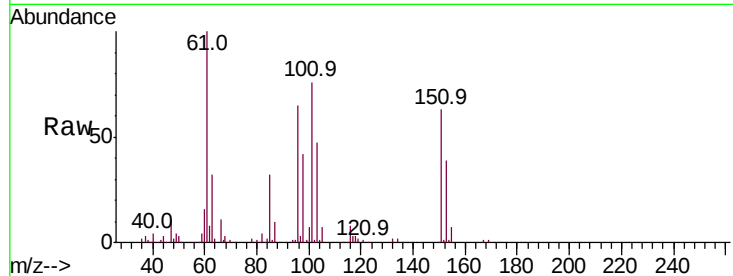
ClientSampleId :

VX0308WBS02

Tot Ion:	101	Resp:	48707
Ion Ratio	Lower	Upper	
101	100		
85	41.4	33.8	50.6
151	86.0	69.1	103.7

Manual Integrations
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#10

Methyl Iodide

Concen: 19.368 ug/l

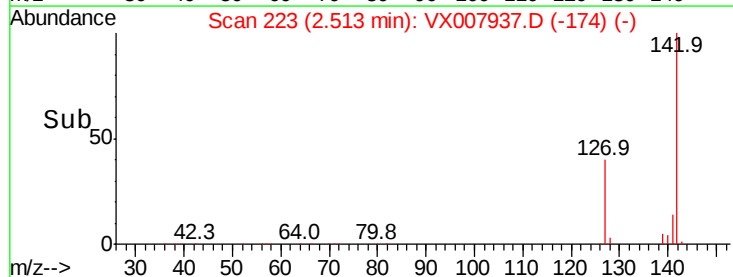
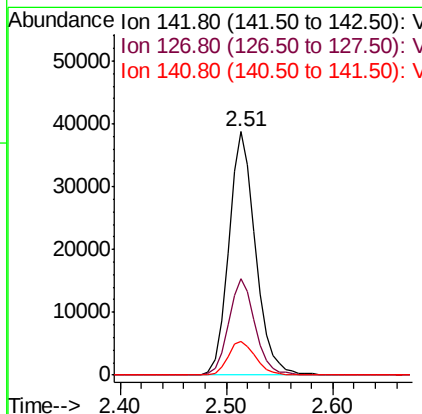
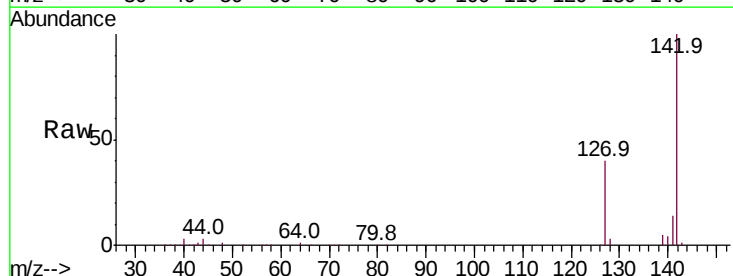
RT: 2.51 min Scan# 223

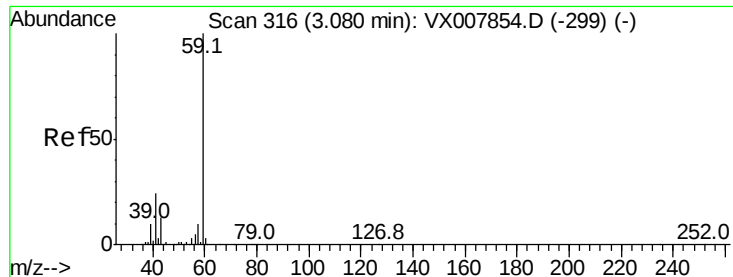
Delta R.T. 0.00 min

Lab File: VX007937.D

Acq: 08 Mar 2019 18:15

Tgt Ion:	142	Resp:	67837
Ion Ratio	Lower	Upper	
142	100		
127	39.3	32.1	48.1
141	14.4	11.4	17.2





#11

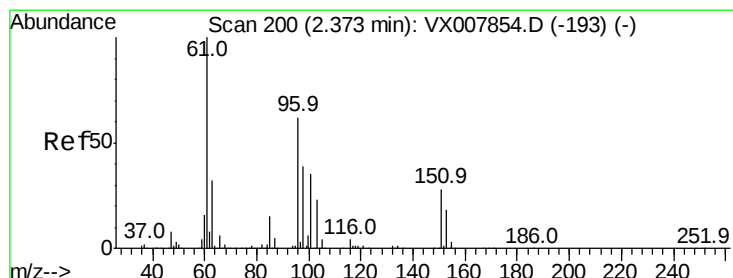
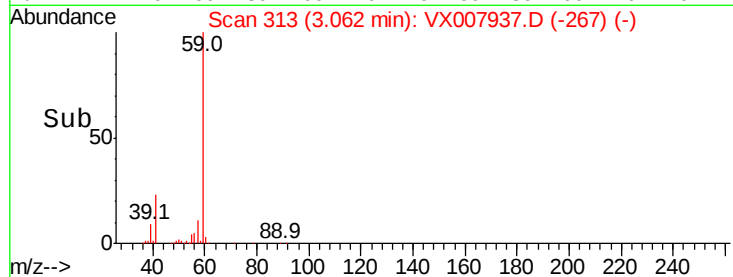
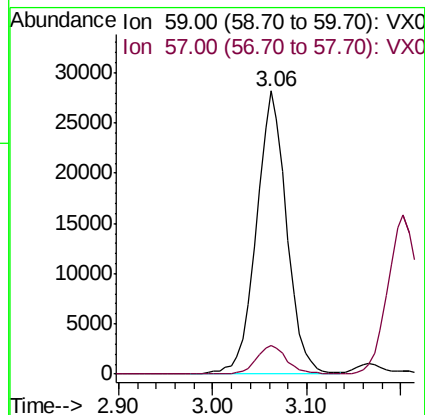
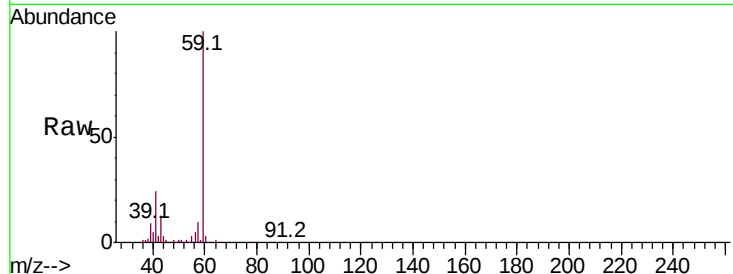
Tert butyl alcohol
 Concen: 96.559 ug/l
 RT: 3.06 min Scan# 313
 Delta R.T. -0.02 min
 Lab File: VX007937.D
 Acq: 08 Mar 2019 18:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0308WBS02

Tot Ion	59	Resp	63716
Ion Ratio	100	Lower	Upper
57	10.2	8.2	12.2

Manual Integrations
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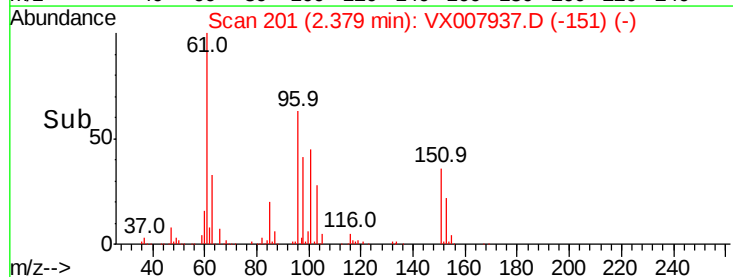
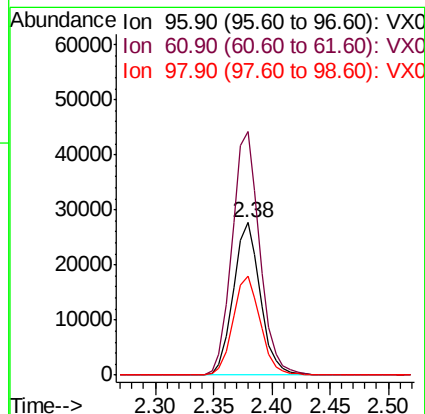
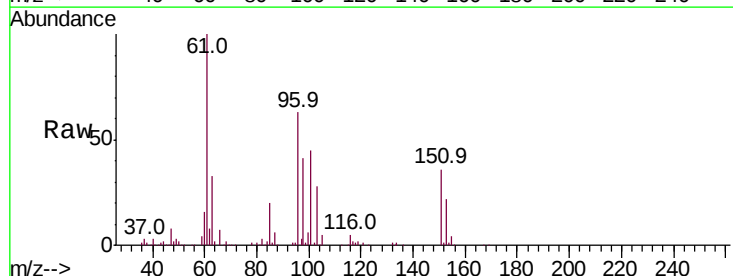
MMDadoda
 3/11/2019 12:02:20 PM

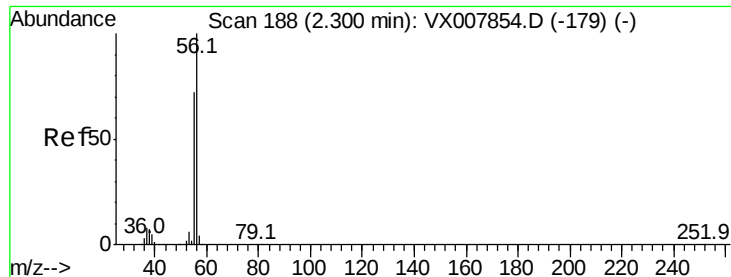


#12

1,1-Dichloroethene
 Concen: 18.861 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. 0.01 min
 Lab File: VX007937.D
 Acq: 08 Mar 2019 18:15

Tgt Ion	96	Resp	44886
Ion Ratio	100	Lower	Upper
61	159.5	129.8	194.6
98	64.7	51.0	76.6





#13

Acrolein

Concen: 71.587 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX007937.D

Acq: 08 Mar 2019 18:15

Instrument :

MSVOA_X

ClientSampleId :

VX0308WBS02

Tot Ion: 56 Resp: 26319

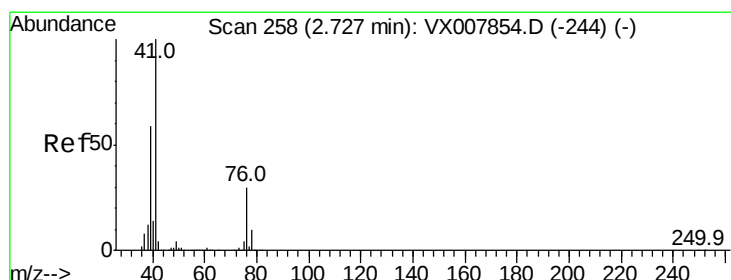
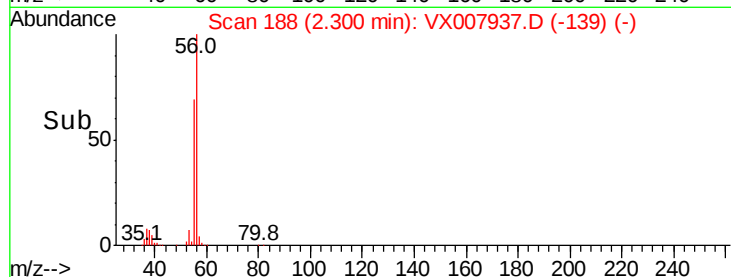
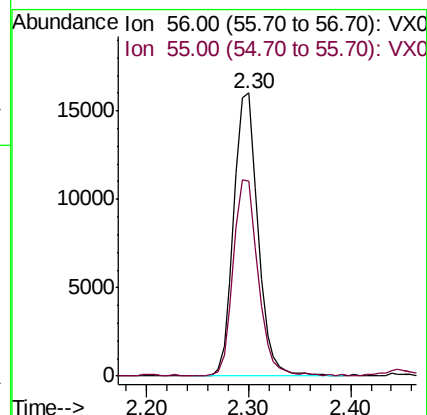
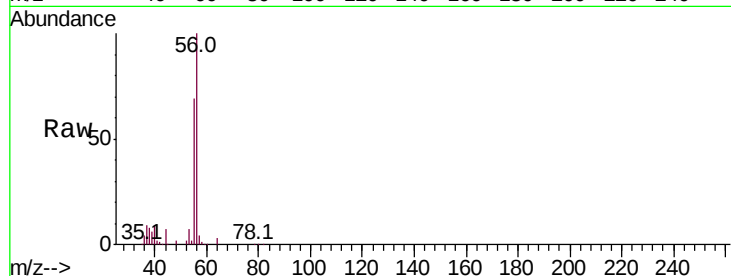
Ion Ratio Lower Upper

56 100

55 71.3 57.8 86.6

Manual Integrations
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#14

Allyl chloride

Concen: 18.550 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.01 min

Lab File: VX007937.D

Acq: 08 Mar 2019 18:15

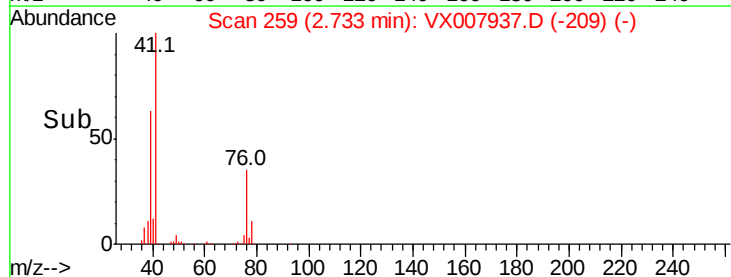
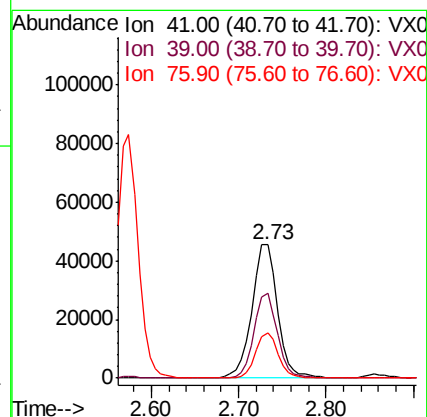
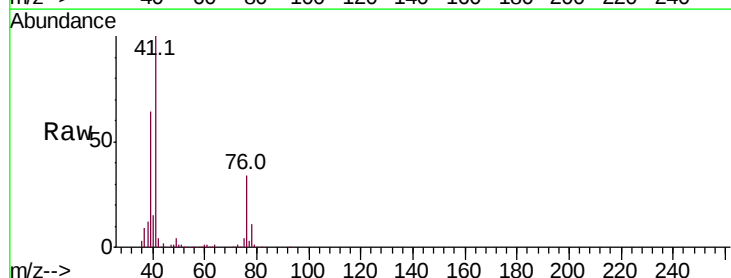
Tgt Ion: 41 Resp: 92764

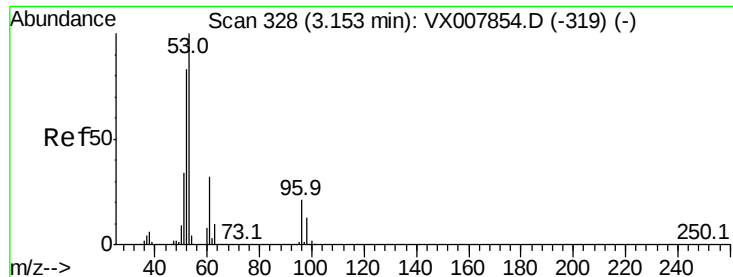
Ion Ratio Lower Upper

41 100

39 57.6 46.1 69.1

76 30.0 24.0 36.0





#15

Acrylonitrile

Concen: 93.730 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX007937.D

Acq: 08 Mar 2019 18:15

Instrument :

MSVOA_X

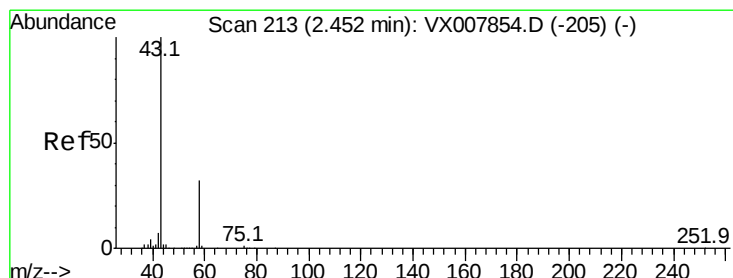
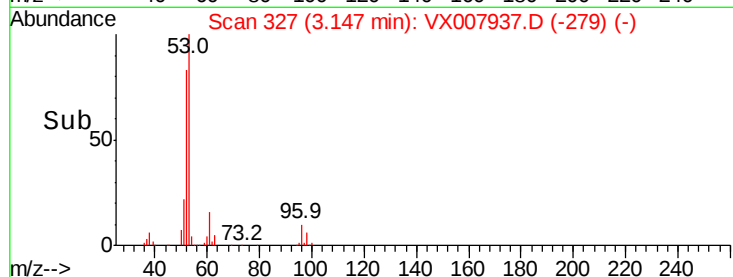
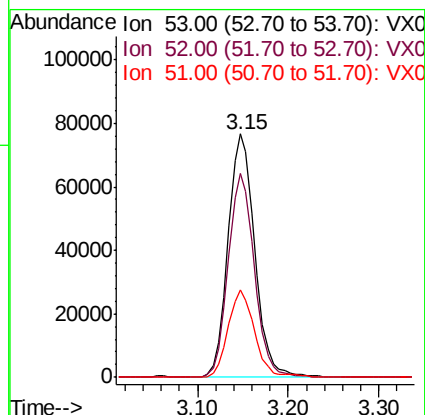
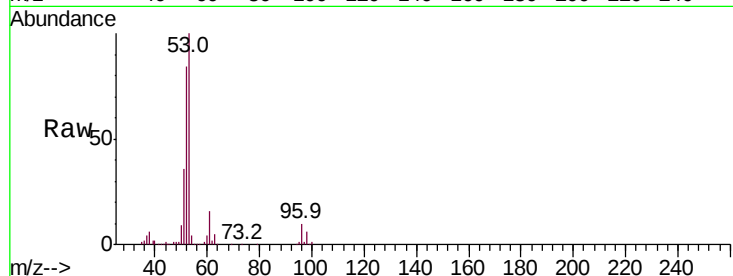
ClientSampleId :

VX0308WBS02

Tot Ion:	53	Resp:	156114
Ion Ratio		Lower	Upper
53	100		
52	82.7	66.0	99.0
51	35.7	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 89.289 ug/l

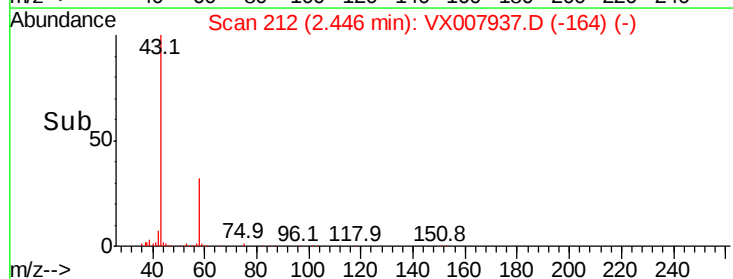
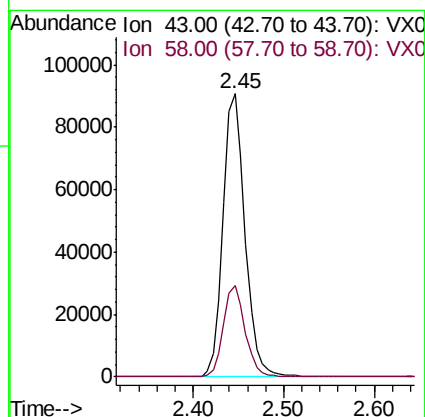
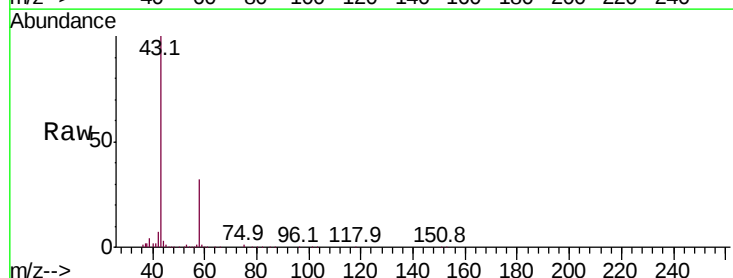
RT: 2.45 min Scan# 212

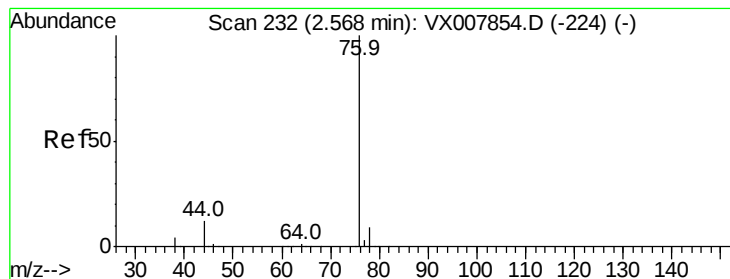
Delta R.T. -0.01 min

Lab File: VX007937.D

Acq: 08 Mar 2019 18:15

Tgt Ion:	43	Resp:	152494
Ion Ratio		Lower	Upper
43	100		
58	32.3	25.5	38.3





#17

Carbon Disulfide

Concen: 18.892 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX007937.D

Acq: 08 Mar 2019 18:15

Instrument :

MSVOA_X

ClientSampleId :

VX0308WBS02

Tot Ion: 76 Resp: 138551

Ion Ratio Lower Upper

76 100

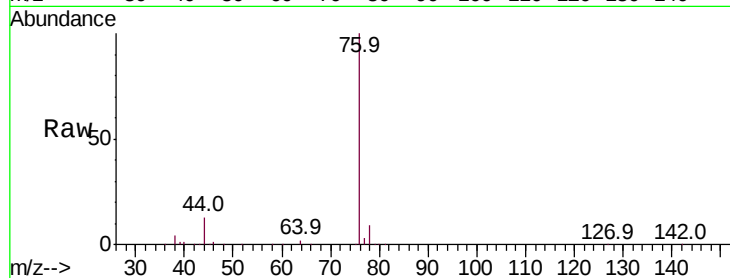
78 9.2 7.2 10.8

Manual Integrations

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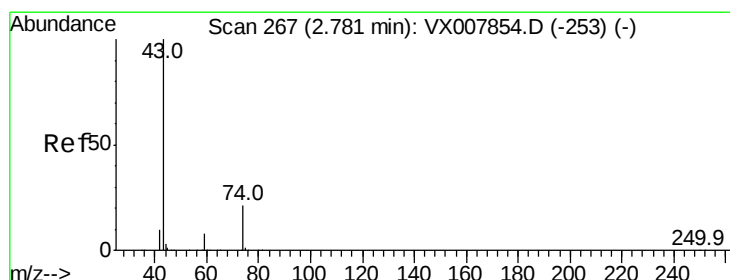
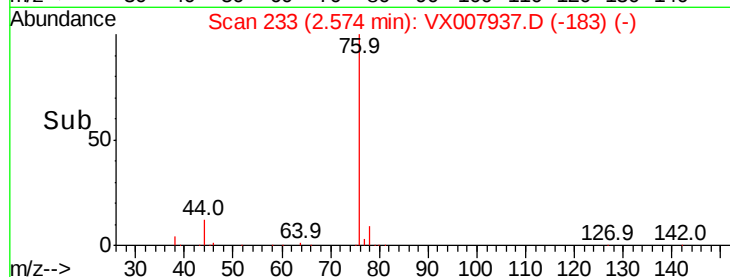
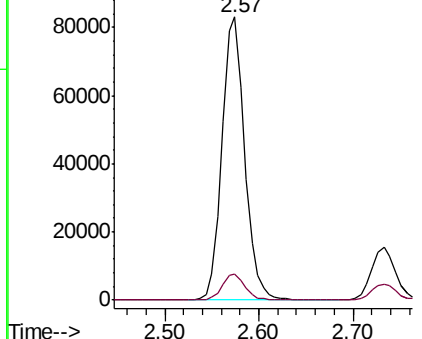
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 19.439 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX007937.D

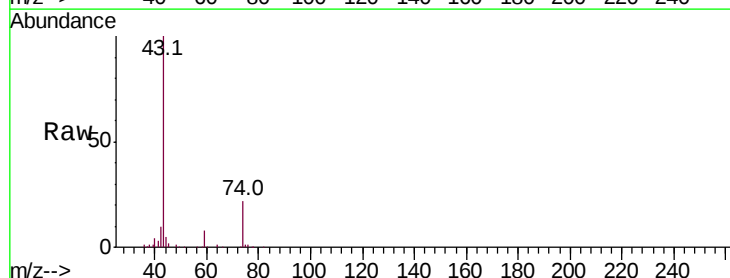
Acq: 08 Mar 2019 18:15

Tgt Ion: 43 Resp: 70529

Ion Ratio Lower Upper

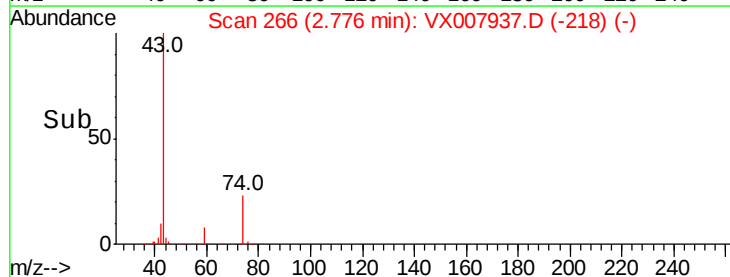
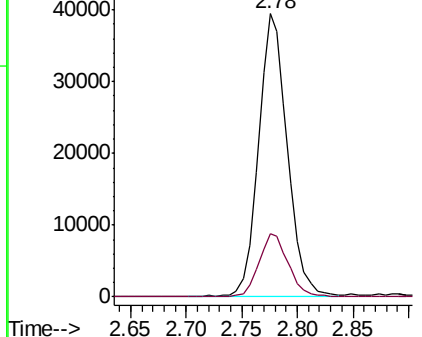
43 100

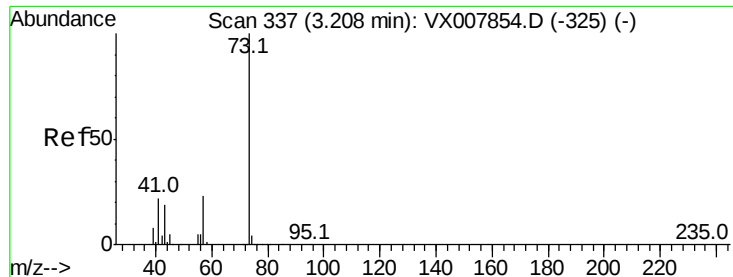
74 23.0 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





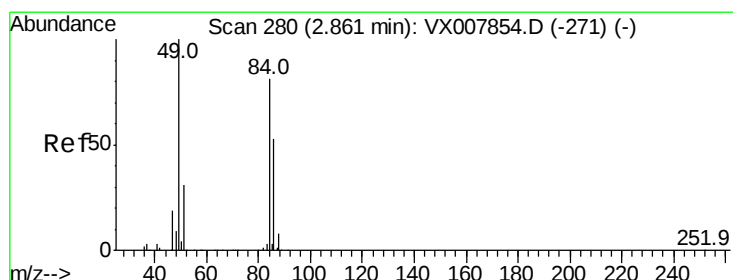
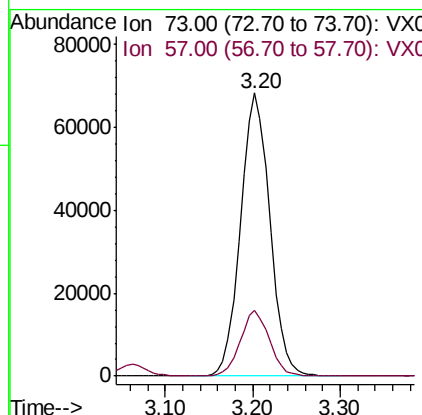
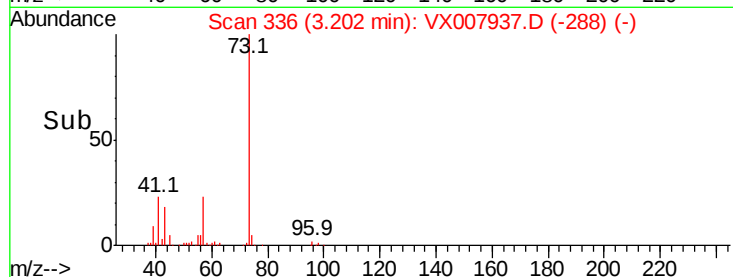
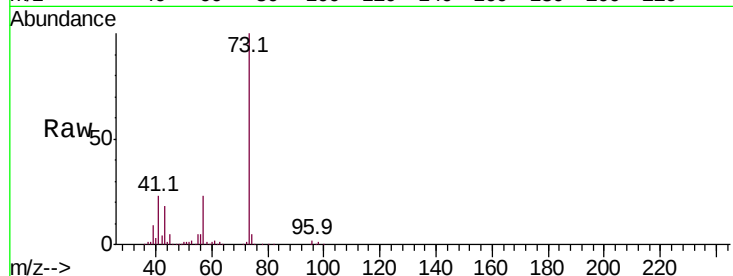
#19
Methyl tert-butyl Ether
Concen: 19.409 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX007937.D
Acq: 08 Mar 2019 18:15

