

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091319\
 Data File : VX012381.D
 Acq On : 13 Sep 2019 12:38
 Operator : SY/SP
 Sample : VX0913SBS03
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913SBS03

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 1:13:23 AM

Quant Time: Sep 14 00:14:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	143302	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	244634	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	222579	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	116005	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	92009	45.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.82%	
35) Dibromofluoromethane	5.48	113	76062	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
50) Toluene-d8	8.71	98	288753	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
62) 4-Bromofluorobenzene	11.14	95	118223	46.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.72%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.19	85	22737	19.407 ug/l	98
3) Chloromethane	1.31	50	21846	20.686 ug/l	96
4) Vinyl Chloride	1.40	62	21602	20.630 ug/l	97
5) Bromomethane	1.62	94	10042	20.972 ug/l	95
6) Chloroethane	1.71	64	13870	19.808 ug/l	99
7) Trichlorofluoromethane	1.92	101	37612	19.847 ug/l	99
8) Diethyl Ether	2.18	74	12435	19.229 ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	25805	20.203 ug/l	97
10) Methyl Iodide	2.50	142	16006	13.167 ug/l	100
11) Tert butyl alcohol	3.03	59	16450m	69.805 ug/l	
12) 1,1-Dichloroethene	2.36	96	21496	19.824 ug/l	97
13) Acrolein	2.28	56	7670	72.421 ug/l	100
14) Allyl chloride	2.71	41	41634	18.832 ug/l	99
15) Acrylonitrile	3.13	53	37597	94.053 ug/l	98
16) Acetone	2.43	43	43741	91.200 ug/l	97
17) Carbon Disulfide	2.55	76	40319	17.707 ug/l	99
18) Methyl Acetate	2.76	43	17996	17.852 ug/l	95
19) Methyl tert-butyl Ether	3.19	73	77433	18.082 ug/l	97
20) Methylene Chloride	2.84	84	30315	18.605 ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	25584	19.776 ug/l	92
22) Diisopropyl ether	3.84	45	95368	18.862 ug/l	96
23) Vinyl Acetate	3.80	43	284030	91.562 ug/l	99
24) 1,1-Dichloroethane	3.68	63	52474	19.376 ug/l	99
25) 2-Butanone	4.66	43	57008	92.980 ug/l	94
26) 2,2-Dichloropropane	4.57	77	49580	19.500 ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	32456	19.432 ug/l	98
28) Bromochloromethane	5.00	49	21421	16.865 ug/l	100
29) Tetrahydrofuran	5.12	42	31557	95.395 ug/l	99
30) Chloroform	5.20	83	57907	18.962 ug/l	99
31) Cyclohexane	5.57	56	36717	19.517 ug/l	95
32) 1,1,1-Trichloroethane	5.48	97	49139	18.739 ug/l	98
36) 1,1-Dichloropropene	5.79	75	36195	20.291 ug/l	97
37) Ethyl Acetate	4.83	43	21737	19.713 ug/l	99
38) Carbon Tetrachloride	5.78	117	40752	19.472 ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	39687	20.273	ug/l	95
40) Benzene	6.13	78	109854	20.348	ug/l	97
41) Methacrylonitrile	5.03	41	13002	19.127	ug/l	98
42) 1,2-Dichloroethane	6.18	62	41668	19.528	ug/l	100
43) Isopropyl Acetate	6.43	43	44727	19.239	ug/l	100
44) Trichloroethene	7.20	130	29997	20.531	ug/l	90
45) 1,2-Dichloropropane	7.51	63	30532	20.431	ug/l	96
46) Dibromomethane	7.65	93	16281	19.934	ug/l	97
47) Bromodichloromethane	7.89	83	41599	18.664	ug/l	99
48) Methyl methacrylate	7.76	41	21156	19.012	ug/l	98
49) 1,4-Dioxane	7.73	88	6162	410.375	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	115605	94.221	ug/l	100
52) Toluene	8.78	92	73274	20.548	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	39853	17.915	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	46004	18.649	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	25576	20.213	ug/l	95
56) Ethyl methacrylate	9.17	69	32111	18.743	ug/l	99
57) 1,3-Dichloropropane	9.37	76	42550	19.689	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	78058	88.897	ug/l	99
59) 2-Hexanone	9.49	43	85305	99.992	ug/l	100
60) Dibromochloromethane	9.57	129	27327	18.500	ug/l	98
61) 1,2-Dibromoethane	9.67	107	22773	19.335	ug/l	100
64) Tetrachloroethene	9.33	164	24979	21.220	ug/l	97
65) Chlorobenzene	10.14	112	83253	20.471	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	30561	19.934	ug/l	99
67) Ethyl Benzene	10.25	91	149370	20.650	ug/l	95
68) m/p-Xylenes	10.35	106	113693	42.699	ug/l	99
69) o-Xylene	10.70	106	55034	21.099	ug/l	97
70) Styrene	10.71	104	94295	20.384	ug/l	99
71) Bromoform	10.85	173	14514	18.257	ug/l #	98
73) Isopropylbenzene	11.01	105	151175	19.795	ug/l	99
74) N-amyl acetate	10.89	43	40076	17.649	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	30864	18.818	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	26409m	17.721	ug/l	
77) Bromobenzene	11.25	156	36096	20.529	ug/l	92
78) n-propylbenzene	11.35	91	181567	19.688	ug/l	99
79) 2-Chlorotoluene	11.42	91	110397	19.321	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	134949	19.649	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	8282	16.651	ug/l	94
82) 4-Chlorotoluene	11.51	91	134464	19.582	ug/l	99
83) tert-Butylbenzene	11.76	119	134720	20.202	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	137380	19.350	ug/l	97
85) sec-Butylbenzene	11.94	105	158151	19.876	ug/l	99
86) p-Isopropyltoluene	12.06	119	149493	20.333	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	71984	20.097	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	73290	20.236	ug/l	99
89) n-Butylbenzene	12.39	91	144261	20.019	ug/l	98
90) Hexachloroethane	12.59	117	23949	17.685	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	66651	20.116	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	5458	16.303	ug/l	88

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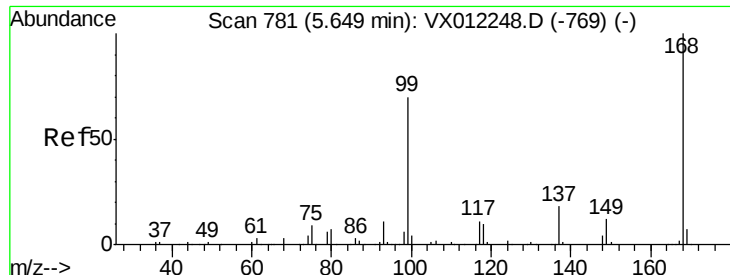
Manual Integrations
APPROVED

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9/16/2019 1:13:23 AM

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	45878	20.051	ug/l	98
94) Hexachlorobutadiene	13.78	225	24998	21.961	ug/l	96
95) Naphthalene	13.83	128	90849	18.502	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	41356	20.428	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012381.D

Acq: 13 Sep 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

VX0913SBS03

Tot Ion:168 Resp: 143302

Ion Ratio Lower Upper

168 100

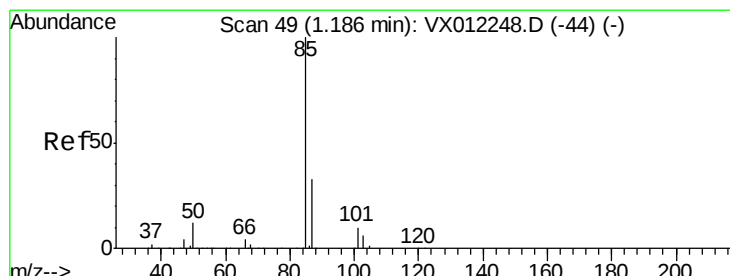
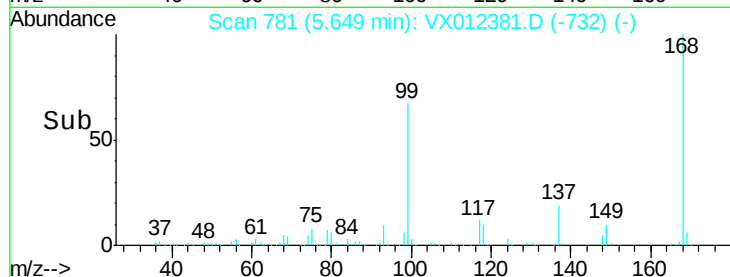
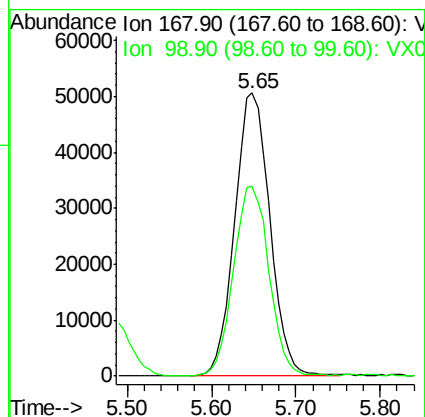
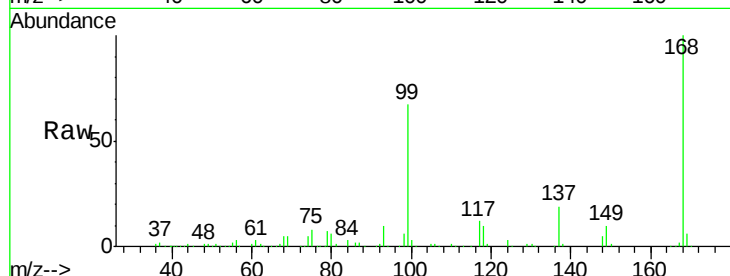
99 67.0 55.8 83.6

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 19.407 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012381.D

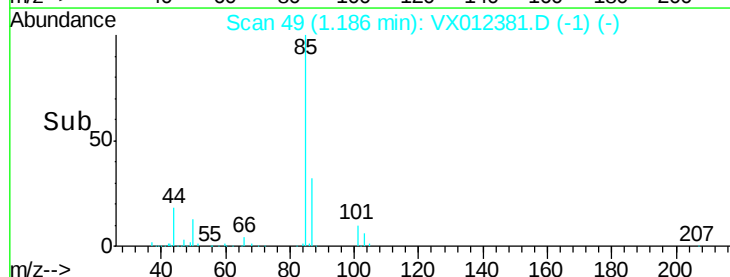
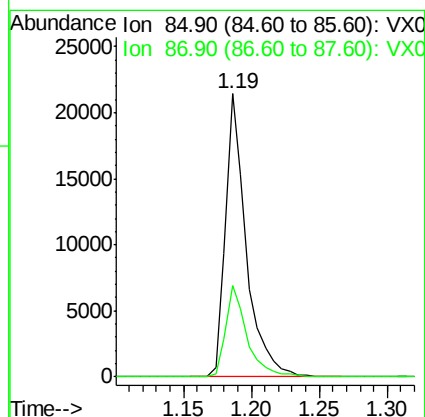
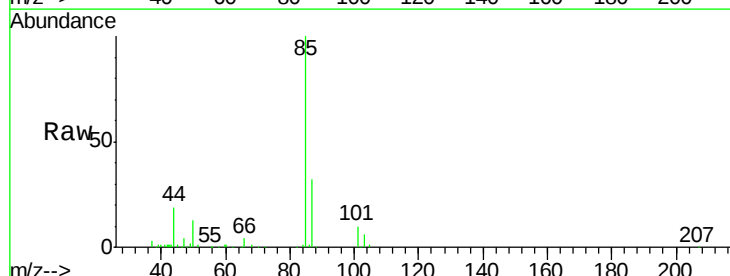
Acq: 13 Sep 2019 12:38

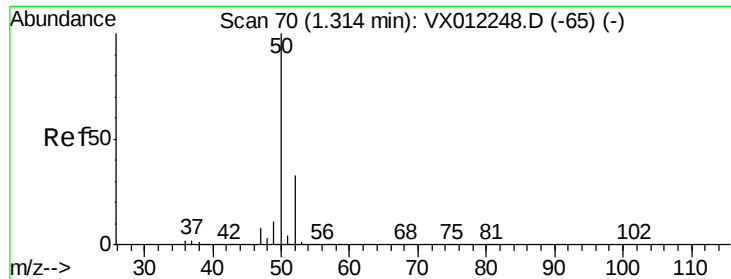
Tgt Ion: 85 Resp: 22737

Ion Ratio Lower Upper

85 100

87 32.2 16.7 50.0





#3

Chloromethane

Concen: 20.686 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012381.D

Acq: 13 Sep 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

VX0913SBS03

Tot Ion: 50 Resp: 21846

Ion Ratio Lower Upper

50 100

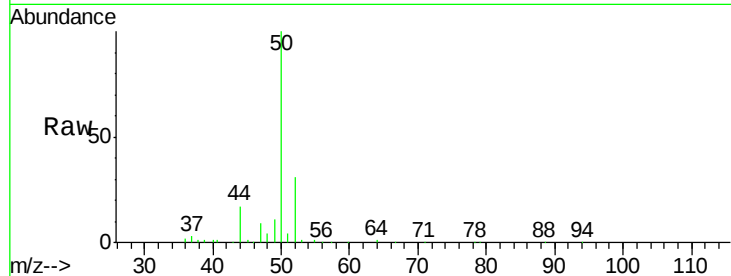
52 31.3 26.7 40.1

Manual Integrations

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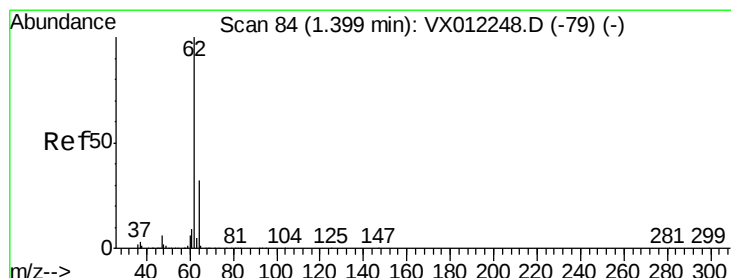
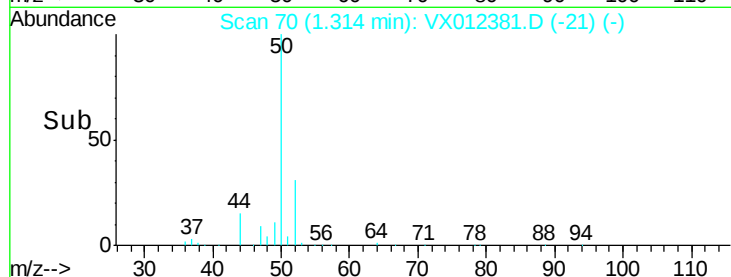
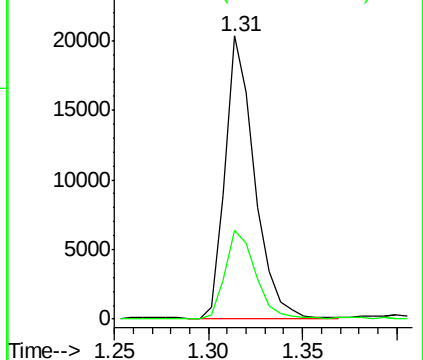
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.630 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX012381.D

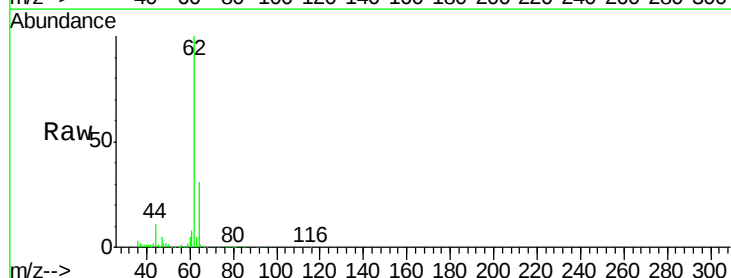
Acq: 13 Sep 2019 12:38

Tgt Ion: 62 Resp: 21602

Ion Ratio Lower Upper

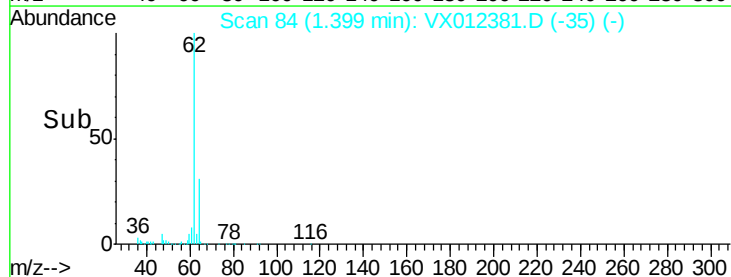
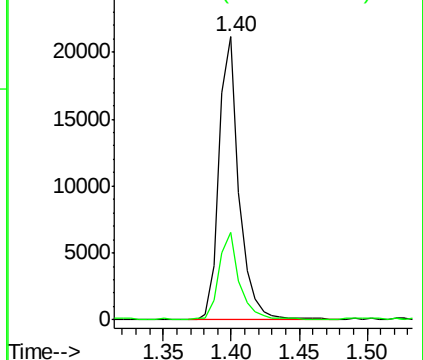
62 100

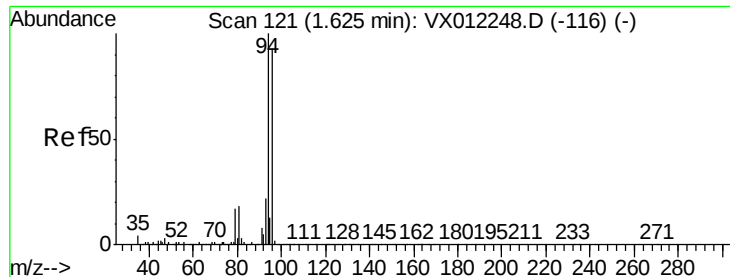
64 30.4 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.972 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012381.D

Acq: 13 Sep 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

VX0913SBS03

Tot Ion: 94 Resp: 10042

Ion Ratio Lower Upper

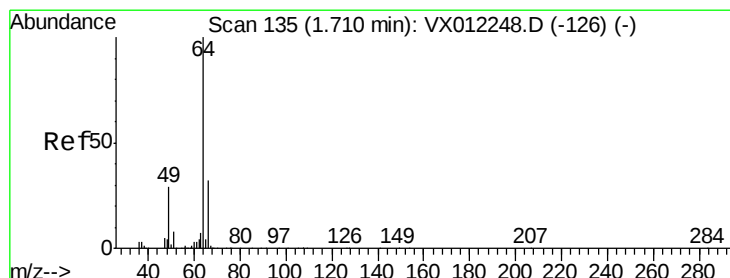
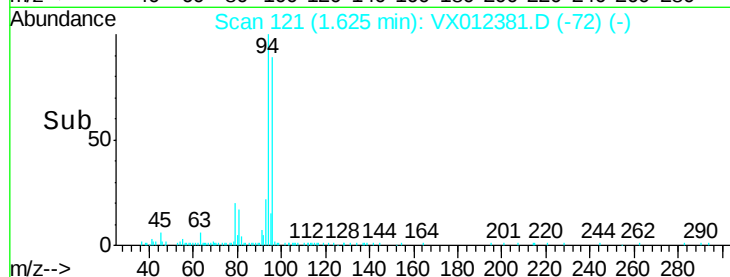
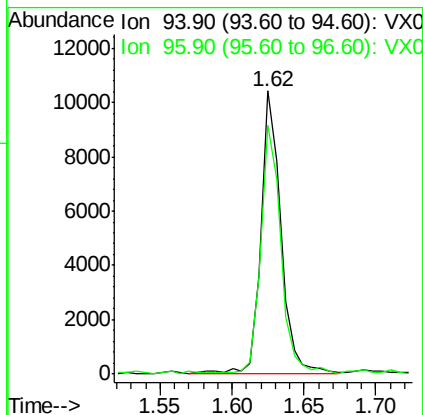
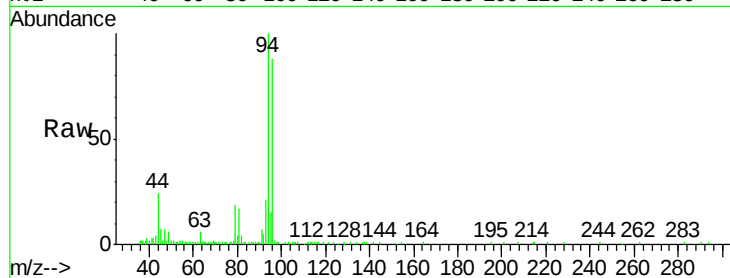
94 100

96 87.5 74.0 111.0

Manual Integrations
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#6

Chloroethane

Concen: 19.808 ug/l

RT: 1.71 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX012381.D

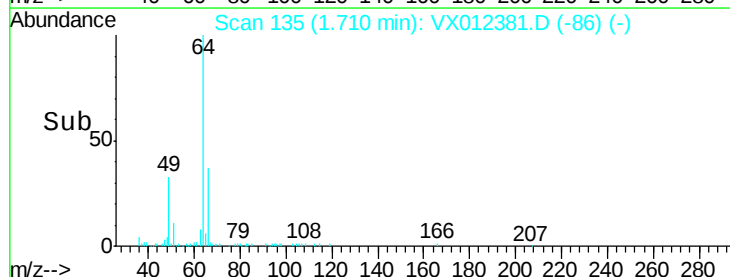
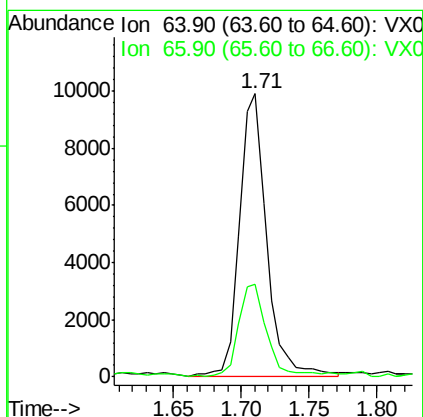
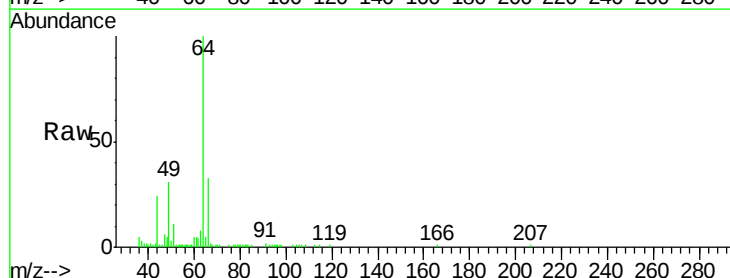
Acq: 13 Sep 2019 12:38

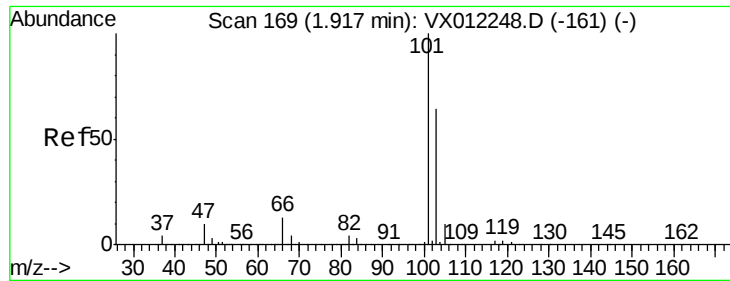
Tgt Ion: 64 Resp: 13870

Ion Ratio Lower Upper

64 100

66 32.7 25.8 38.6





#7

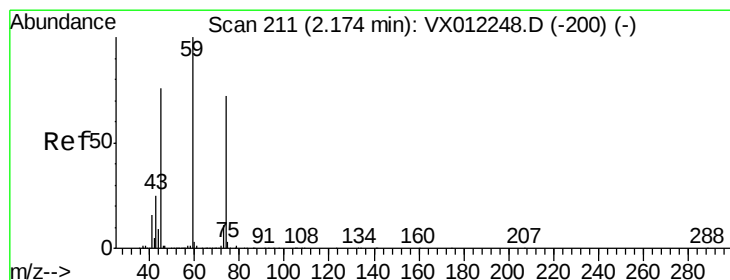
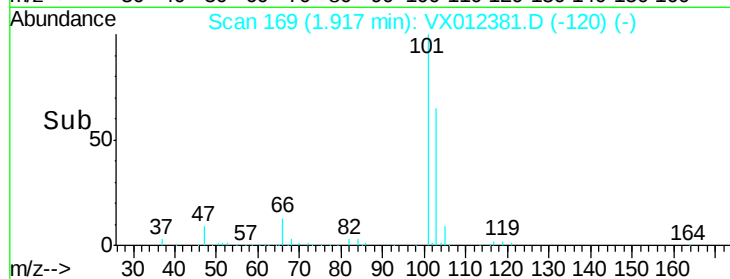
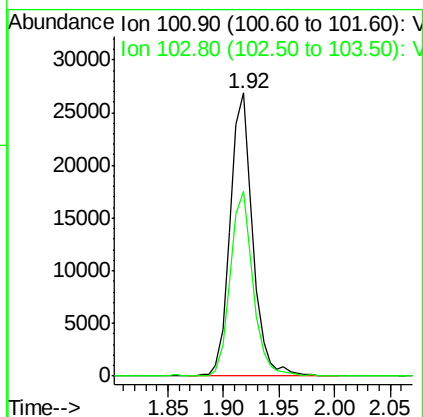
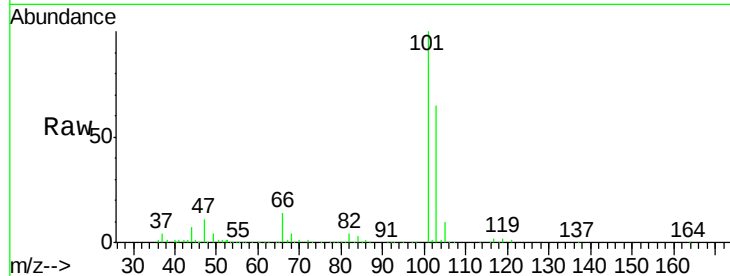
Trichlorofluoromethane
Concen: 19.847 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX012381.D
Acq: 13 Sep 2019 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS03