Instrument :
MSVOA_X
ClientSampleId :
VX0308WBS02

Tot Ion: 73 Resp: 158906
Ion Ratio Lower Upper
73 100
57 23.3 18.2 27.4

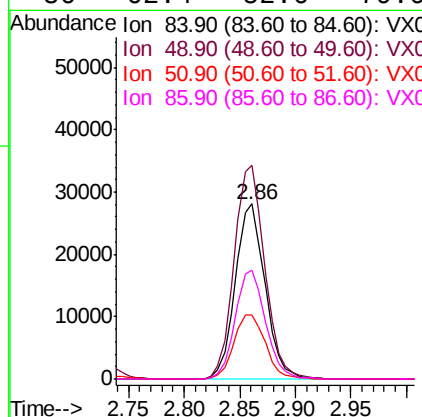
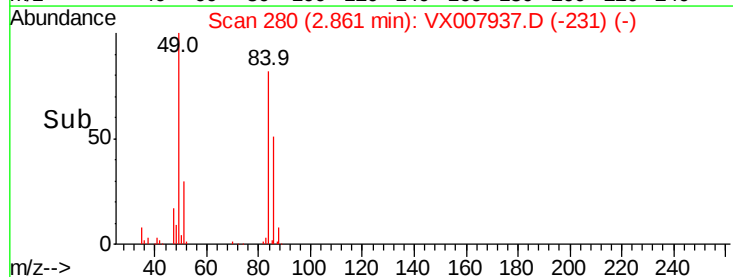
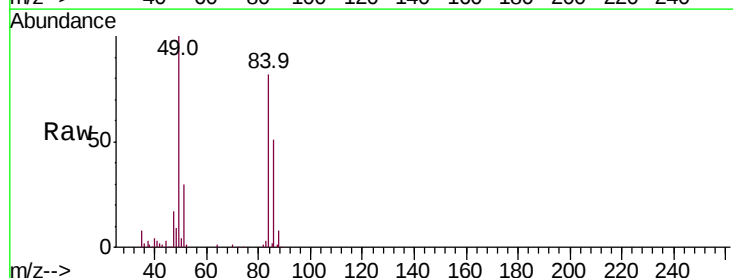
Manual Integrations
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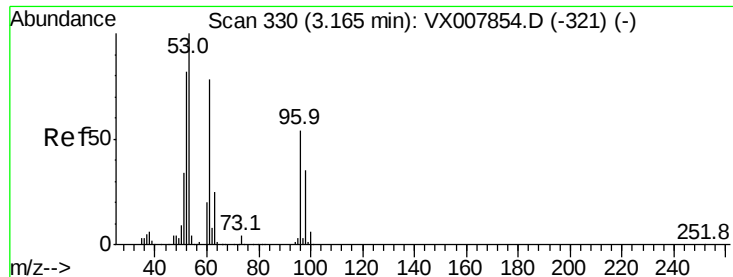
MMDadoda
3/11/2019 12:02:20 PM



#20
Methylene Chloride
Concen: 19.146 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007937.D
Acq: 08 Mar 2019 18:15

Tgt Ion: 84 Resp: 52039
Ion Ratio Lower Upper
84 100
49 122.2 99.3 148.9
51 36.5 31.3 46.9
86 62.4 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 18.545 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007937.D

Acq: 08 Mar 2019 18:15

Instrument :

MSVOA_X

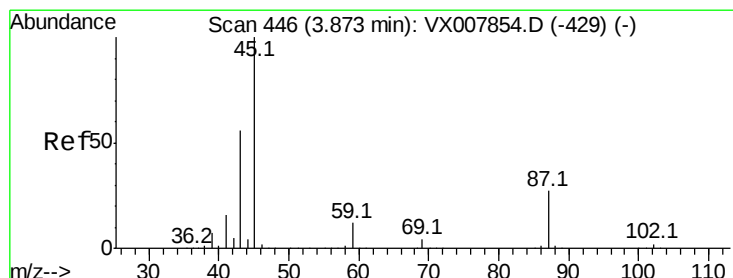
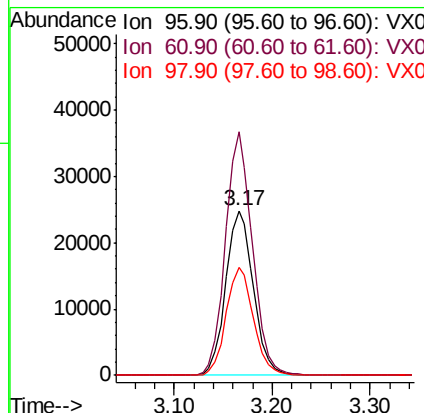
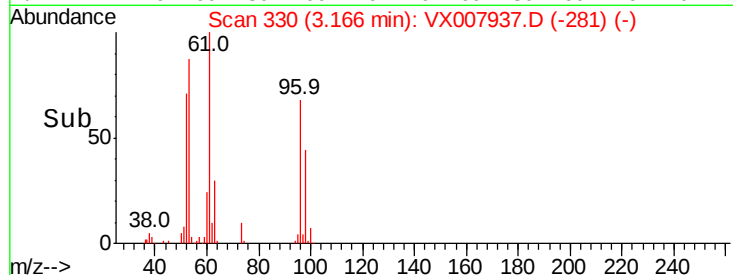
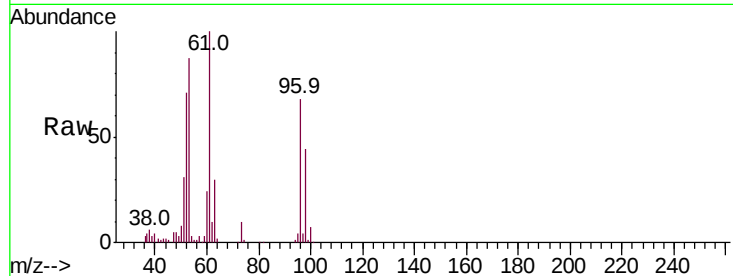
ClientSampleId :

VX0308WBS02

Tot Ion:	96	Resp:	48560
Ion	Ratio	Lower	Upper
96	100		
61	147.8	114.4	171.6
98	65.4	51.1	76.7

Manual Integrations
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3/11/2019 12:02:20 PM



#22

Diisopropyl ether

Concen: 18.939 ug/l

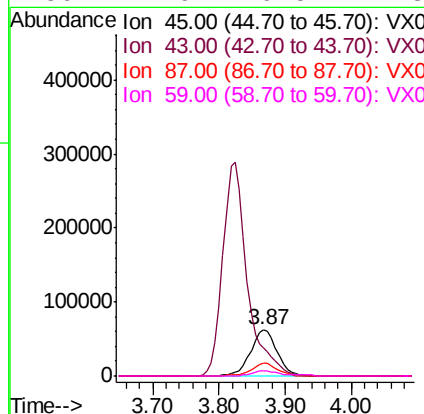
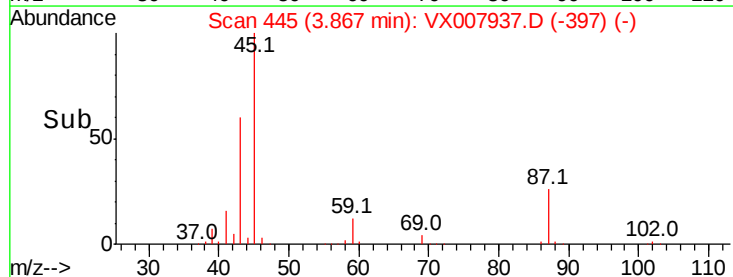
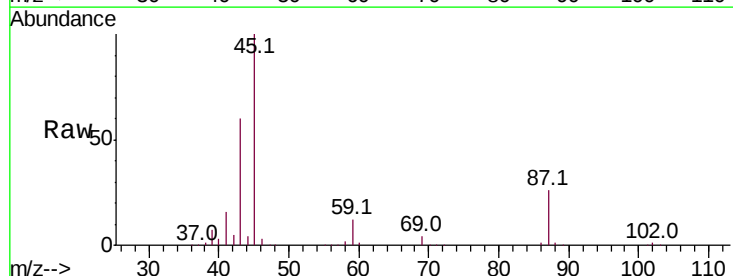
RT: 3.87 min Scan# 445

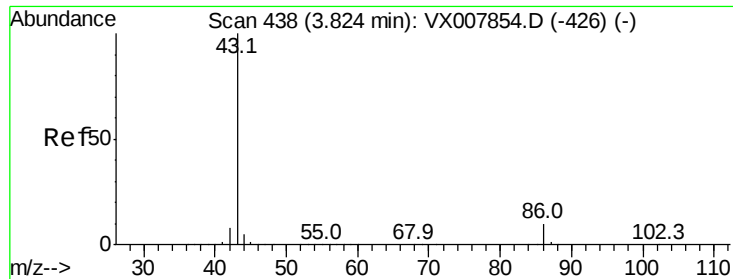
Delta R.T. -0.01 min

Lab File: VX007937.D

Acq: 08 Mar 2019 18:15

Tgt Ion:	45	Resp:	173613
Ion	Ratio	Lower	Upper
45	100		
43	60.4	45.3	67.9
87	26.4	21.4	32.0
59	11.6	9.5	14.3





#23

Vinyl Acetate

Concen: 92.752 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX007937.D

Acq: 08 Mar 2019 18:15

Instrument :

MSVOA_X

ClientSampleId :

VX0308WBS02

Tot Ion: 43 Resp: 745592

Ion Ratio Lower Upper

43 100

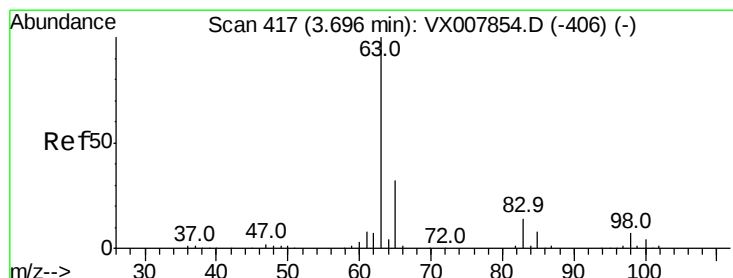
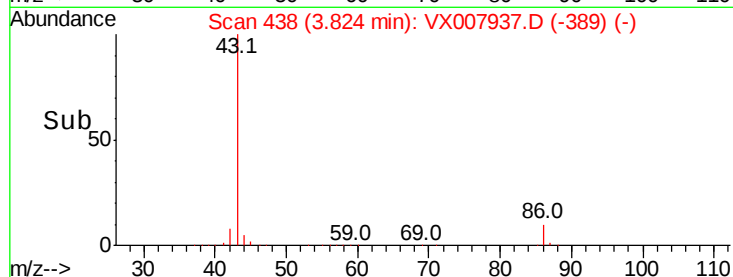
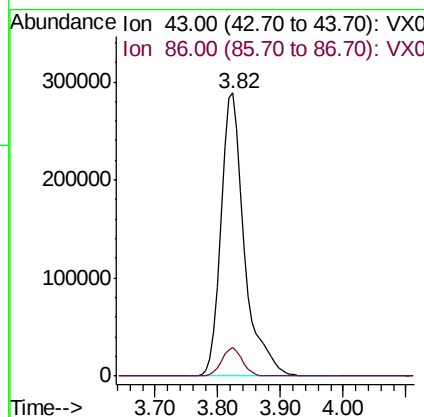
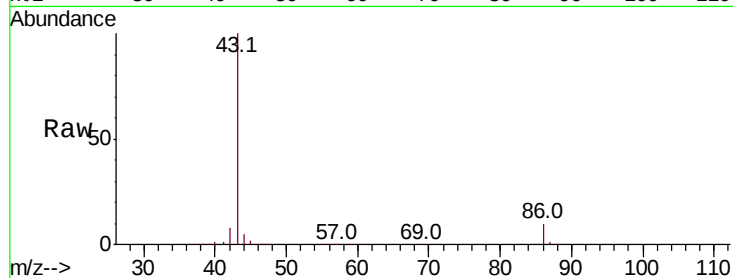
86 10.1 7.9 11.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.153 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007937.D

Acq: 08 Mar 2019 18:15

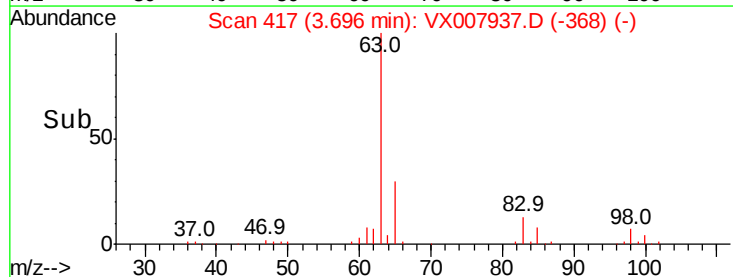
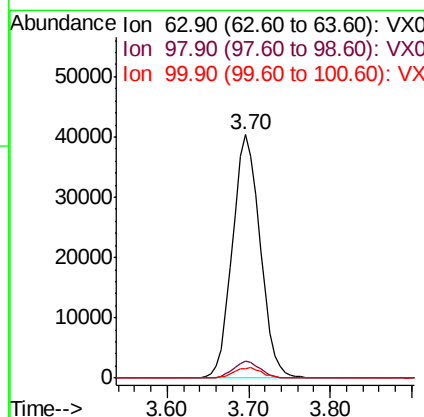
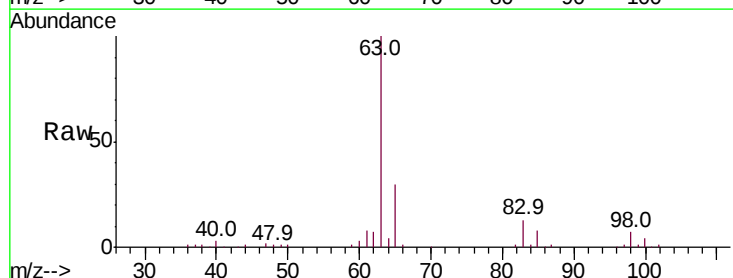
Tgt Ion: 63 Resp: 94482

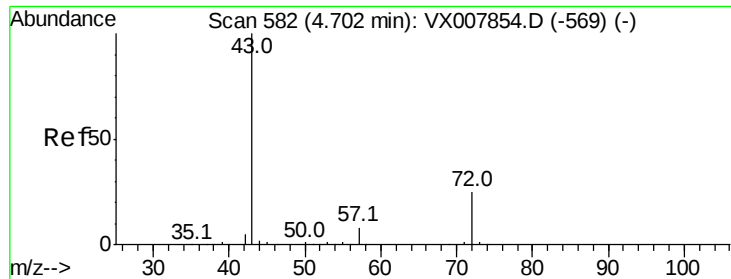
Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.8

100 4.0 2.3 6.8





#25

2-Butanone

Concen: 91.889 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX007937.D

Acq: 08 Mar 2019 18:15

Instrument :

MSVOA_X

ClientSampleId :

VX0308WBS02

Tot Ion: 43 Resp: 222178

Ion Ratio Lower Upper

43 100

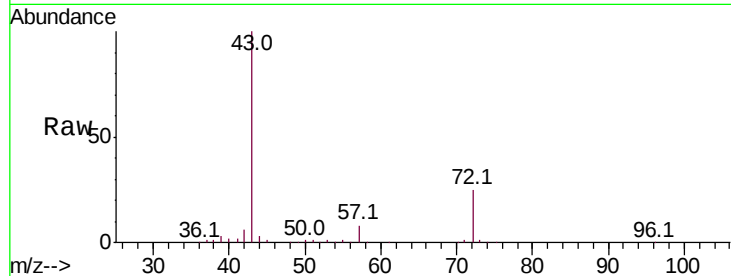
72 25.3 19.9 29.9

Manual Integrations

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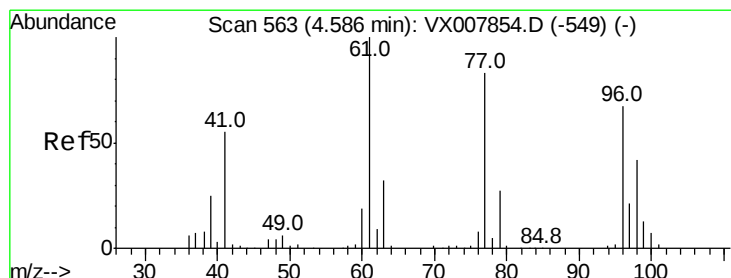
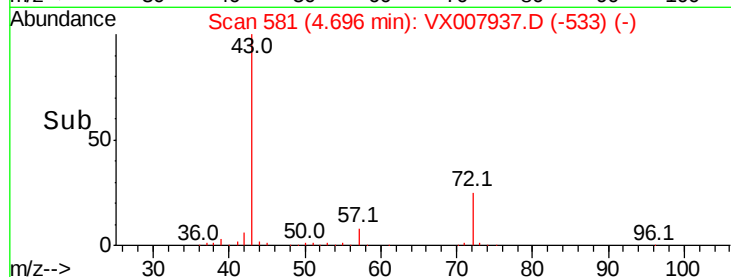
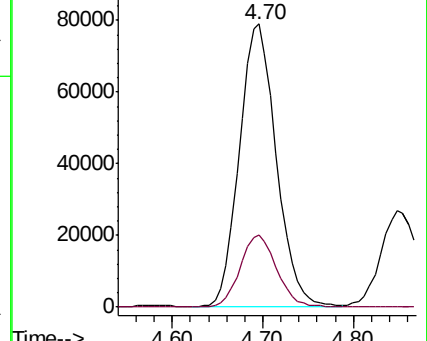
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 18.452 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX007937.D

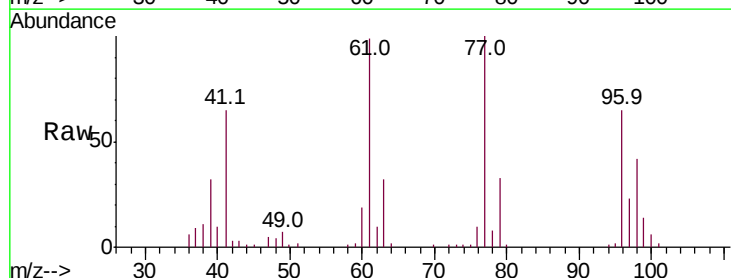
Acq: 08 Mar 2019 18:15

Tgt Ion: 77 Resp: 60304

Ion Ratio Lower Upper

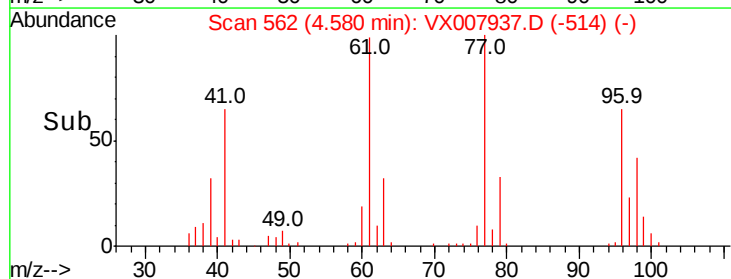
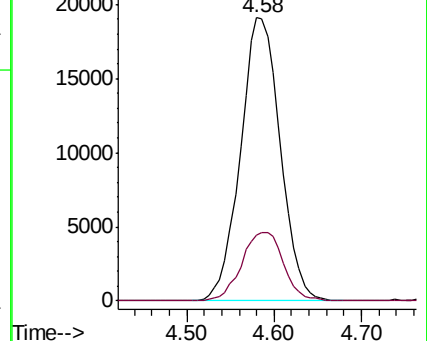
77 100

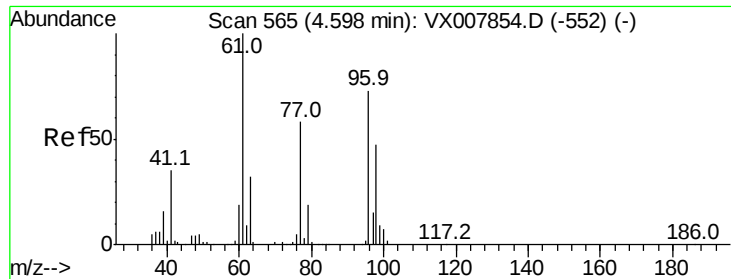
97 25.5 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

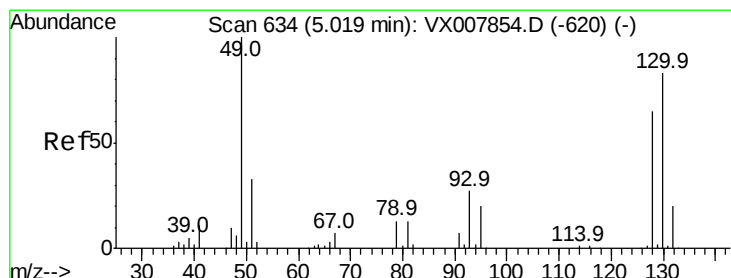
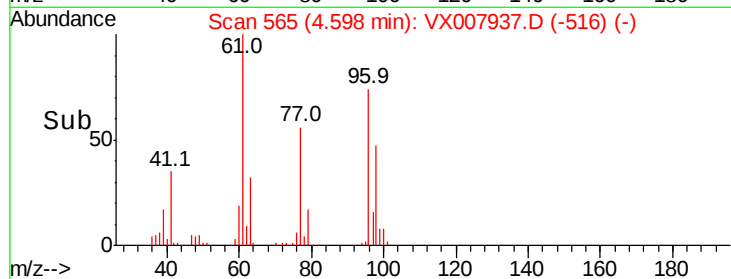
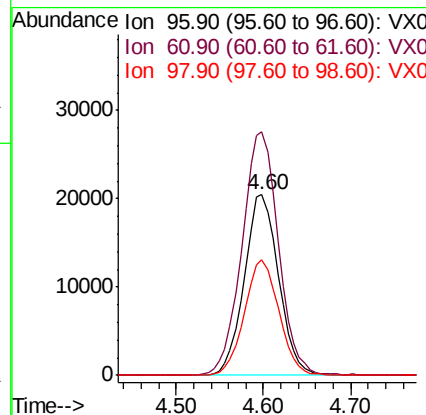
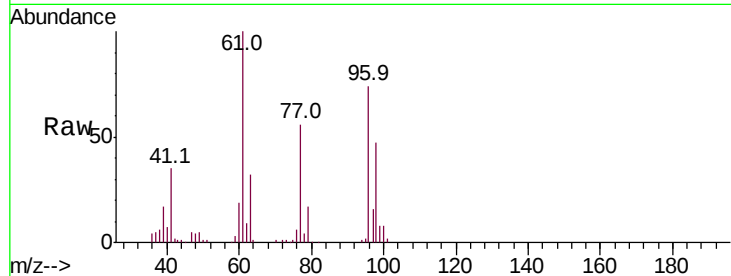
cis-1,2-Dichloroethene
Concen: 18.643 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007937.D
Acq: 08 Mar 2019 18:15

Instrument :
MSVOA_X
ClientSampleId :
VX0308WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	55862		
61	142.9	0.0	288.0	
98	64.4	0.0	129.0	

Manual Integrations
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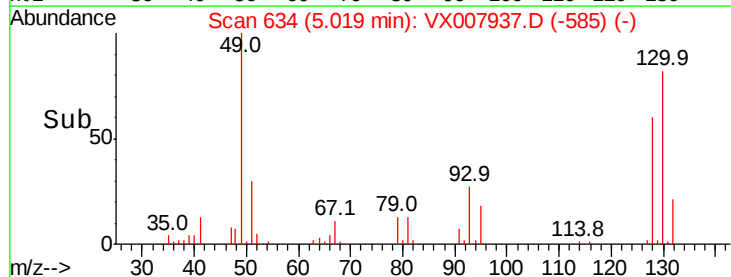
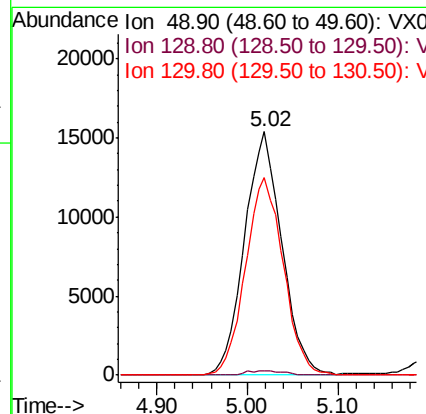
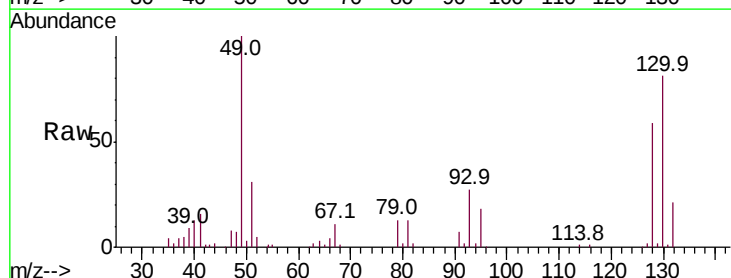
MMDadoda
3/11/2019 12:02:20 PM

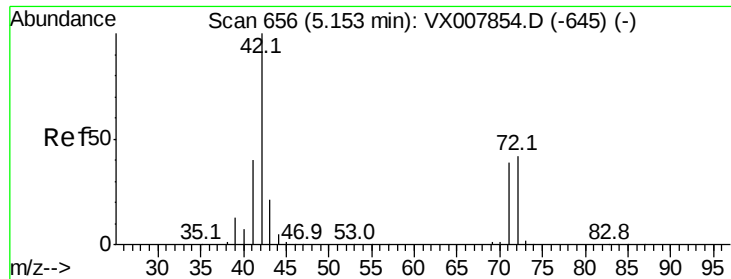


#28

Bromochloromethane
Concen: 19.090 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX007937.D
Acq: 08 Mar 2019 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	43903		
129	1.9	0.0	4.0	
130	82.1	65.0	97.4	





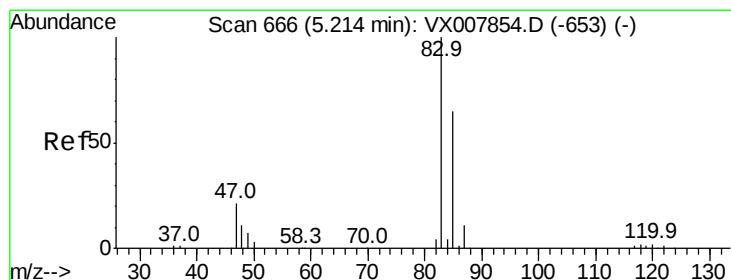
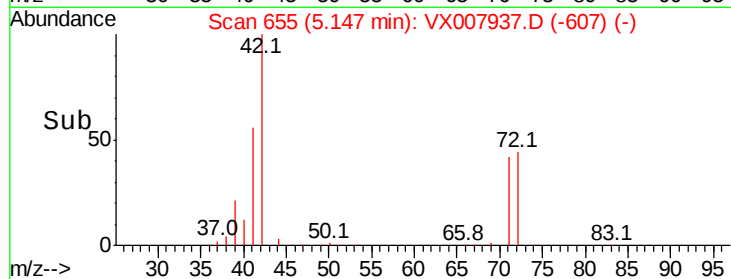
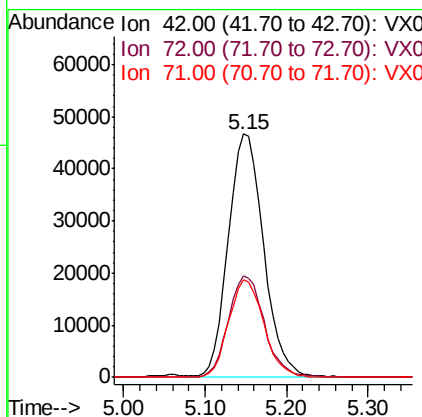
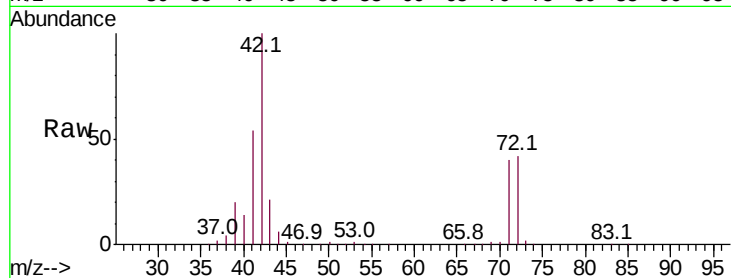
#29
Tetrahydrofuran
Concen: 92.803 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX007937.D
Acq: 08 Mar 2019 18:15

Instrument :
MSVOA_X
ClientSampleId :
VX0308WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.6	33.8	50.6
71	40.0	31.5	47.3

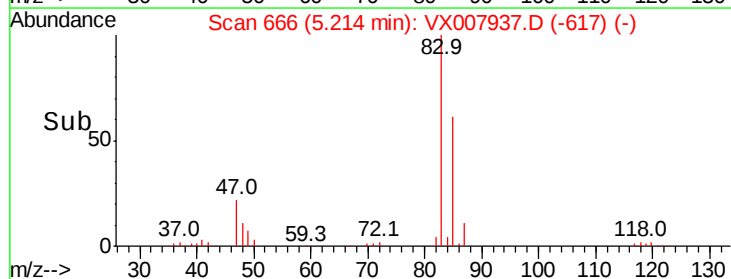
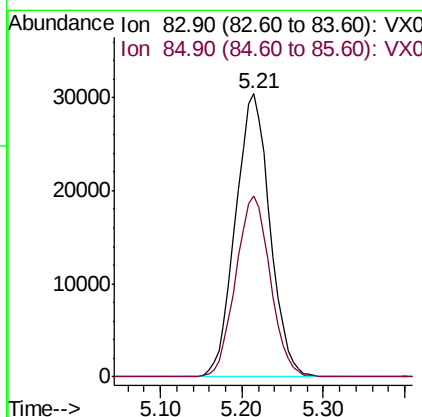
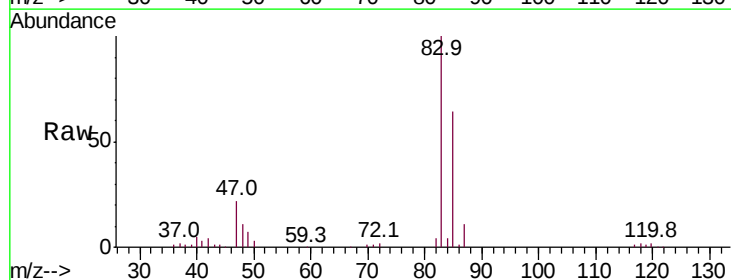
Manual Integrations
APPROVED

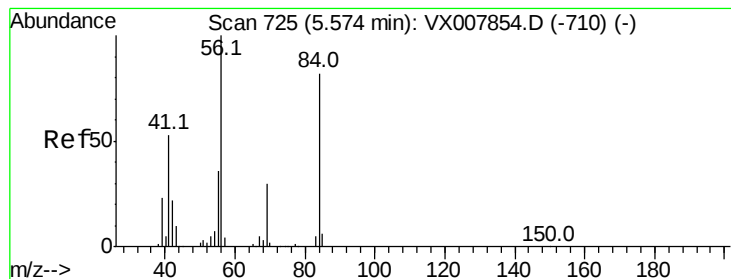
MMDadoda
3/11/2019 12:02:20 PM



#30
Chloroform
Concen: 19.081 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007937.D
Acq: 08 Mar 2019 18:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.8	77.6





#31

Cyclohexane

Concen: 19.332 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX007937.D

Acq: 08 Mar 2019 18:15

Instrument :

MSVOA_X

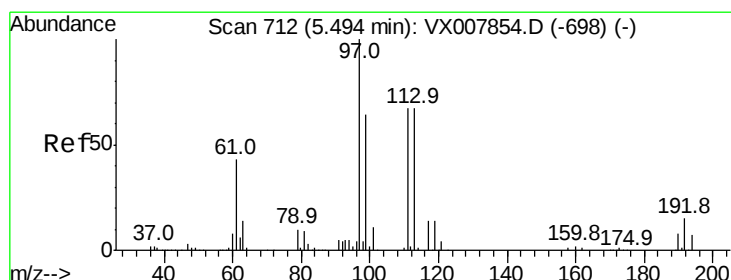
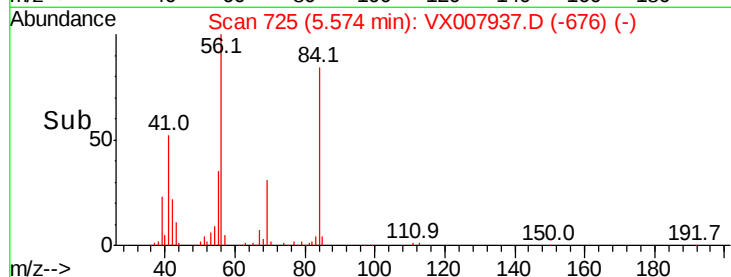
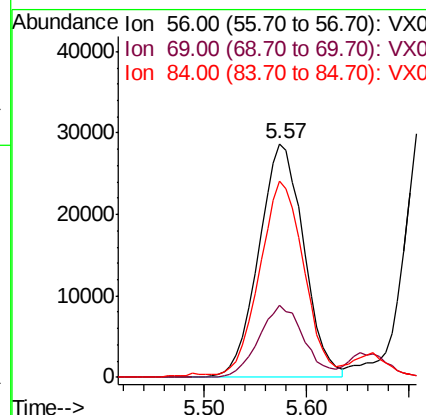
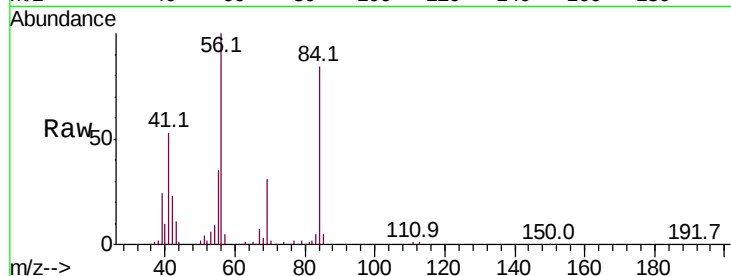
ClientSampleId :

VX0308WBS02

Tot Ion:	56	Resp:	87648
Ion	Ratio	Lower	Upper
56	100		
69	30.7	24.0	36.0
84	82.1	65.3	97.9

Manual Integrations
APPROVED

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#32

1,1,1-Trichloroethane

Concen: 18.912 ug/l

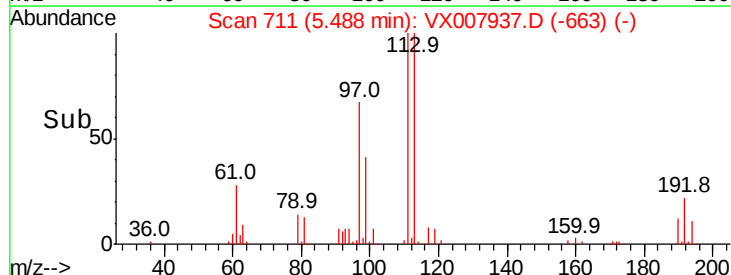
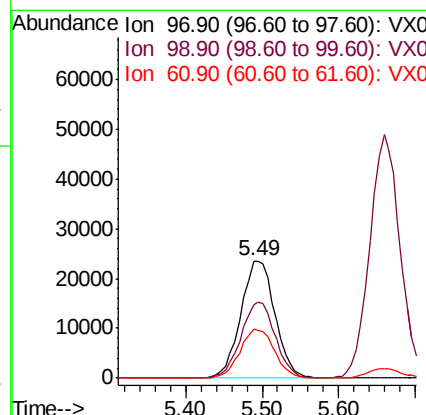
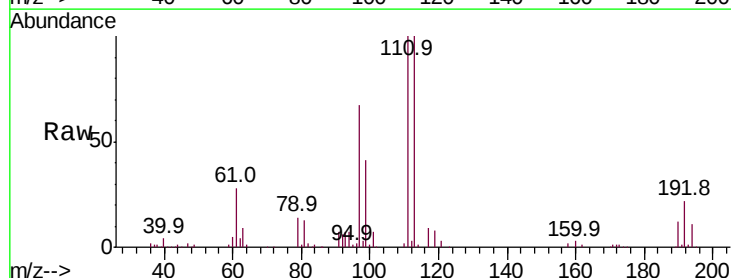
RT: 5.49 min Scan# 711

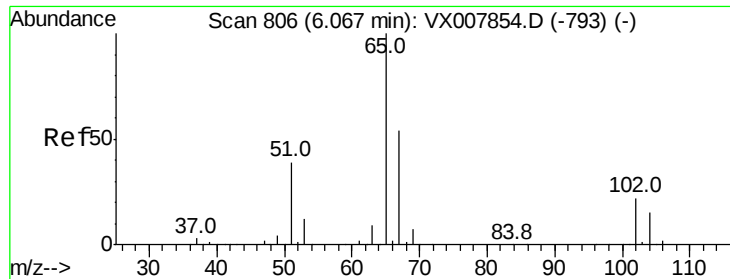
Delta R.T. -0.01 min

Lab File: VX007937.D

Acq: 08 Mar 2019 18:15

Tgt Ion:	97	Resp:	73221
Ion	Ratio	Lower	Upper
97	100		
99	64.9	52.2	78.2
61	42.1	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 47.023 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007937.D

Acq: 08 Mar 2019 18:15

Instrument :

MSVOA_X

ClientSampleId :

VX0308WBS02

Tot Ion: 65 Resp: 138749

Ion Ratio Lower Upper

65 100

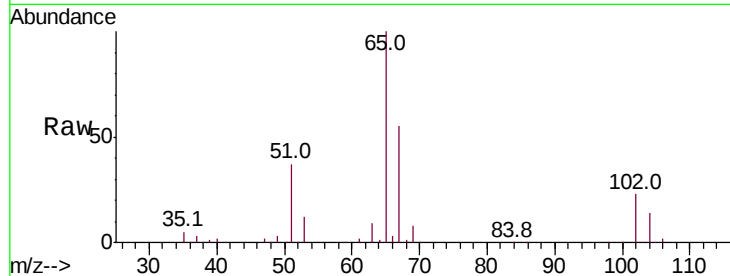
67 54.8 0.0 110.0

Manual Integrations

APPROVED

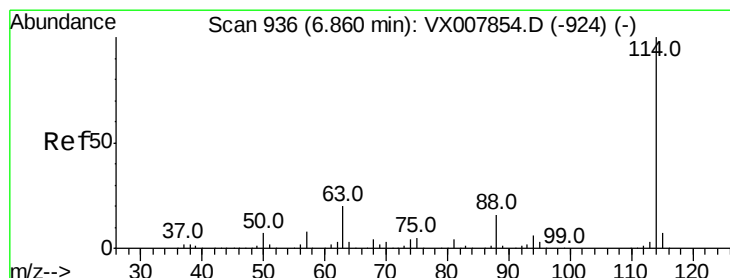
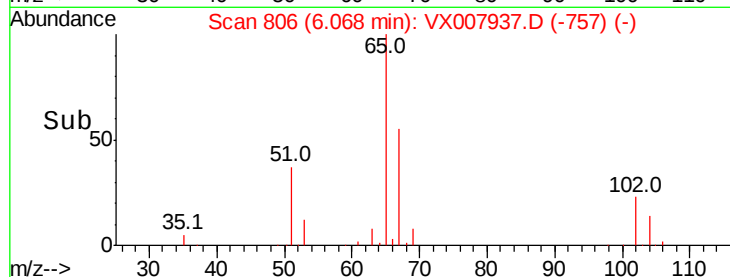
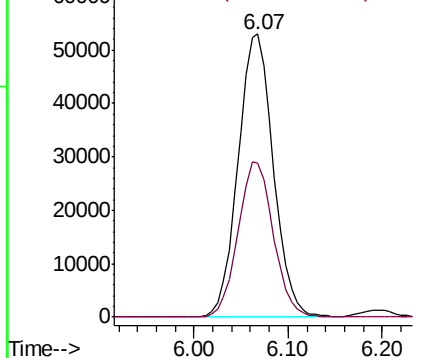
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007937.D

Acq: 08 Mar 2019 18:15

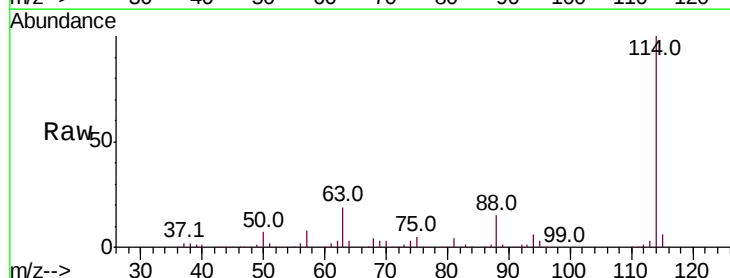
Tgt Ion:114 Resp: 395865

Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.8

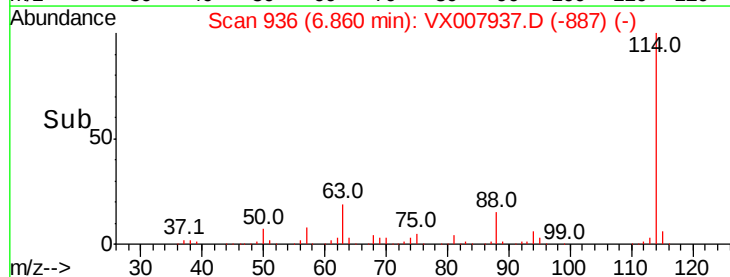
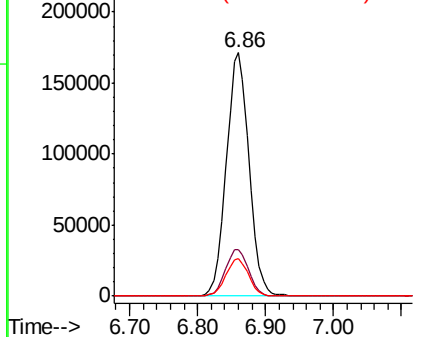
88 15.3 0.0 31.4

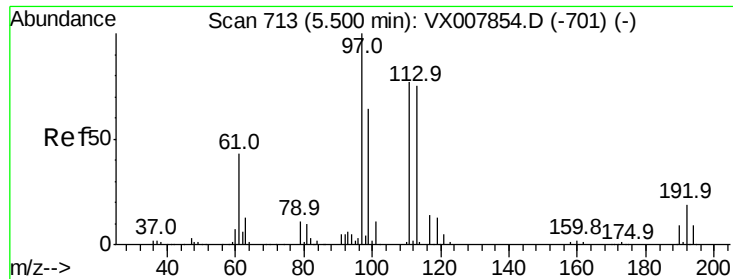


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





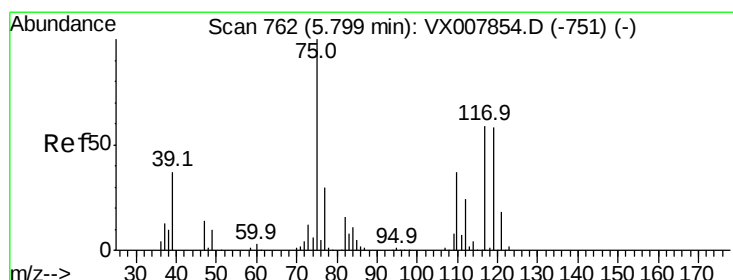
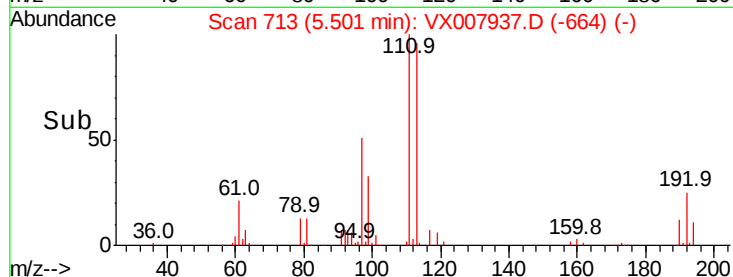
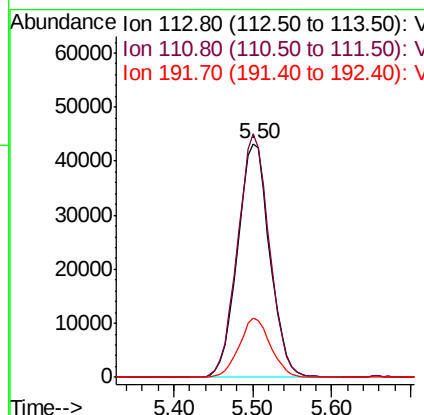
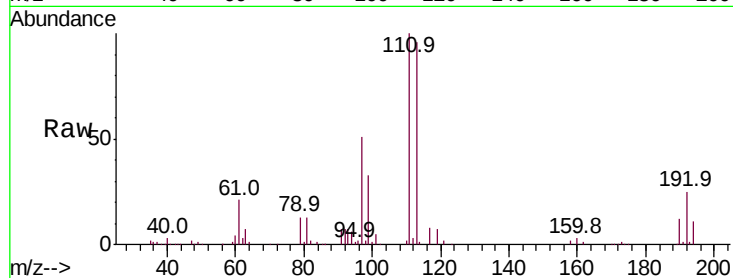
#35
 Dibromofluoromethane
 Concen: 48.583 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX007937.D
 Acq: 08 Mar 2019 18:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0308WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	123022		
111	102.7	81.4	122.0	
192	24.6	19.4	29.0	

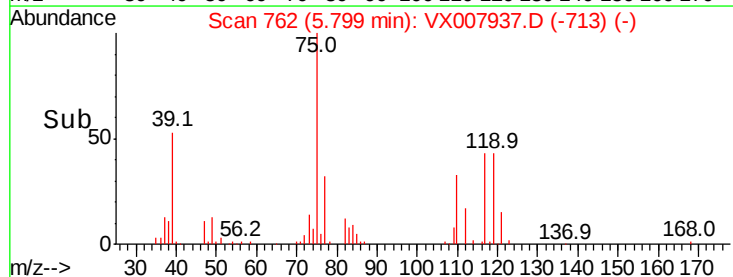
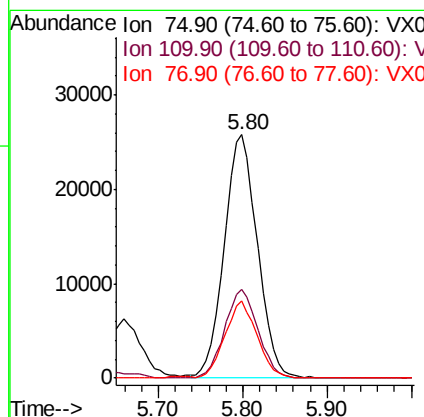
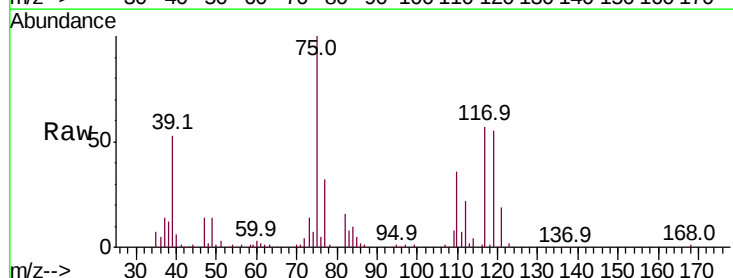
Manual Integrations
 APPROVED

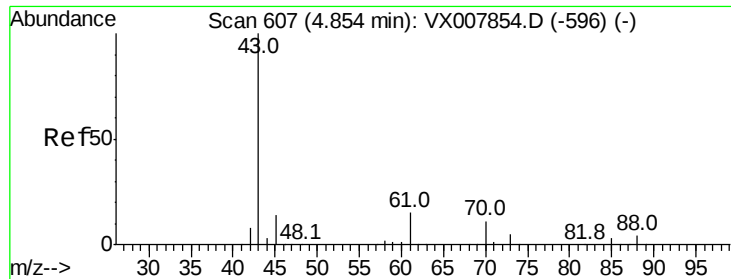
MMDadoda
 3/11/2019 12:02:20 PM



#36
 1,1-Dichloropropene
 Concen: 19.203 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX007937.D
 Acq: 08 Mar 2019 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	68833		
110	36.6	18.4	55.0	
77	30.8	25.0	37.4	





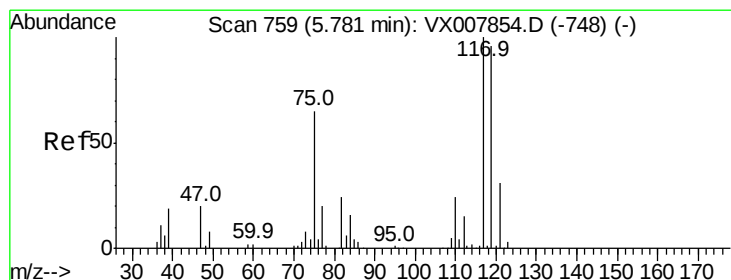
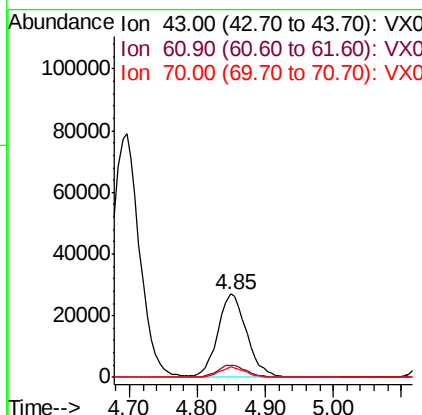
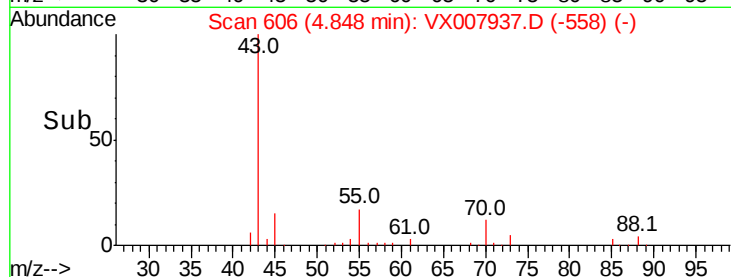
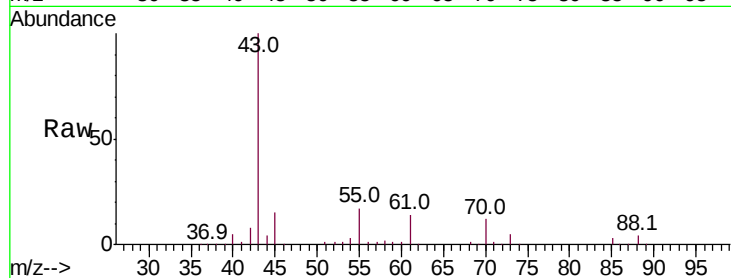
#37
Ethyl Acetate
Concen: 18.619 ug/l
RT: 4.85 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX007937.D
Acq: 08 Mar 2019 18:15

Instrument :
MSVOA_X
ClientSampleId :
VX0308WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.3	16.9
70	11.2	8.5	12.7

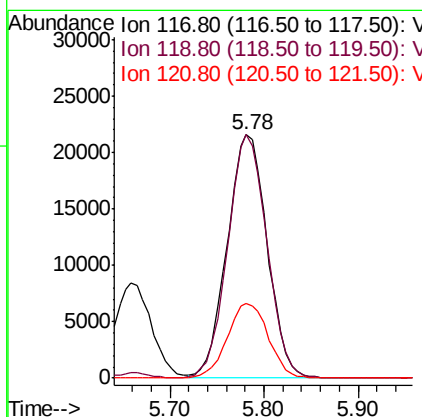
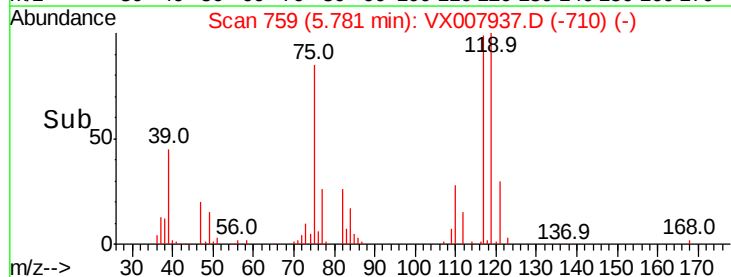
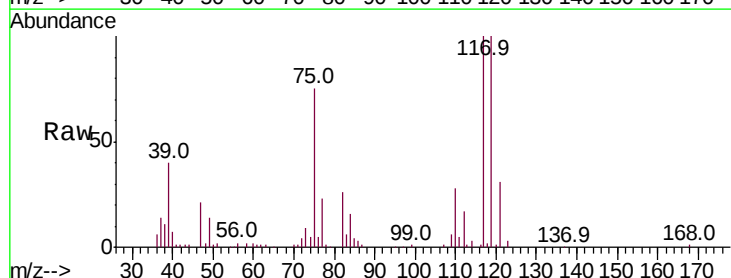
Manual Integrations
APPROVED

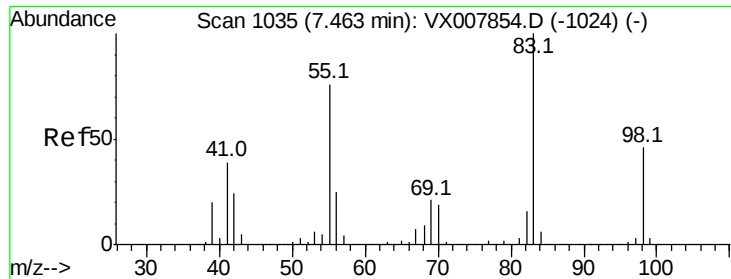
MMDadoda
3/11/2019 12:02:20 PM



#38
Carbon Tetrachloride
Concen: 18.659 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX007937.D
Acq: 08 Mar 2019 18:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.1	76.2	114.2
121	30.9	24.6	36.8





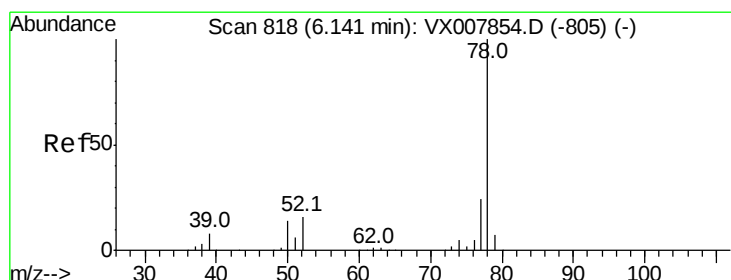
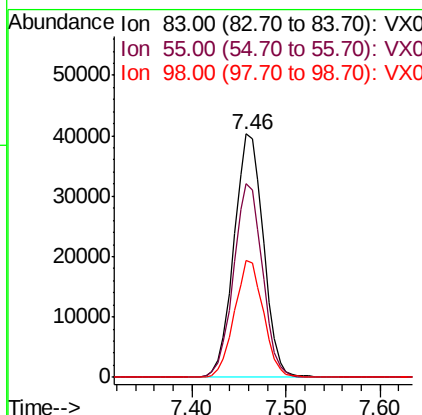
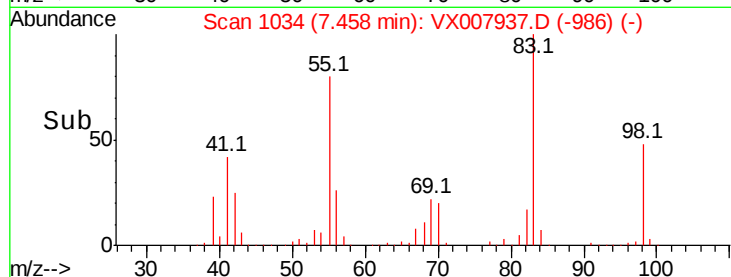
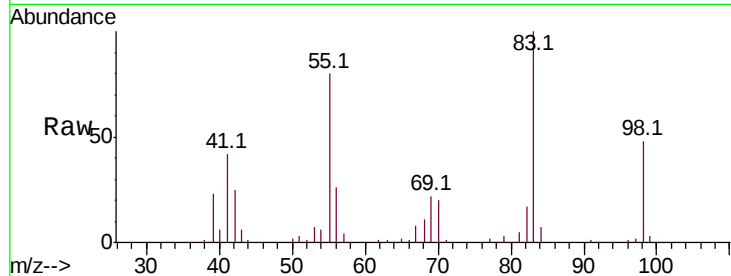
#39
Methvlcvclohexane
Concen: 20.233 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007937.D
Acq: 08 Mar 2019 18:15

Instrument :
MSVOA_X
ClientSampled :
VX0308WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.5	60.4	90.6
98	48.0	36.5	54.7

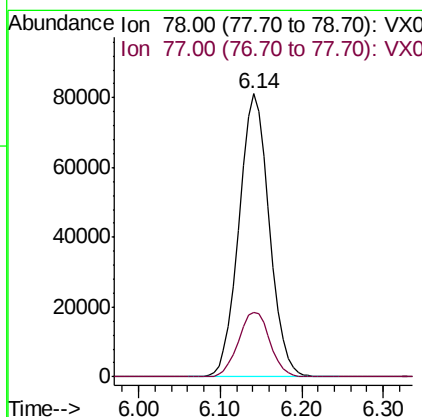
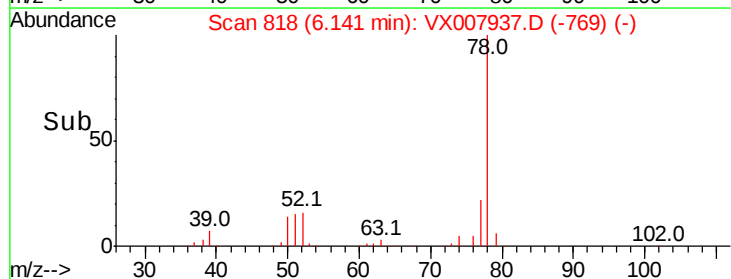
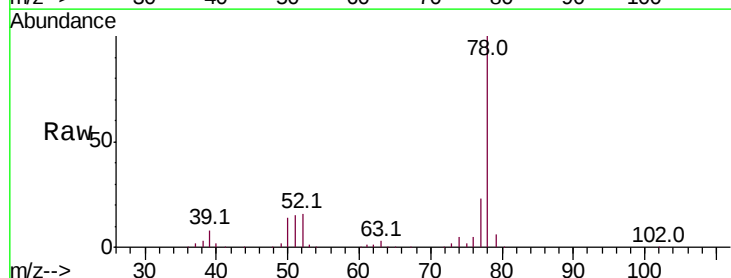
Manual Integrations
APPROVED

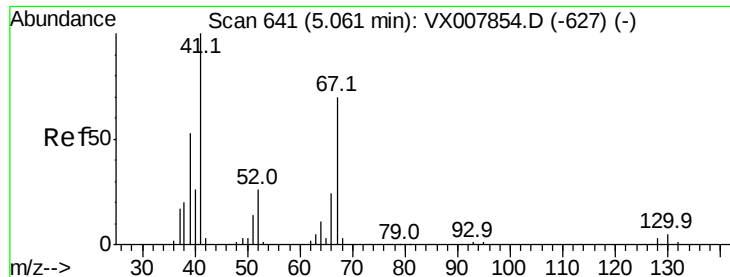
MMDadoda
3/11/2019 12:02:20 PM



#40
Benzene
Concen: 19.603 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007937.D
Acq: 08 Mar 2019 18:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.0	28.4





#41

Methacrylonitrile

Concen: 18.968 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX007937.D

Acq: 08 Mar 2019 18:15

Instrument :

MSVOA_X

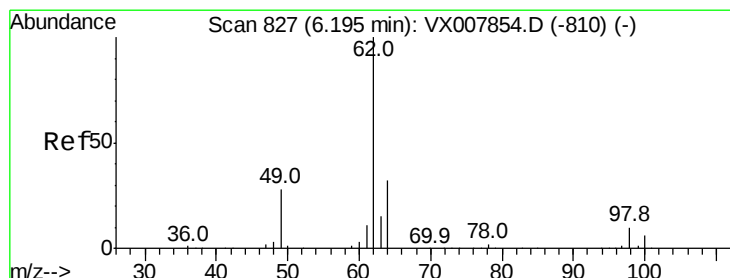
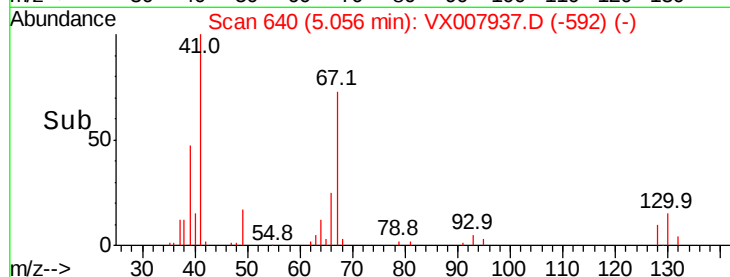
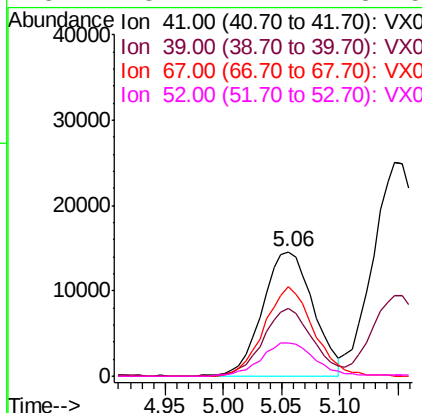
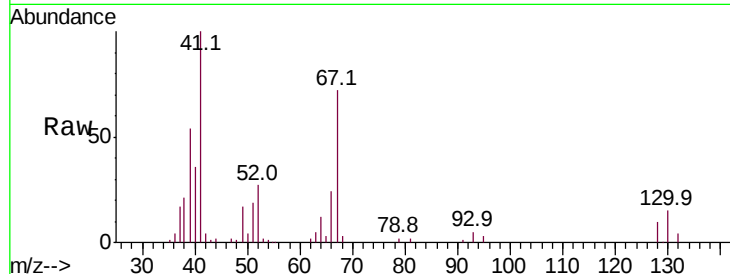
ClientSampleId :