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.4	77.2

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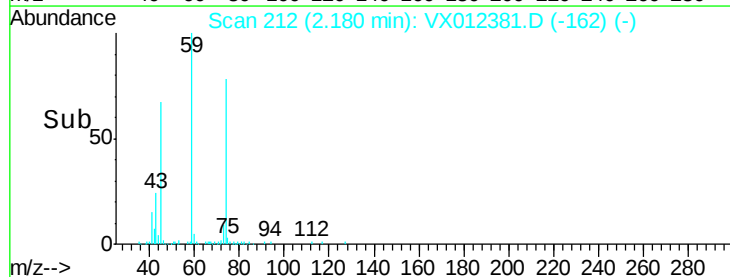
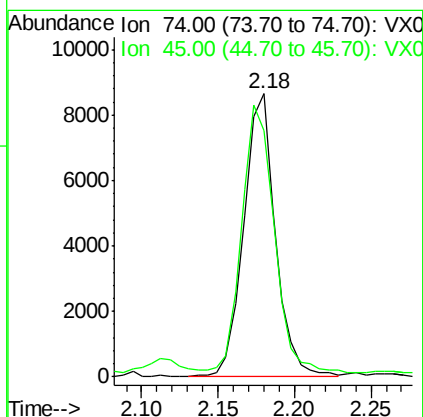
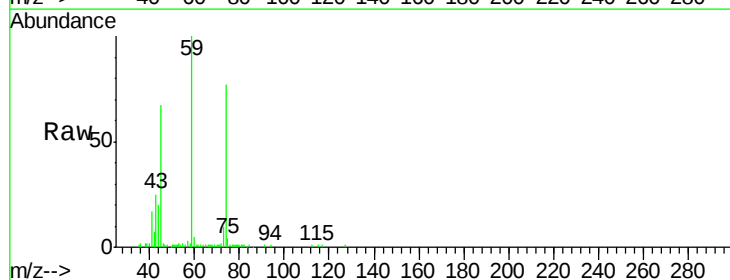
MMDadoda
9/16/2019 1:13:23 AM

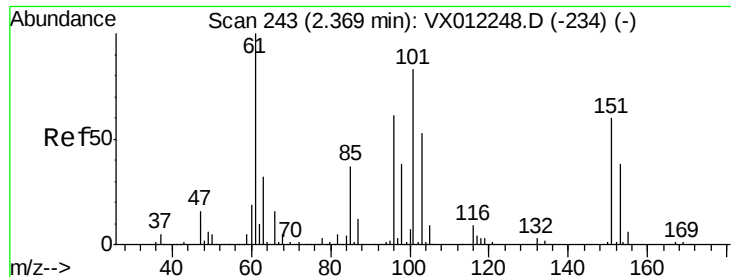


#8

Diethyl Ether
Concen: 19.229 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.01 min
Lab File: VX012381.D
Acq: 13 Sep 2019 12:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.7	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.203 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012381.D

Acq: 13 Sep 2019 12:38

Instrument :

MSVOA_X

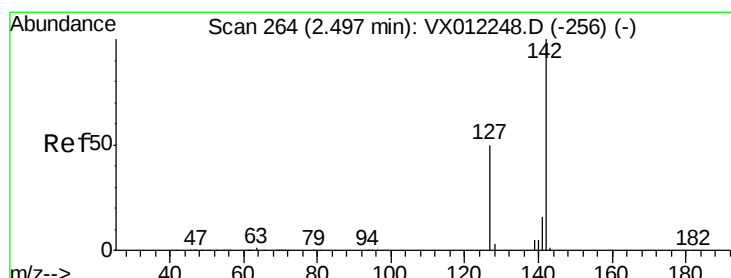
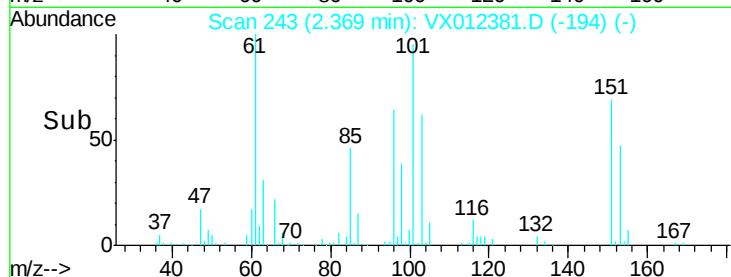
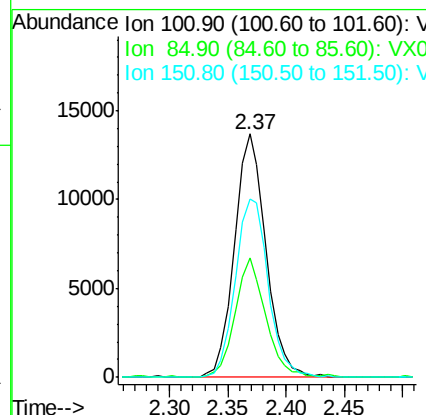
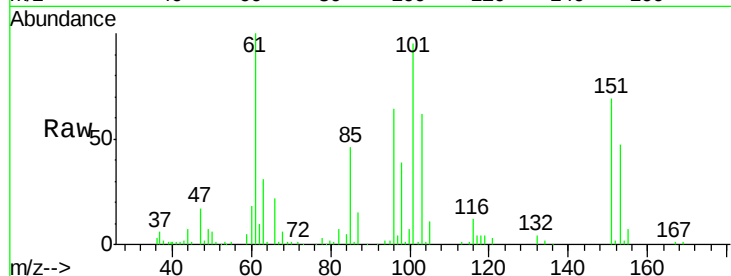
ClientSampleId :

VX0913SBS03

Tot Ion:	101	Resp:	25805
Ion Ratio	Lower	Upper	
101	100		
85	47.6	37.0	55.6
151	76.6	58.6	87.8

Manual Integrations
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#10

Methyl Iodide

Concen: 13.167 ug/l

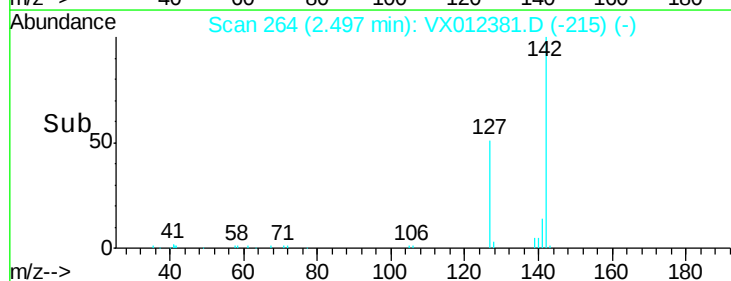
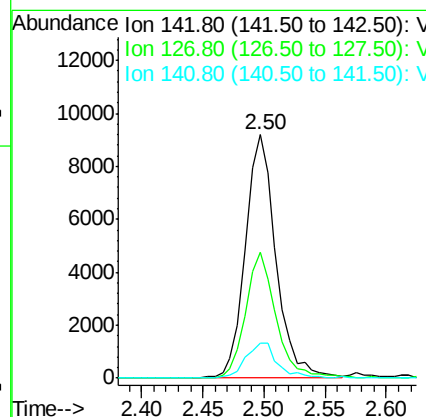
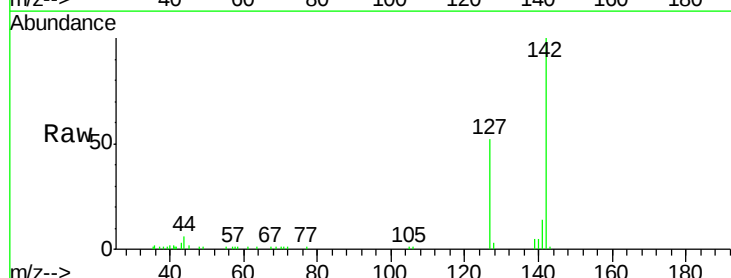
RT: 2.50 min Scan# 264

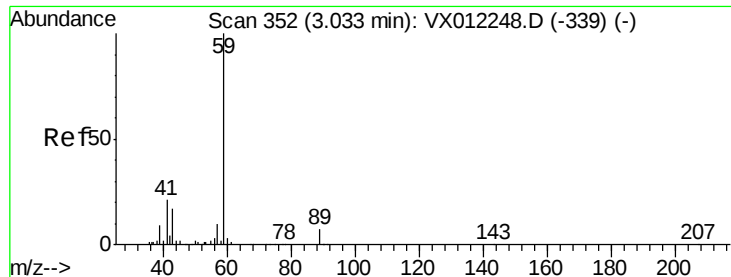
Delta R.T. -0.00 min

Lab File: VX012381.D

Acq: 13 Sep 2019 12:38

Tgt Ion:	142	Resp:	16006
Ion Ratio	Lower	Upper	
142	100		
127	50.9	40.6	61.0
141	15.0	12.0	18.0





#11

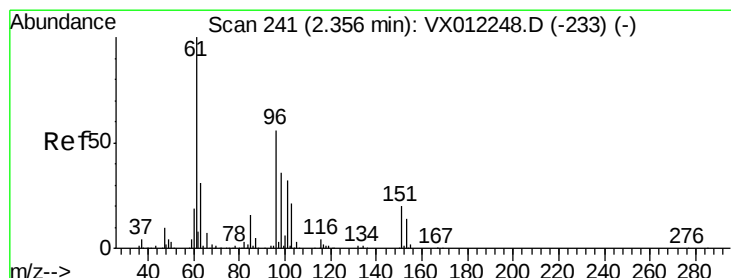
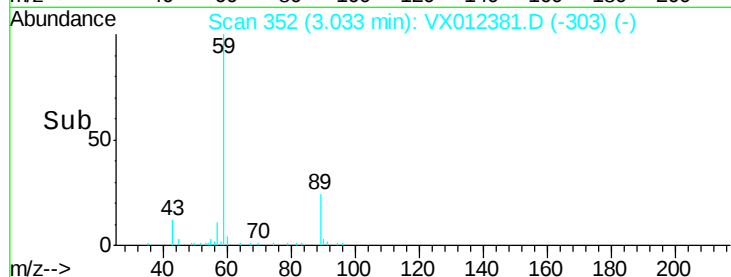
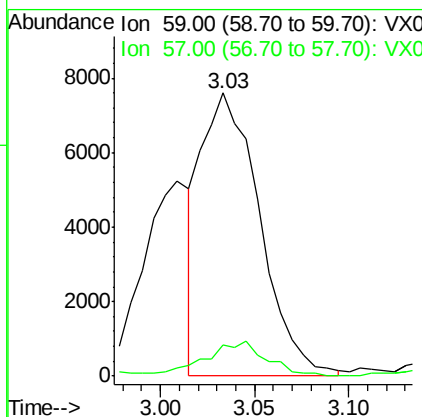
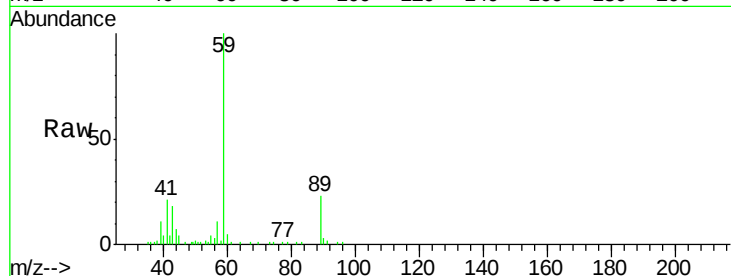
Tert butyl alcohol
 Concen: 69.805 ug/l m
 RT: 3.03 min Scan# 352
 Delta R.T. 0.00 min
 Lab File: VX012381.D
 Acq: 13 Sep 2019 12:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913SBS03

Tot Ion	Ratio	Resp	Lower	Upper
59	100	16450		
57	13.4		7.8	11.6#

Manual Integrations
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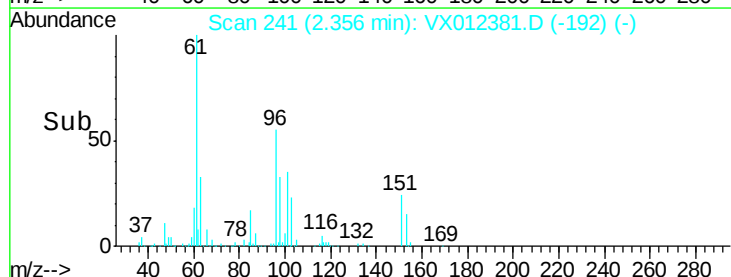
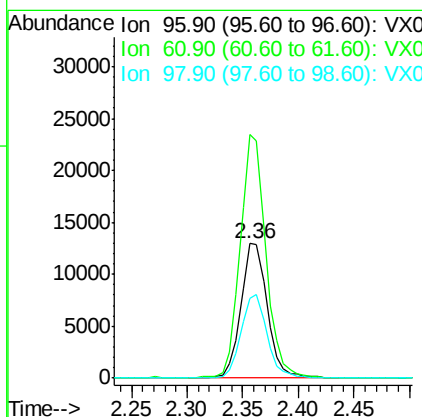
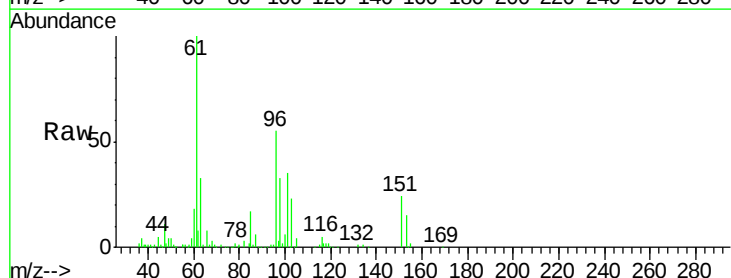
MMDadoda
 9/16/2019 1:13:23 AM

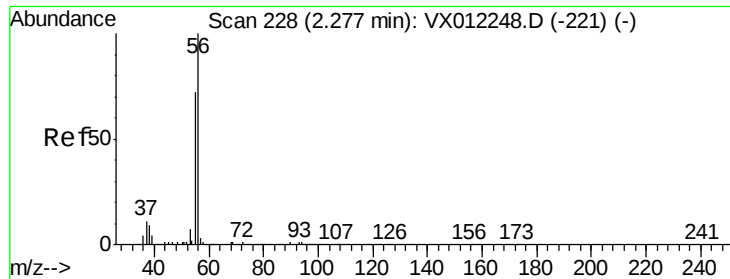


#12

1,1-Dichloroethene
 Concen: 19.824 ug/l
 RT: 2.36 min Scan# 241
 Delta R.T. -0.00 min
 Lab File: VX012381.D
 Acq: 13 Sep 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	21496		
61	180.8		142.2	213.2
98	59.5		51.3	76.9





#13

Acrolein

Concen: 72.421 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX012381.D

Acq: 13 Sep 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

VX0913SBS03

Tot Ion: 56 Resp: 7670

Ion Ratio Lower Upper

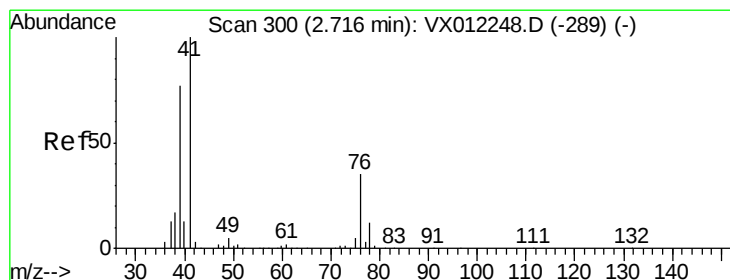
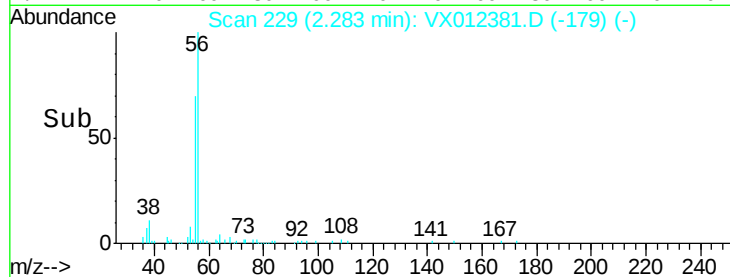
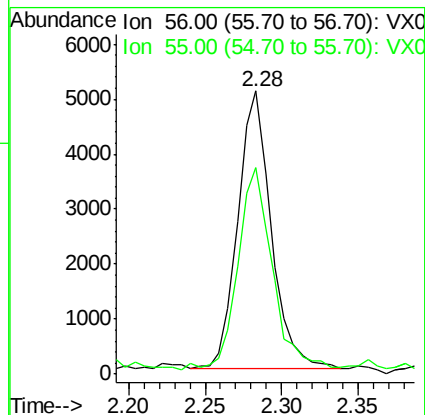
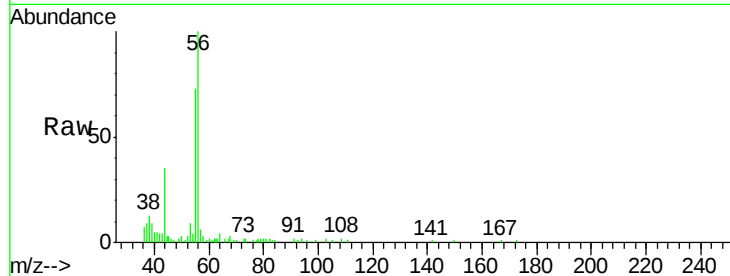
56 100

55 74.7 59.8 89.6

Manual Integrations
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MMDadoda

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#14

Allyl chloride

Concen: 18.832 ug/l

RT: 2.71 min Scan# 299

Delta R.T. -0.01 min

Lab File: VX012381.D

Acq: 13 Sep 2019 12:38

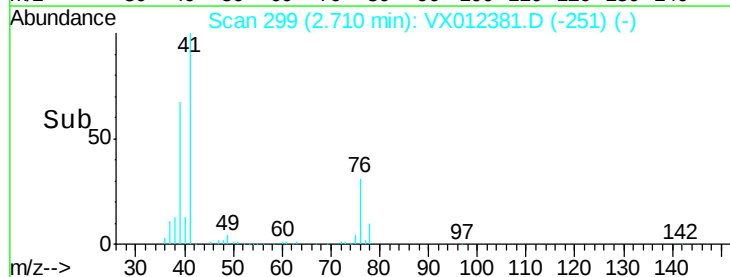
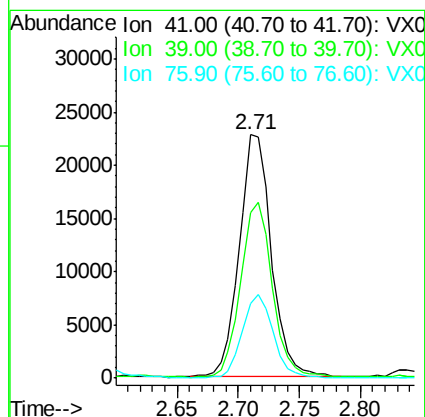
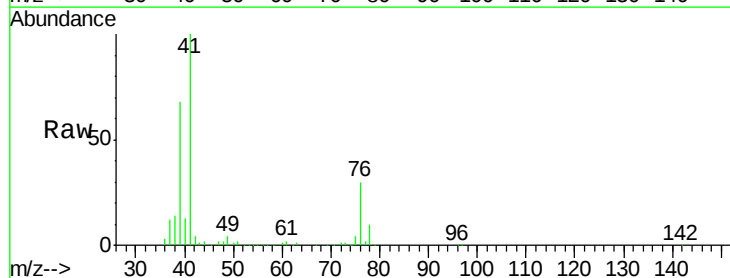
Tgt Ion: 41 Resp: 41634

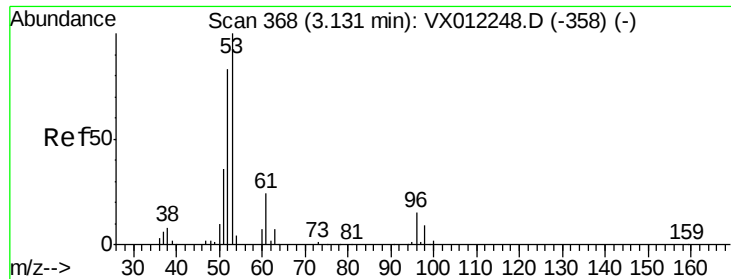
Ion Ratio Lower Upper

41 100

39 72.7 58.6 87.8

76 33.4 26.3 39.5





#15

Acrylonitrile

Concen: 94.053 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX012381.D

Acq: 13 Sep 2019 12:38

Instrument :

MSVOA_X

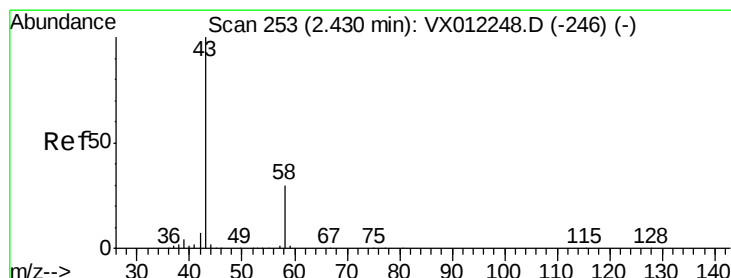
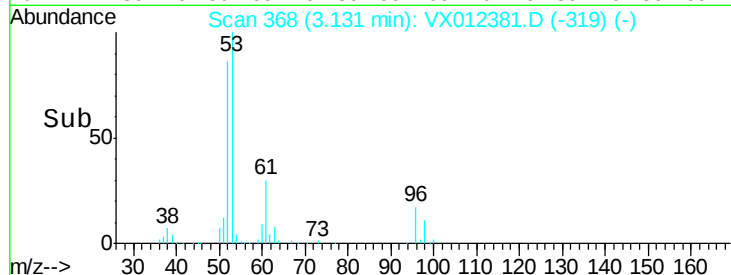
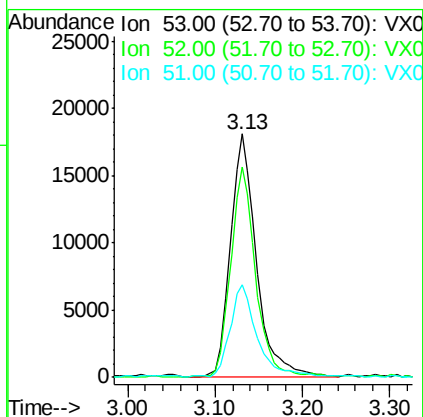
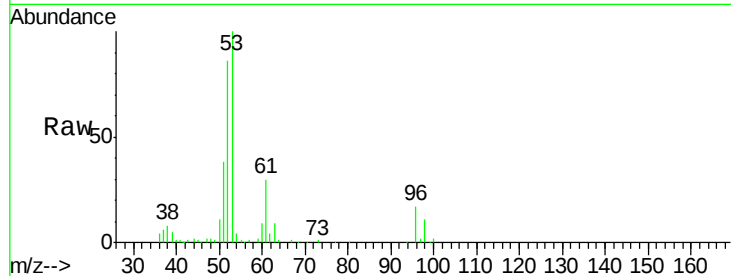
ClientSampleId :

VX0913SBS03

Tot Ion:	53	Resp:	37597
Ion Ratio	Lower	Upper	
53	100		
52	82.0	66.8	100.2
51	40.3	30.7	46.1

Manual Integrations
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#16

Acetone

Concen: 91.200 ug/l

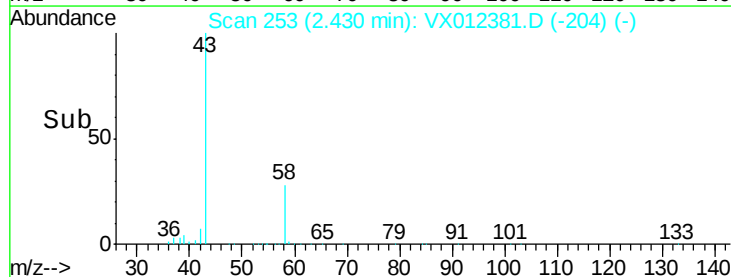
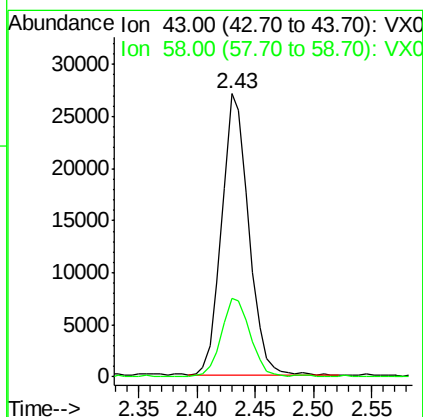
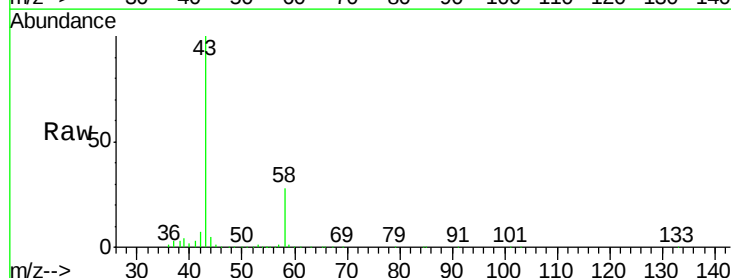
RT: 2.43 min Scan# 253

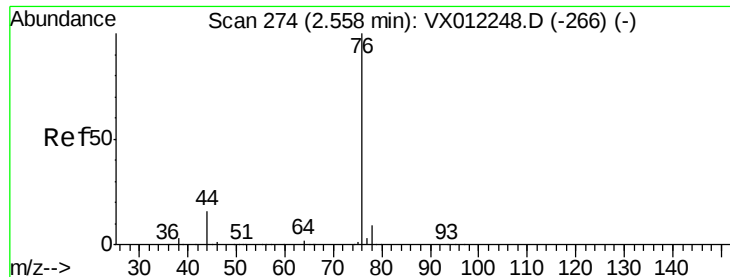
Delta R.T. -0.00 min

Lab File: VX012381.D

Acq: 13 Sep 2019 12:38

Tgt Ion:	43	Resp:	43741
Ion Ratio	Lower	Upper	
43	100		
58	27.8	23.6	35.4





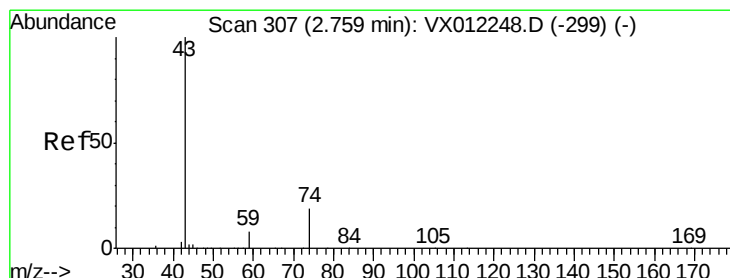
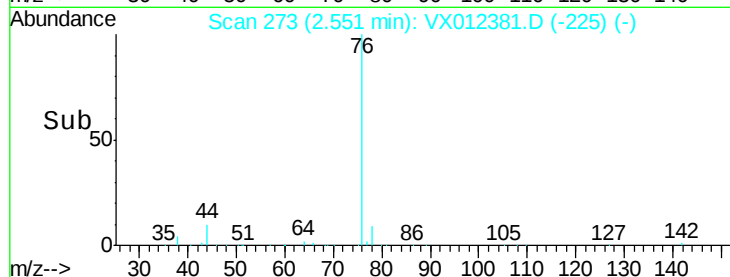
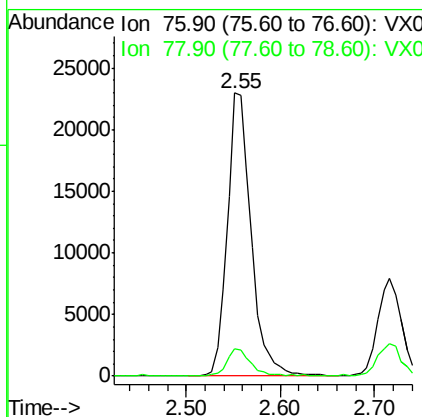
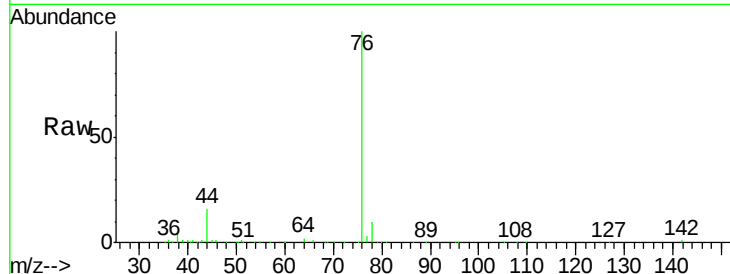
#17
Carbon Disulfide
Concen: 17.707 ug/l
RT: 2.55 min Scan# 273
Delta R.T. -0.01 min
Lab File: VX012381.D
Acq: 13 Sep 2019 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS03

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.2

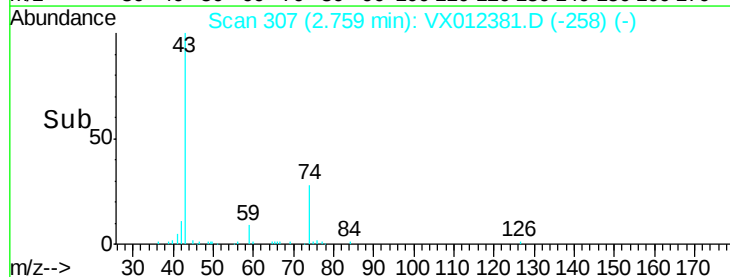
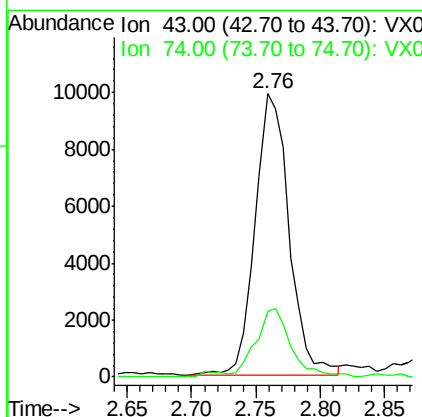
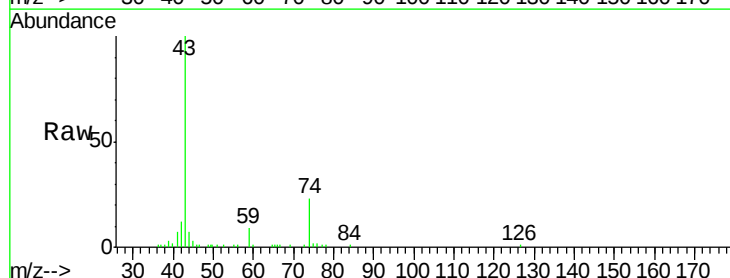
Manual Integrations
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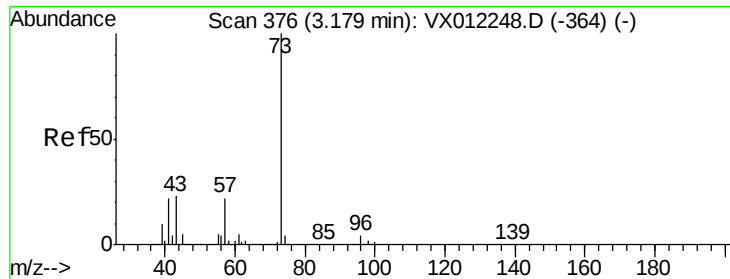
MMDadoda
9/16/2019 1:13:23 AM



#18
Methyl Acetate
Concen: 17.852 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.00 min
Lab File: VX012381.D
Acq: 13 Sep 2019 12:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.1	18.3	27.5





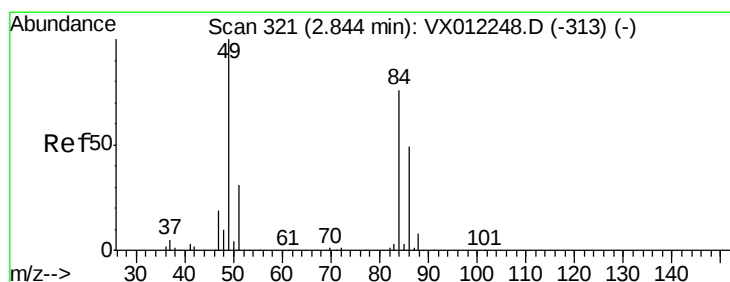
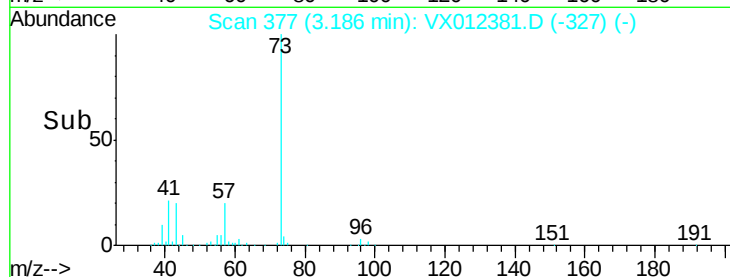
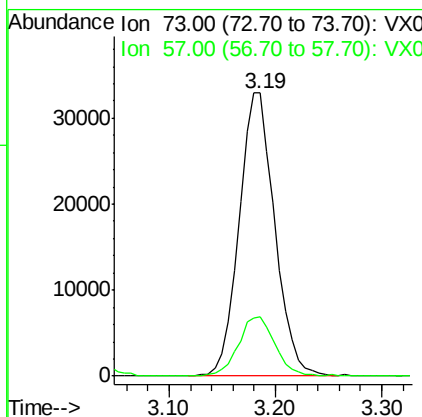
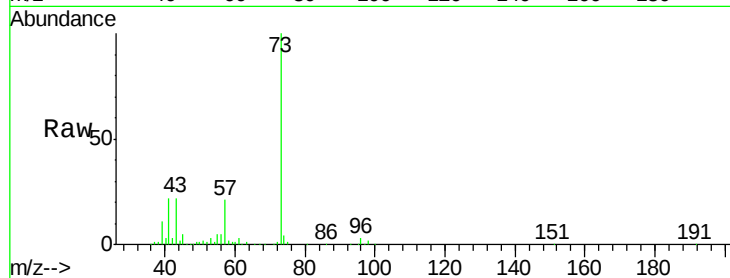
#19
Methvl tert-butvl Ether
Concen: 18.082 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.01 min
Lab File: VX012381.D
Acq: 13 Sep 2019 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS03

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.5	17.7	26.5

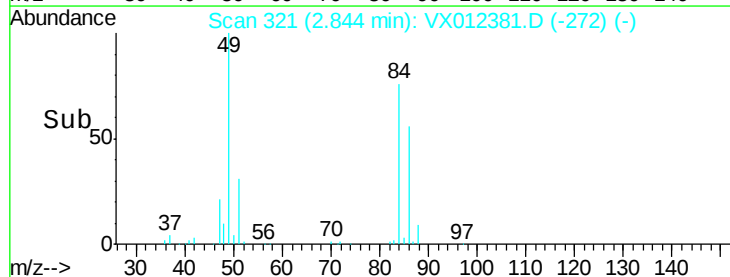
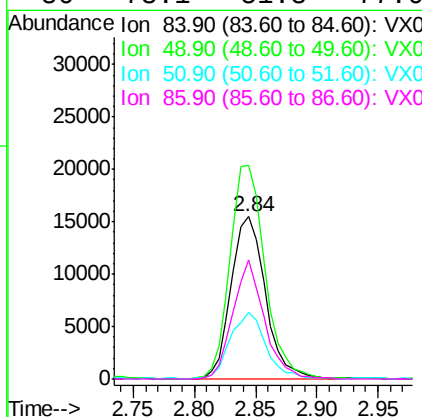
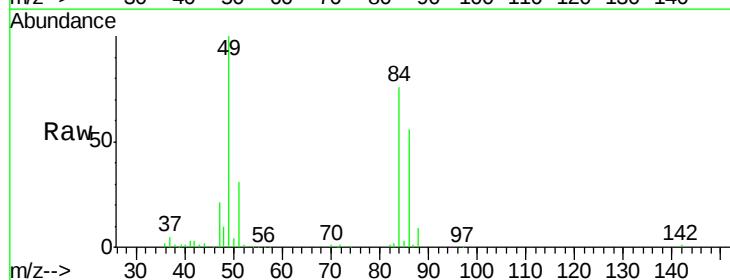
Manual Integrations
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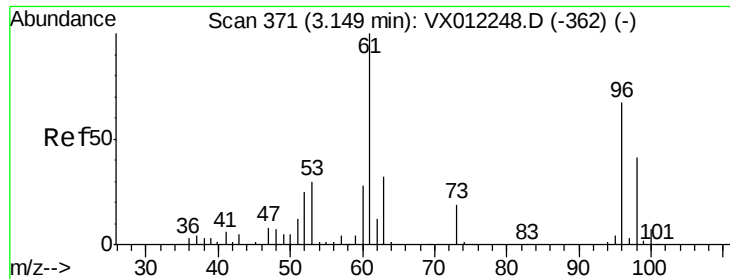
MMDadoda
9/16/2019 1:13:23 AM



#20
Methylene Chloride
Concen: 18.605 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012381.D
Acq: 13 Sep 2019 12:38

Tgt Ion	Ratio	Lower	Upper
84	100		
49	131.7	105.0	157.6
51	41.1	32.6	48.8
86	73.1	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 19.776 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012381.D

Acq: 13 Sep 2019 12:38

Instrument :

MSVOA_X

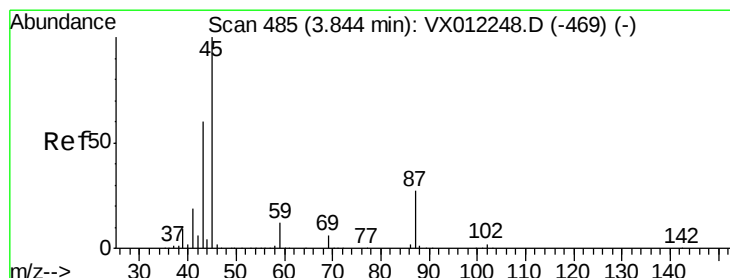
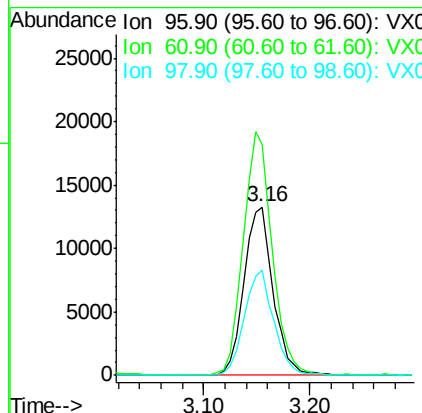
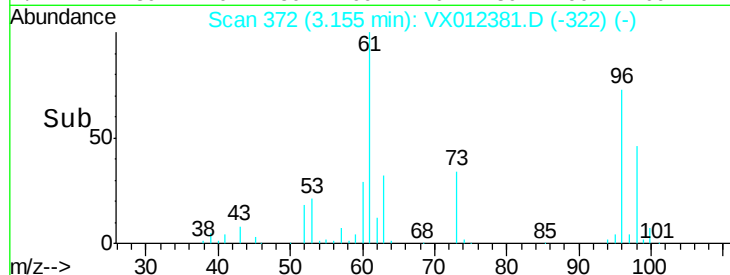
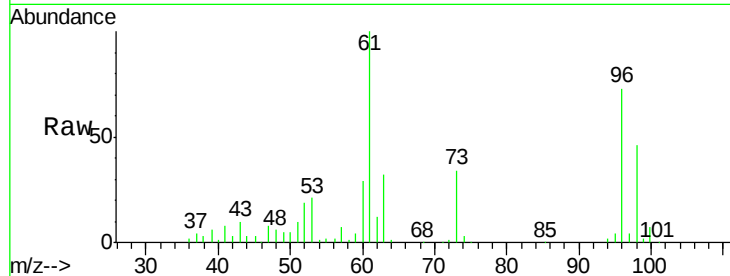
ClientSampleId :

VX0913SBS03

Tot Ion:	96	Resp:	25584
Ion	Ratio	Lower	Upper
96	100		
61	137.1	119.4	179.2
98	62.9	48.4	72.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.862 ug/l

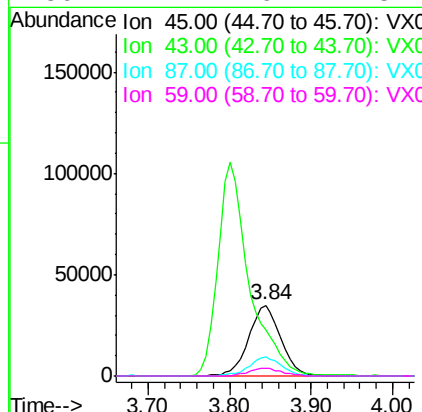
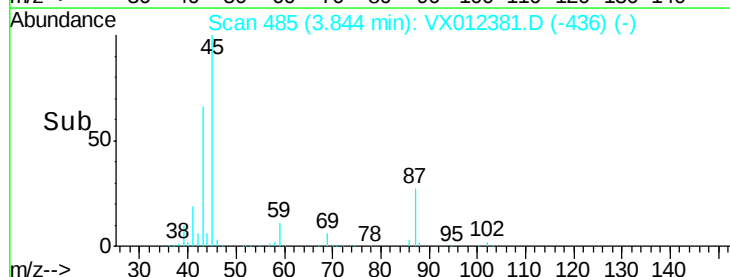
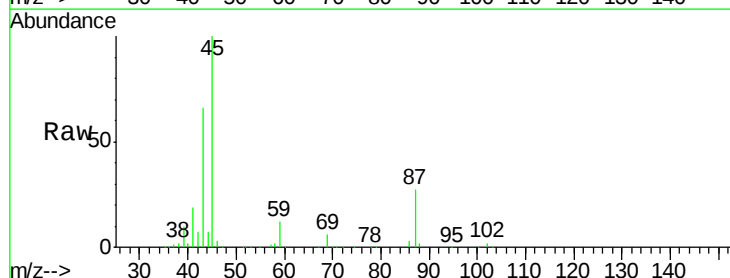
RT: 3.84 min Scan# 485

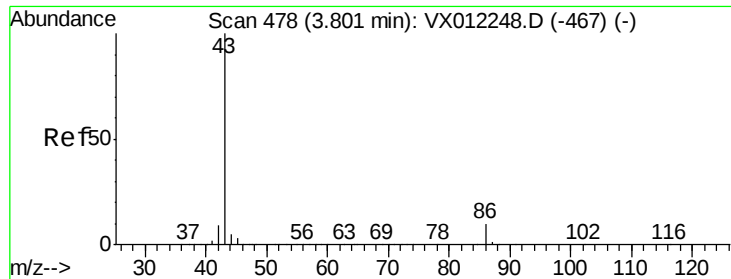
Delta R.T. -0.00 min

Lab File: VX012381.D

Acq: 13 Sep 2019 12:38

Tgt Ion:	45	Resp:	95368
Ion	Ratio	Lower	Upper
45	100		
43	65.6	48.3	72.5
87	27.0	21.8	32.8
59	11.4	9.1	13.7





#23

Vinyl Acetate

Concen: 91.562 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX012381.D

Acq: 13 Sep 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

VX0913SBS03

Tot Ion: 43 Resp: 284030

Ion Ratio Lower Upper

43 100

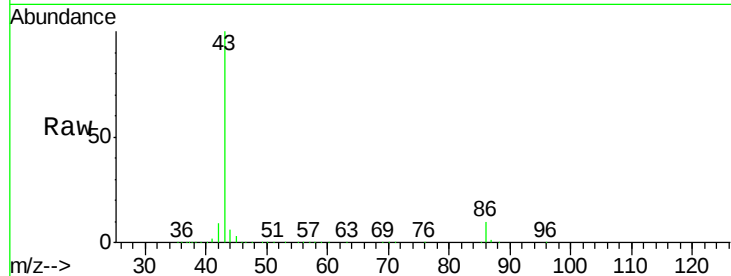
86 10.1 8.3 12.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.80

100000

80000

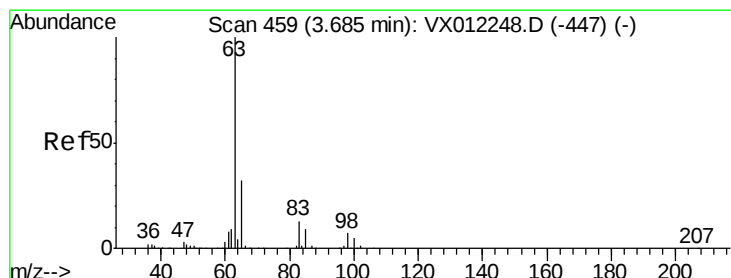
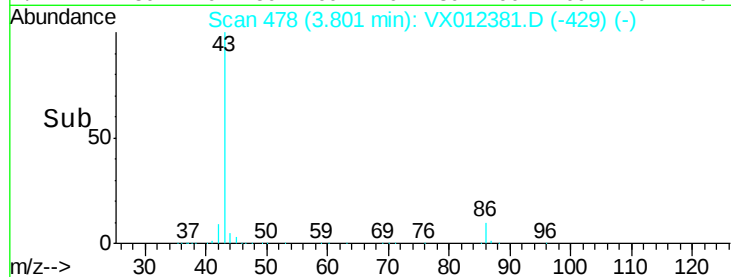
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.376 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX012381.D

Acq: 13 Sep 2019 12:38

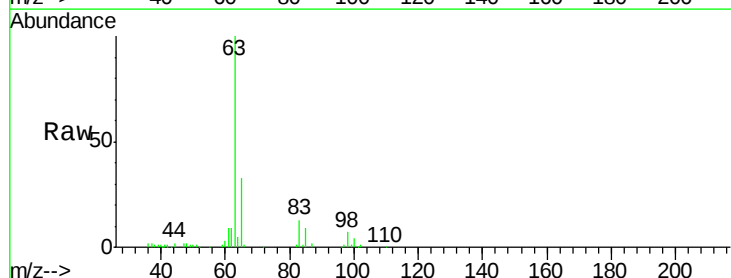
Tgt Ion: 63 Resp: 52474

Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.1

100 4.3 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.68

30000

25000

20000

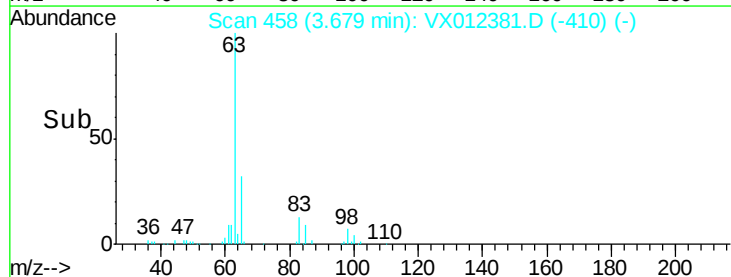
15000

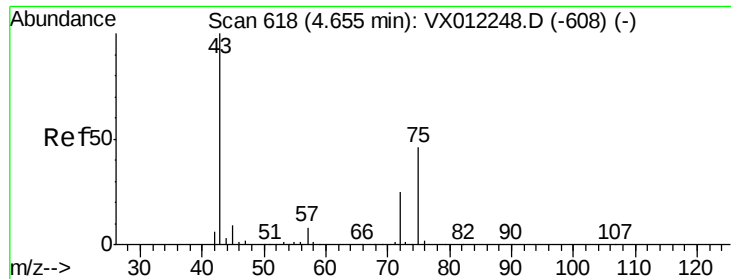
10000

5000

0

Time-->





#25

2-Butanone

Concen: 92.980 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX012381.D

Acq: 13 Sep 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

VX0913SBS03

Tot Ion: 43 Resp: 57008

Ion Ratio Lower Upper

43 100

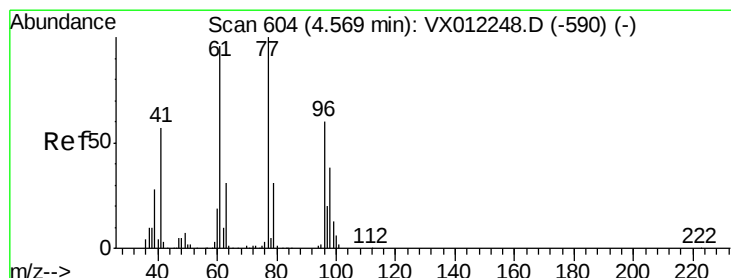
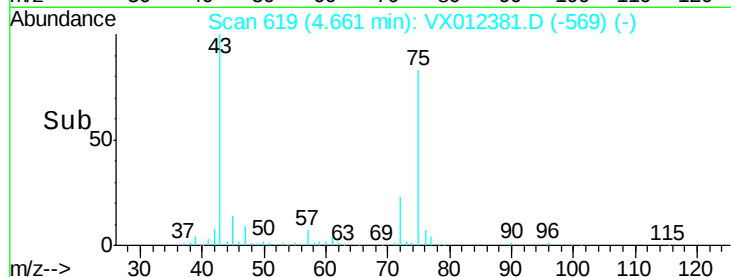
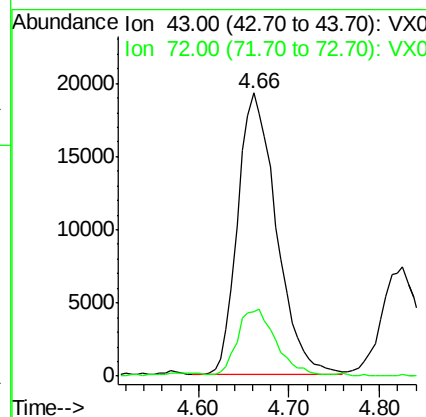
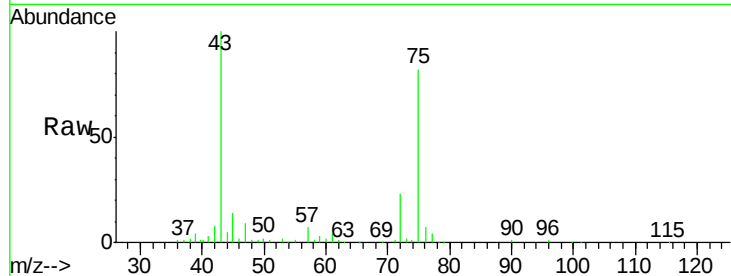
72 22.2 20.2 30.2