VX0308WBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.6	41.6	62.4
67	69.9	55.8	83.6
52	28.4	21.7	32.5

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 19.252 ug/l

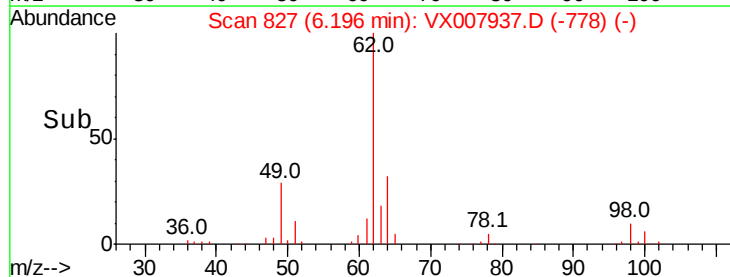
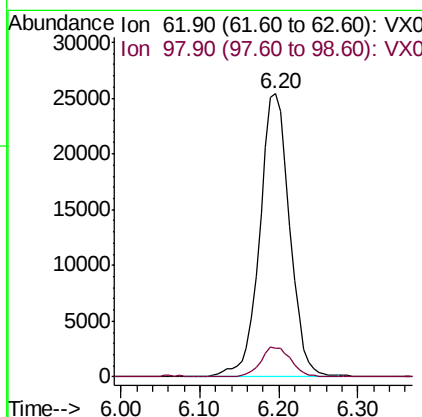
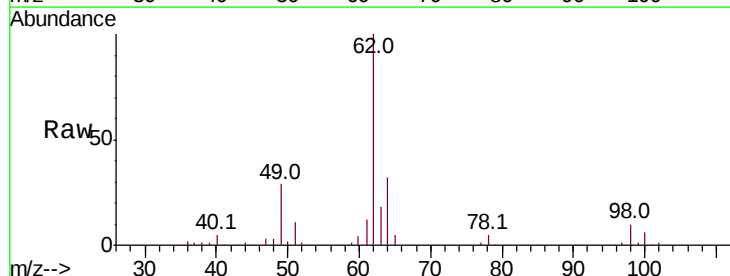
RT: 6.20 min Scan# 827

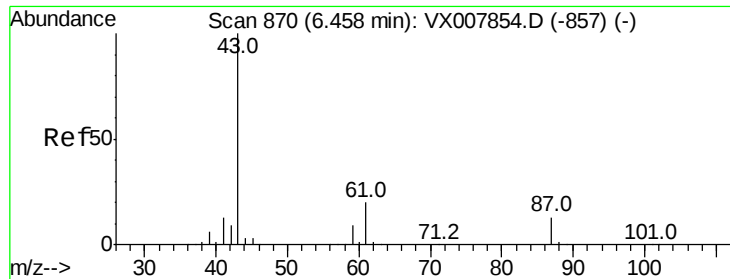
Delta R.T. 0.00 min

Lab File: VX007937.D

Acq: 08 Mar 2019 18:15

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.4





#43

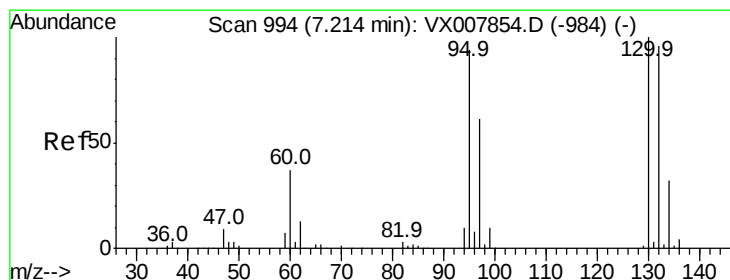
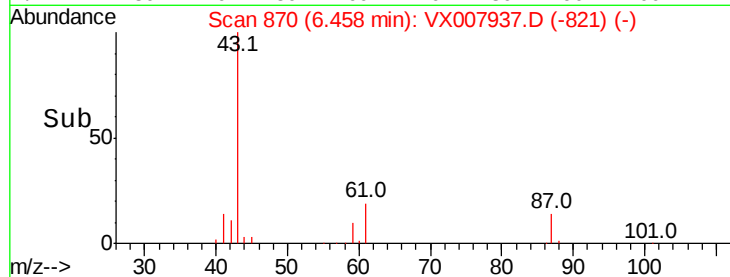
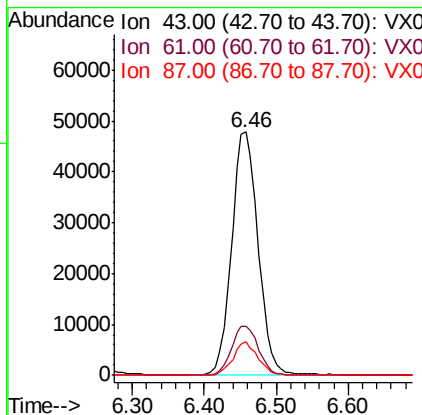
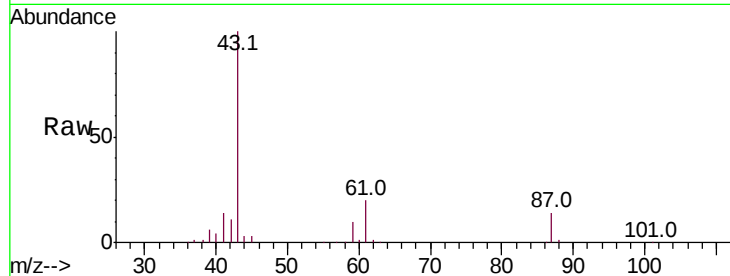
Isopropyl Acetate
 Concen: 19.299 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX007937.D
 Acq: 08 Mar 2019 18:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0308WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.7	16.3	24.5
87	13.0	10.5	15.7

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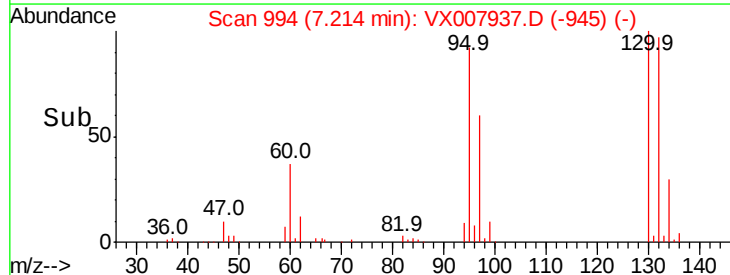
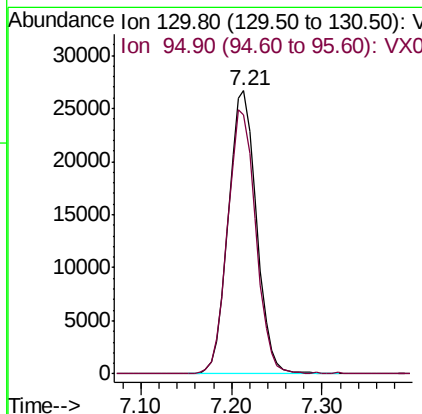
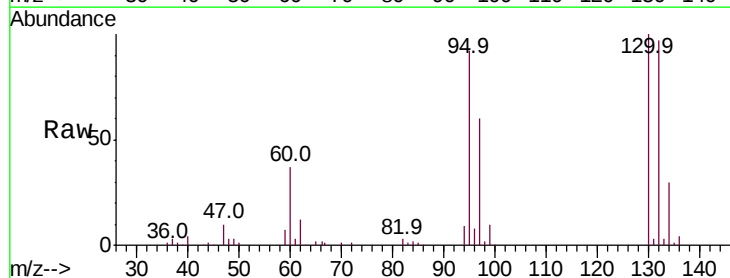
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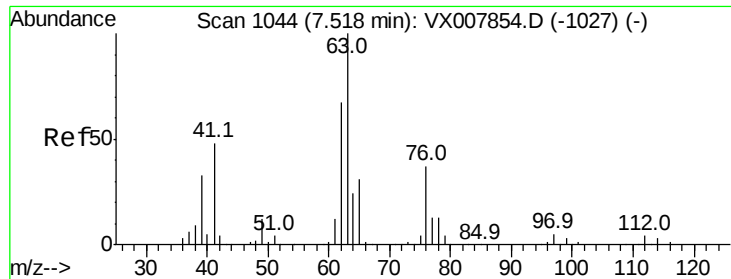


#44

Trichloroethene
 Concen: 19.537 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX007937.D
 Acq: 08 Mar 2019 18:15

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.5	0.0	188.0





#45

1,2-Dichloropropane

Concen: 19.523 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX007937.D

Acq: 08 Mar 2019 18:15

Instrument :

MSVOA_X

ClientSampleId :

VX0308WBS02

Tot Ion: 63 Resp: 55025

Ion Ratio Lower Upper

63 100

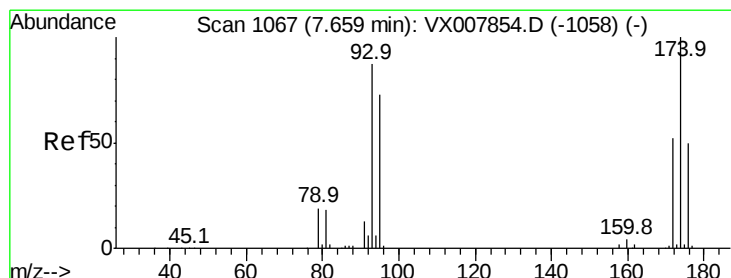
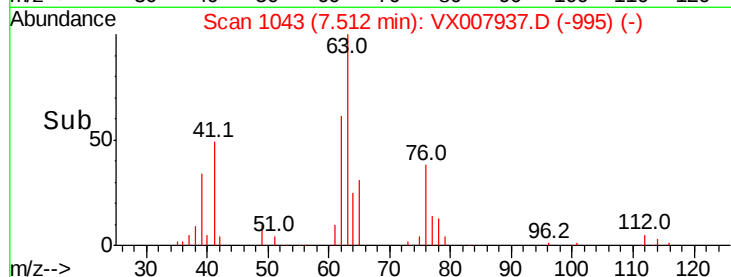
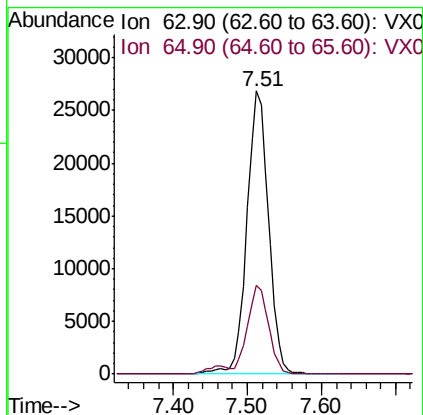
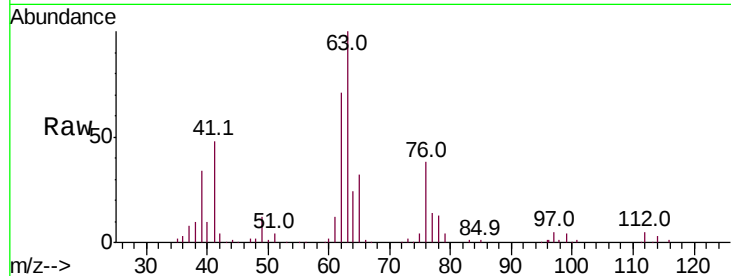
65 31.5 24.7 37.1

Manual Integrations

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#46

Dibromomethane

Concen: 19.476 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX007937.D

Acq: 08 Mar 2019 18:15

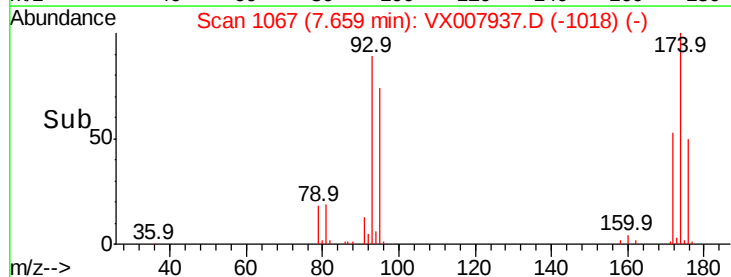
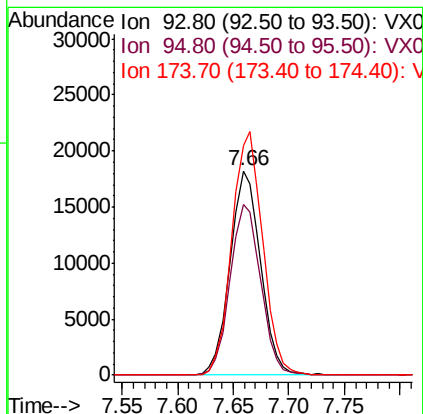
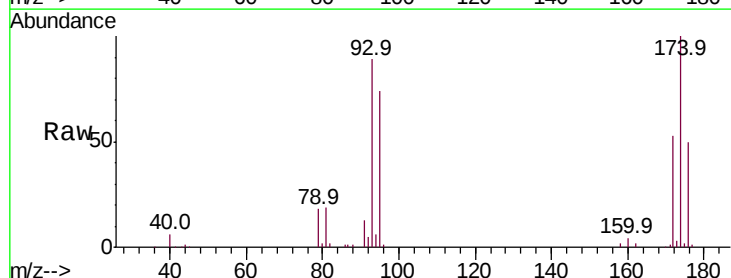
Tgt Ion: 93 Resp: 34739

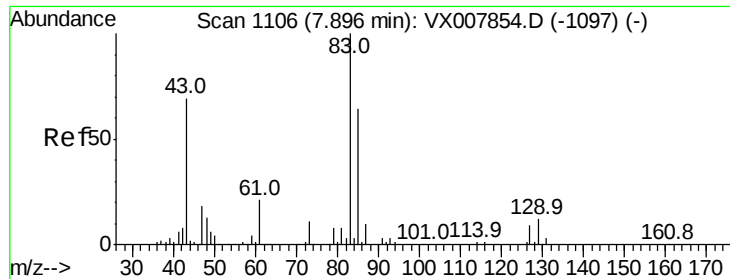
Ion Ratio Lower Upper

93 100

95 83.4 66.8 100.2

174 119.8 97.3 145.9





#47

Bromodichloromethane

Concen: 18.721 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007937.D

Acq: 08 Mar 2019 18:15

Instrument :

MSVOA_X

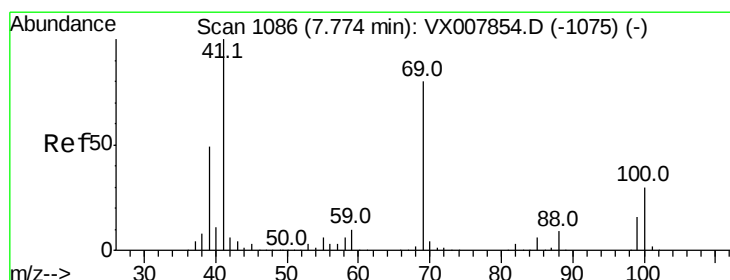
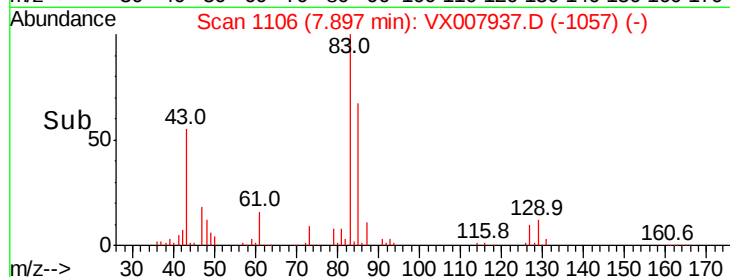
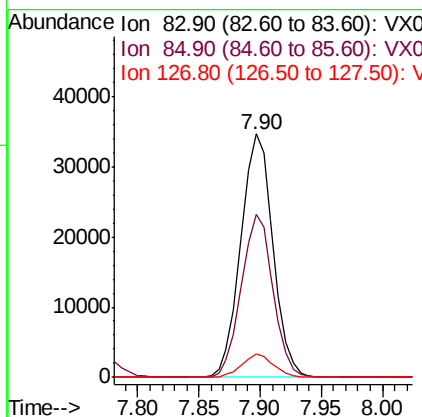
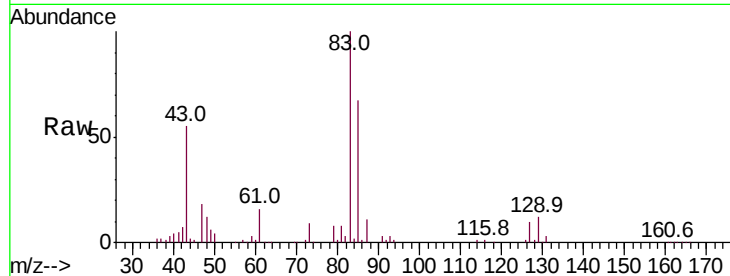
ClientSampleId :

VX0308WBS02

Tot Ion:	83	Resp:	63308
Ion	Ratio	Lower	Upper
83	100		
85	66.9	50.9	76.3
127	9.5	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.273 ug/l

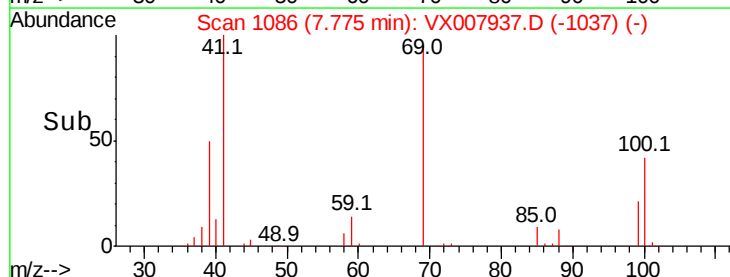
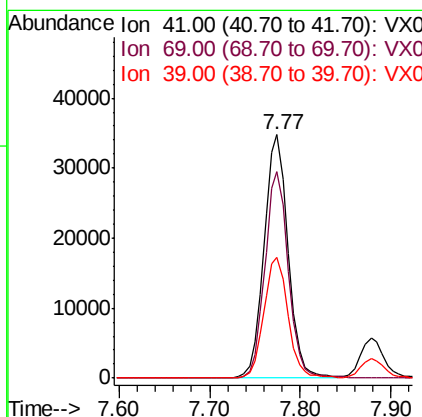
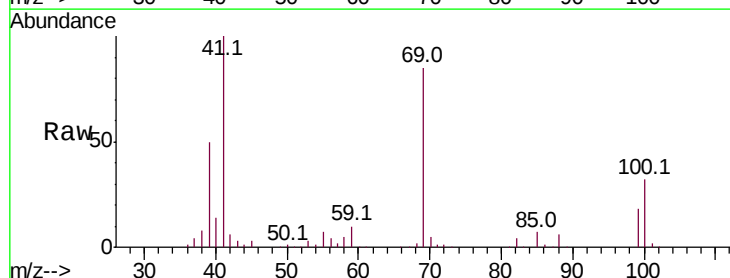
RT: 7.77 min Scan# 1086

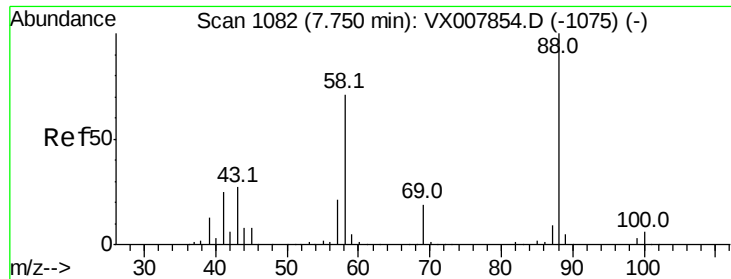
Delta R.T. 0.00 min

Lab File: VX007937.D

Acq: 08 Mar 2019 18:15

Tgt Ion:	41	Resp:	63791
Ion	Ratio	Lower	Upper
41	100		
69	83.0	65.2	97.8
39	50.2	39.4	59.2





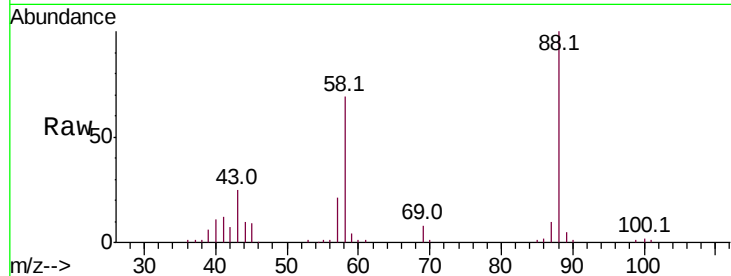
#49
1,4-Dioxane
Concen: 386.508 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. -0.01 min
Lab File: VX007937.D
Acq: 08 Mar 2019 18:15

Instrument :
MSVOA_X
ClientSampled :
VX0308WBS02

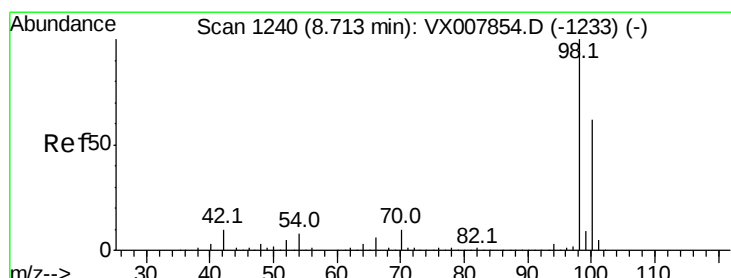
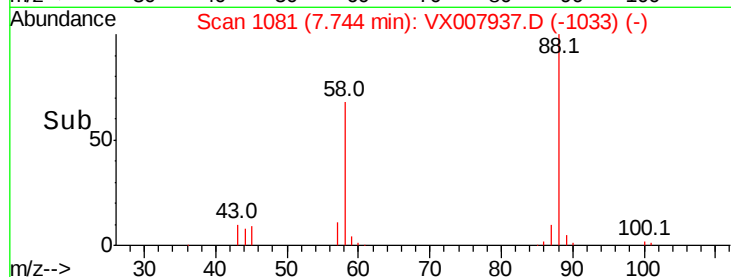
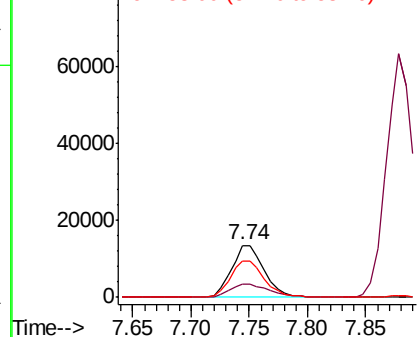
Tot Ion	Ratio	Lower	Upper
88	100		
43	31.1	25.1	37.7
58	73.1	57.8	86.6

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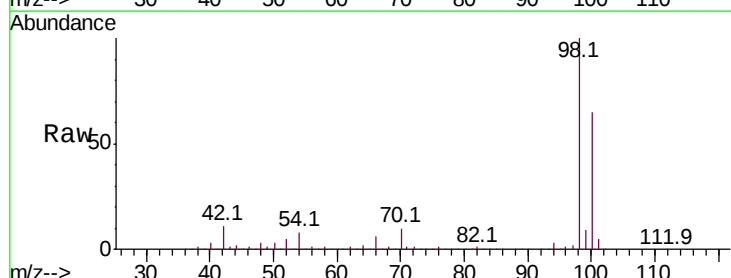


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

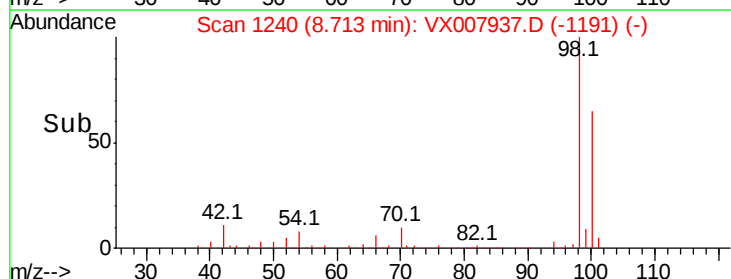
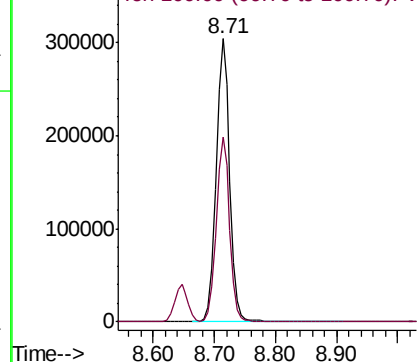


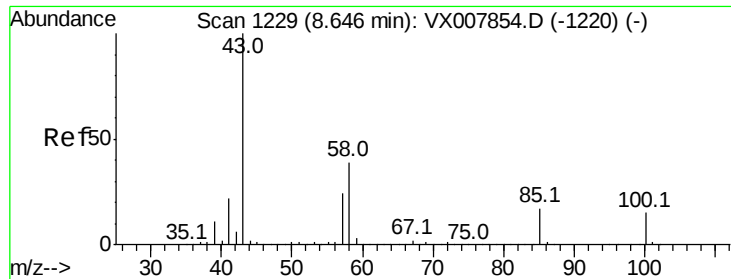
#50
Toluene-d8
Concen: 50.629 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007937.D
Acq: 08 Mar 2019 18:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.7	77.5



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





#51

4-Methyl-2-Pentanone

Concen: 100.605 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007937.D

Acq: 08 Mar 2019 18:15

Instrument :

MSVOA_X

ClientSampleId :

VX0308WBS02

Tot Ion: 43 Resp: 407301

Ion Ratio Lower Upper

43 100

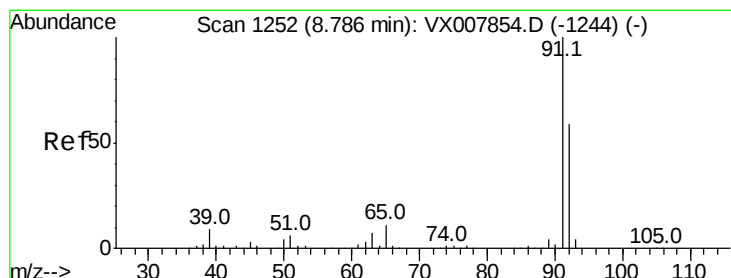
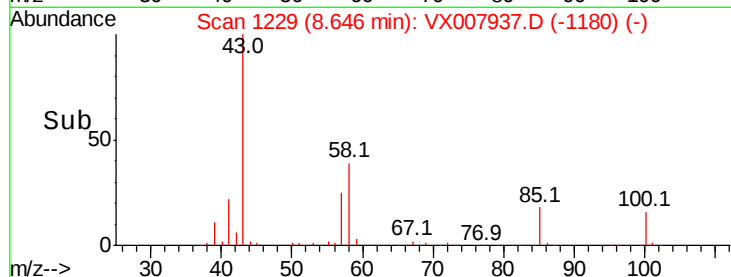
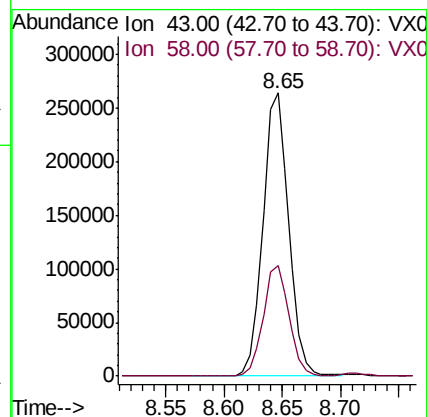
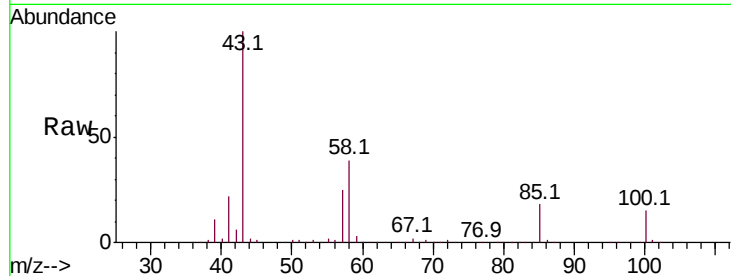
58 39.2 31.3 46.9

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#52

Toluene

Concen: 20.080 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007937.D

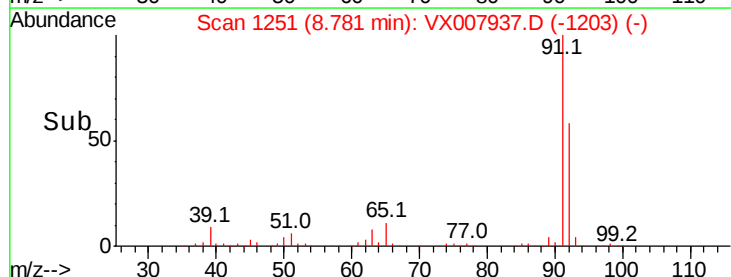
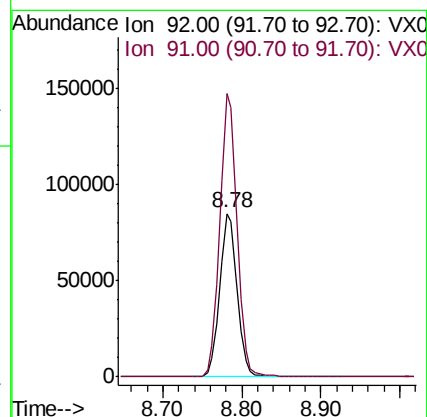
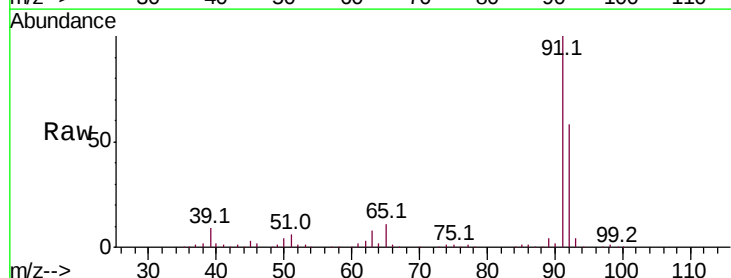
Acq: 08 Mar 2019 18:15