Manual Integrations

APPROVED

MMDadoda

9/16/2019 1:13:23 AM



#26

2,2-Dichloropropane

Concen: 19.500 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX012381.D

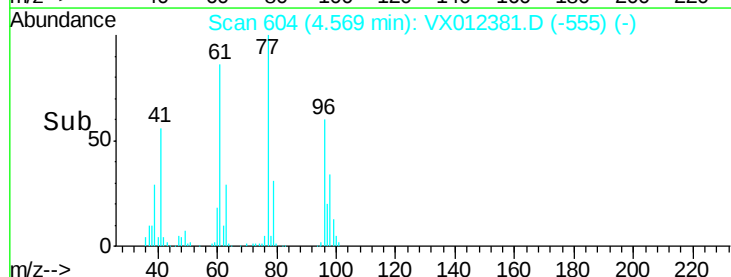
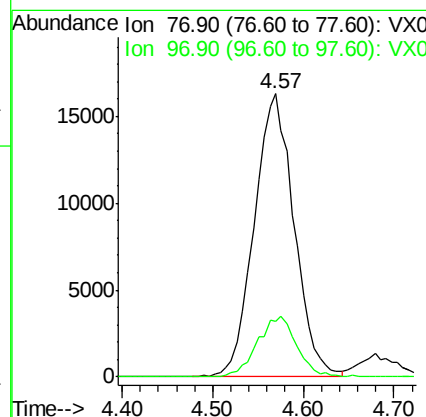
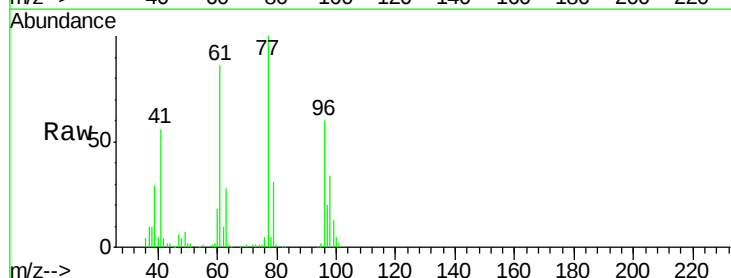
Acq: 13 Sep 2019 12:38

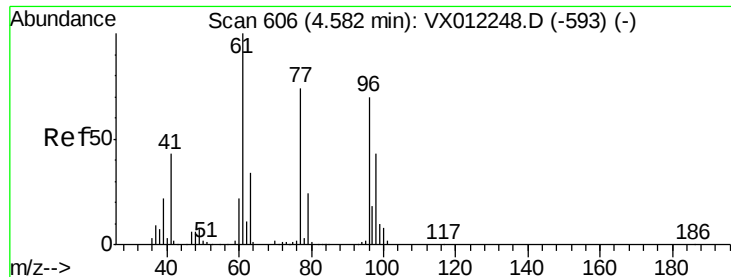
Tgt Ion: 77 Resp: 49580

Ion Ratio Lower Upper

77 100

97 21.0 10.7 32.1





#27

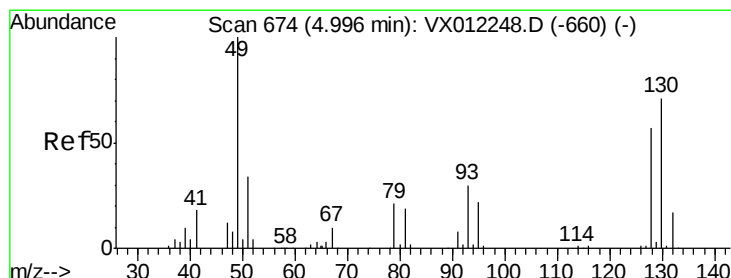
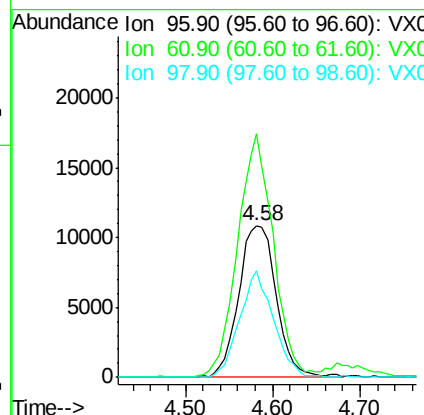
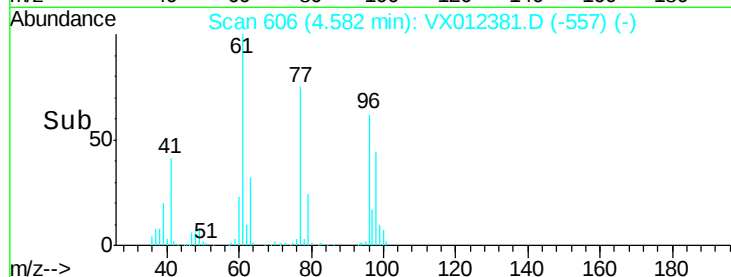
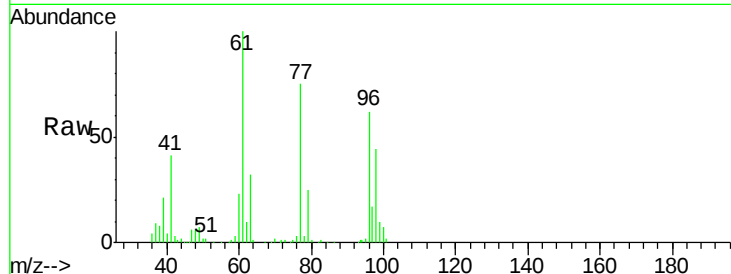
cis-1,2-Dichloroethene
Concen: 19.432 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX012381.D
Acq: 13 Sep 2019 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS03

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	152.6	0.0	310.4	
98	63.3	0.0	128.8	

Manual Integrations
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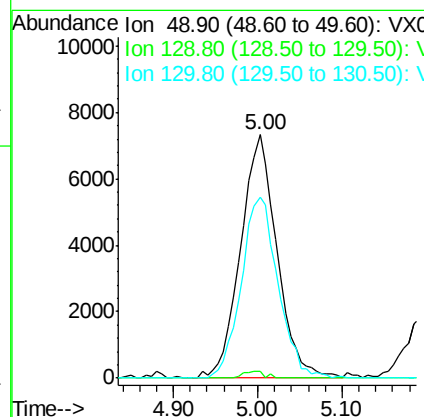
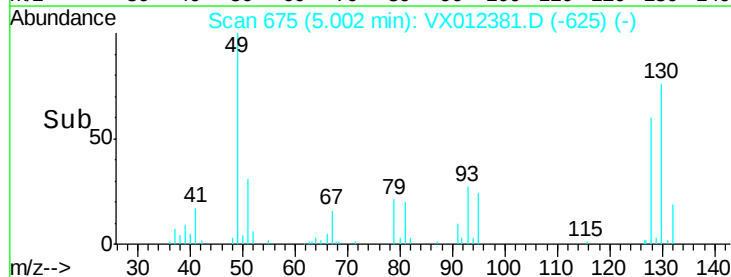
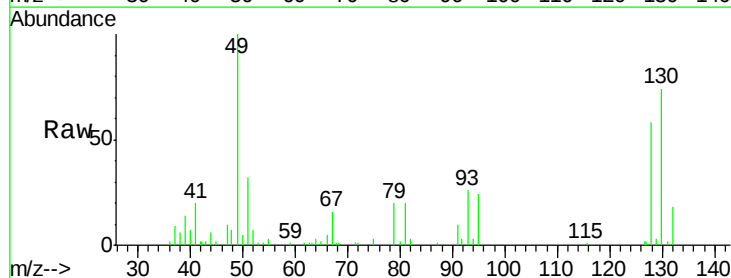
MMDadoda
9/16/2019 1:13:23 AM

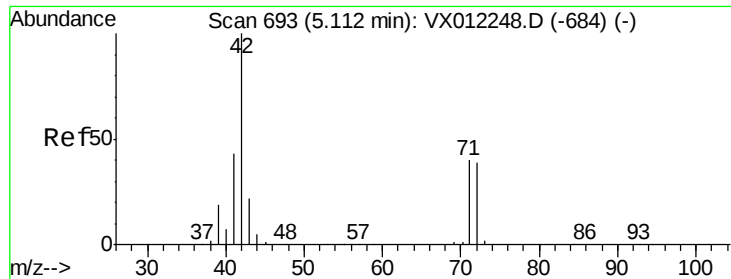


#28

Bromochloromethane
Concen: 16.865 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.01 min
Lab File: VX012381.D
Acq: 13 Sep 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.5	0.0	5.2	
130	75.2	60.1	90.1	





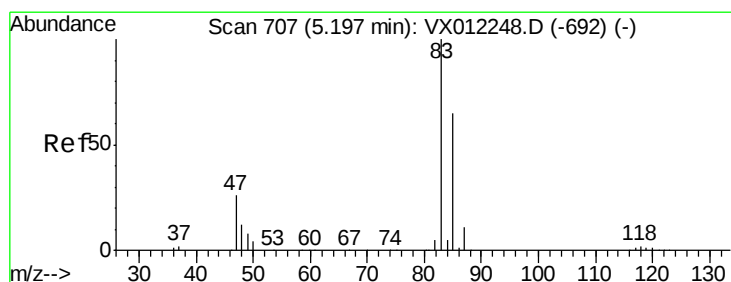
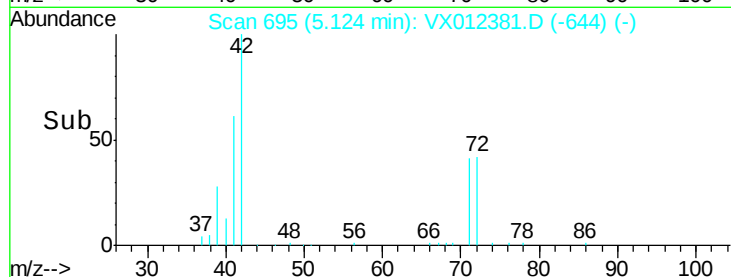
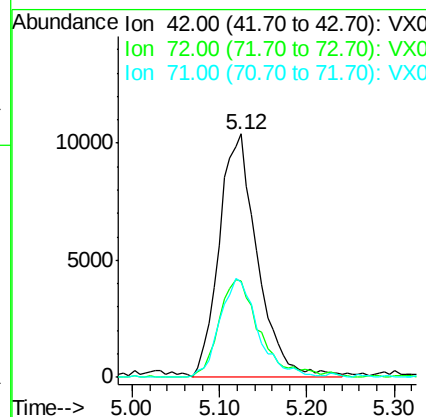
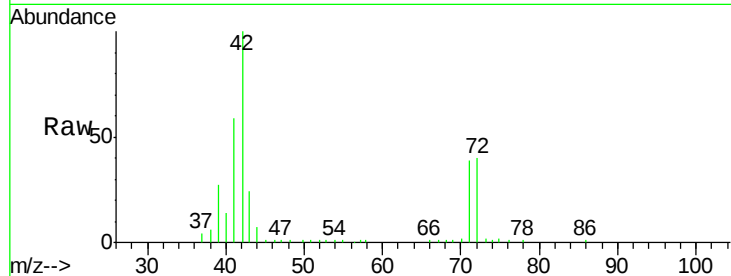
#29
Tetrahydrofuran
Concen: 95.395 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX012381.D
Acq: 13 Sep 2019 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS03

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.8	35.2	52.8
71	40.8	32.5	48.7

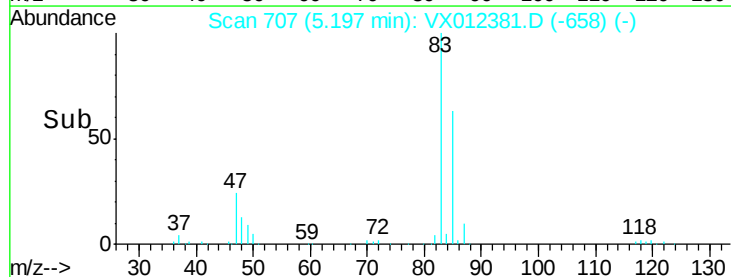
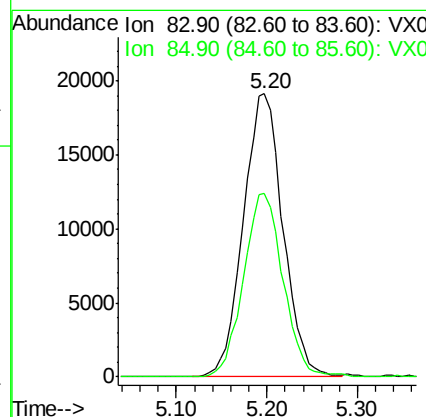
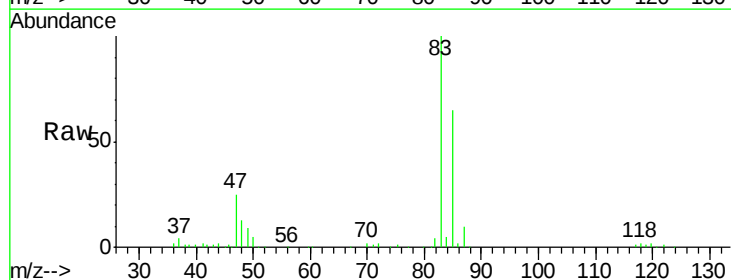
Manual Integrations
APPROVED

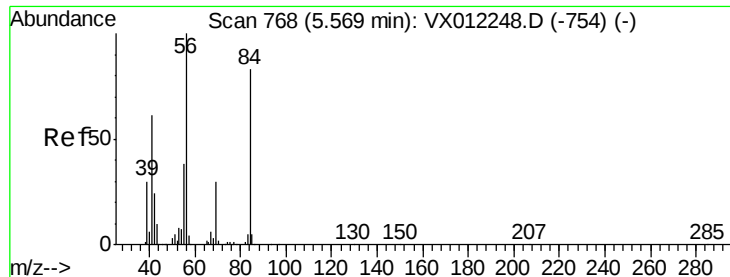
MMDadoda
9/16/2019 1:13:23 AM



#30
Chloroform
Concen: 18.962 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.00 min
Lab File: VX012381.D
Acq: 13 Sep 2019 12:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.3	78.5





#31

Cyclohexane

Concen: 19.517 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX012381.D

Acq: 13 Sep 2019 12:38

Instrument :

MSVOA_X

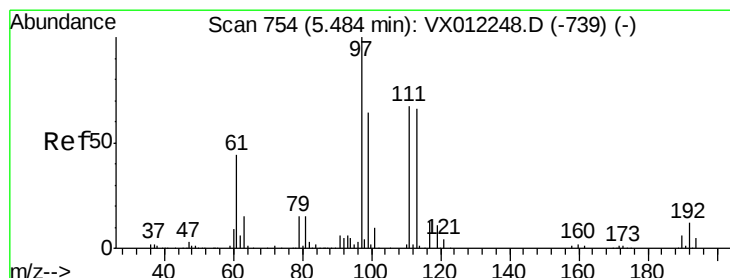
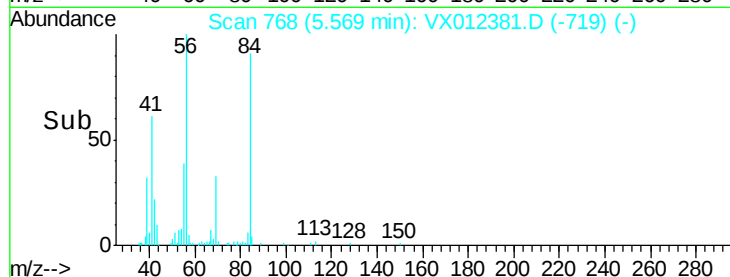
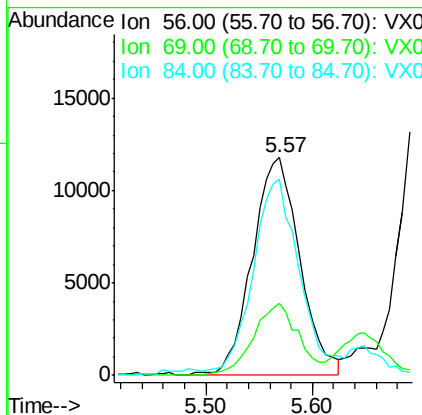
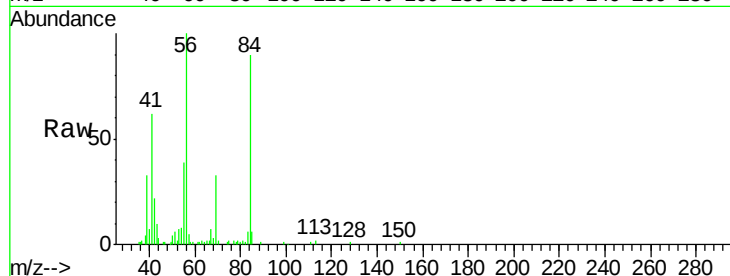
ClientSampleId :

VX0913SBS03

Tot Ion:	56	Resp:	36717
Ion Ratio	Lower	Upper	
56	100		
69	33.2	23.8	35.6
84	87.0	66.6	100.0

Manual Integrations
APPROVED

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9/16/2019 1:13:23 AM



#32

1,1,1-Trichloroethane

Concen: 18.739 ug/l

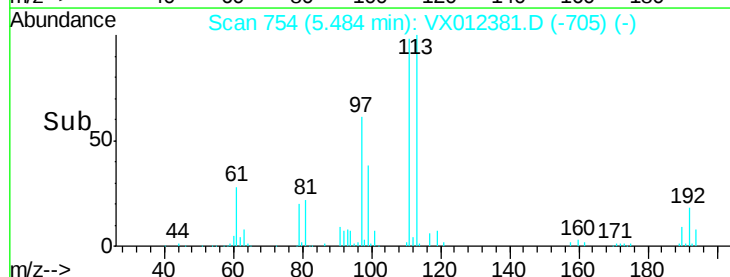
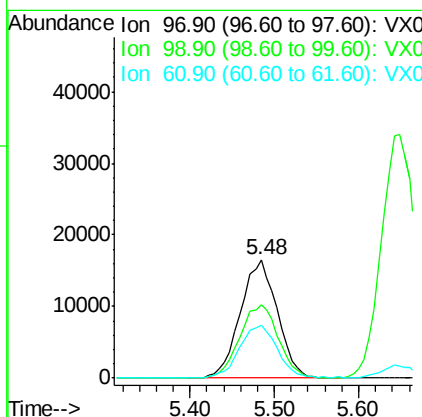
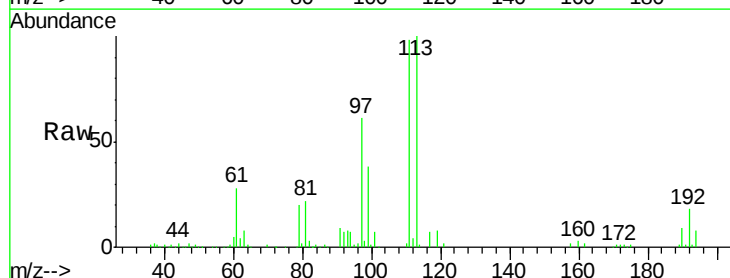
RT: 5.48 min Scan# 754

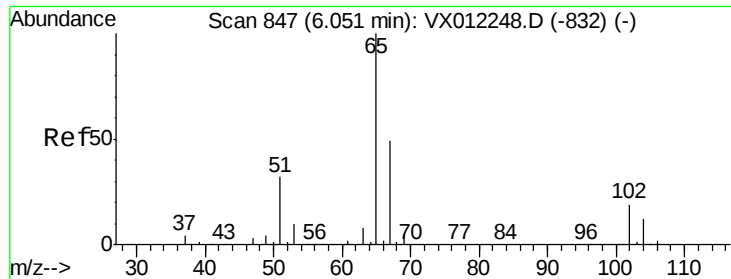
Delta R.T. -0.00 min

Lab File: VX012381.D

Acq: 13 Sep 2019 12:38

Tgt Ion:	97	Resp:	49139
Ion Ratio	Lower	Upper	
97	100		
99	64.6	51.3	76.9
61	46.2	35.4	53.0





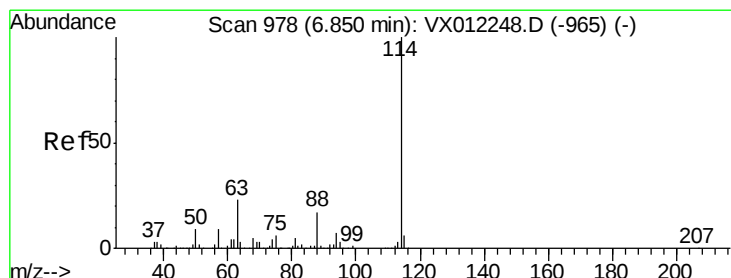
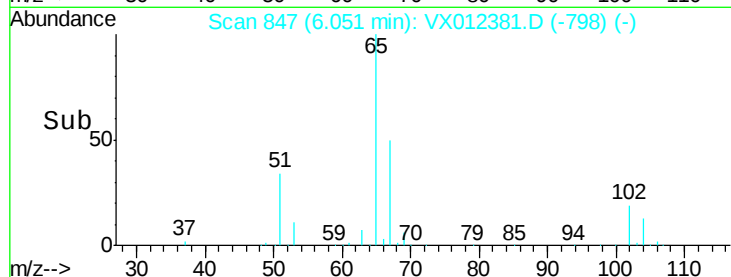
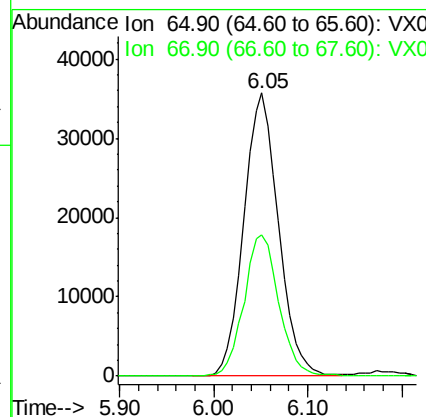
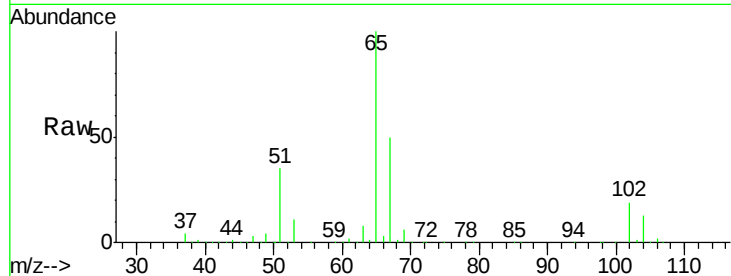
#33
 1,2-Dichloroethane-d4
 Concen: 45.414 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012381.D
 Acq: 13 Sep 2019 12:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913SBS03

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	99.8

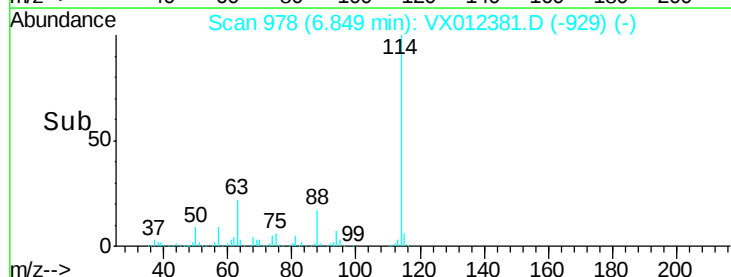
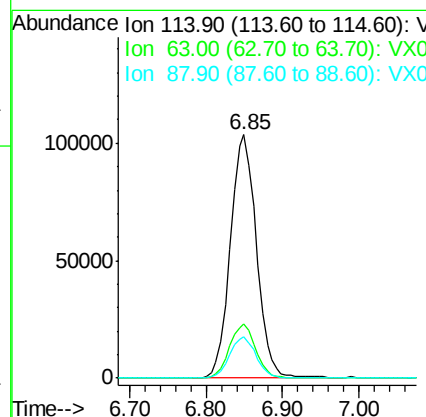
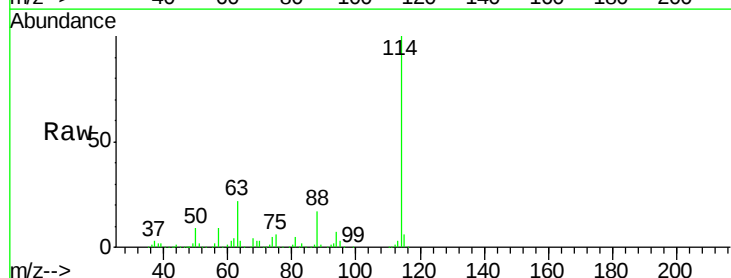
Manual Integrations
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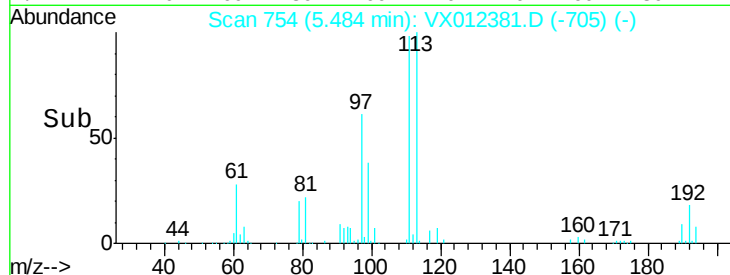
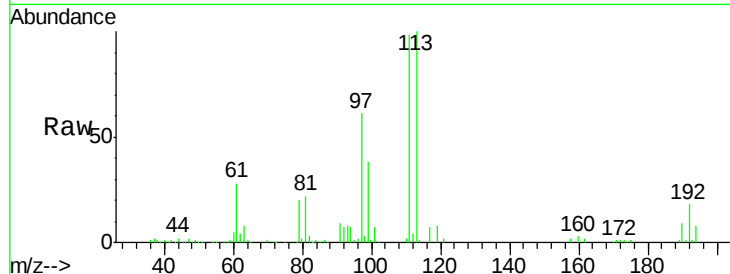
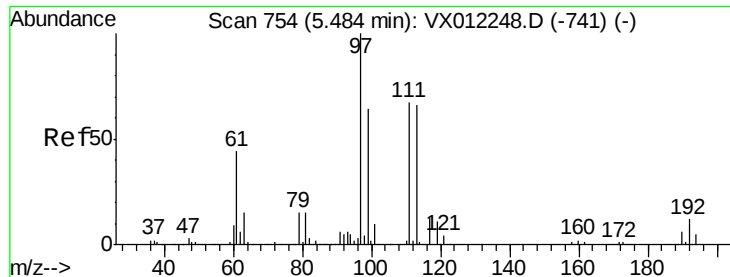
MMDadoda
 9/16/2019 1:13:23 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012381.D
 Acq: 13 Sep 2019 12:38

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	45.2
88	17.1	0.0	34.8





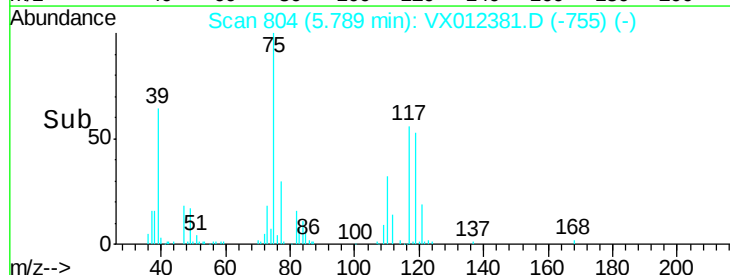
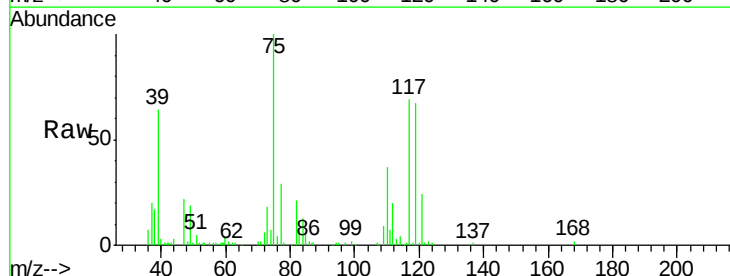
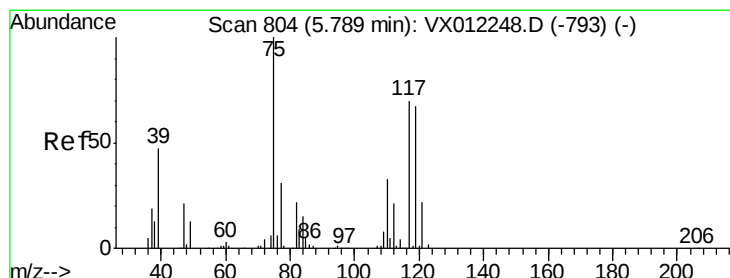
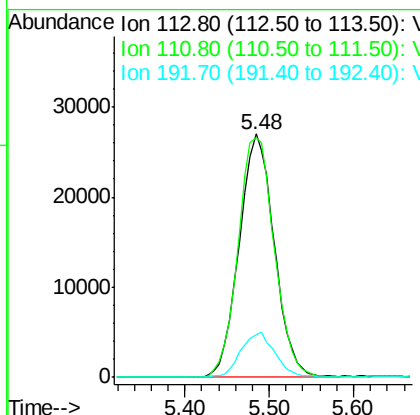
#35
Dibromofluoromethane
Concen: 48.502 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.00 min
Lab File: VX012381.D
Acq: 13 Sep 2019 12:38

Tot Ion	Ratio	Resp	Lower	Upper
113	100	76062		
111	102.3		83.0	124.6
192	18.1		14.3	21.5

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS03

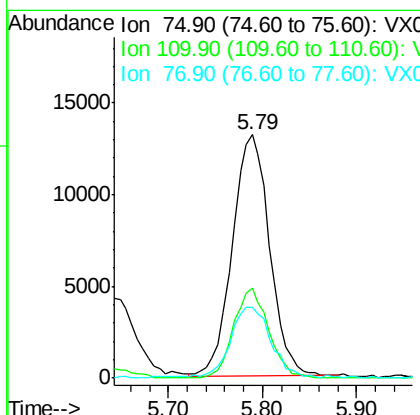
Manual Integrations
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#36
1,1-Dichloropropene
Concen: 20.291 ug/l
RT: 5.79 min Scan# 804
Delta R.T. -0.00 min
Lab File: VX012381.D
Acq: 13 Sep 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	36195		
110	35.3		16.8	50.4
77	32.4		24.5	36.7





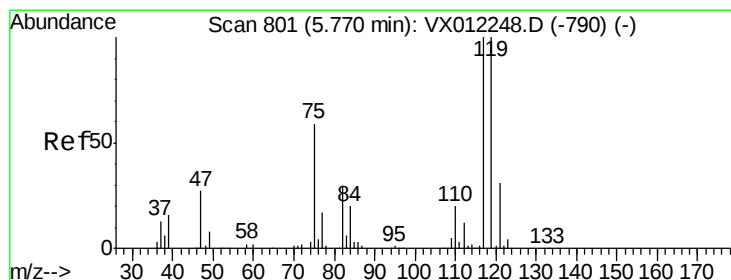
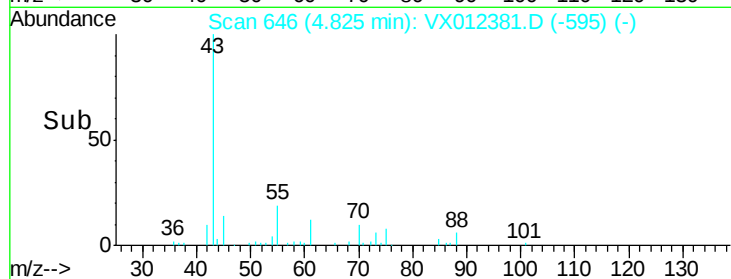
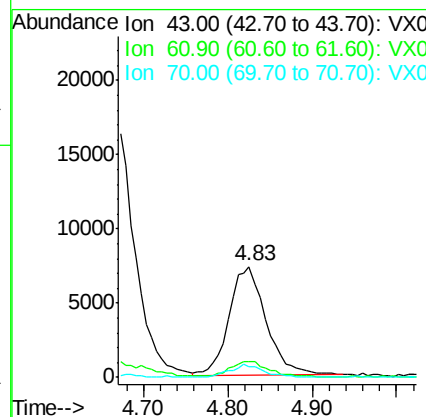
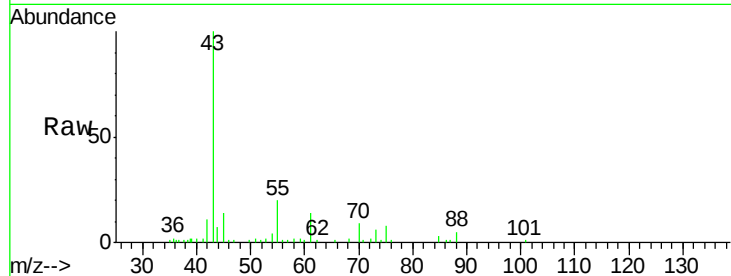
#37
Ethyl Acetate
Concen: 19.713 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.01 min
Lab File: VX012381.D
Acq: 13 Sep 2019 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.3	15.5
70	10.9	9.1	13.7

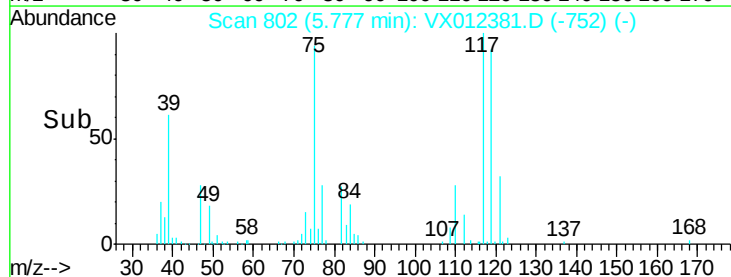
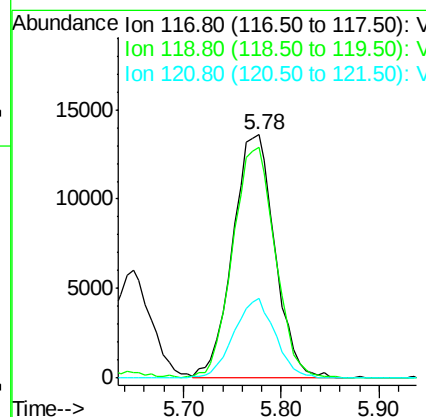
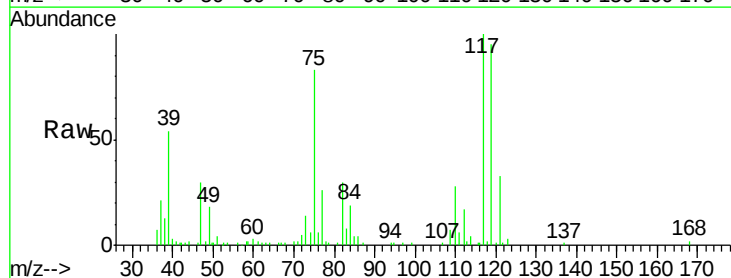
Manual Integrations
APPROVED

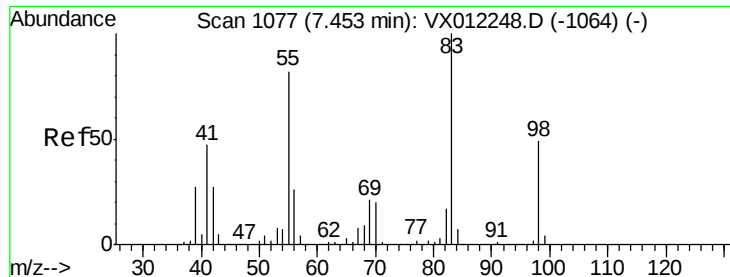
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#38
Carbon Tetrachloride
Concen: 19.472 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.01 min
Lab File: VX012381.D
Acq: 13 Sep 2019 12:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	79.6	119.4
121	32.5	24.7	37.1





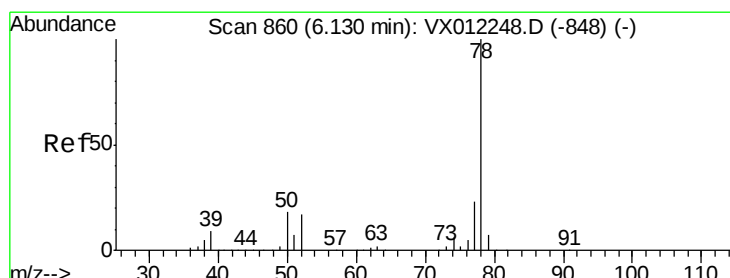
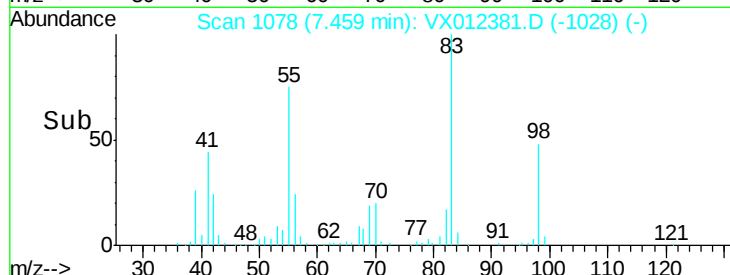
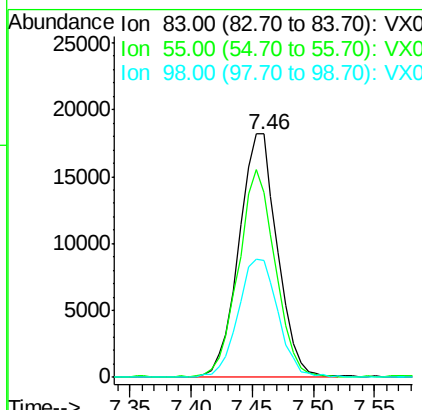
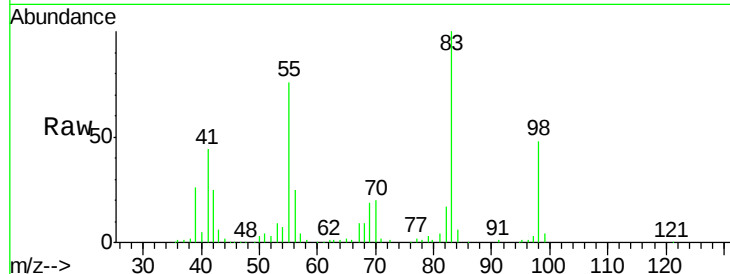
#39
Methylvlcyclohexane
Concen: 20.273 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VX012381.D
Acq: 13 Sep 2019 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS03

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.8	65.4	98.2
98	48.2	39.6	59.4

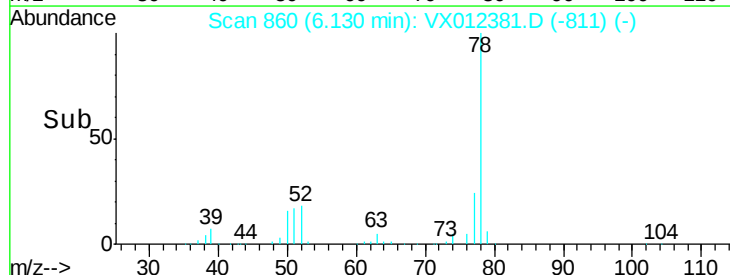
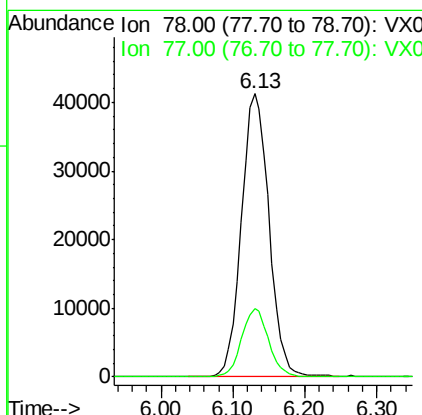
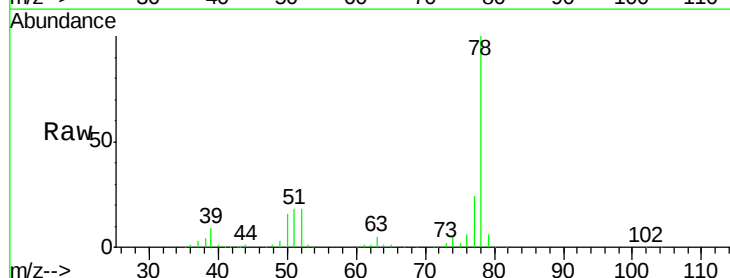
Manual Integrations
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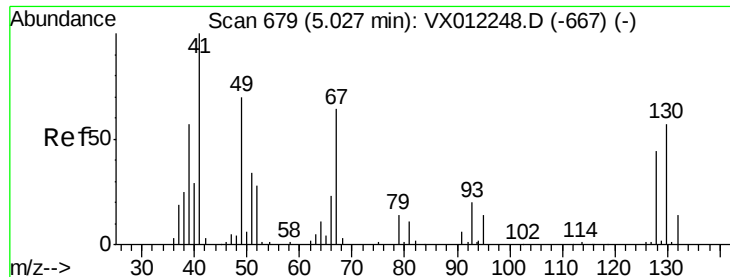
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#40
Benzene
Concen: 20.348 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012381.D
Acq: 13 Sep 2019 12:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.0	27.0





#41

Methacrylonitrile

Concen: 19.127 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.00 min

Lab File: VX012381.D

Acq: 13 Sep 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

VX0913SBS03

Tot Ion: 41 Resp: 13002

Ion Ratio Lower Upper

41 100

39 61.7 49.0 73.4

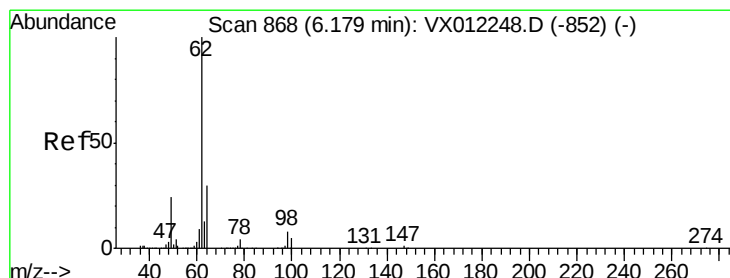
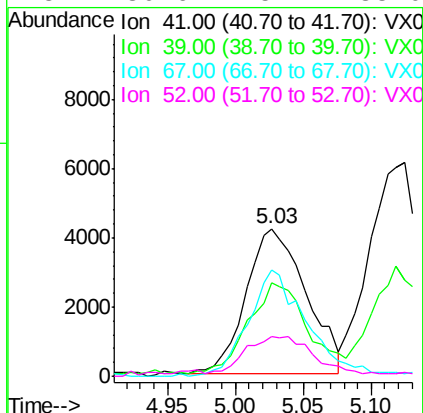
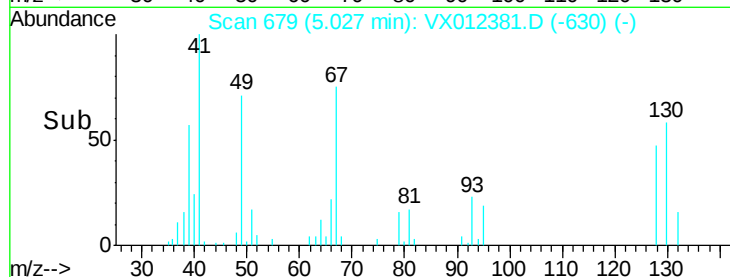
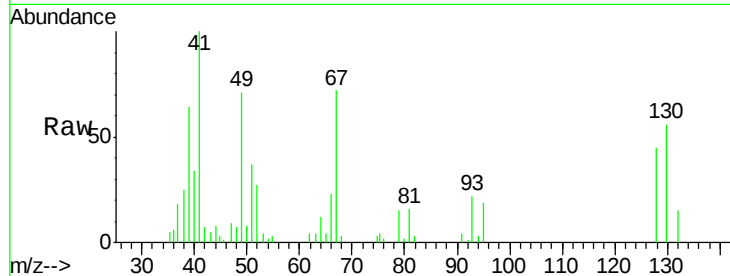
67 71.4 55.0 82.4

52 30.6 25.4 38.0

Manual Integrations
APPROVED

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#42

1,2-Dichloroethane

Concen: 19.528 ug/l

RT: 6.18 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX012381.D

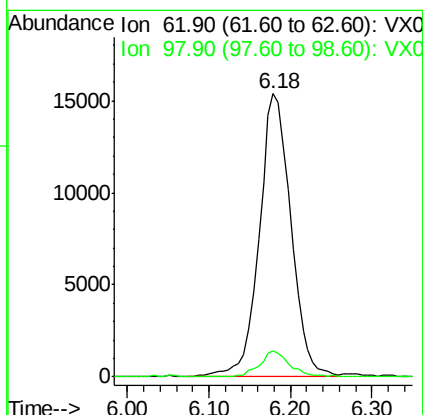
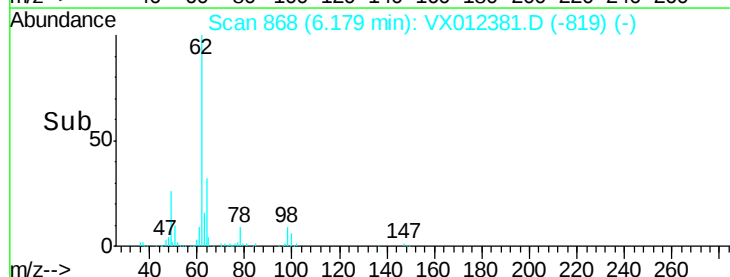
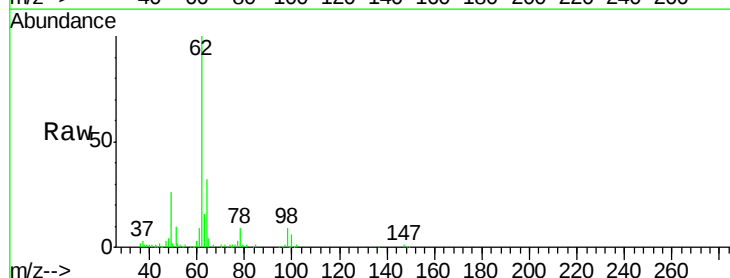
Acq: 13 Sep 2019 12:38

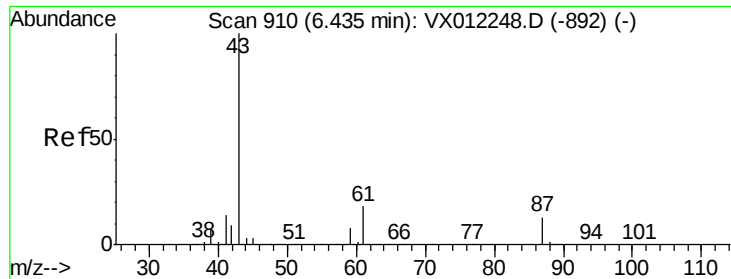
Tgt Ion: 62 Resp: 41668

Ion Ratio Lower Upper

62 100

98 8.6 0.0 17.2





#43

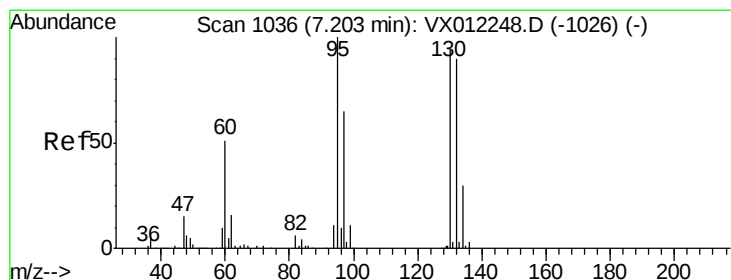
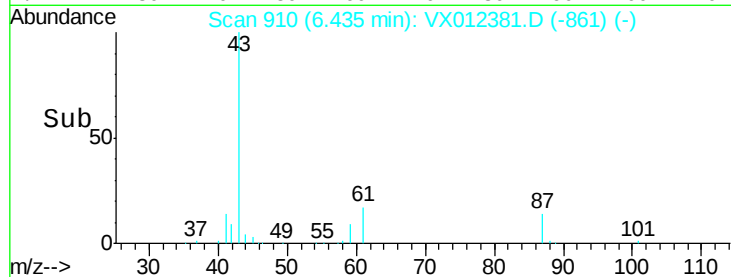
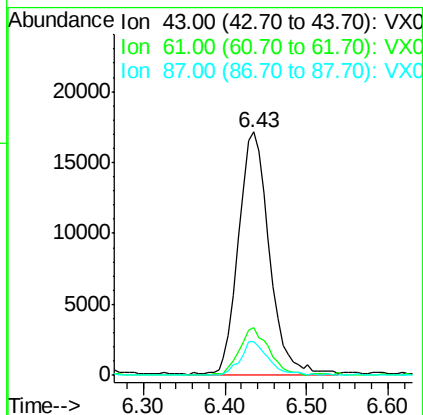
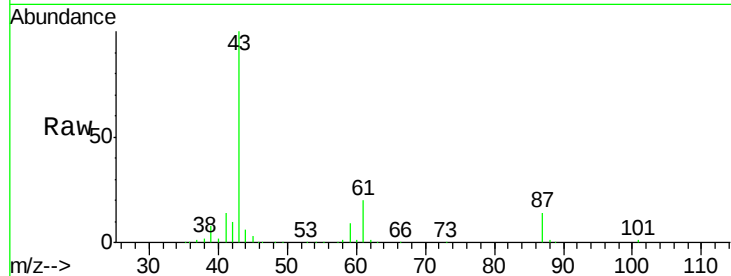
Isopropyl Acetate
 Concen: 19.239 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: VX012381.D
 Acq: 13 Sep 2019 12:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913SBS03