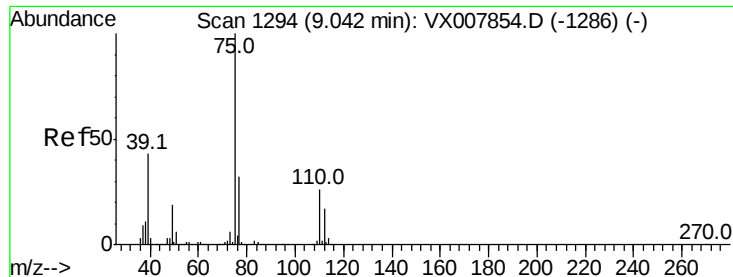
Tgt Ion: 92 Resp: 130820

Ion Ratio Lower Upper

92 100

91 172.8 137.4 206.0





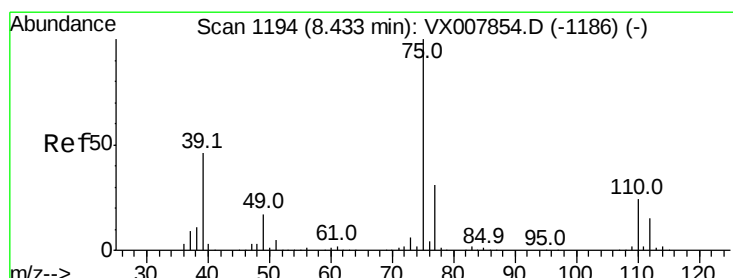
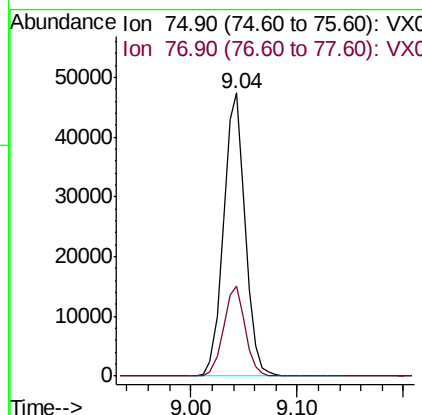
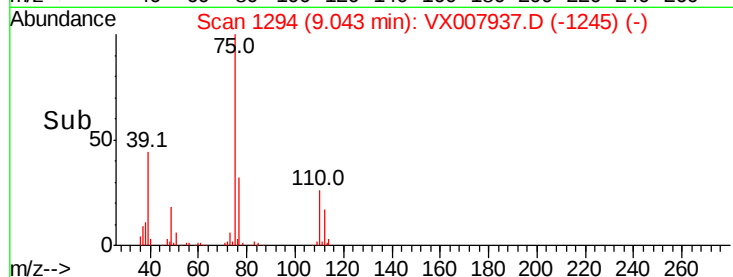
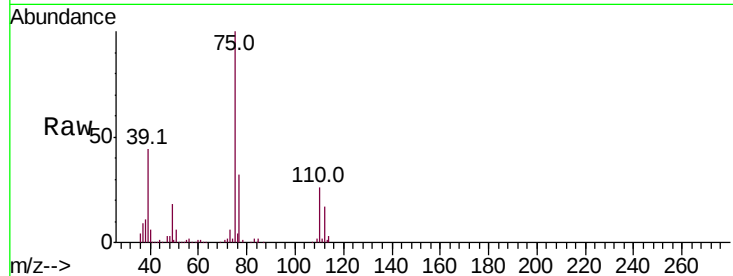
#53
t-1,3-Dichloropropene
Concen: 18.969 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX007937.D
Acq: 08 Mar 2019 18:15

Instrument :
MSVOA_X
ClientSampleId :
VX0308WBS02

Tot Ion: 75 Resp: 66956
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.0

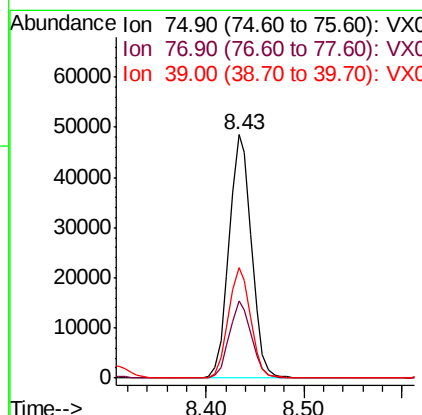
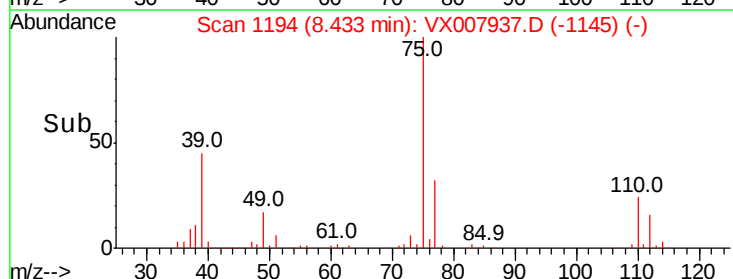
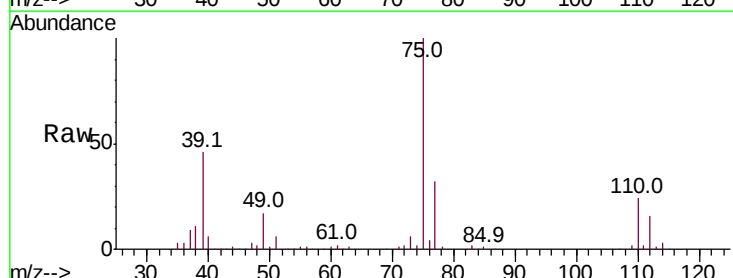
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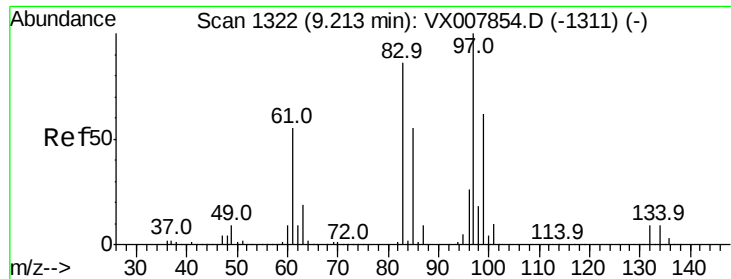
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#54
cis-1,3-Dichloropropene
Concen: 19.416 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX007937.D
Acq: 08 Mar 2019 18:15

Tgt Ion: 75 Resp: 77391
Ion Ratio Lower Upper
75 100
77 31.6 25.0 37.6
39 45.6 36.6 54.8





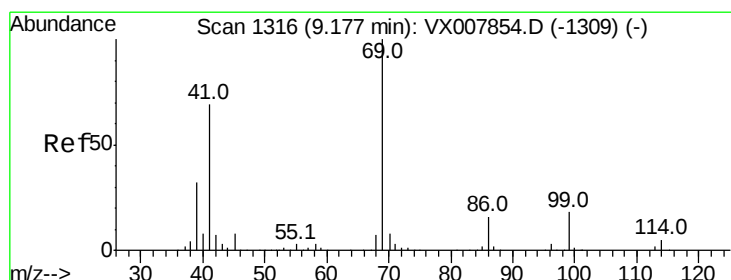
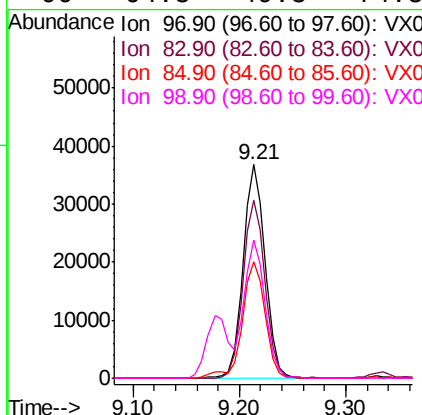
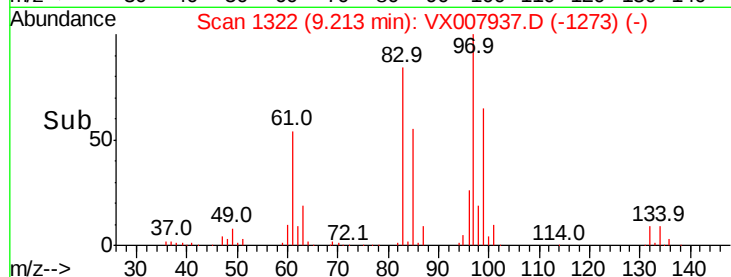
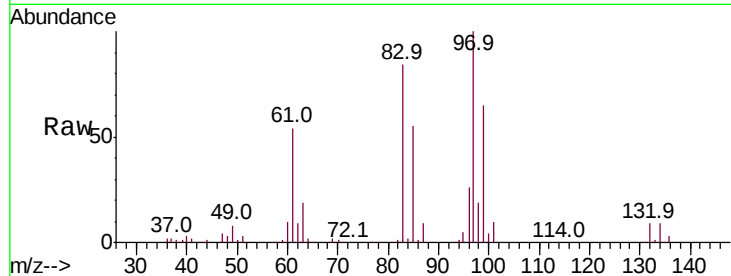
#55
 1,1,2-Trichloroethane
 Concen: 20.220 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007937.D
 Acq: 08 Mar 2019 18:15

Instrument :
 MSVOA_X
 ClientSampled :
 VX0308WBS02

Tot Ion:	97	Resp:	53326
Ion	Ratio	Lower	Upper
97	100		
83	83.6	69.1	103.7
85	54.7	44.3	66.5
99	64.8	49.8	74.8

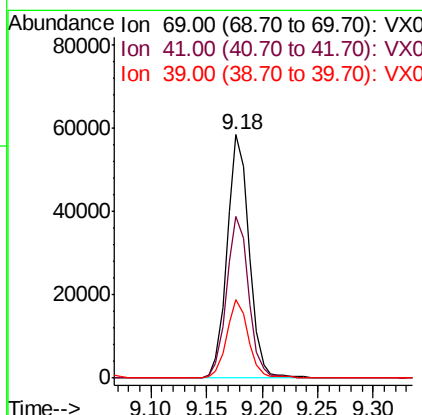
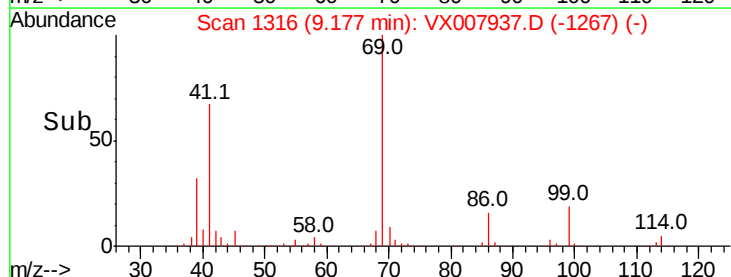
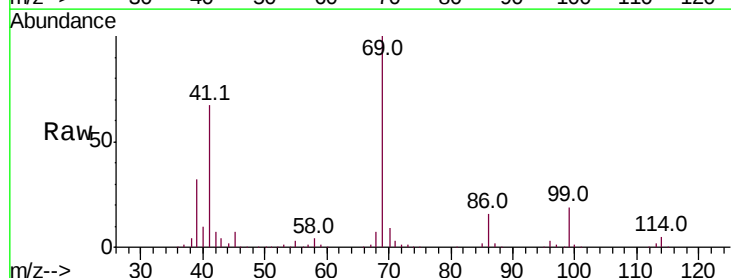
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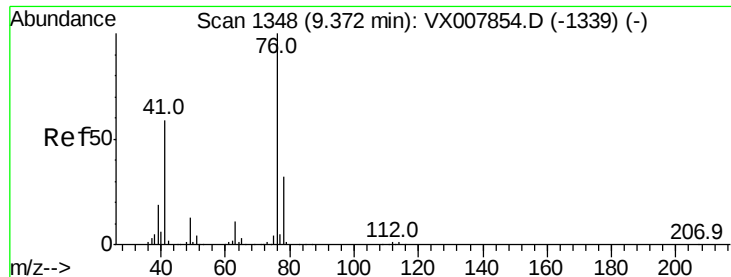
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#56
 Ethyl methacrylate
 Concen: 20.170 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX007937.D
 Acq: 08 Mar 2019 18:15

Tgt Ion:	69	Resp:	79869
Ion	Ratio	Lower	Upper
69	100		
41	67.4	54.2	81.4
39	32.3	25.0	37.4





#57

1,3-Dichloropropane

Concen: 19.975 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007937.D

Acq: 08 Mar 2019 18:15

Instrument :

MSVOA_X

ClientSampled :

VX0308WBS02

Tot Ion: 76 Resp: 88457

Ion Ratio Lower Upper

76 100

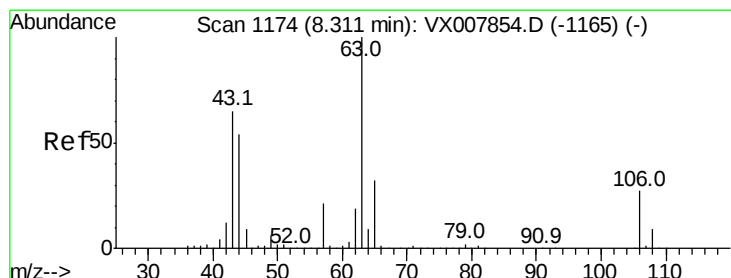
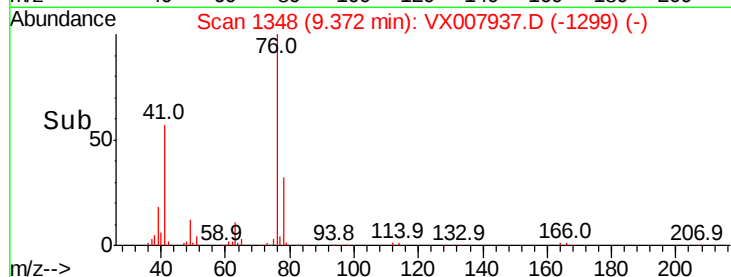
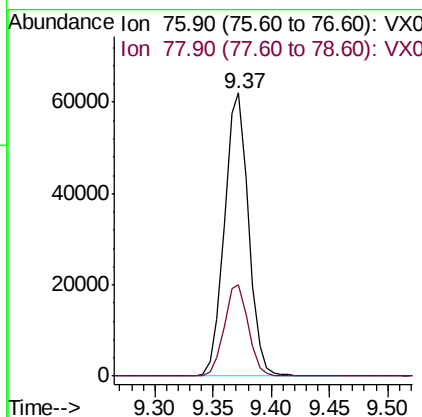
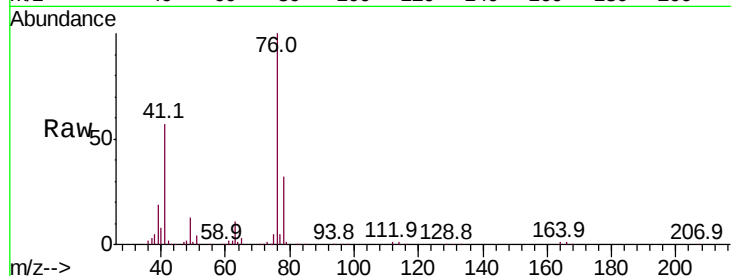
78 32.2 25.5 38.3

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 97.611 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007937.D

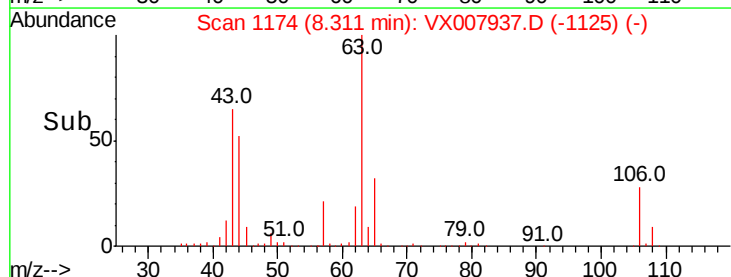
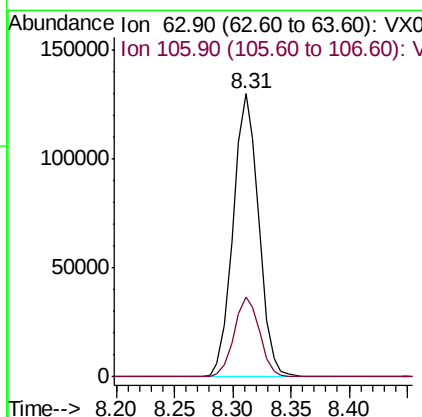
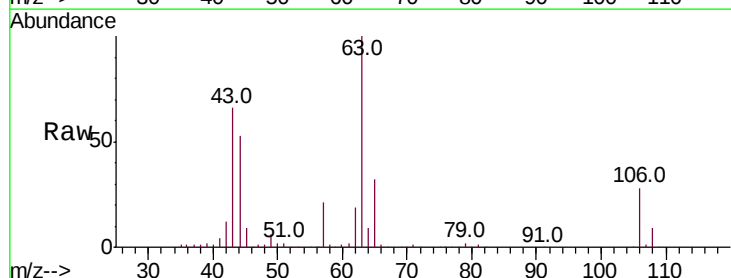
Acq: 08 Mar 2019 18:15

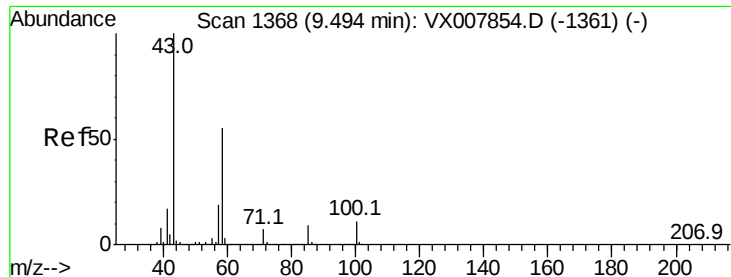
Tgt Ion: 63 Resp: 199941

Ion Ratio Lower Upper

63 100

106 28.2 22.2 33.2





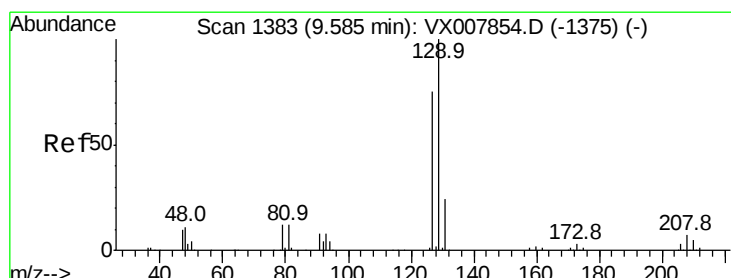
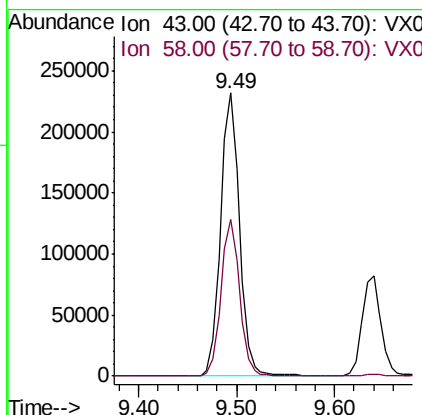
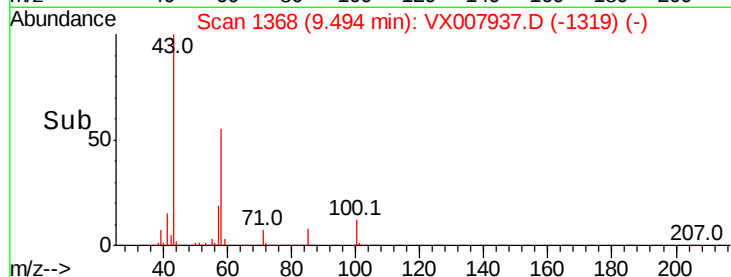
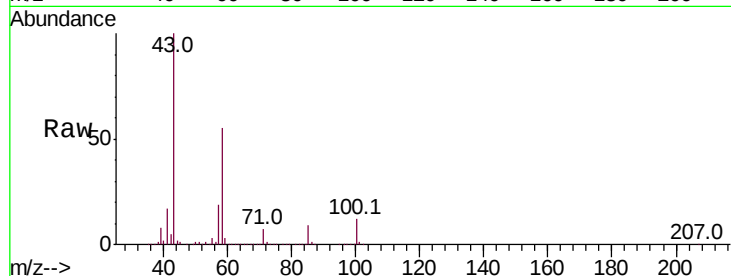
#59
2-Hexanone
Concen: 98.917 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007937.D
Acq: 08 Mar 2019 18:15

Instrument :
MSVOA_X
ClientSampled :
VX0308WBS02

Tot Ion: 43 Resp: 310914
Ion Ratio Lower Upper
43 100
58 54.7 27.6 82.7

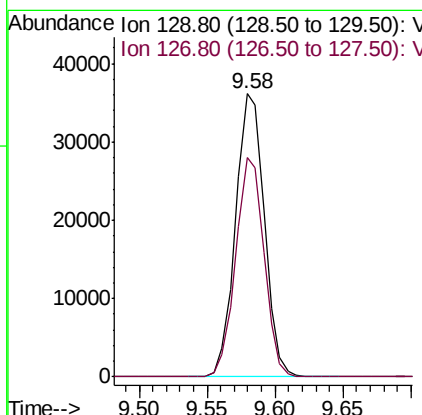
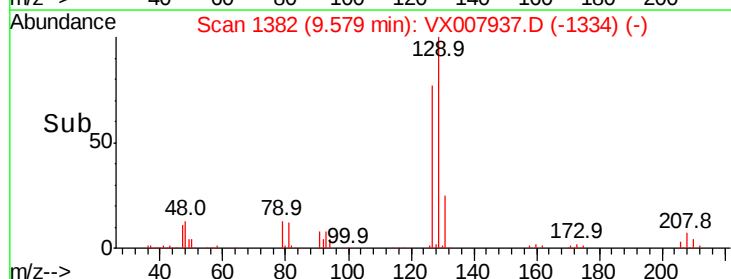
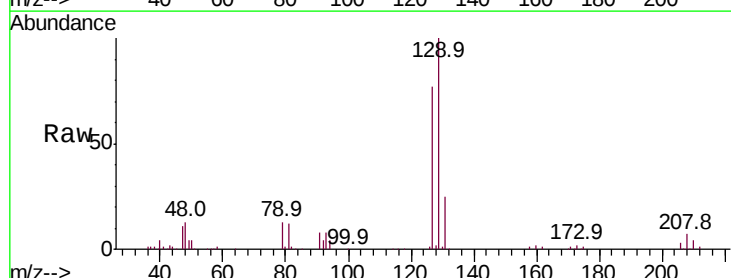
Manual Integrations
APPROVED

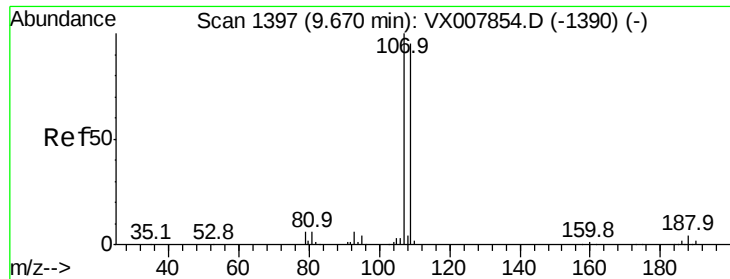
MMDadoda
3/11/2019 12:02:20 PM



#60
Dibromochloromethane
Concen: 19.309 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX007937.D
Acq: 08 Mar 2019 18:15

Tgt Ion: 129 Resp: 53227
Ion Ratio Lower Upper
129 100
127 76.8 38.3 114.8





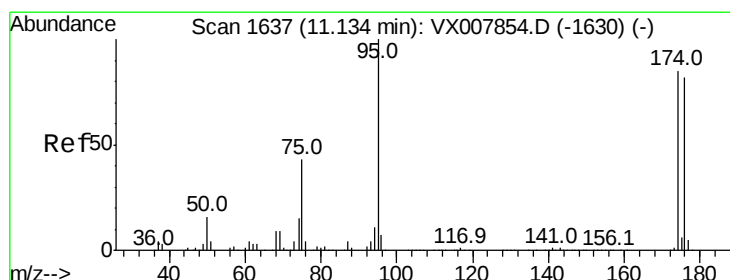
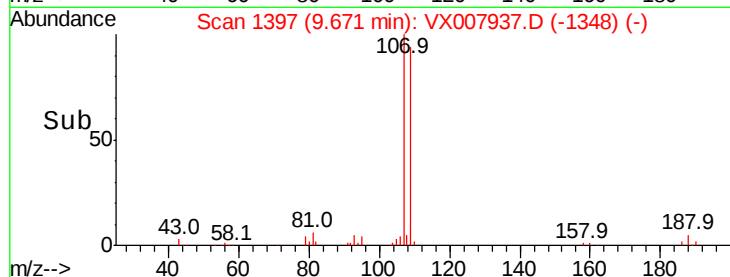
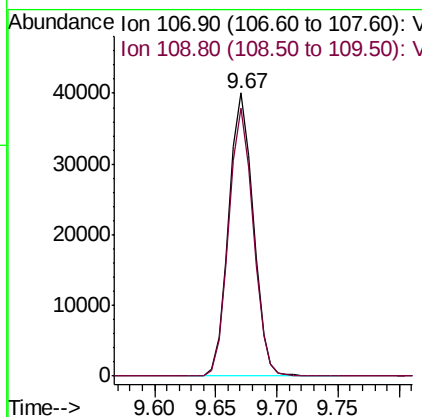
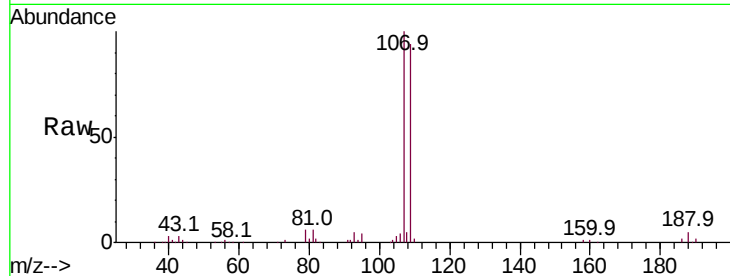
#61
 1,2-Dibromoethane
 Concen: 19.800 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX007937.D
 Acq: 08 Mar 2019 18:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0308WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.8	113.8

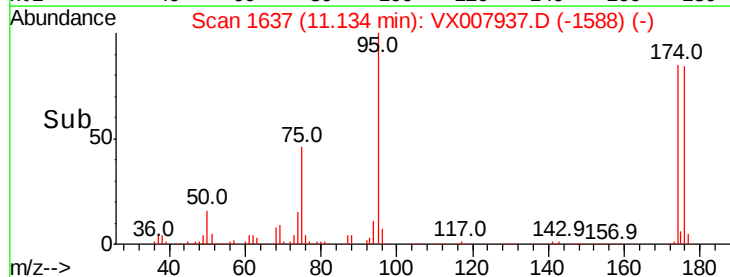
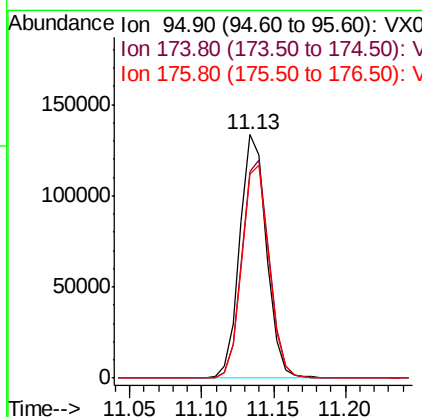
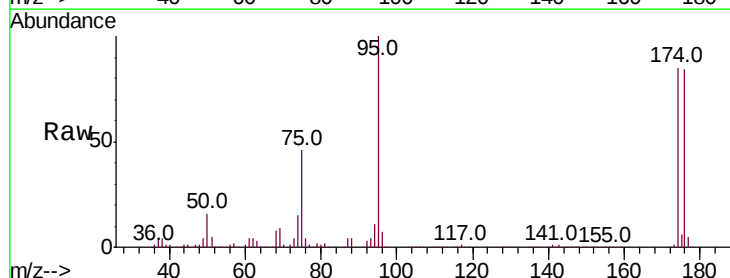
Manual Integrations
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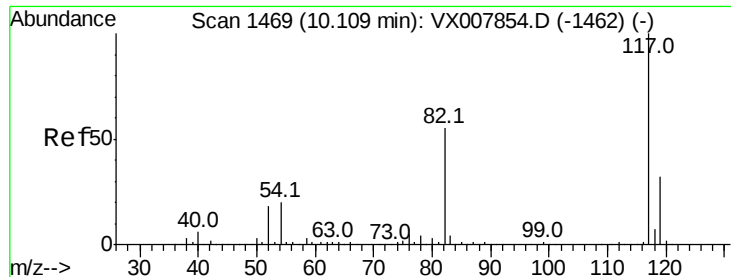
MMDadoda
 3/11/2019 12:02:20 PM



#62
 4-Bromofluorobenzene
 Concen: 52.753 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX007937.D
 Acq: 08 Mar 2019 18:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.9	0.0	182.8
176	88.8	0.0	178.0