Tot Ion	43	Resp	44727
Ion Ratio	100	Lower	Upper
43	100		
61	19.3	15.4	23.2
87	12.7	10.5	15.7

Manual Integrations
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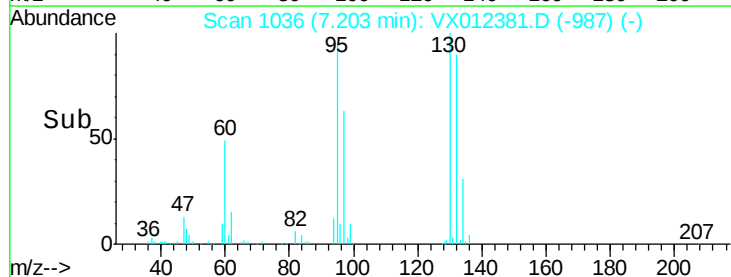
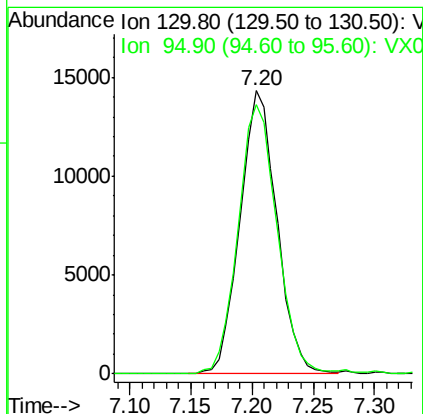
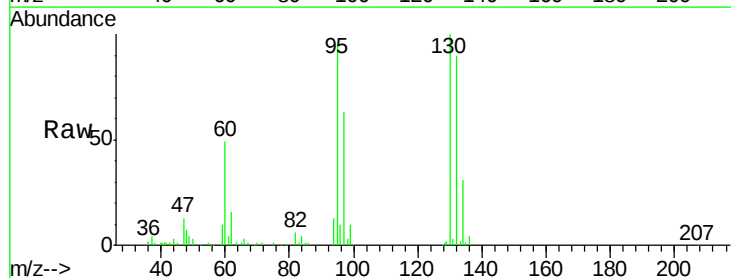
MMDadoda
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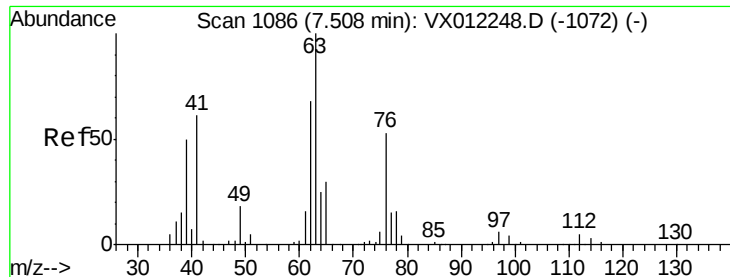


#44

Trichloroethene
 Concen: 20.531 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VX012381.D
 Acq: 13 Sep 2019 12:38

Tgt Ion	130	Resp	29997
Ion Ratio	100	Lower	Upper
130	100		
95	95.3	0.0	212.0





#45

1,2-Dichloropropane

Concen: 20.431 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX012381.D

Acq: 13 Sep 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

VX0913SBS03

Tot Ion: 63 Resp: 30532

Ion Ratio Lower Upper

63 100

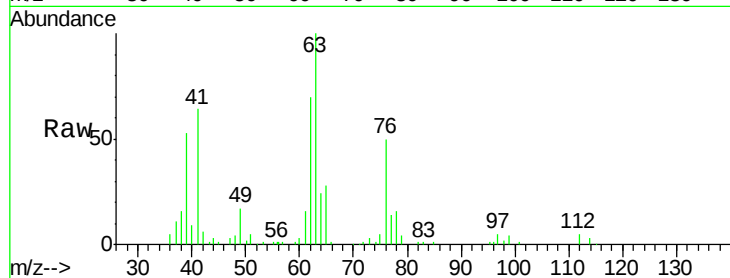
65 28.2 24.3 36.5

Manual Integrations

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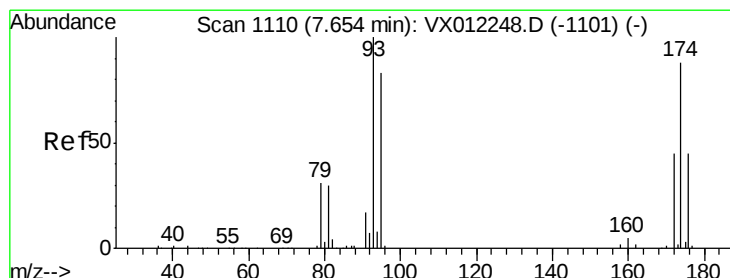
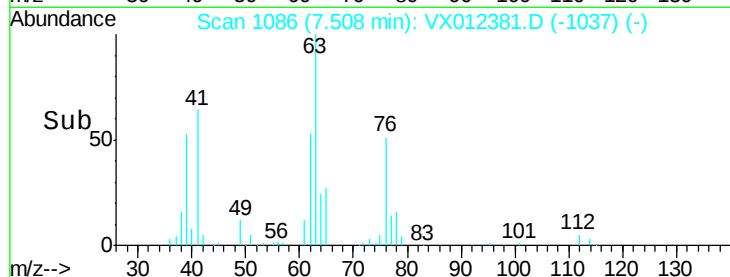
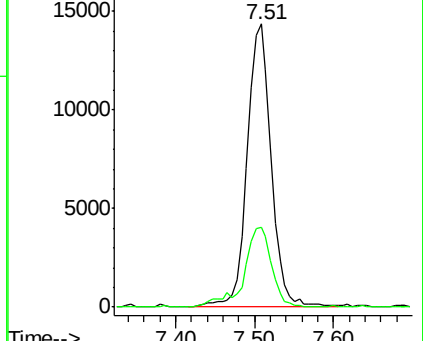
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.934 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX012381.D

Acq: 13 Sep 2019 12:38

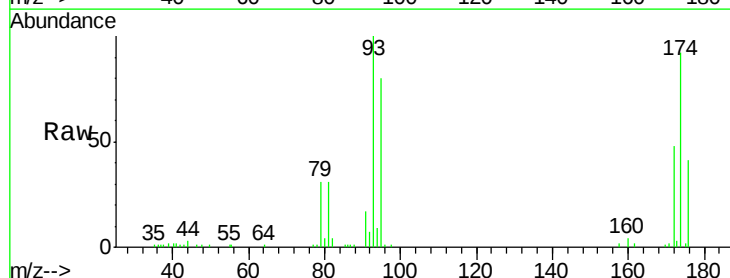
Tgt Ion: 93 Resp: 16281

Ion Ratio Lower Upper

93 100

95 80.3 65.7 98.5

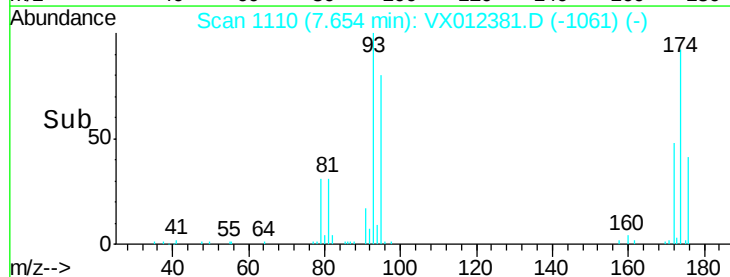
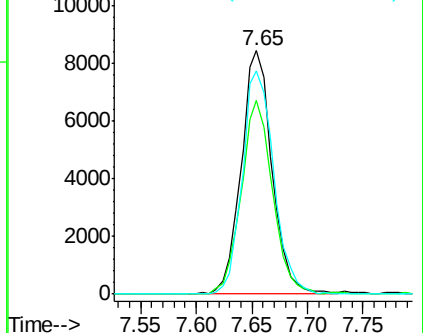
174 93.2 71.0 106.4

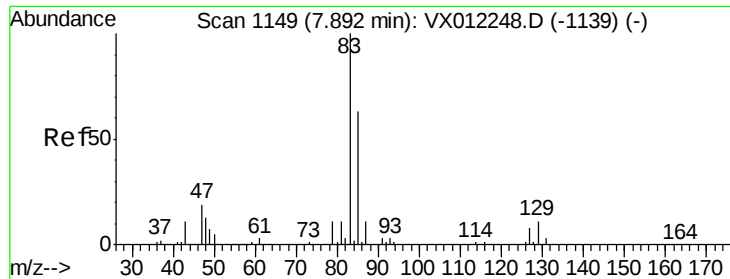


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





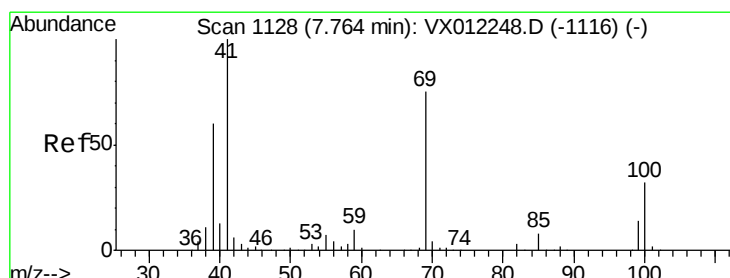
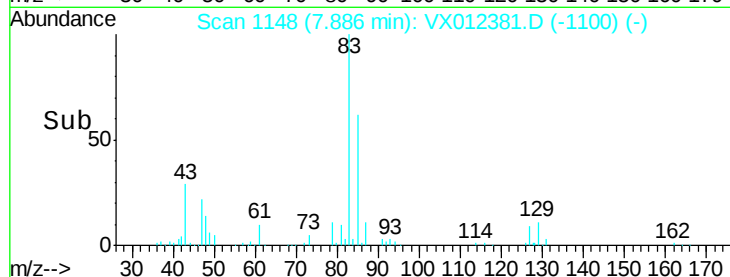
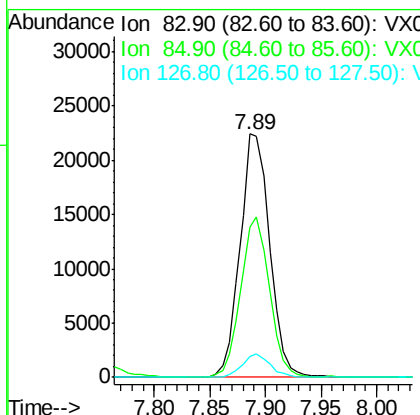
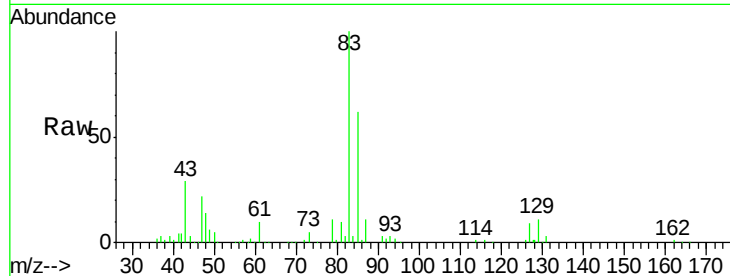
#47
Bromodichloromethane
Concen: 18.664 ug/l
RT: 7.89 min Scan# 1148
Delta R.T. -0.01 min
Lab File: VX012381.D
Acq: 13 Sep 2019 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS03

Tot Ion	83	Resp	41599
Ion Ratio	100		
85	61.8	50.2	75.4
127	8.8	6.3	9.5

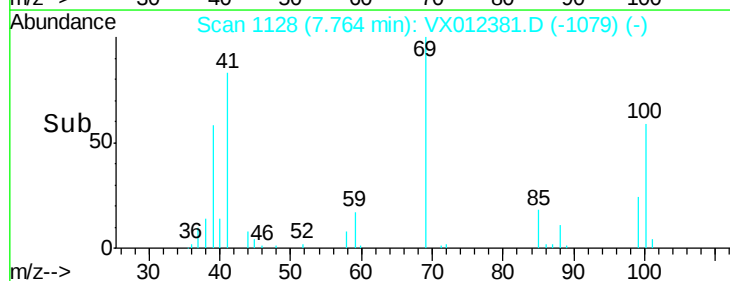
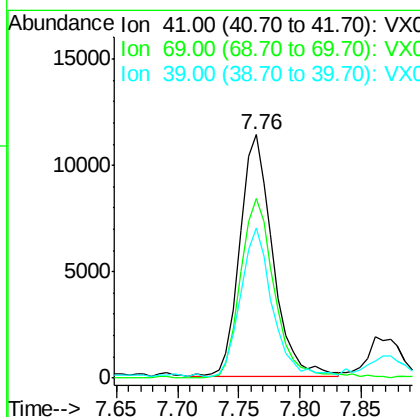
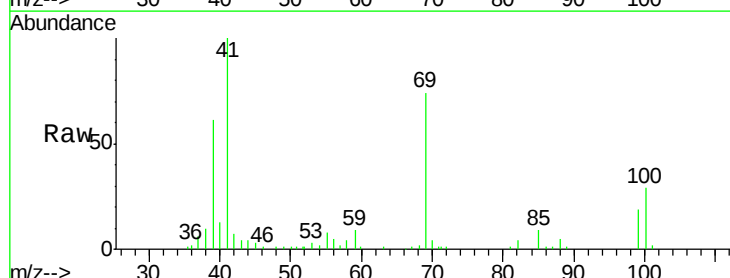
Manual Integrations
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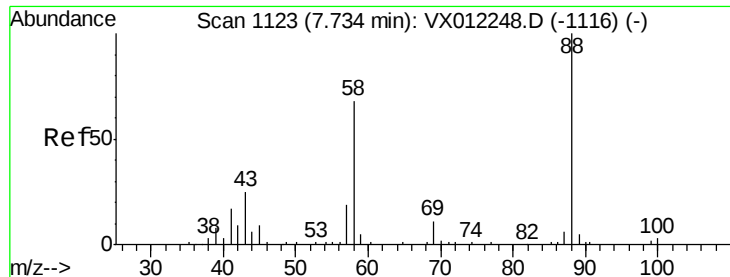
MMDadoda
9/16/2019 1:13:23 AM



#48
Methyl methacrylate
Concen: 19.012 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX012381.D
Acq: 13 Sep 2019 12:38

Tgt Ion	41	Resp	21156
Ion Ratio	100		
69	77.5	61.8	92.6
39	58.3	48.6	73.0





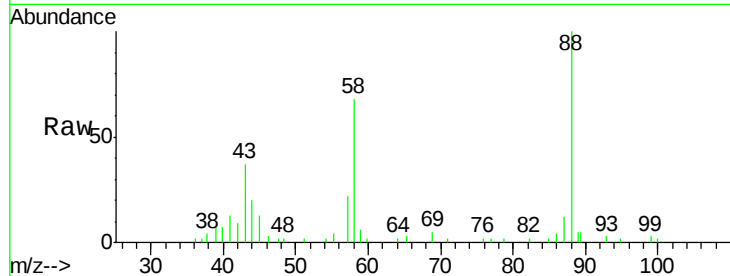
#49
1,4-Dioxane
Concen: 410.375 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX012381.D
Acq: 13 Sep 2019 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS03

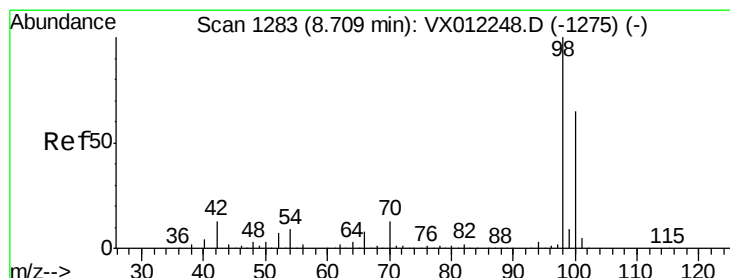
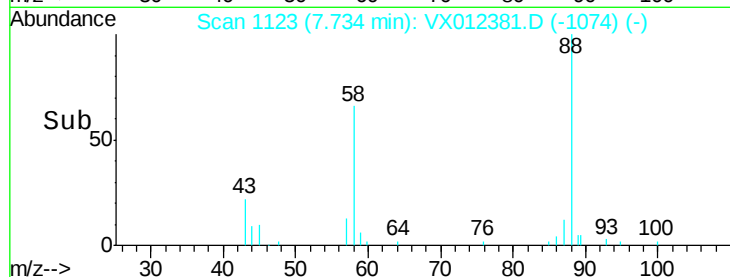
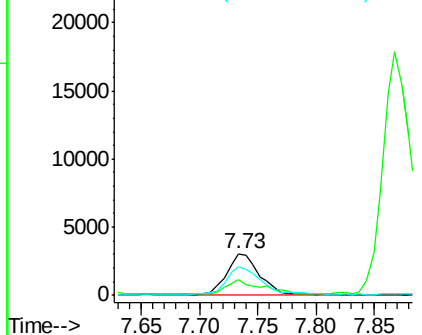
Tot Ion	Ratio	Lower	Upper
88	100		
43	35.3	31.0	46.4
58	74.2	61.5	92.3

Manual Integrations
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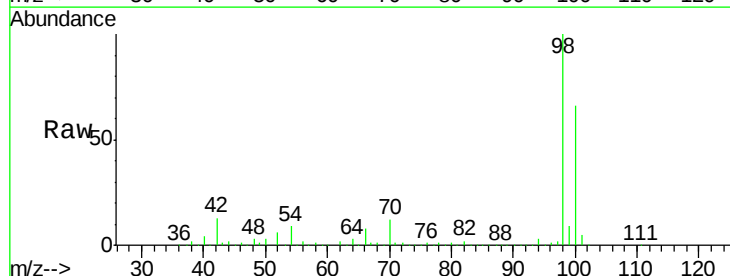


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

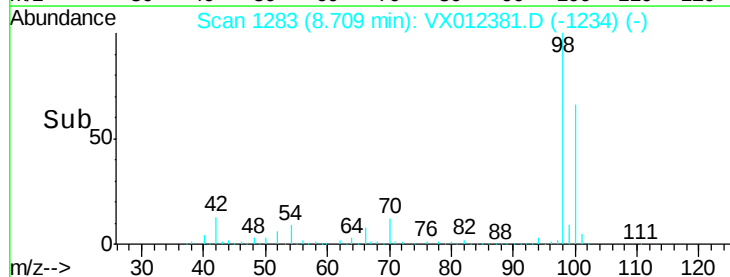
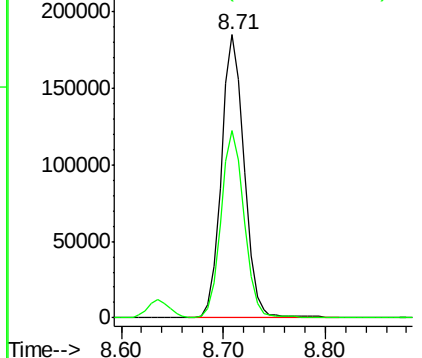


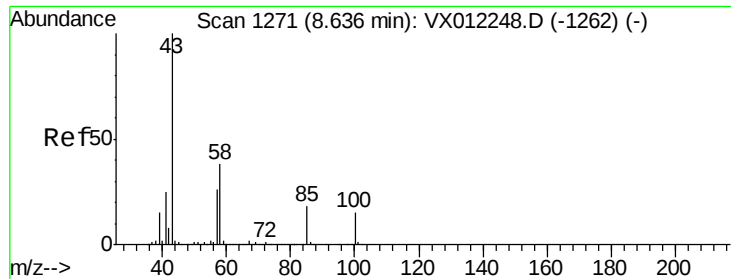
#50
Toluene-d8
Concen: 52.498 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012381.D
Acq: 13 Sep 2019 12:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.9	54.1	81.1



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





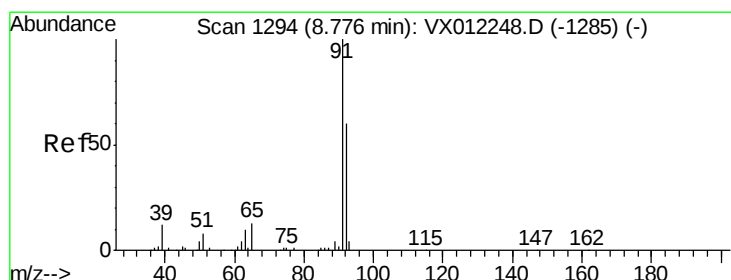
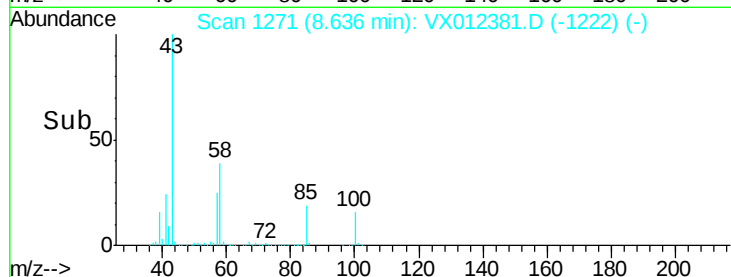
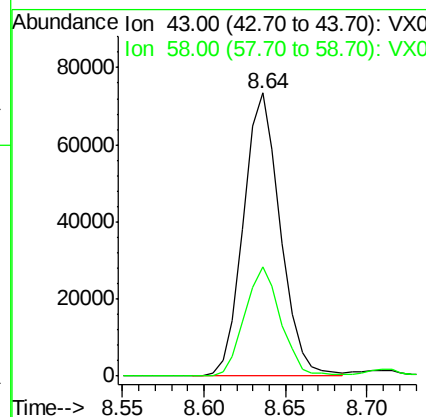
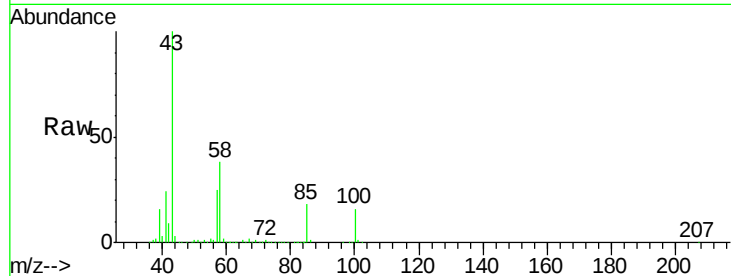
#51
 4-Methyl-2-Pentanone
 Concen: 94.221 ug/l
 RT: 8.64 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VX012381.D
 Acq: 13 Sep 2019 12:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913SBS03

Tot Ion	43	Resp	115605
Ion Ratio	43	100	
Lower	58	37.6	30.1
Upper			45.1

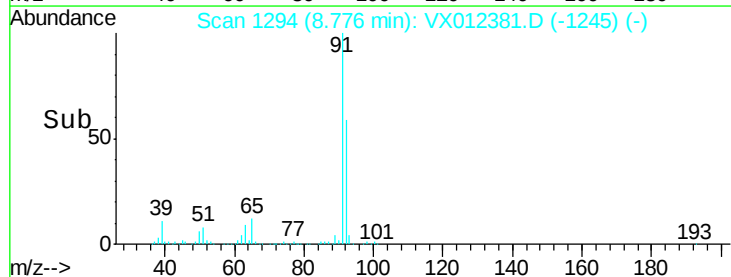
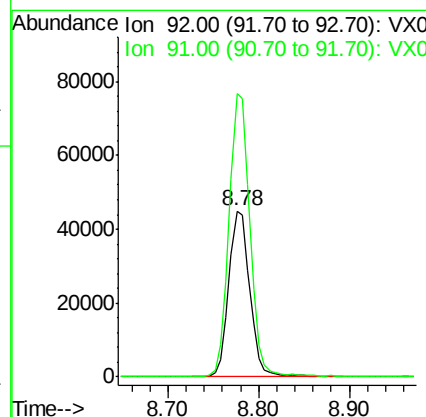
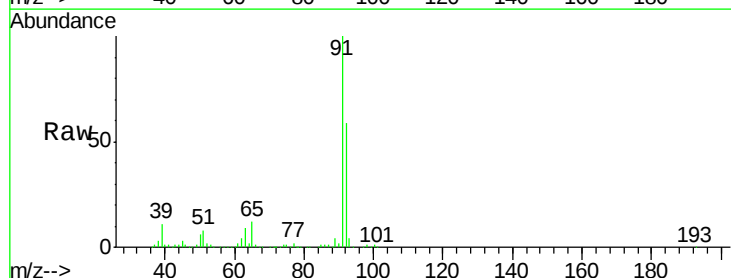
Manual Integrations
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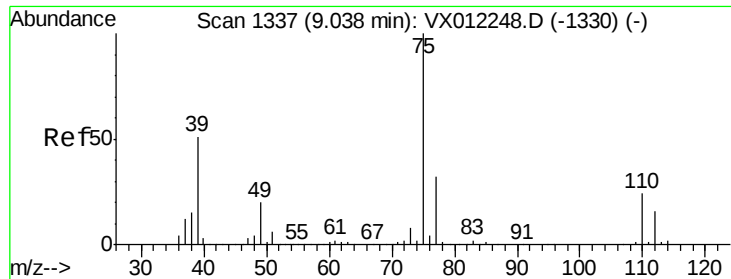
MMDadoda
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#52
 Toluene
 Concen: 20.548 ug/l
 RT: 8.78 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX012381.D
 Acq: 13 Sep 2019 12:38

Tgt Ion	92	Resp	73274
Ion Ratio	92	100	
Lower	91	168.8	133.6
Upper			200.4





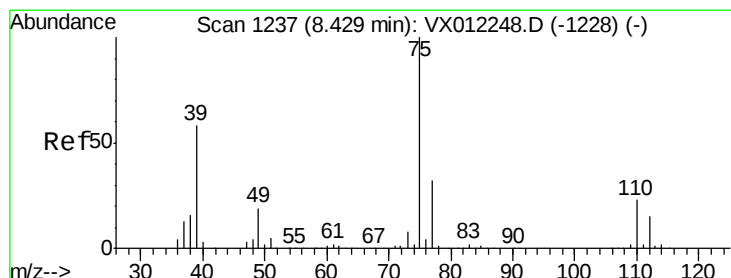
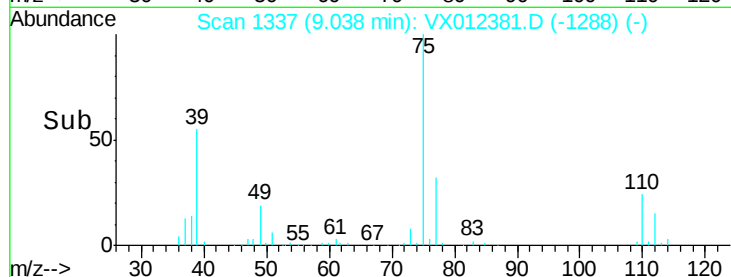
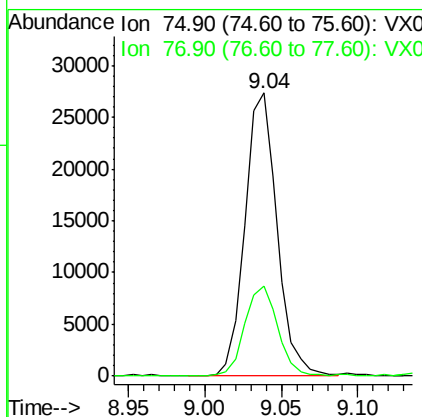
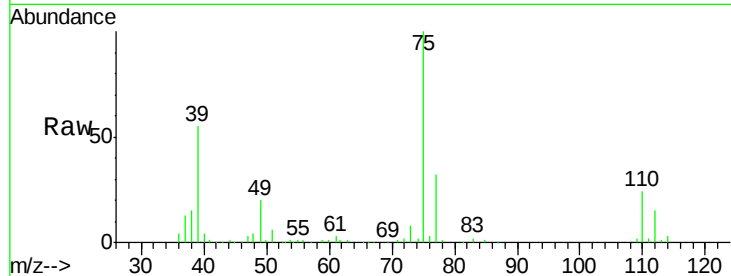
#53
t-1,3-Dichloropropene
Concen: 17.915 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX012381.D
Acq: 13 Sep 2019 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS03

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.8	38.6

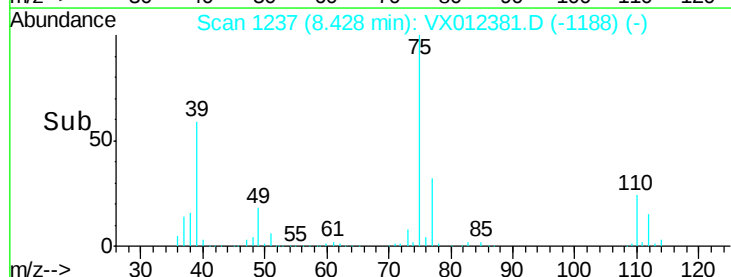
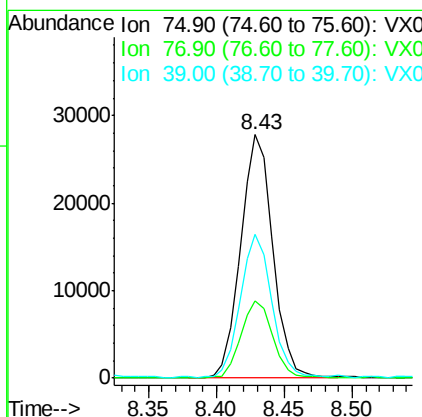
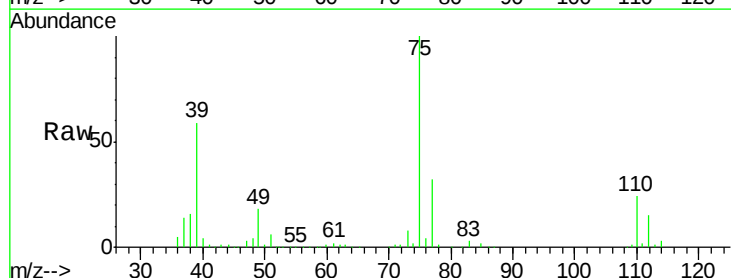
Manual Integrations
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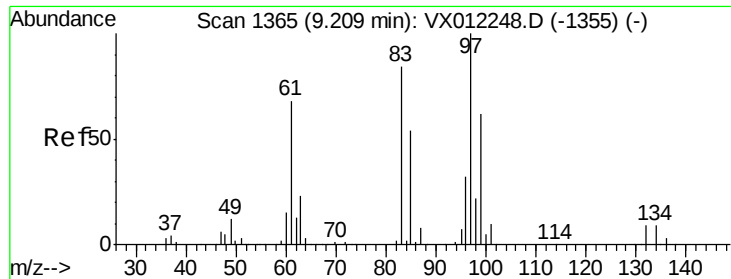
MMDadoda
9/16/2019 1:13:23 AM



#54
cis-1,3-Dichloropropene
Concen: 18.649 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX012381.D
Acq: 13 Sep 2019 12:38

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.4	38.2
39	58.3	46.5	69.7





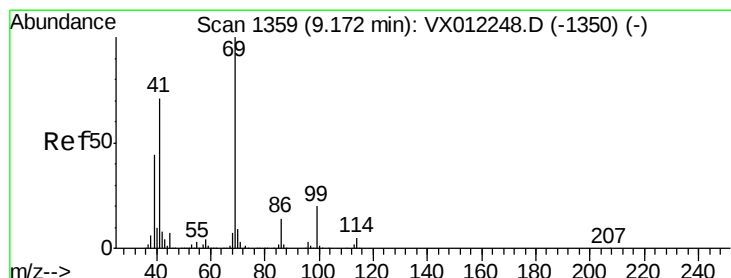
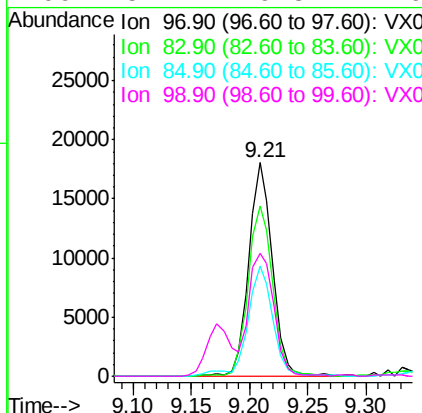
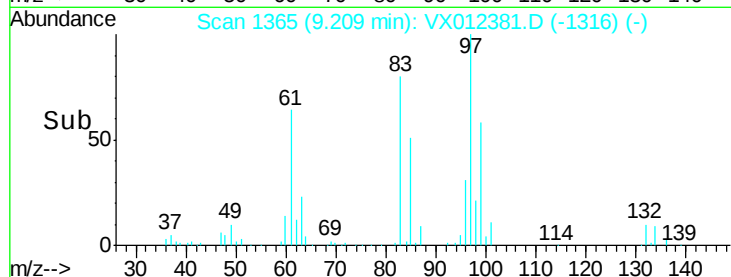
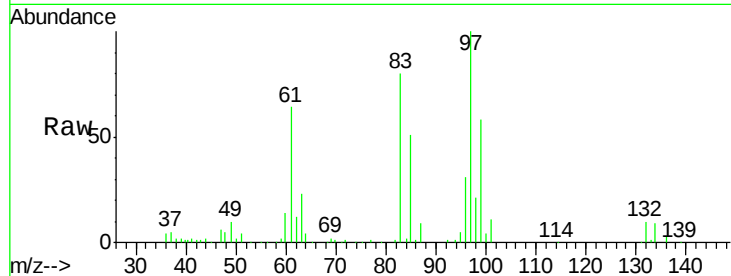
#55
1,1,2-Trichloroethane
Concen: 20.213 ug/l
RT: 9.21 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VX012381.D
Acq: 13 Sep 2019 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		25576		
83	79.8	67.4	101.2		
85	51.4	43.4	65.2		
99	57.2	49.8	74.6		

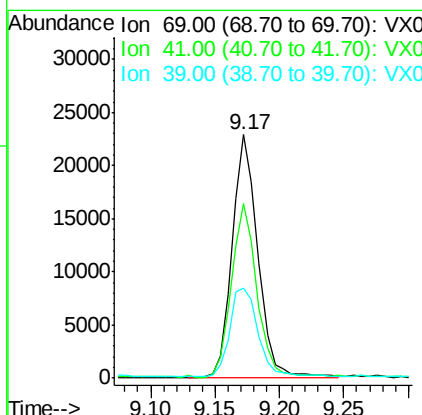
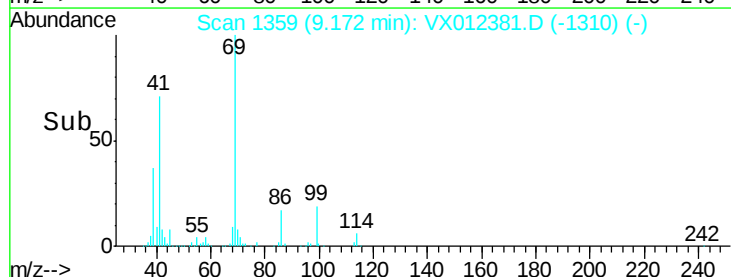
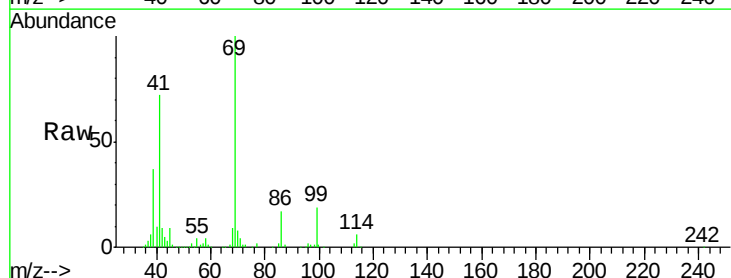
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#56
Ethyl methacrylate
Concen: 18.743 ug/l
RT: 9.17 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VX012381.D
Acq: 13 Sep 2019 12:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		32111		
41	72.1	57.7	86.5		
39	40.3	34.0	51.0		





#57

1,3-Dichloropropane

Concen: 19.689 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX012381.D

Acq: 13 Sep 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

VX0913SBS03

Tot Ion: 76 Resp: 42550

Ion Ratio Lower Upper

76 100

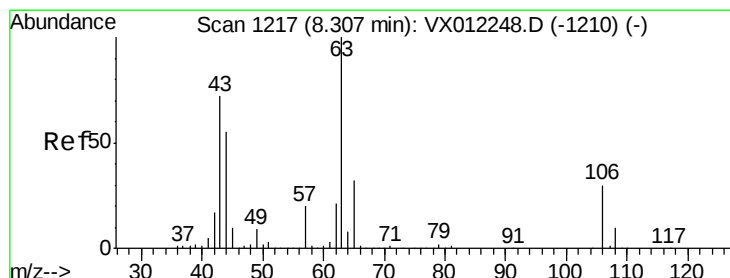
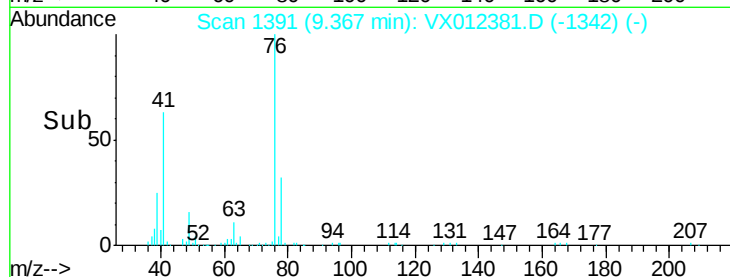
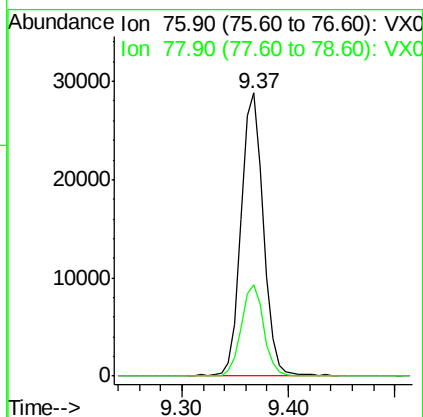
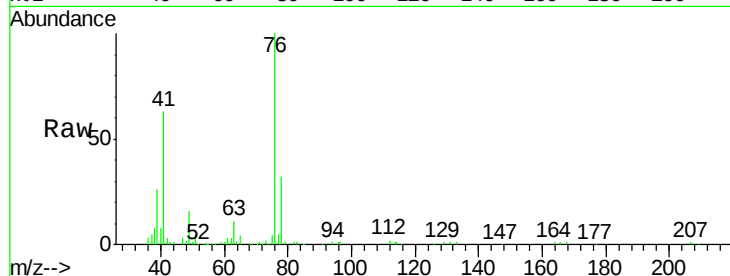
78 32.3 26.0 39.0

Manual Integrations

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MMDadoda

9/16/2019 1:13:23 AM



#58

2-Chloroethyl Vinyl ether

Concen: 88.897 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX012381.D

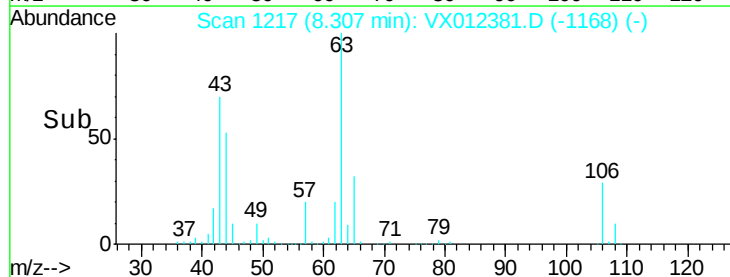
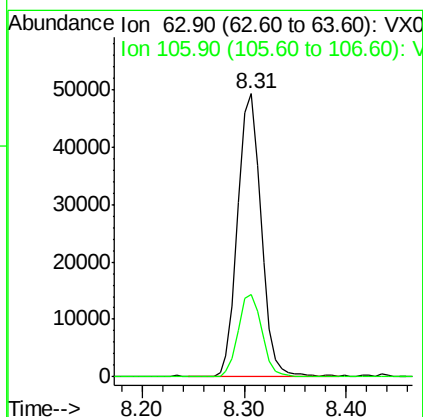
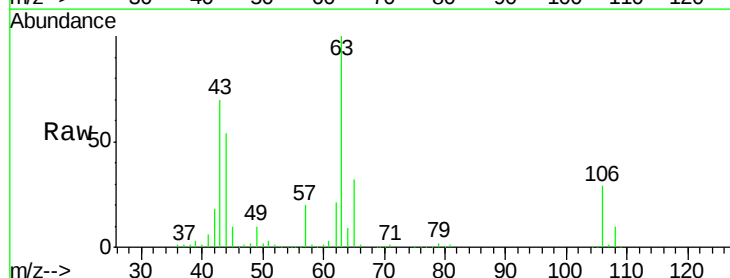
Acq: 13 Sep 2019 12:38

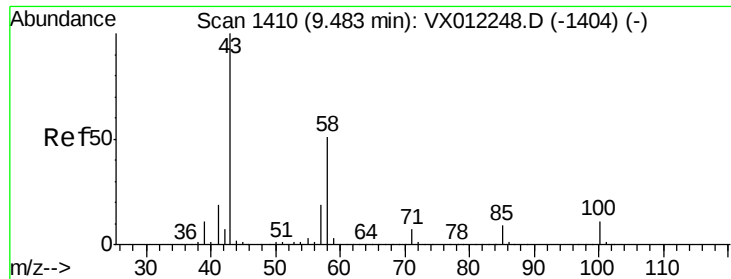
Tgt Ion: 63 Resp: 78058

Ion Ratio Lower Upper

63 100

106 30.0 23.4 35.2





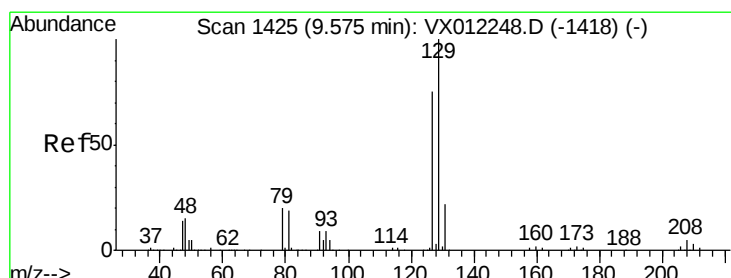
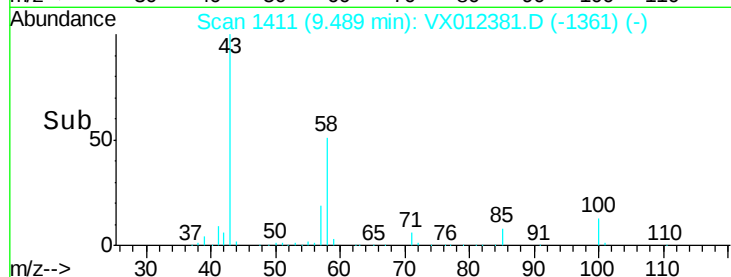
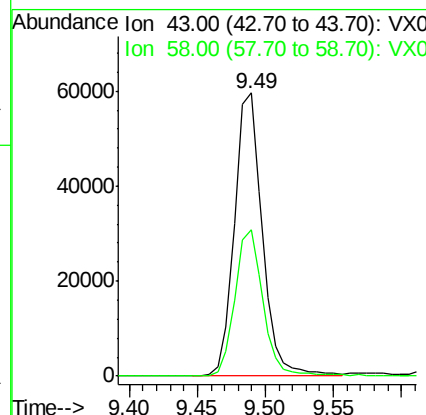
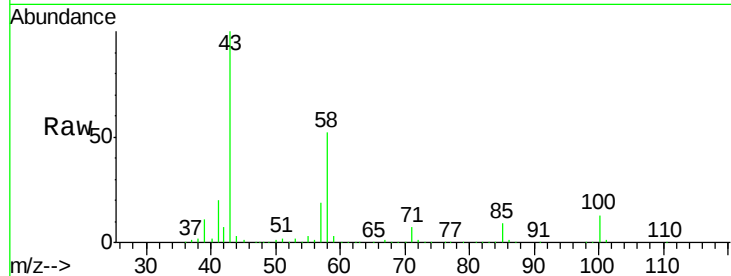
#59
2-Hexanone
Concen: 99.992 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX012381.D
Acq: 13 Sep 2019 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS03

Tot Ion: 43 Resp: 85305
Ion Ratio Lower Upper
43 100
58 51.8 25.8 77.3

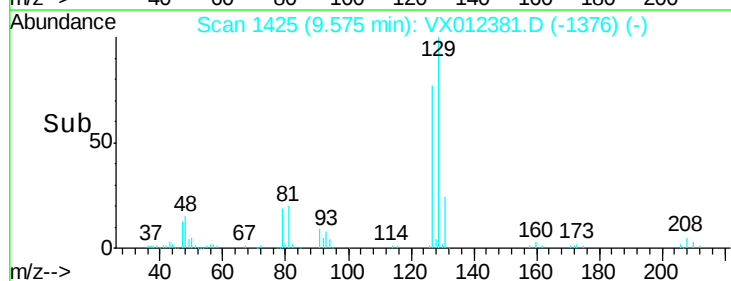
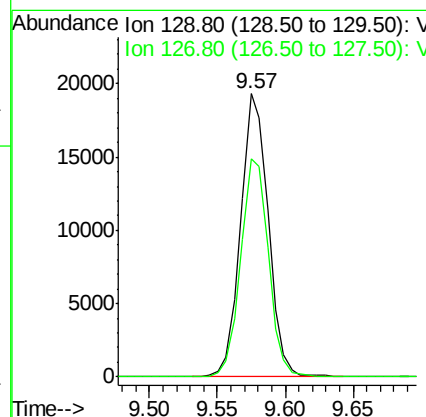
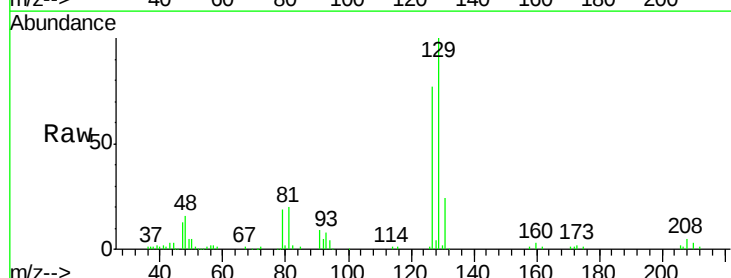
Manual Integrations
APPROVED

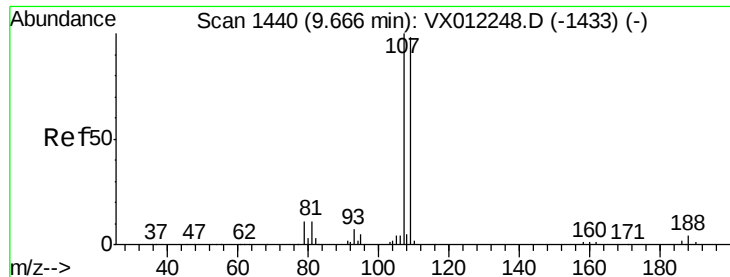
MMDadoda
9/16/2019 1:13:23 AM



#60
Dibromochloromethane
Concen: 18.500 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX012381.D
Acq: 13 Sep 2019 12:38

Tgt Ion: 129 Resp: 27327
Ion Ratio Lower Upper
129 100
127 77.6 38.1 114.3





#61

1,2-Dibromoethane

Concen: 19.335 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012381.D

Acq: 13 Sep 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

VX0913SBS03

Tot Ion:107 Resp: 22773

Ion Ratio Lower Upper

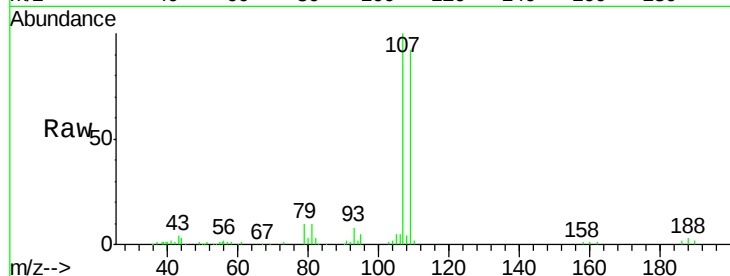
107 100

109 95.0 76.3 114.5

Manual Integrations
APPROVED

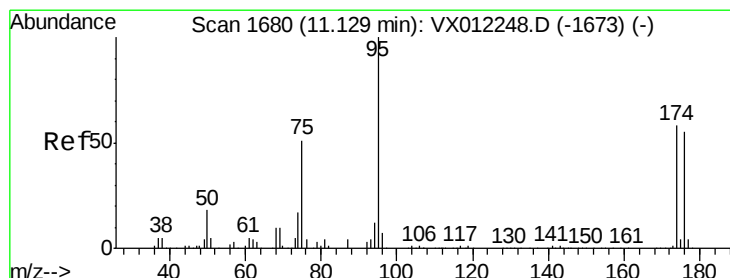
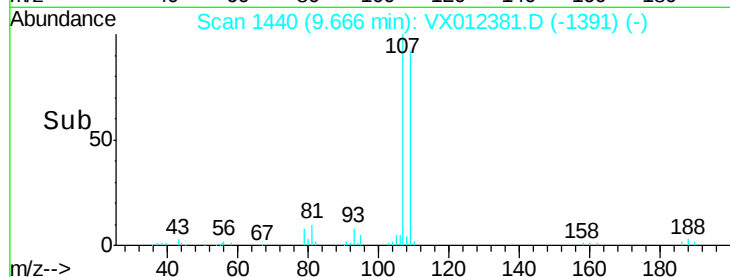
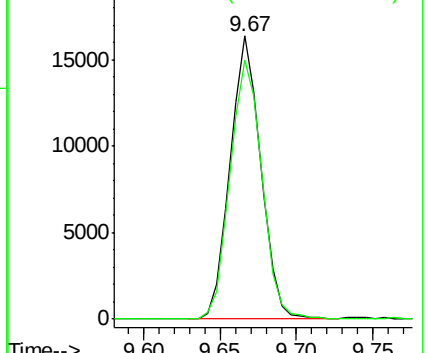
MMDadoda