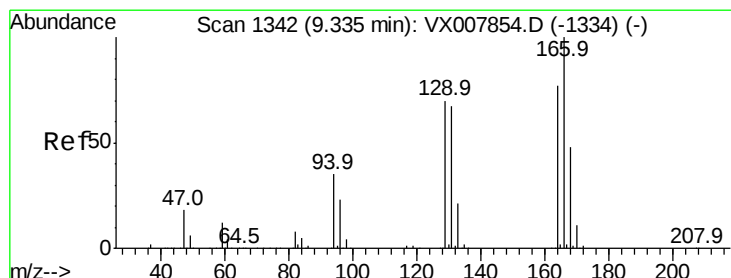
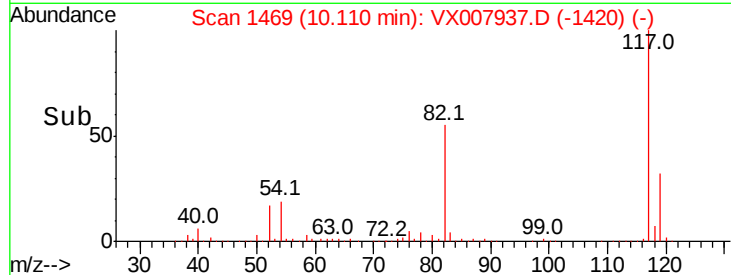
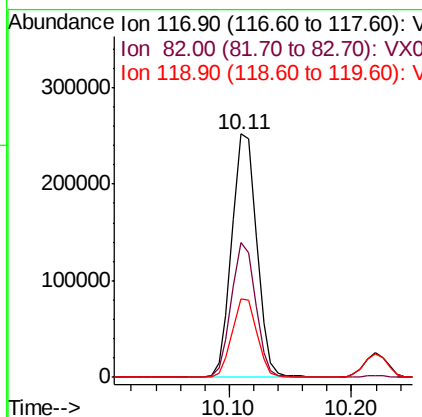
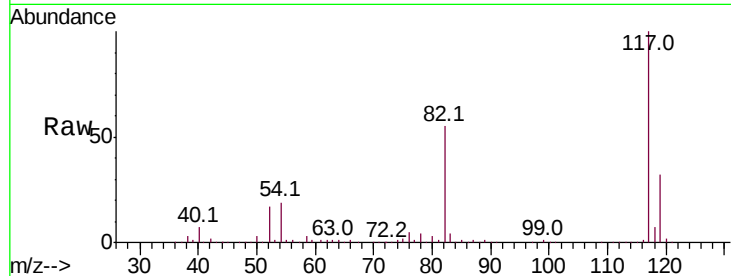
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VX007937.D
 Acq: 08 Mar 2019 18:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0308WBS02

Tot Ion:	117	Resp:	356008
Ion Ratio	Lower	Upper	
117	100		
82	55.2	44.3	66.5
119	32.1	25.3	37.9

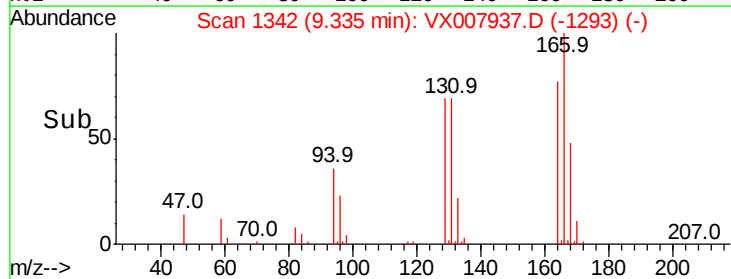
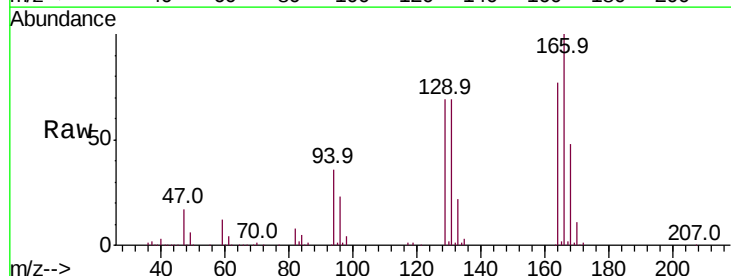
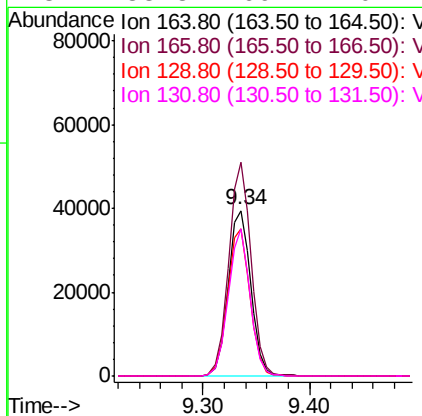
Manual Integrations
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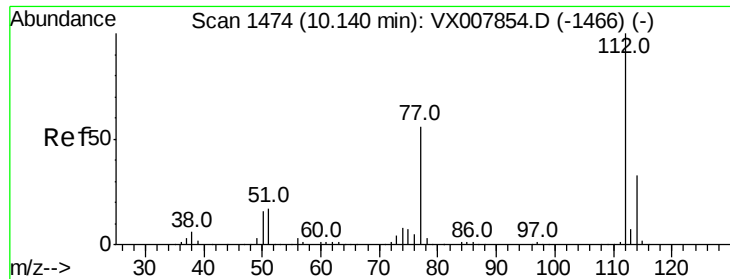
MMDadoda
 3/11/2019 12:02:20 PM



#64
 Tetrachloroethene
 Concen: 19.949 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. 0.00 min
 Lab File: VX007937.D
 Acq: 08 Mar 2019 18:15

Tgt Ion:	164	Resp:	58854
Ion Ratio	Lower	Upper	
164	100		
166	129.2	103.4	155.0
129	89.1	72.2	108.4
131	88.8	69.4	104.2





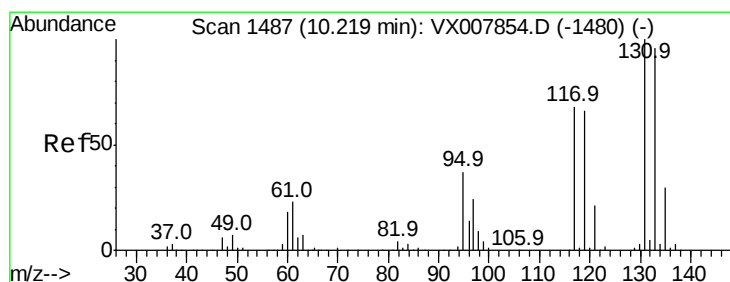
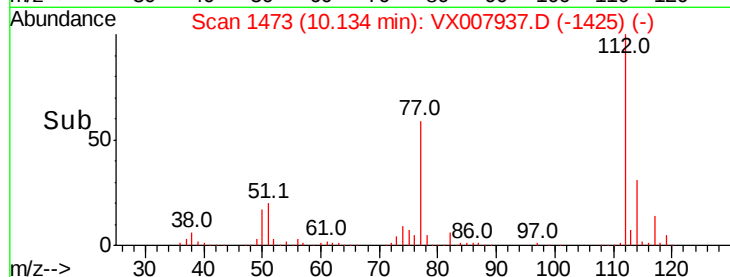
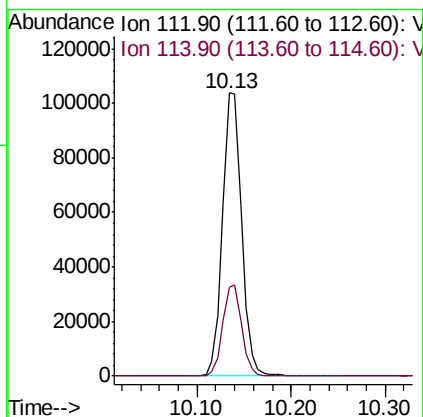
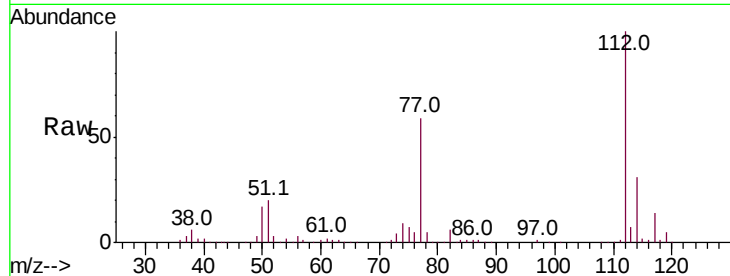
#65
Chlorobenzene
Concen: 19.662 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX007937.D
Acq: 08 Mar 2019 18:15

Instrument :
MSVOA_X
ClientSampleId :
VX0308WBS02

Tot Ion:112 Resp: 146477
Ion Ratio Lower Upper
112 100
114 31.5 26.0 39.0

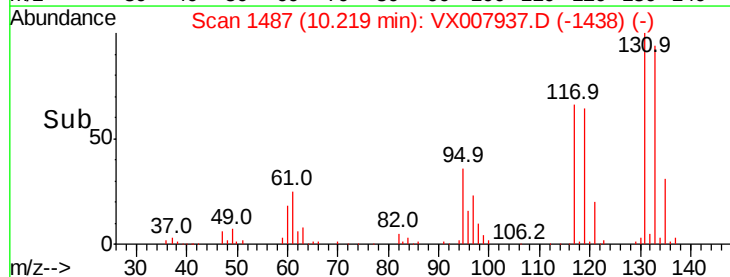
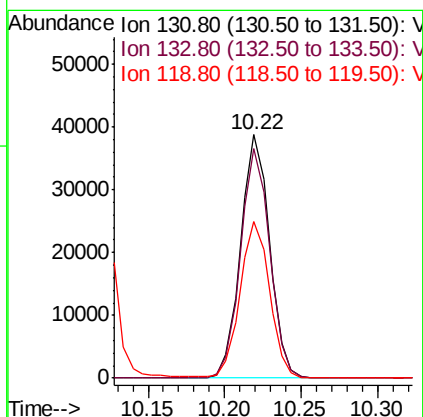
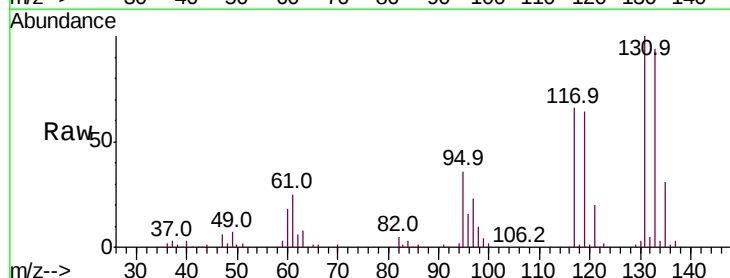
Manual Integrations
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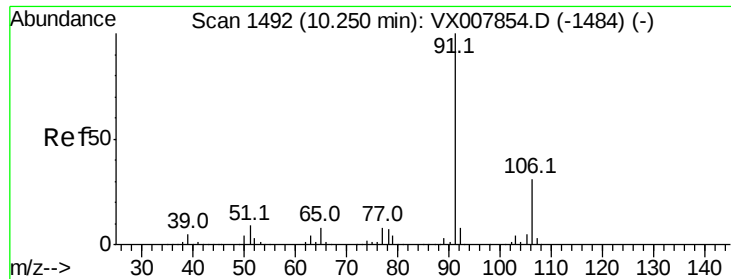
MMDadoda
3/11/2019 12:02:20 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.171 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX007937.D
Acq: 08 Mar 2019 18:15

Tgt Ion:131 Resp: 51186
Ion Ratio Lower Upper
131 100
133 94.7 47.8 143.3
119 65.6 32.5 97.5





#67

Ethyl Benzene

Concen: 20.162 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007937.D

Acq: 08 Mar 2019 18:15

Instrument :

MSVOA_X

ClientSampleId :

VX0308WBS02

Tot Ion: 91 Resp: 247247

Ion Ratio Lower Upper

91 100

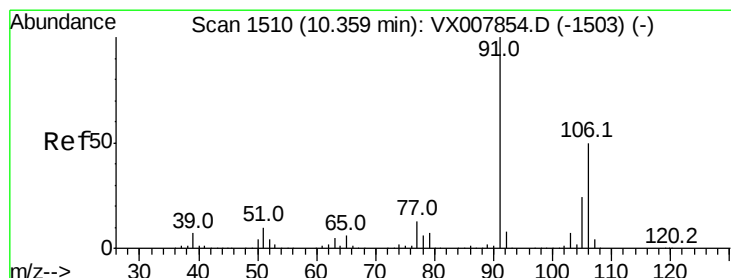
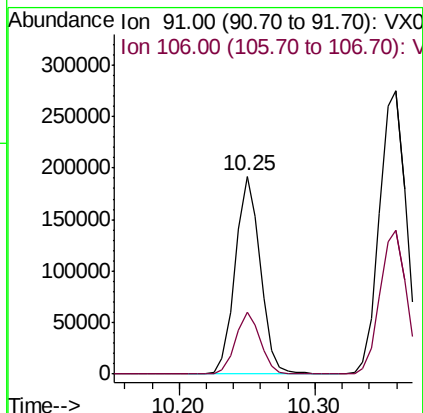
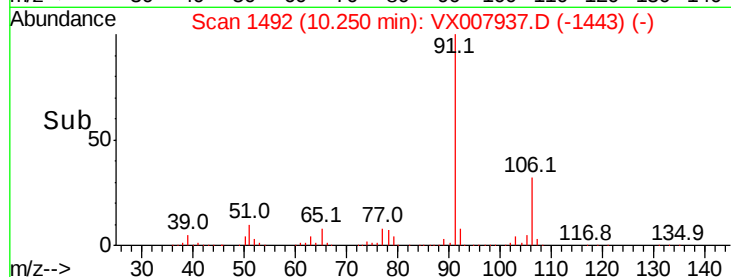
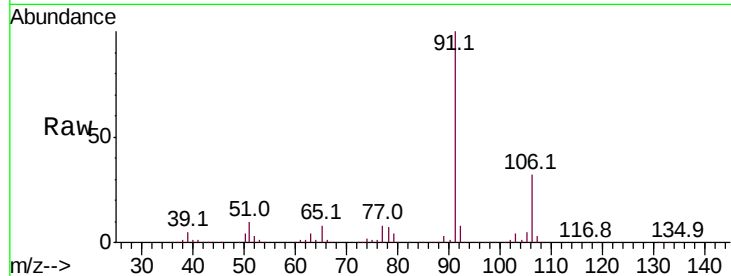
106 31.6 25.2 37.8

Manual Integrations

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MMDadoda

3/11/2019 12:02:20 PM



#68

m/p-Xylenes

Concen: 40.168 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007937.D

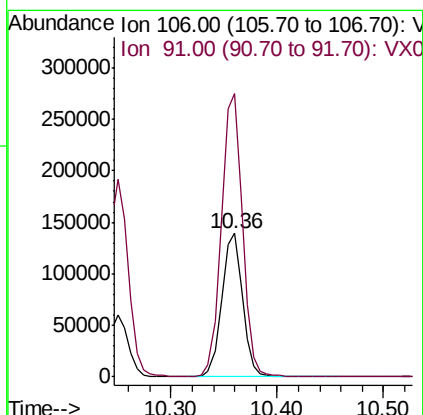
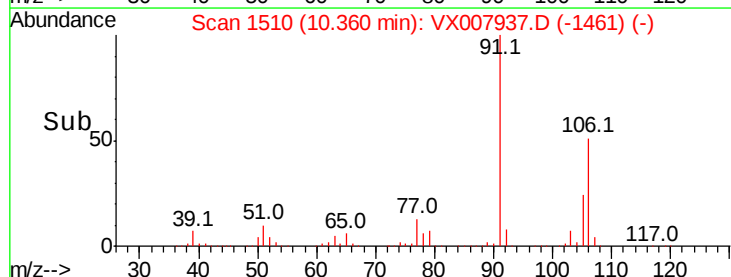
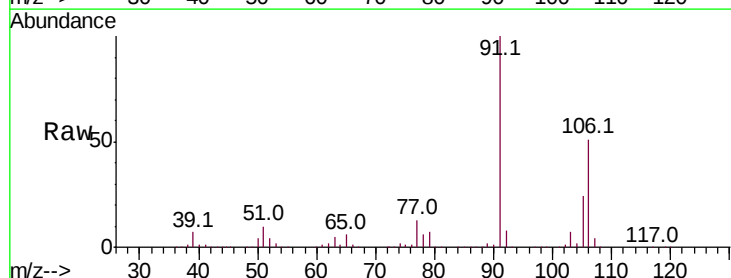
Acq: 08 Mar 2019 18:15

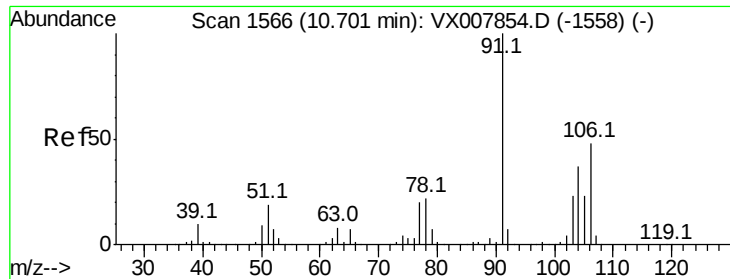
Tgt Ion: 106 Resp: 189865

Ion Ratio Lower Upper

106 100

91 201.2 159.8 239.6





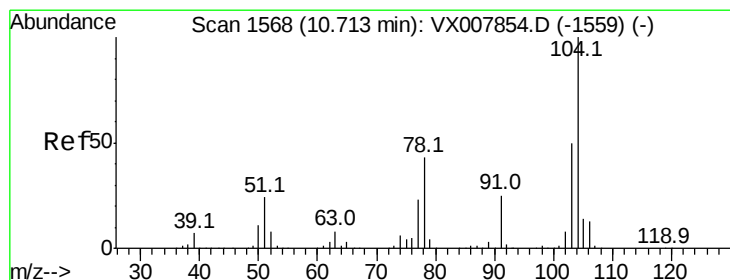
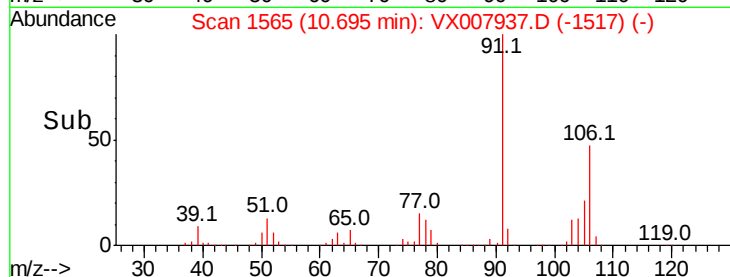
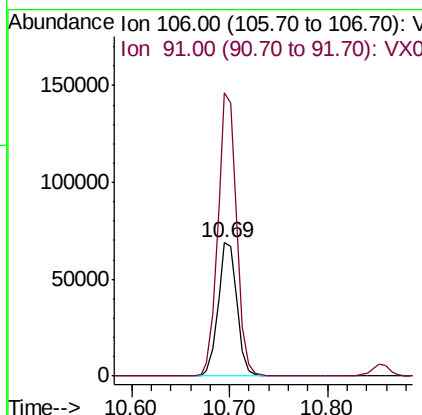
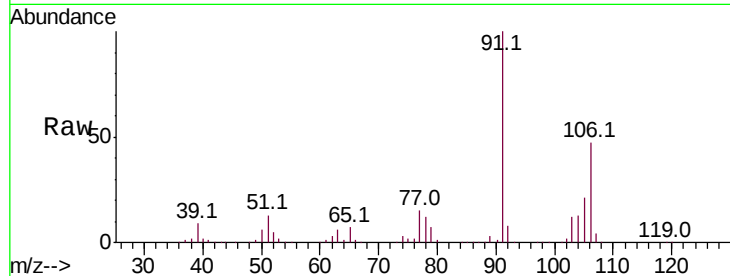
#69
o-Xylene
Concen: 20.042 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX007937.D
Acq: 08 Mar 2019 18:15

Instrument :
MSVOA_X
ClientSampleId :
VX0308WBS02

Tot Ion:106 Resp: 91461
Ion Ratio Lower Upper
106 100
91 210.7 106.3 318.9

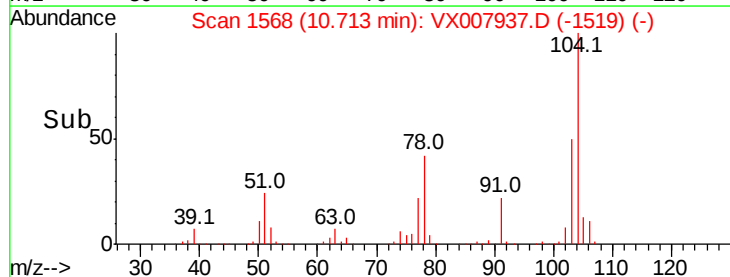
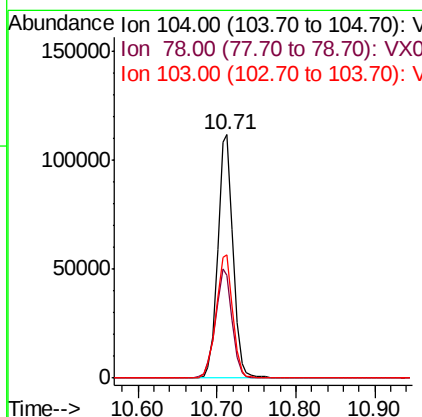
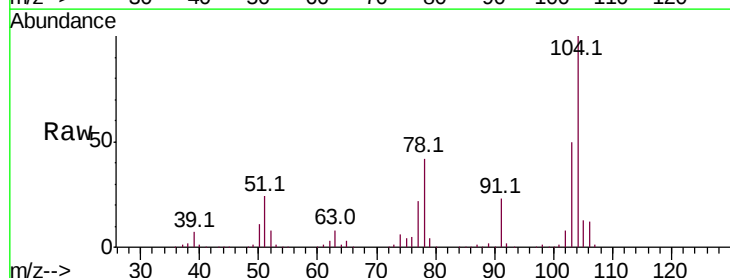
Manual Integrations
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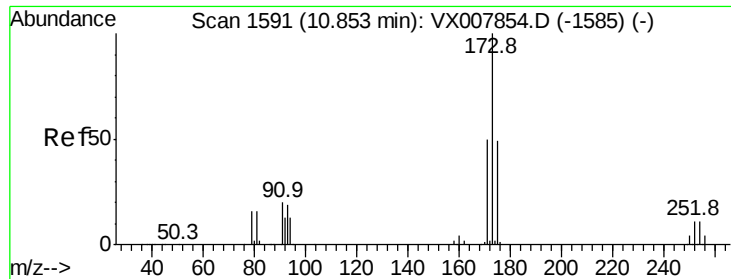
MMDadoda
3/11/2019 12:02:20 PM



#70
Styrene
Concen: 20.192 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007937.D
Acq: 08 Mar 2019 18:15

Tgt Ion:104 Resp: 150786
Ion Ratio Lower Upper
104 100
78 48.8 38.5 57.7
103 55.3 44.1 66.1





#71

Bromoform

Concen: 18.292 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX007937.D

Acq: 08 Mar 2019 18:15

Instrument :

MSVOA_X

ClientSampleId :

VX0308WBS02

Tot Ion:173 Resp: 41942

Ion Ratio Lower Upper

173 100

175 48.3 24.3 72.9

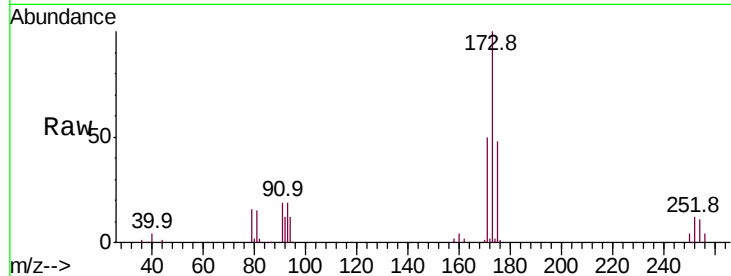
254 0.1 0.1 0.1#

Manual Integrations

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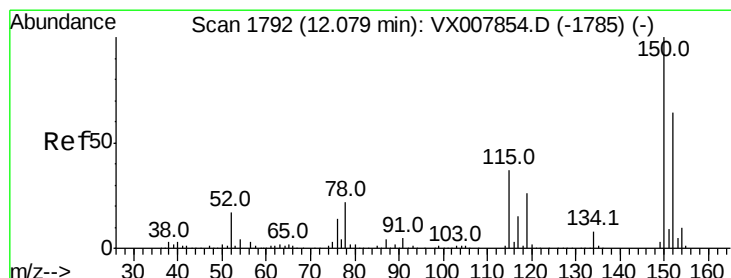
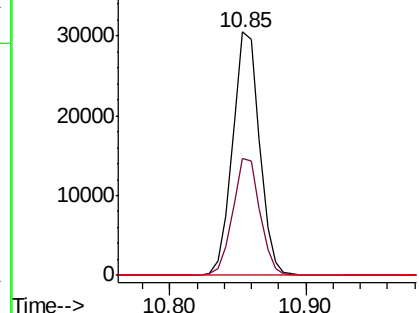
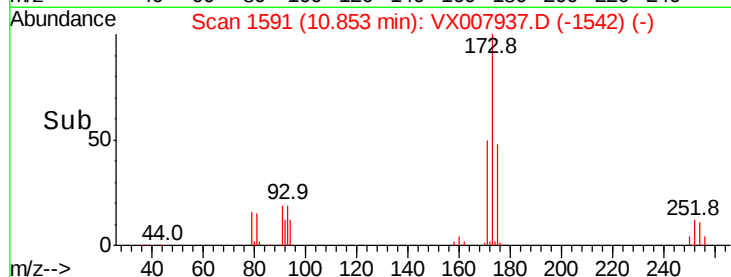
3/11/2019 12:02:20 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007937.D

Acq: 08 Mar 2019 18:15

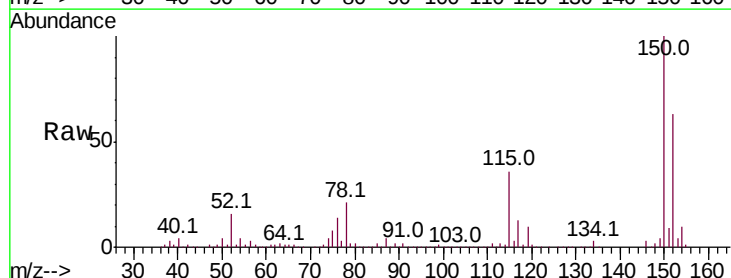
Tgt Ion:152 Resp: 182865

Ion Ratio Lower Upper

152 100

115 63.7 38.6 115.7

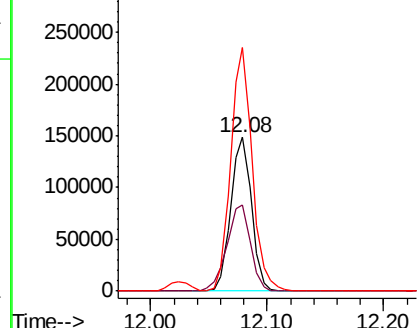
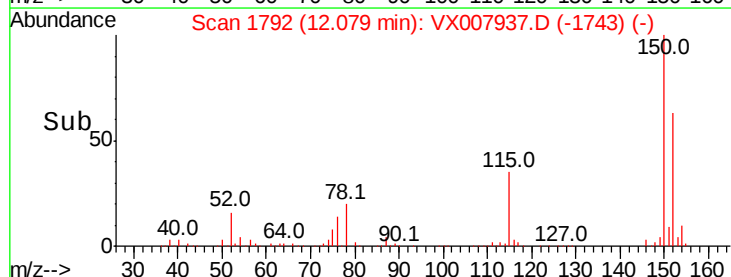
150 162.9 0.0 348.4

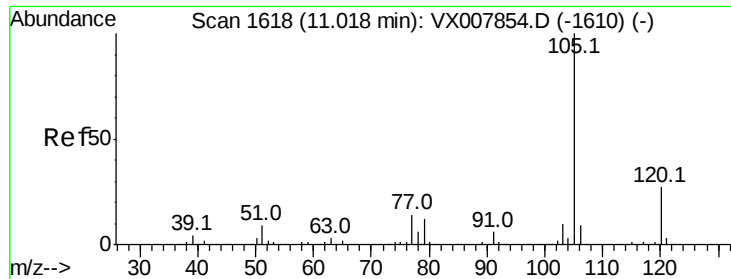


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





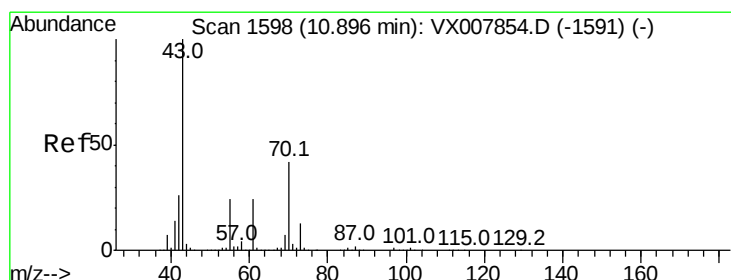
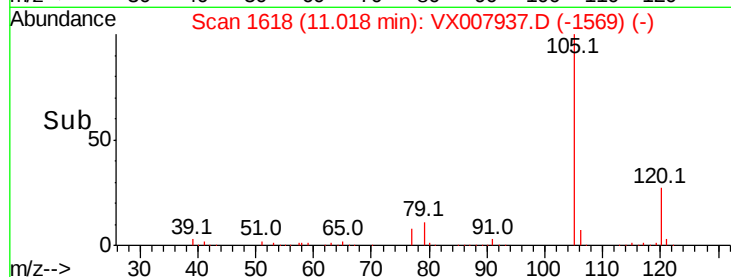
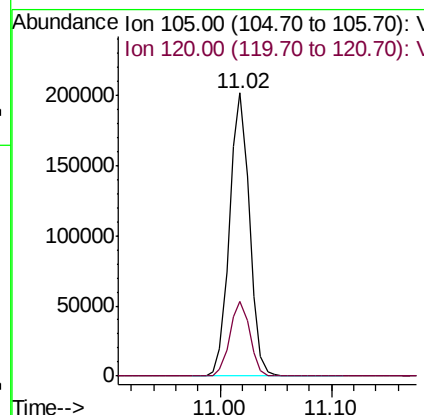
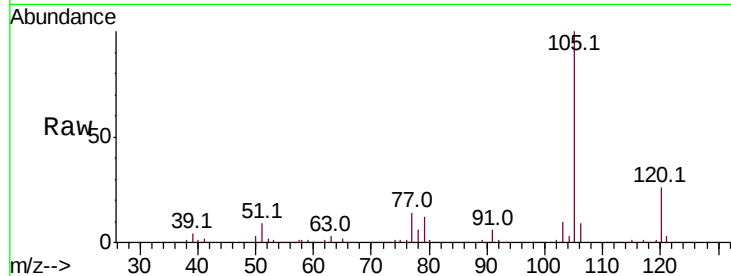
#73
Isopropylbenzene
Concen: 20.156 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX007937.D
Acq: 08 Mar 2019 18:15

Instrument :
MSVOA_X
ClientSampleId :
VX0308WBS02

Tot Ion: 105 Resp: 249274
Ion Ratio Lower Upper
105 100
120 26.5 13.4 40.1

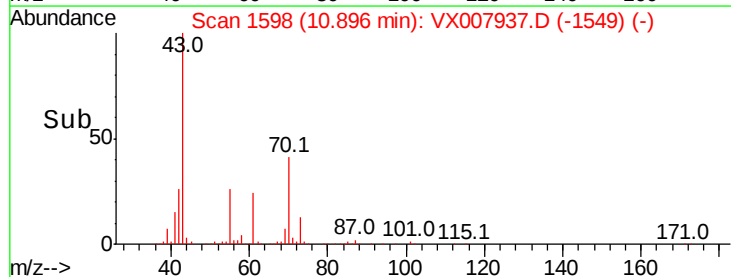
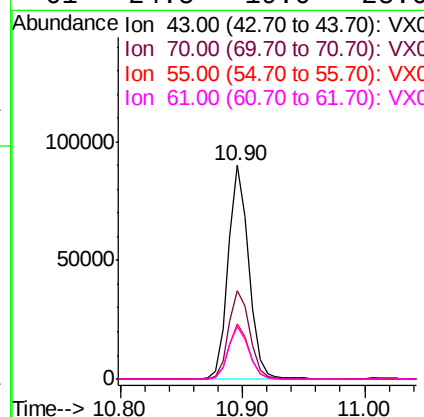
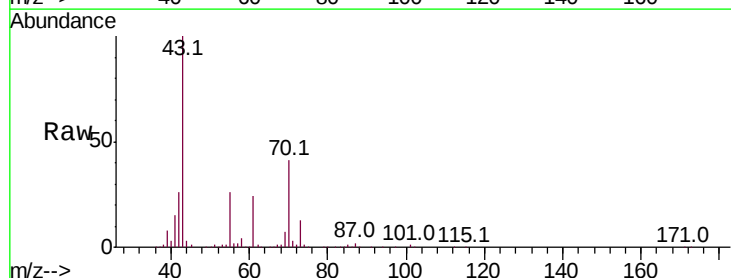
Manual Integrations
APPROVED

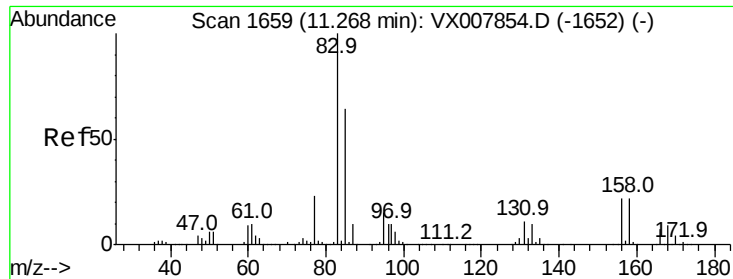
MMDadoda
3/11/2019 12:02:20 PM



#74
N-ethyl acetate
Concen: 18.542 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX007937.D
Acq: 08 Mar 2019 18:15

Tgt Ion: 43 Resp: 104690
Ion Ratio Lower Upper
43 100
70 42.4 33.5 50.3
55 25.6 19.2 28.8
61 24.5 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.717 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007937.D

Acq: 08 Mar 2019 18:15

Instrument :

MSVOA_X

ClientSampleId :

VX0308WBS02

Tot Ion: 83 Resp: 79846

Ion Ratio Lower Upper

83 100

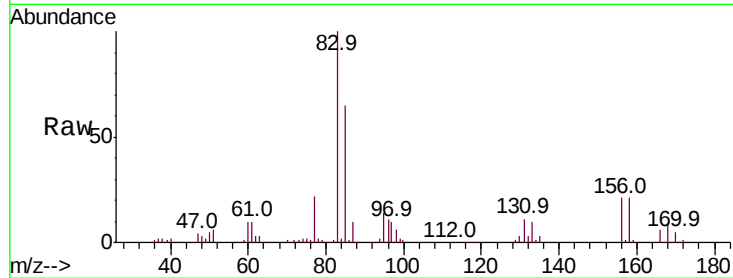
131 10.8 5.4 16.2

85 64.8 32.3 96.8

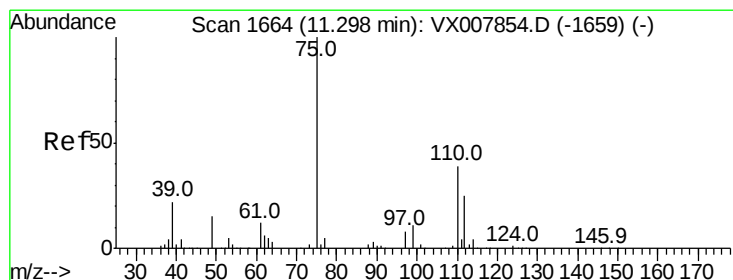
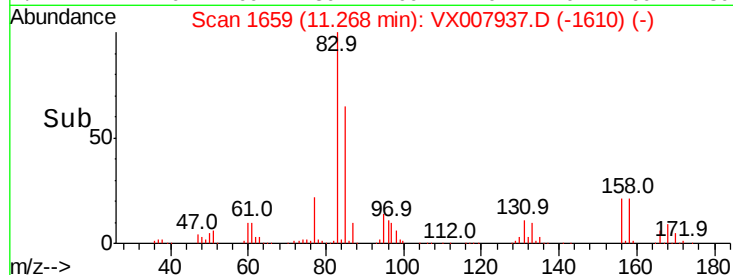
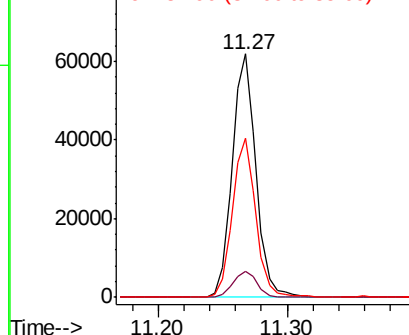
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 19.930 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX007937.D

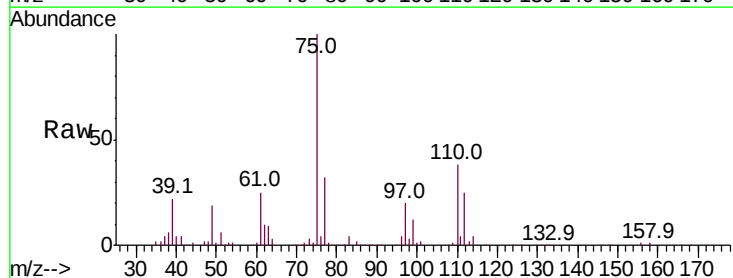
Acq: 08 Mar 2019 18:15

Tgt Ion: 75 Resp: 76475

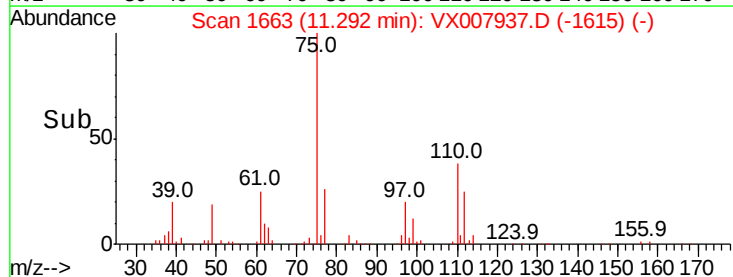
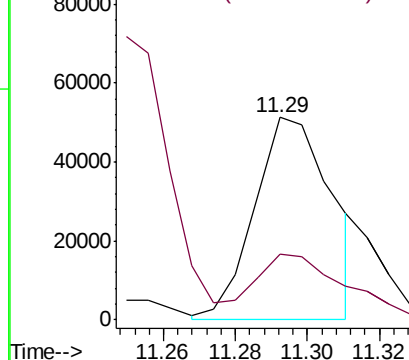
Ion Ratio Lower Upper

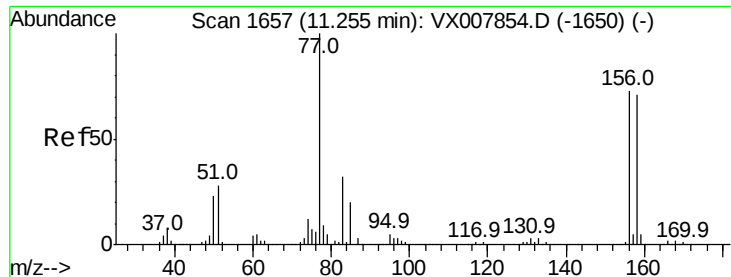
75 100

77 39.0 18.9 56.7



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.469 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007937.D

Acq: 08 Mar 2019 18:15

Instrument :

MSVOA_X

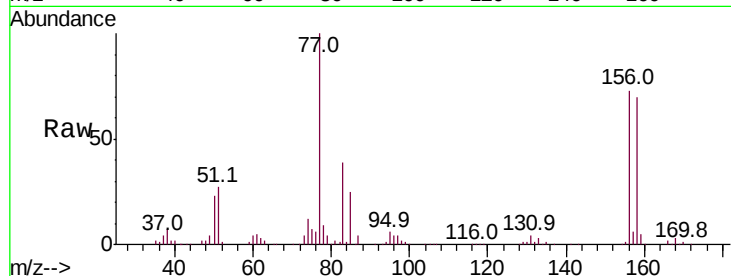
ClientSampleId :

VX0308WBS02

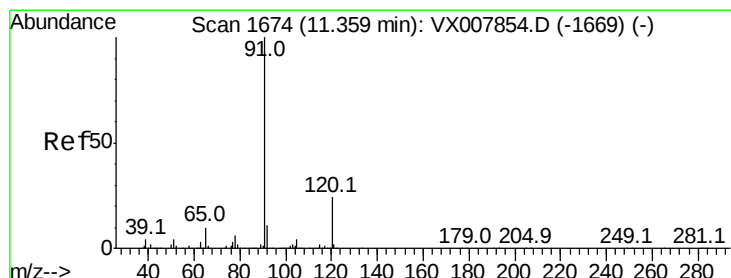
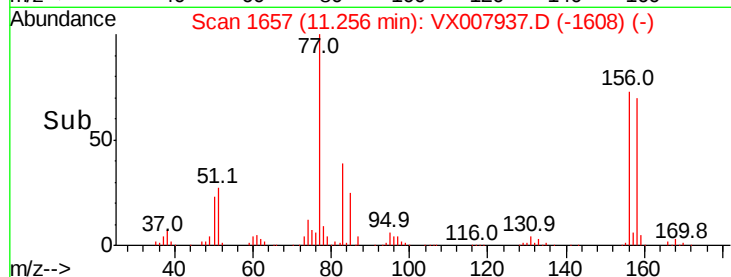
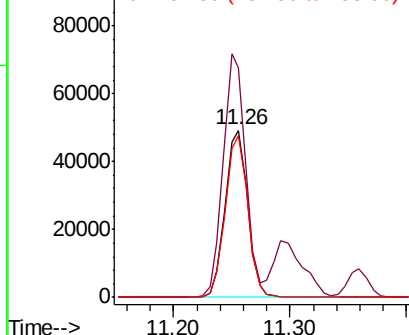
Tot Ion:	156	Resp:	66015
Ion	Ratio	Lower	Upper
156	100		
77	143.7	72.0	215.9
158	96.6	48.6	145.9

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.295 ug/l

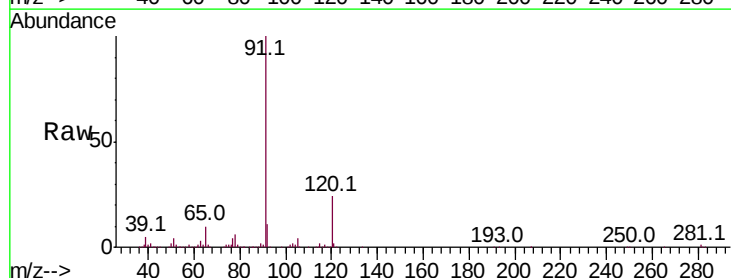
RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

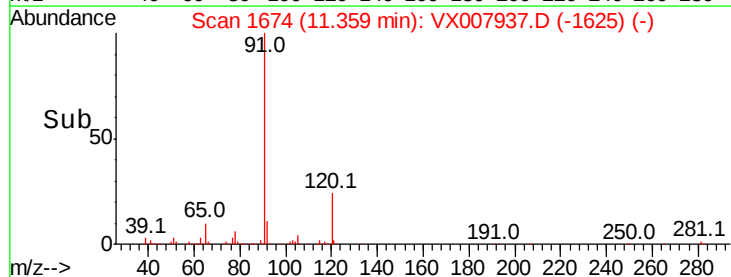
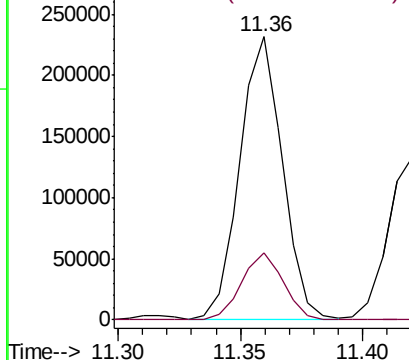
Lab File: VX007937.D

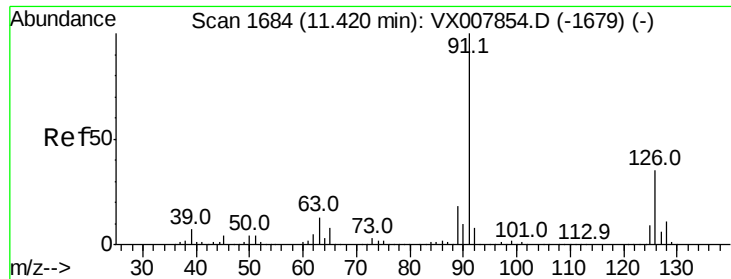
Acq: 08 Mar 2019 18:15

Tgt Ion:	91	Resp:	278449
Ion	Ratio	Lower	Upper
91	100		
120	23.6	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





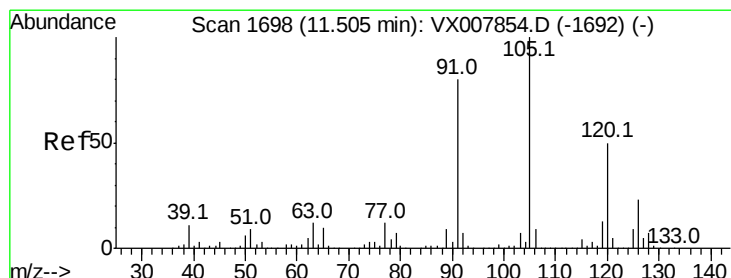
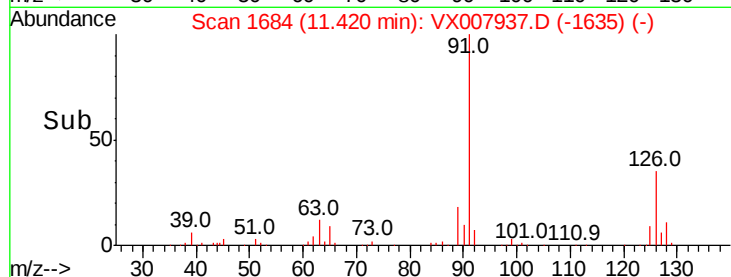
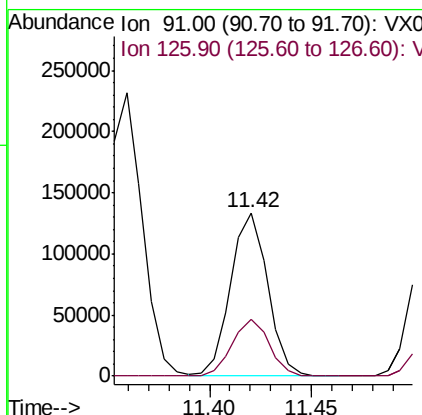
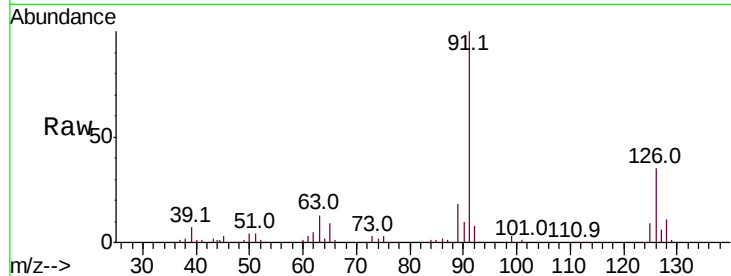
#79
 2-Chlorotoluene
 Concen: 19.942 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX007937.D
 Acq: 08 Mar 2019 18:15

Instrument :
 MSVOA_X
 ClientSampled :
 VX0308WBS02

Tot Ion: 91 Resp: 167292
 Ion Ratio Lower Upper
 91 100
 126 35.1 17.5 52.6

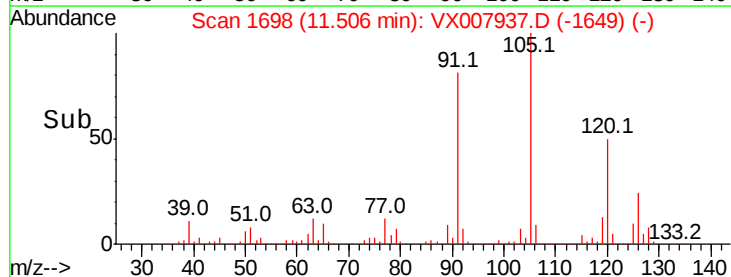
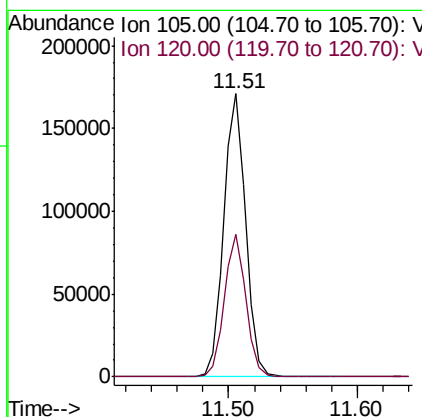
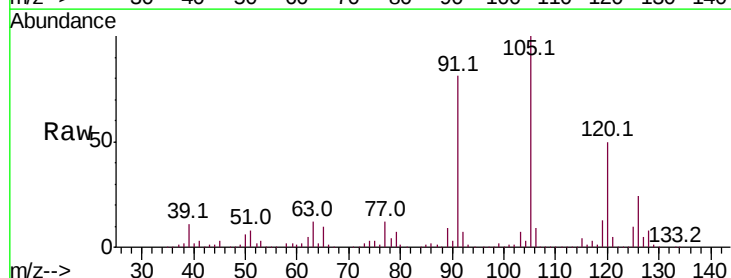
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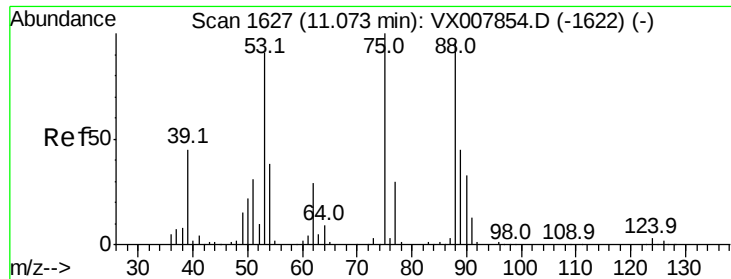
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.186 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX007937.D
 Acq: 08 Mar 2019 18:15

Tgt Ion: 105 Resp: 205474
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 17.646 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007937.D

Acq: 08 Mar 2019 18:15

Instrument :

MSVOA_X

ClientSampleId :

VX0308WBS02

Tot Ion: 75 Resp: 21183

Ion Ratio Lower Upper

75 100

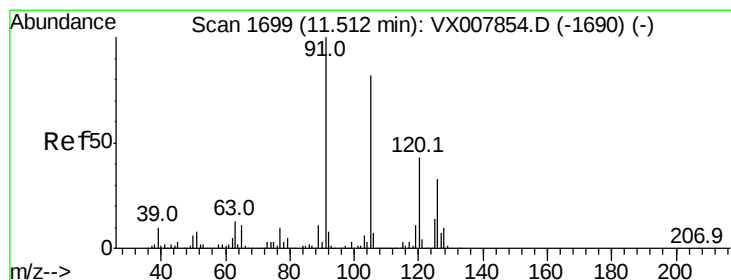
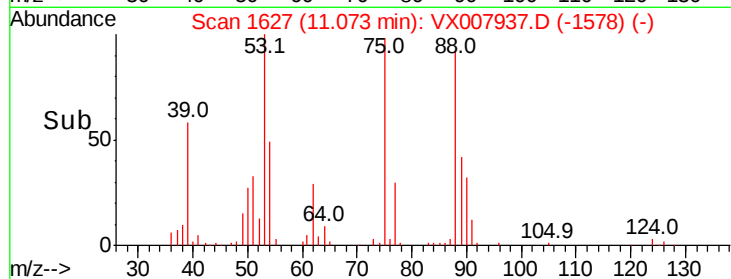
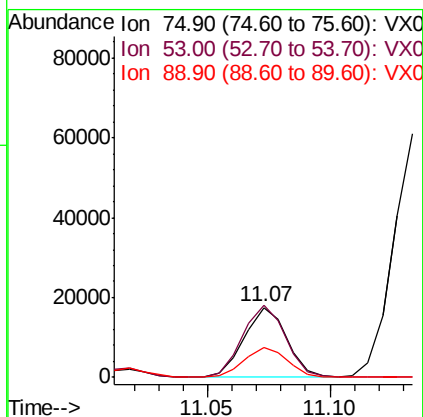
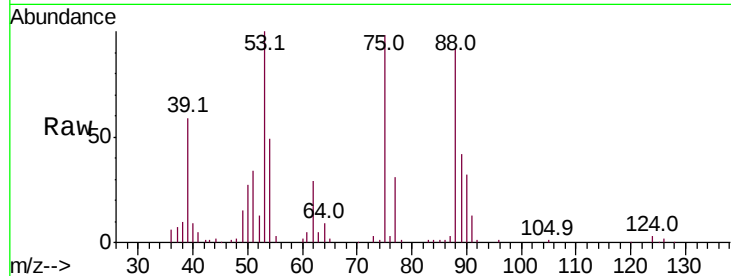
53 103.6 76.1 114.1

89 43.6 36.3 54.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.656 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX007937.D

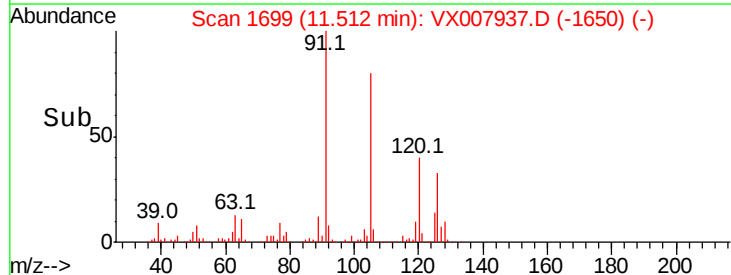
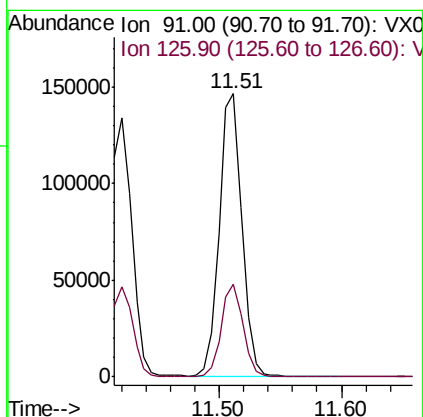
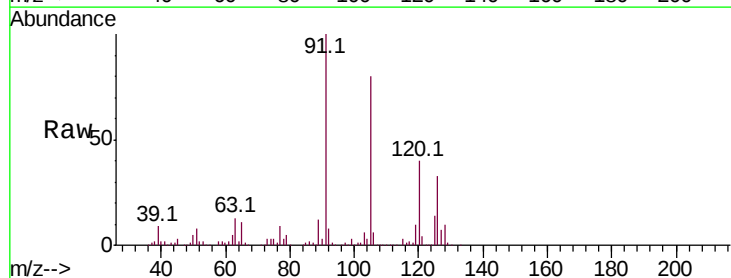
Acq: 08 Mar 2019 18:15

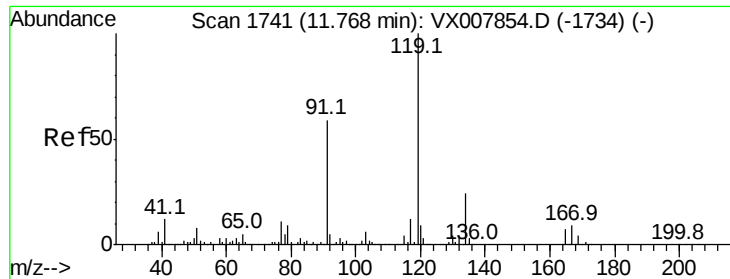
Tgt Ion: 91 Resp: 188970

Ion Ratio Lower Upper

91 100

126 31.6 15.6 46.8





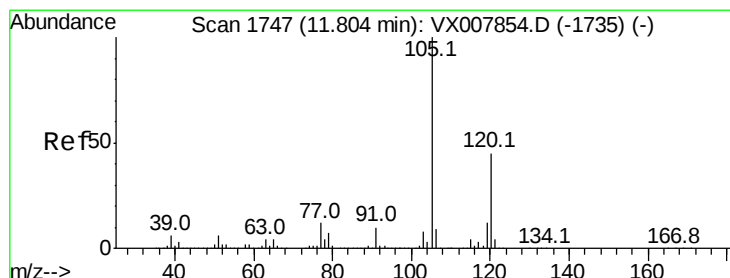
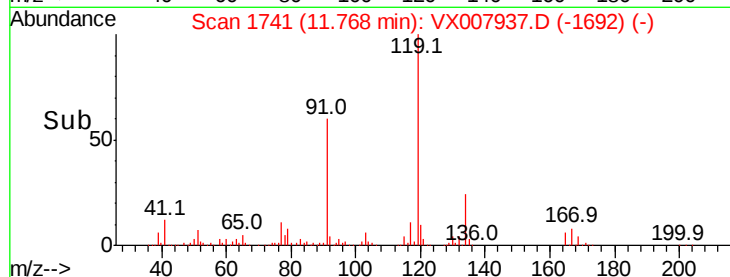
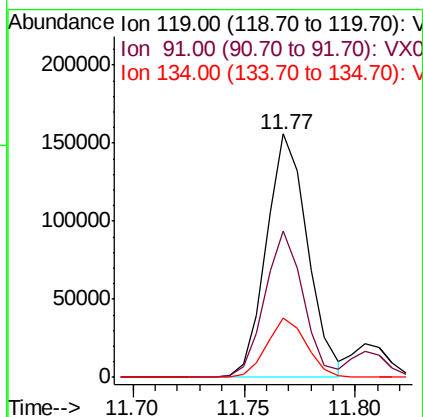
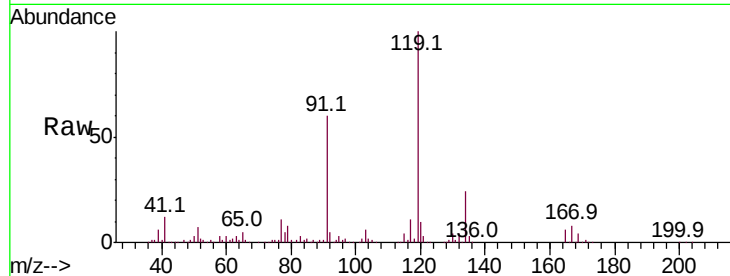
#83
tert-Butylbenzene
Concen: 19.538 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX007937.D
Acq: 08 Mar 2019 18:15

Instrument :
MSVOA_X
ClientSampleId :
VX0308WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	200333		
91	56.5		27.1	81.3
134	23.4		11.4	34.1

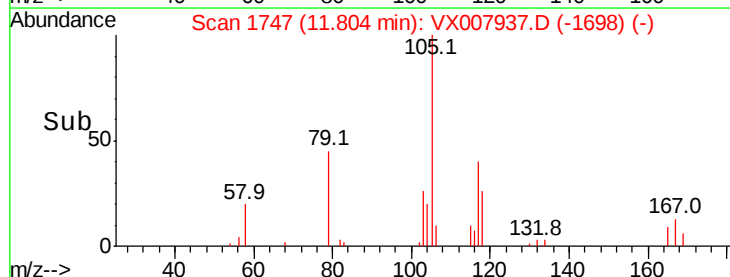
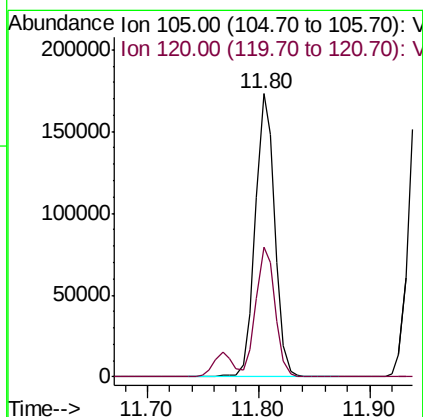
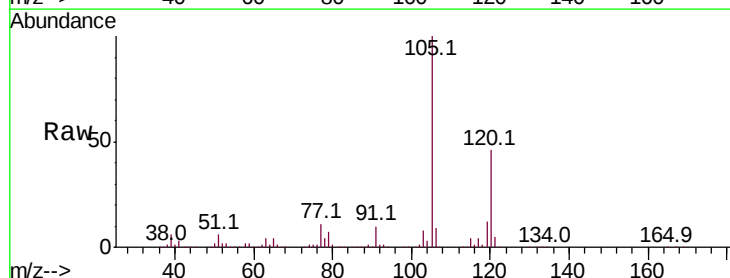
Manual Integrations
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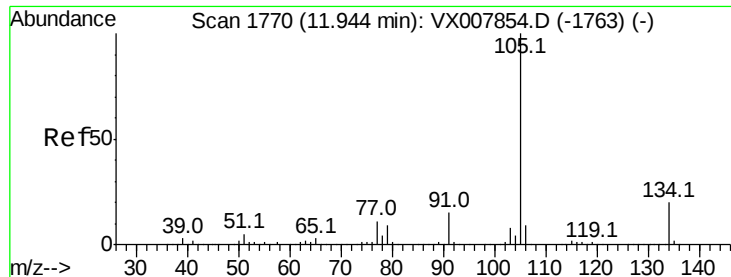
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.166 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX007937.D
Acq: 08 Mar 2019 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	210431		
120	45.2		22.6	67.7





#85

sec-Butylbenzene

Concen: 20.570 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007937.D

Acq: 08 Mar 2019 18:15

Instrument :

MSVOA_X

ClientSampleId :

VX0308WBS02

Tot Ion:105 Resp: 248401

Ion Ratio Lower Upper

105 100

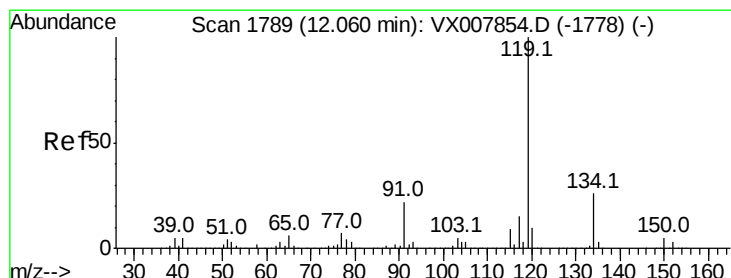
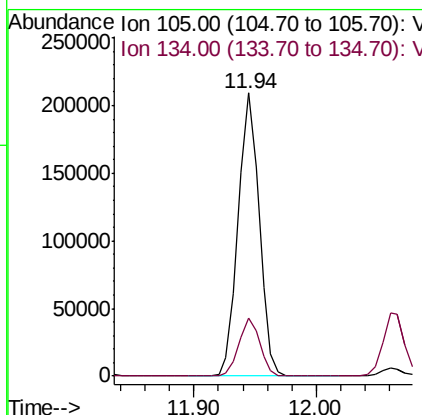
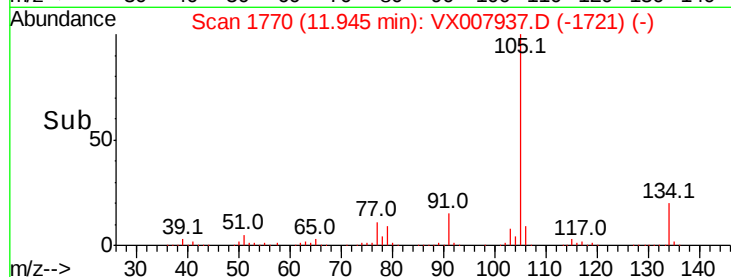
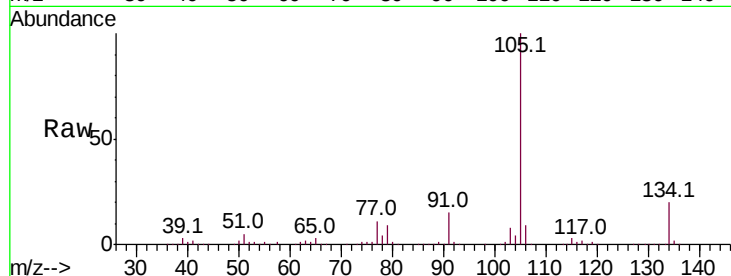
134 20.4 10.4 31.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.411 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007937.D

Acq: 08 Mar 2019 18:15

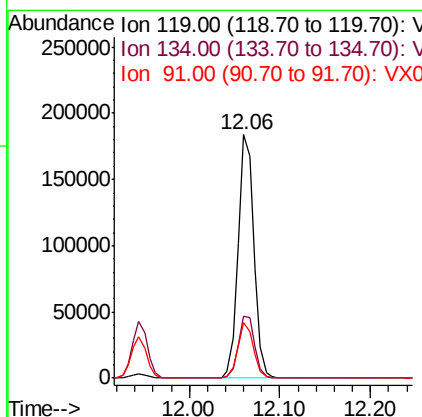
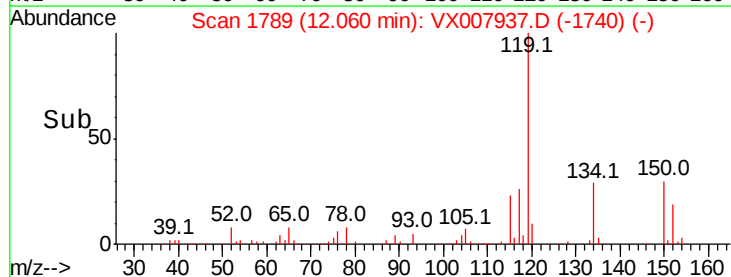
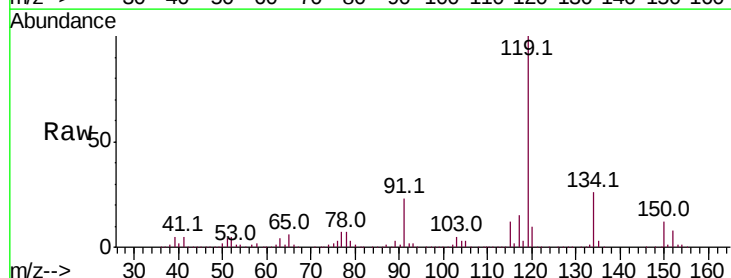
Tgt Ion:119 Resp: 220742

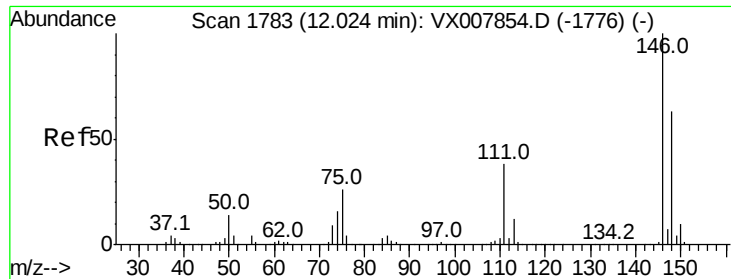
Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.9

91 22.4 10.9 32.7





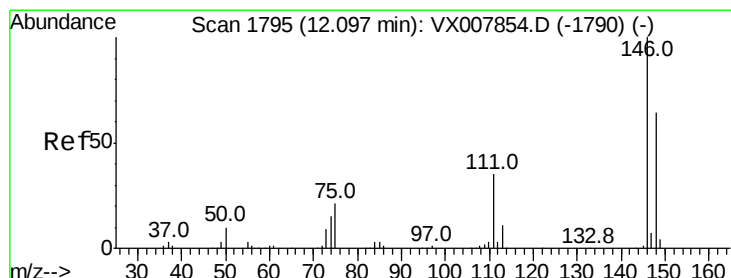
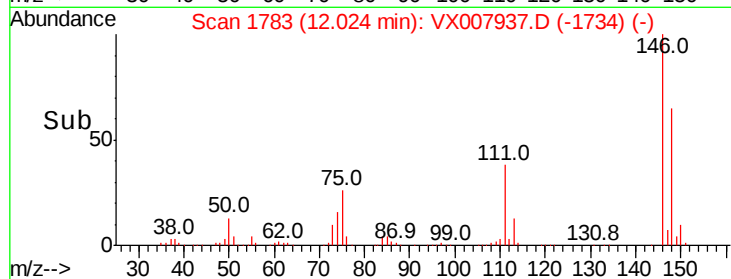
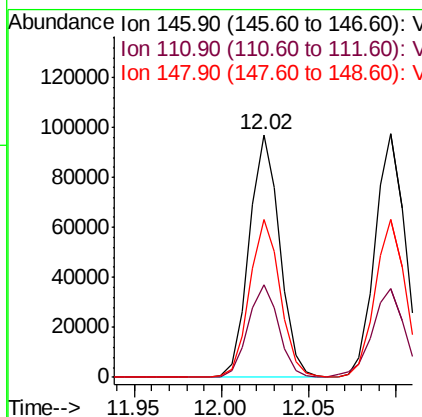
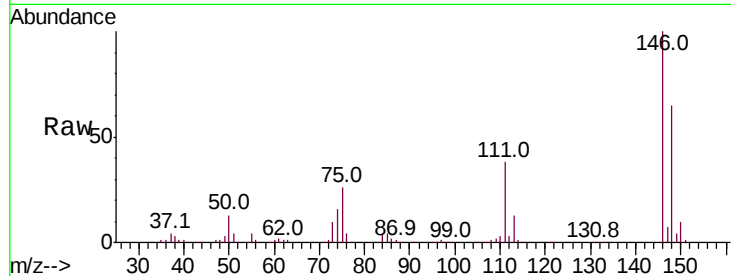
#87
 1,3-Dichlorobenzene
 Concen: 19.591 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007937.D
 Acq: 08 Mar 2019 18:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0308WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.9	56.7
148	64.9	31.7	95.1

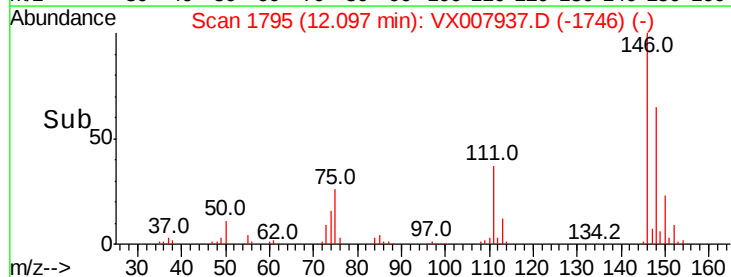
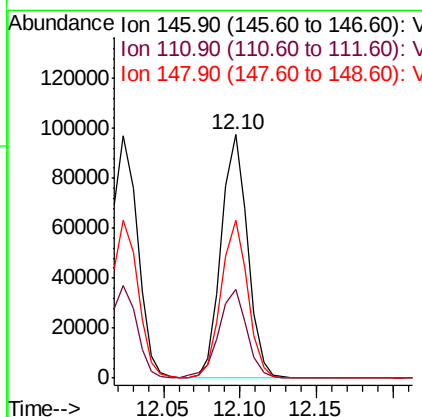
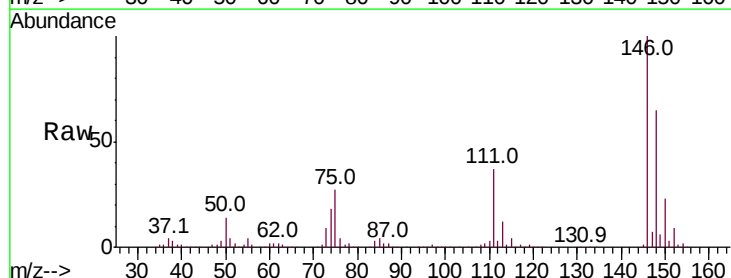
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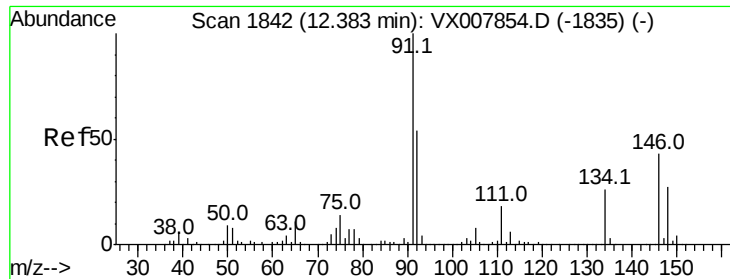
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#88
 1,4-Dichlorobenzene
 Concen: 19.057 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007937.D
 Acq: 08 Mar 2019 18:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.4	55.0
148	64.8	32.2	96.6





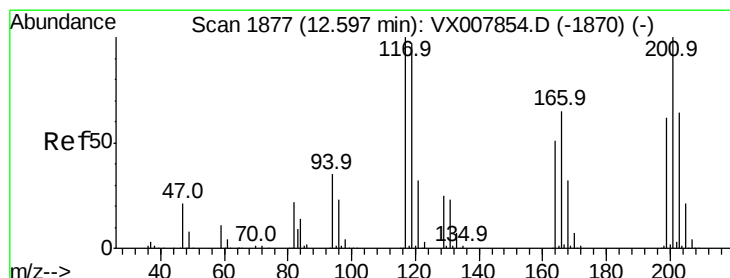
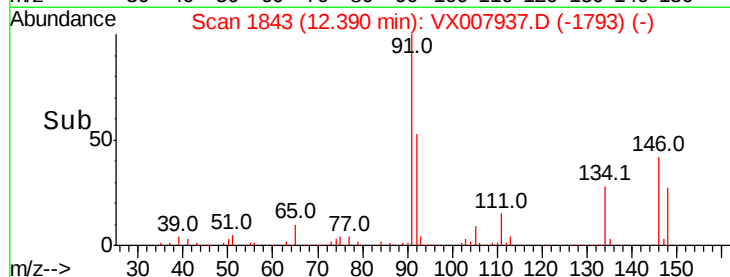
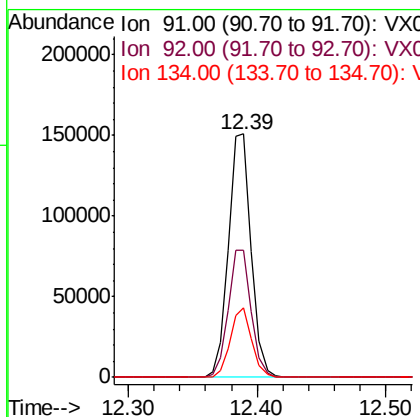
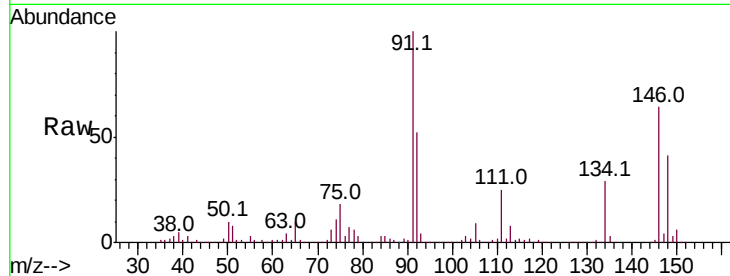
#89
n-Butylbenzene
Concen: 20.420 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX007937.D
Acq: 08 Mar 2019 18:15

Instrument :
MSVOA_X
ClientSampled :
VX0308WBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	187096		
92	52.6		27.0	80.8
134	26.9		13.7	41.0

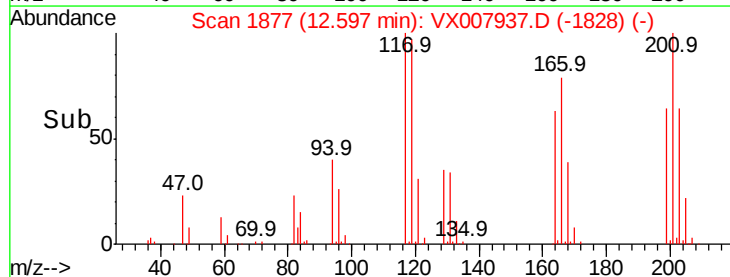
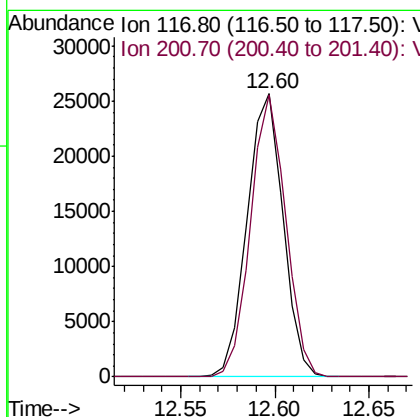
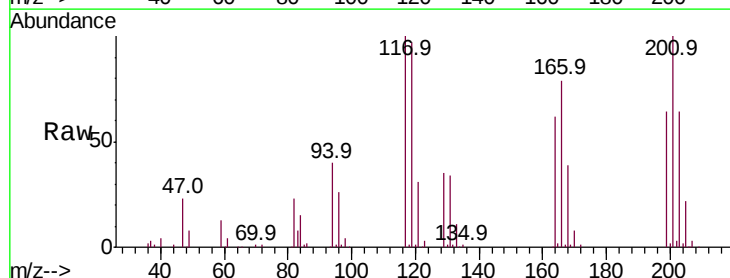
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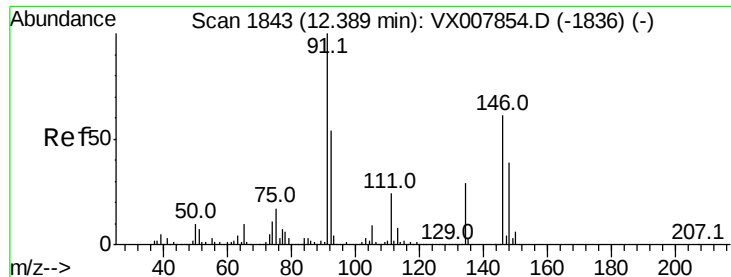
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#90
Hexachloroethane
Concen: 18.782 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007937.D
Acq: 08 Mar 2019 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	33961		
201	97.2		48.9	146.7





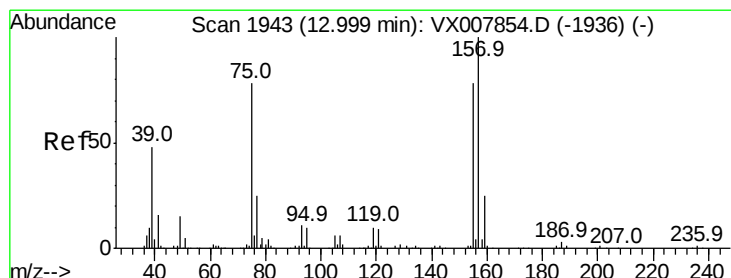
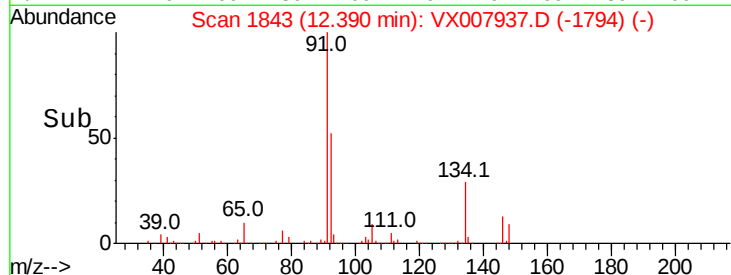
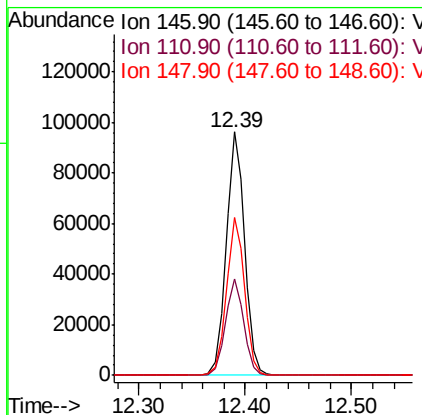
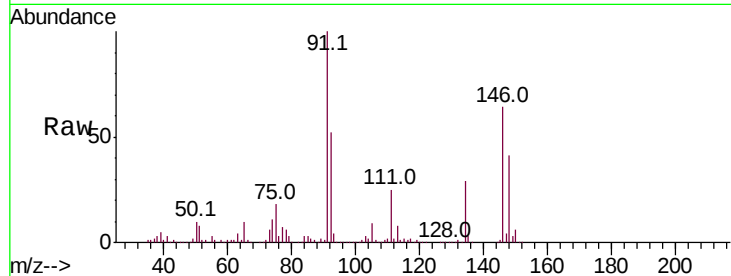
#91
 1,2-Dichlorobenzene
 Concen: 19.417 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007937.D
 Acq: 08 Mar 2019 18:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0308WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.6	58.8
148	64.4	31.9	95.5

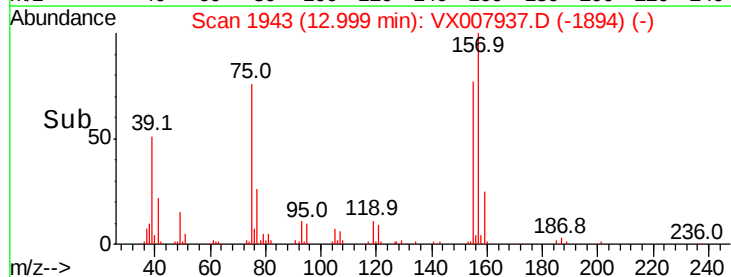
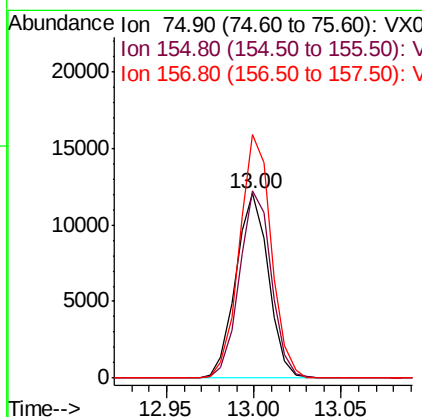
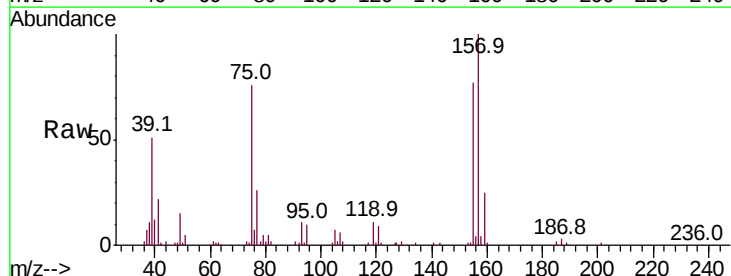
Manual Integrations
 APPROVED

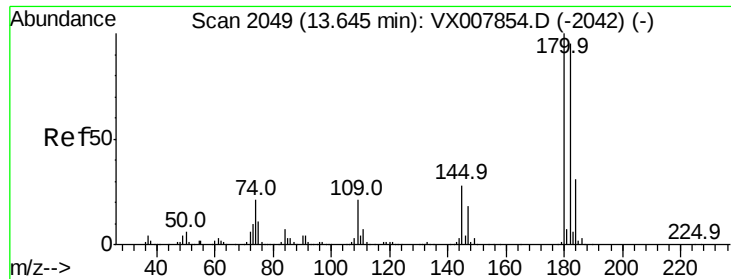
MMDadoda
 3/11/2019 12:02:20 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.529 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007937.D
 Acq: 08 Mar 2019 18:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.6	49.7	149.1
157	128.2	63.8	191.4





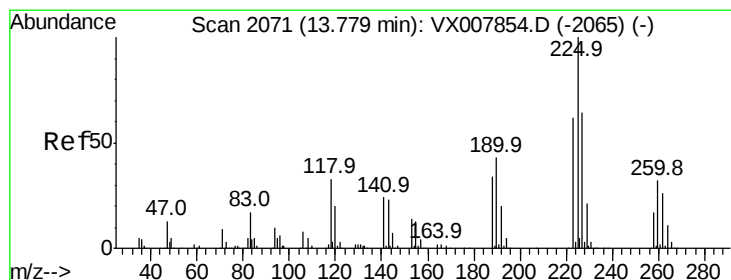
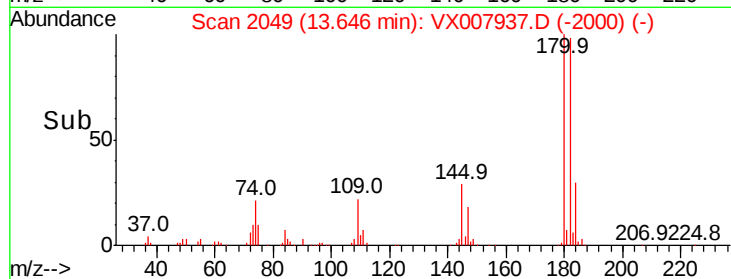
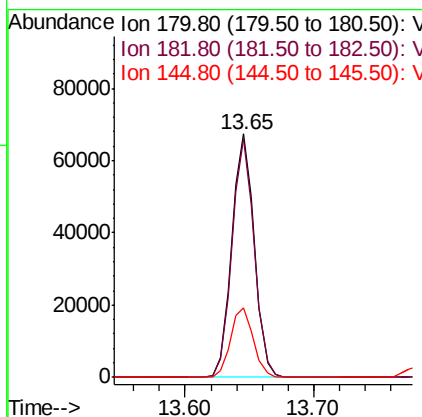
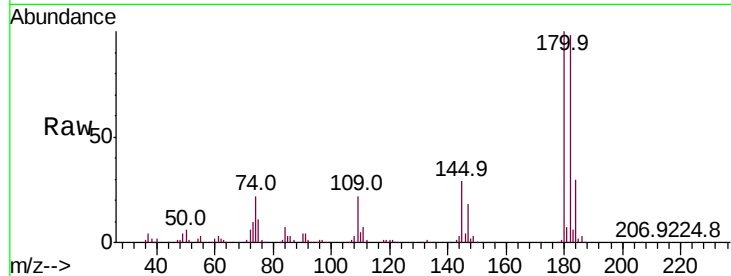
#93
 1,2,4-Trichlorobenzene
 Concen: 19.664 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007937.D
 Acq: 08 Mar 2019 18:15

Instrument :
 MSVOA_X
 ClientSampled :
 VX0308WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.9	47.9	143.7	
145	28.8	14.1	42.4	

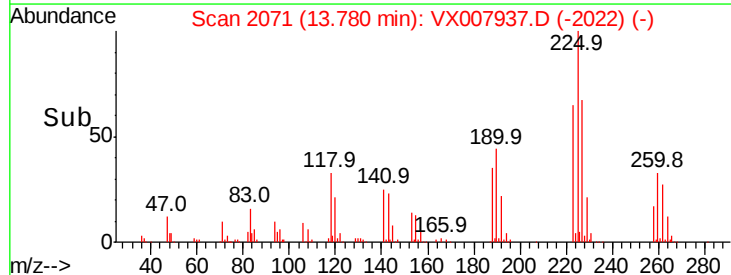
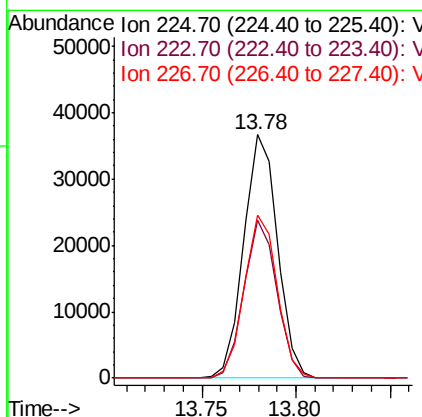
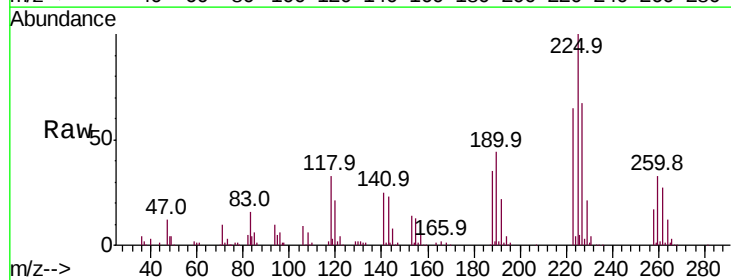
Manual Integrations
 APPROVED

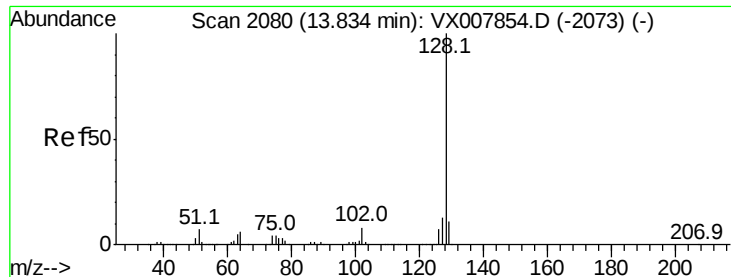
MMDadoda
 3/11/2019 12:02:20 PM



#94
 Hexachlorobutadiene
 Concen: 20.872 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007937.D
 Acq: 08 Mar 2019 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.0	31.1	93.2	
227	65.4	32.0	96.0	





#95

Naphthalene

Concen: 19.124 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007937.D

Acq: 08 Mar 2019 18:15

Instrument :

MSVOA_X

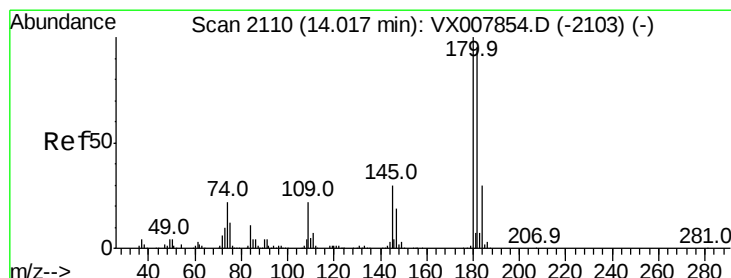
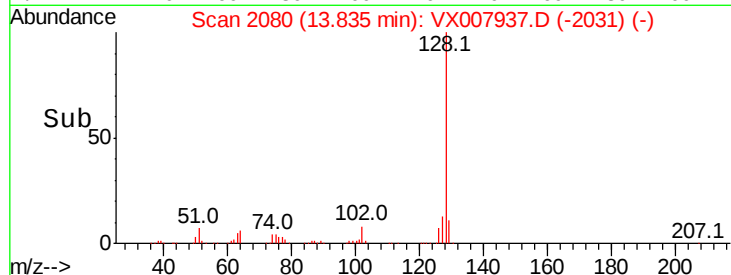
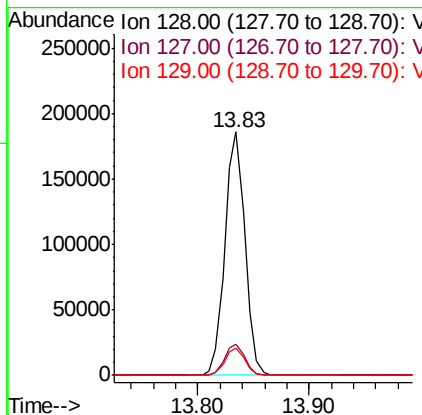
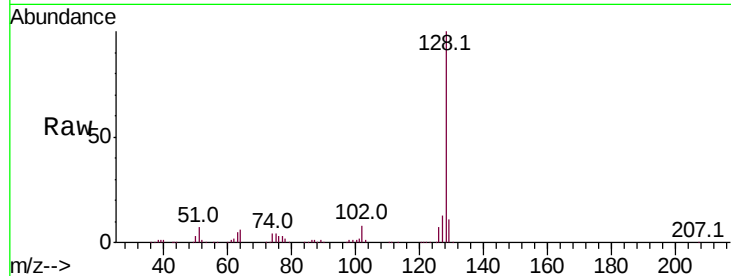
ClientSampleId :

VX0308WBS02

Tot Ion:	128	Resp:	230677
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.3	15.5
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/11/2019 12:02:20 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.443 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007937.D

Acq: 08 Mar 2019 18:15

Tgt Ion:	180	Resp:	81085
Ion Ratio	Lower	Upper	
180	100		
182	96.9	47.5	142.5
145	30.6	14.8	44.3