9/16/2019 1:13:23 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.363 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012381.D

Acq: 13 Sep 2019 12:38

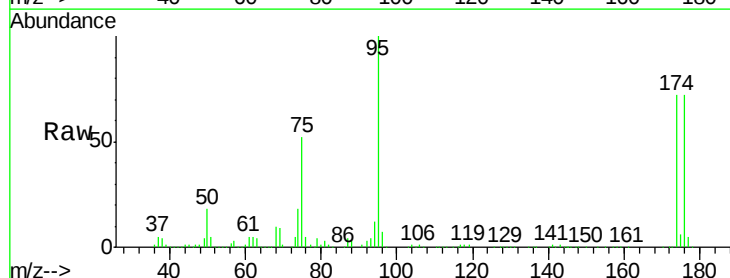
Tgt Ion: 95 Resp: 118223

Ion Ratio Lower Upper

95 100

174 70.5 0.0 127.0

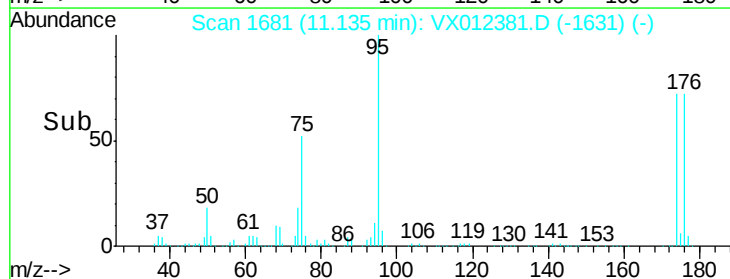
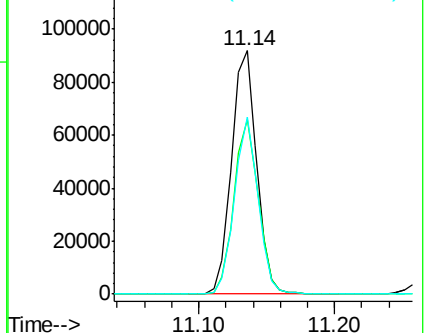
176 68.4 0.0 125.8

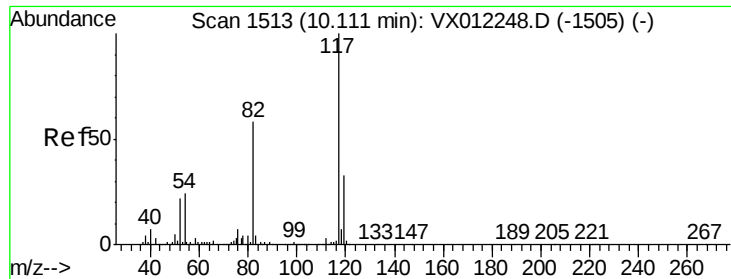


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





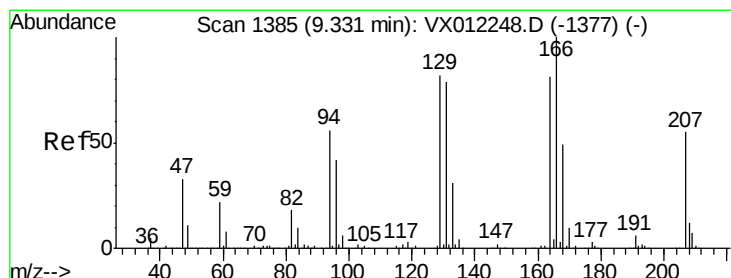
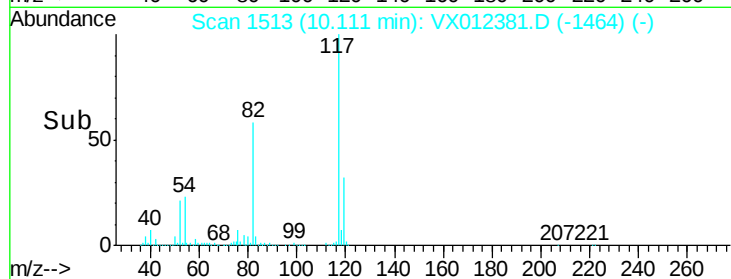
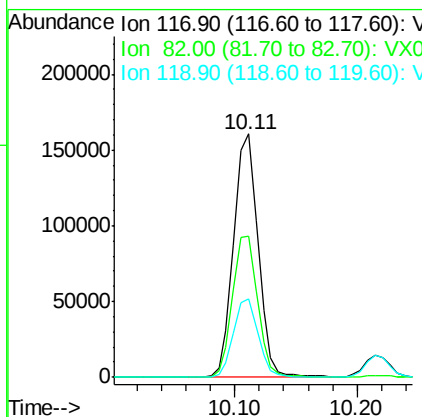
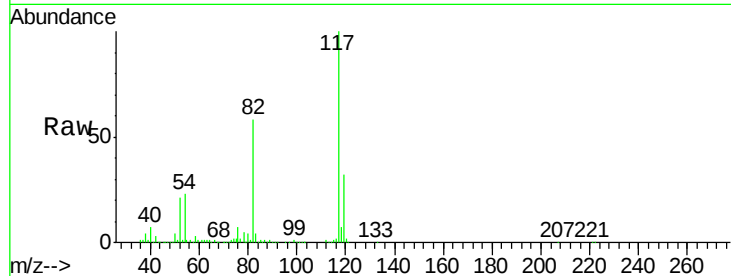
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012381.D
Acq: 13 Sep 2019 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS03

Tot Ion	Ratio	Resp	Lower	Upper
117	100	222579		
82	57.9	46.4	69.6	
119	32.0	26.6	39.8	

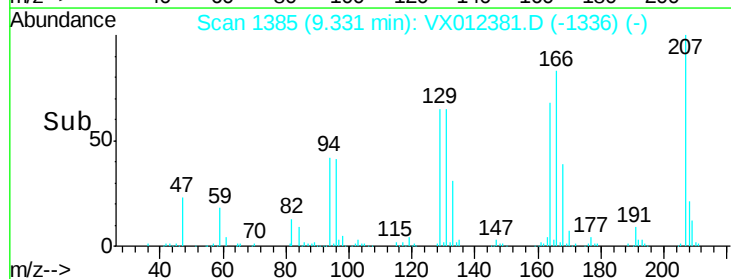
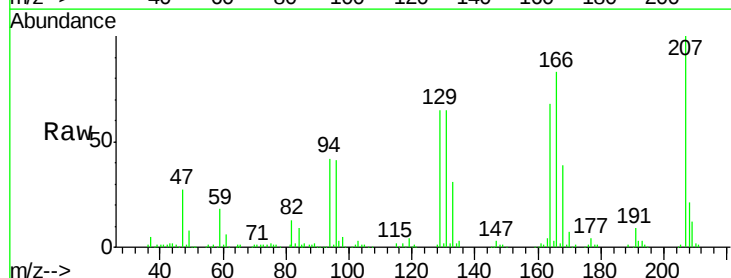
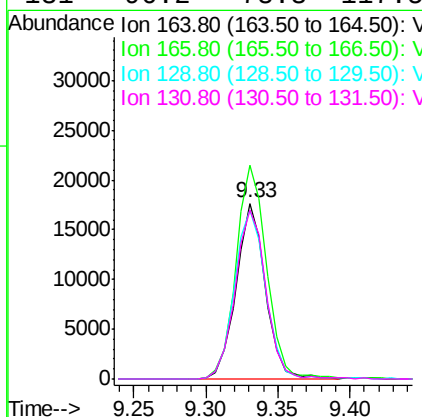
Manual Integrations
APPROVED

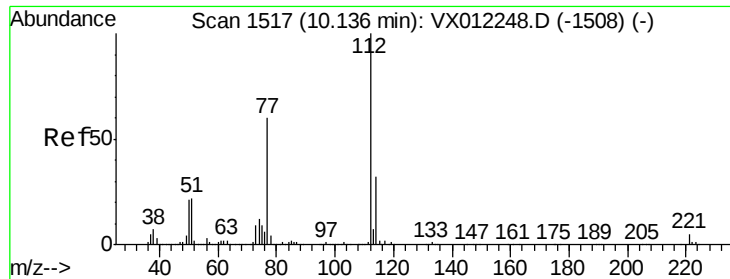
MMDadoda
9/16/2019 1:13:23 AM



#64
Tetrachloroethene
Concen: 21.220 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012381.D
Acq: 13 Sep 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	24979		
166	121.6	99.4	149.0	
129	96.1	81.8	122.8	
131	96.2	78.3	117.5	





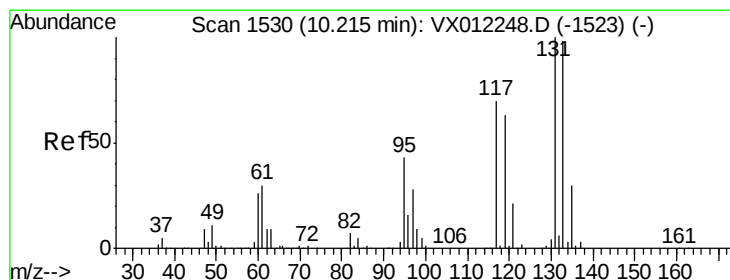
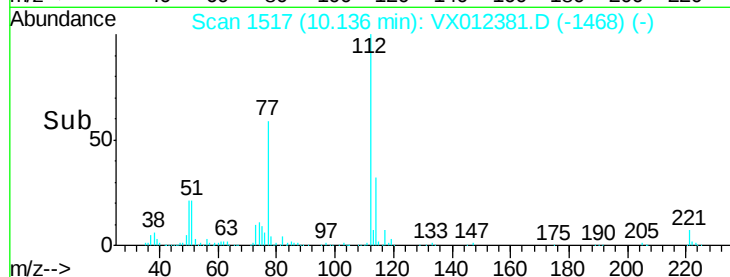
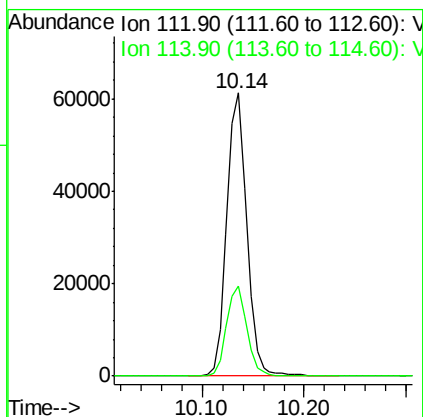
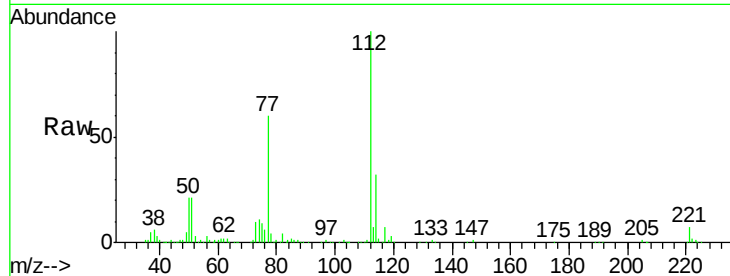
#65
Chlorobenzene
Concen: 20.471 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012381.D
Acq: 13 Sep 2019 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS03

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.4	38.0

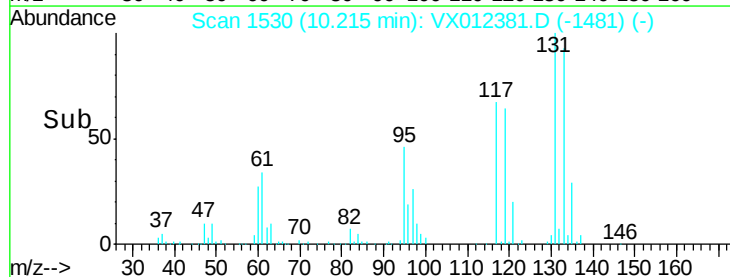
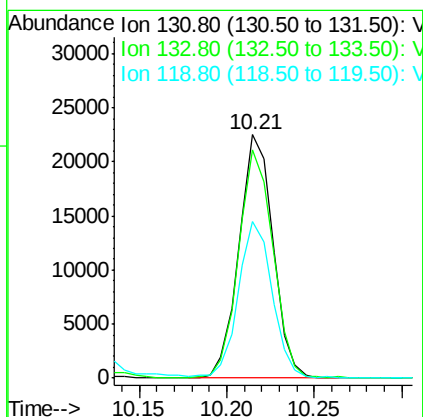
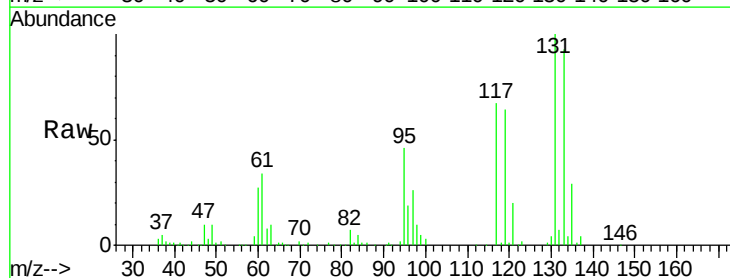
Manual Integrations
APPROVED

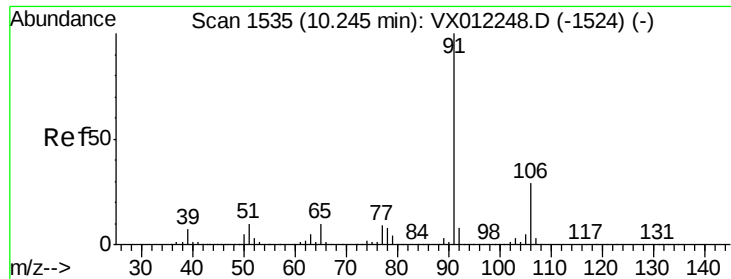
MMDadoda
9/16/2019 1:13:23 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.934 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX012381.D
Acq: 13 Sep 2019 12:38

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.1	48.0	144.2
119	64.8	31.6	95.0





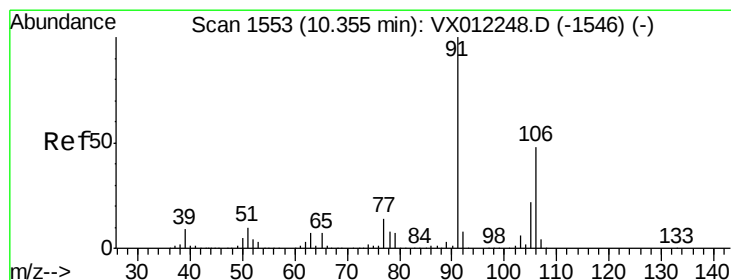
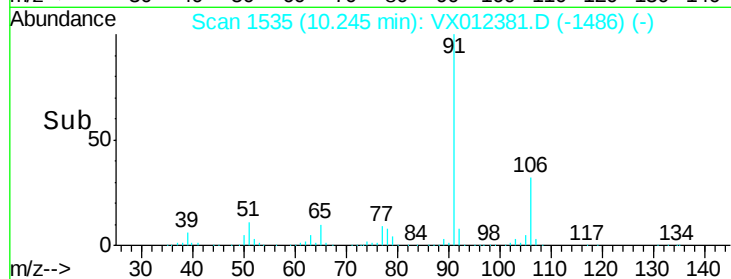
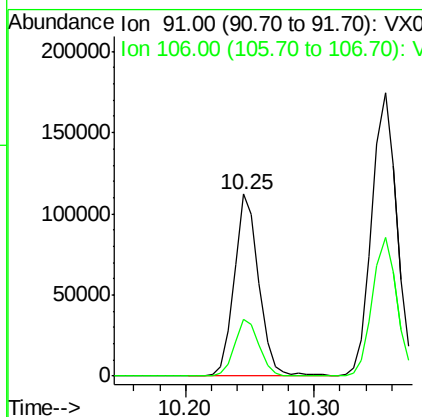
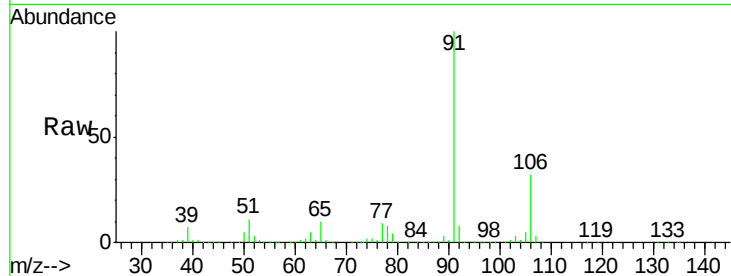
#67
Ethyl Benzene
Concen: 20.650 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012381.D
Acq: 13 Sep 2019 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS03

Tot Ion: 91 Resp: 149370
Ion Ratio Lower Upper
91 100
106 31.6 23.1 34.7

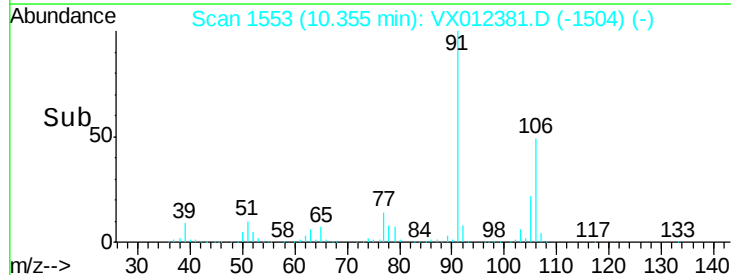
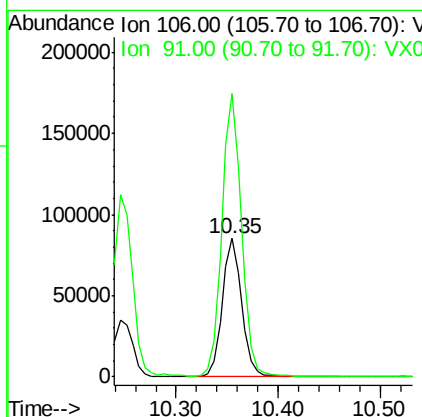
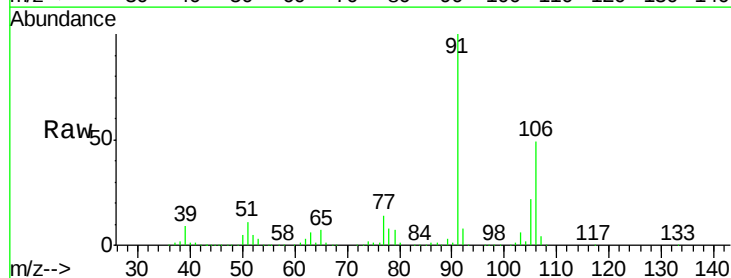
Manual Integrations
APPROVED

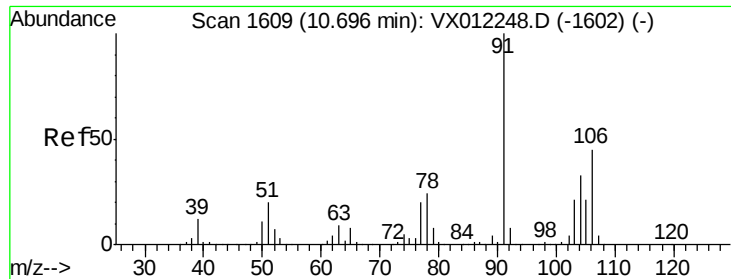
MMDadoda
9/16/2019 1:13:23 AM



#68
m/p-Xylenes
Concen: 42.699 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012381.D
Acq: 13 Sep 2019 12:38

Tgt Ion: 106 Resp: 113693
Ion Ratio Lower Upper
106 100
91 206.7 167.0 250.6





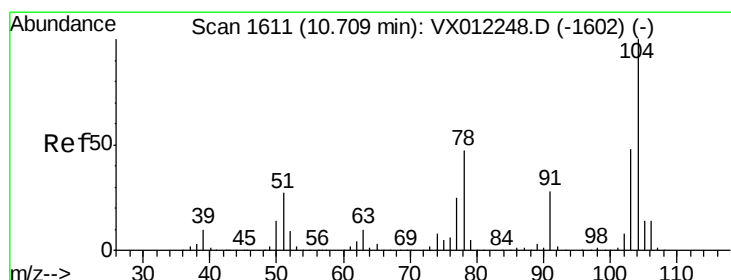
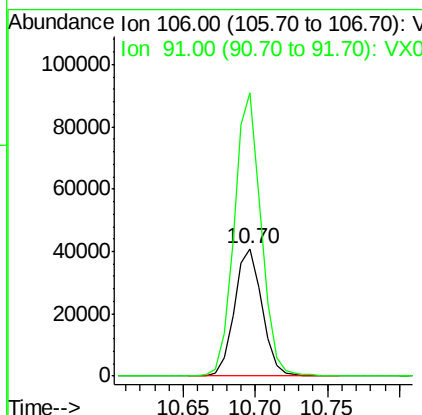
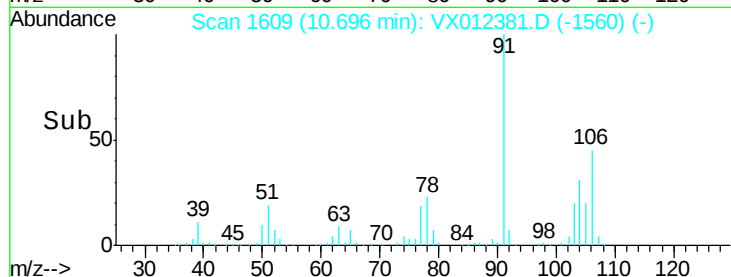
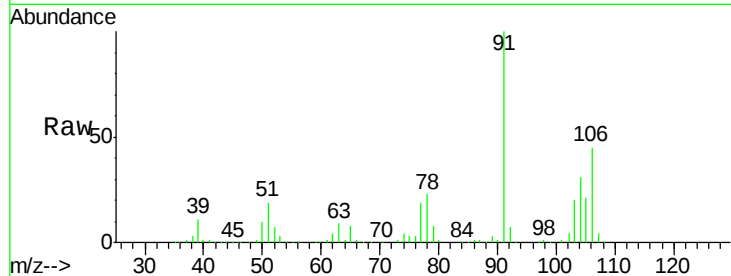
#69
o-Xylene
Concen: 21.099 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012381.D
Acq: 13 Sep 2019 12:38

Instrument :
MSVOA_X
ClientSampled :
VX0913SBS03

Tot Ion:106 Resp: 55034
Ion Ratio Lower Upper
106 100
91 215.5 110.5 331.4

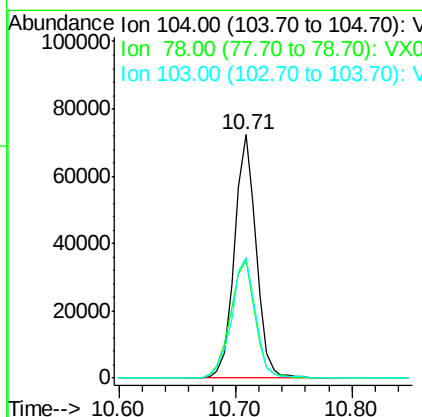
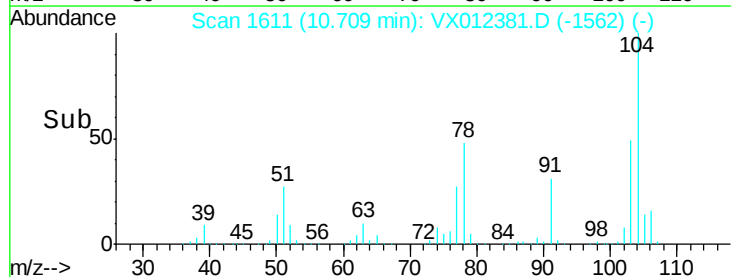
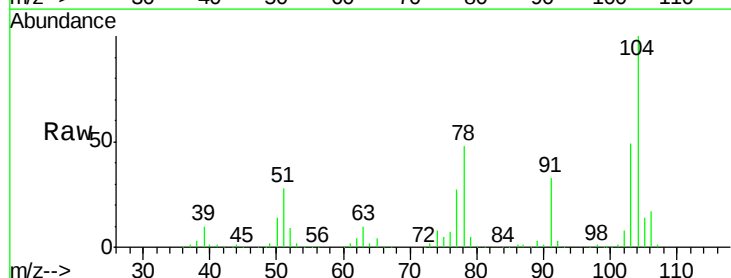
Manual Integrations
APPROVED

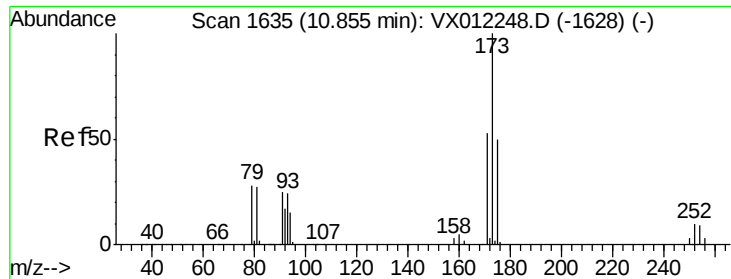
MMDadoda
9/16/2019 1:13:23 AM



#70
Styrene
Concen: 20.384 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012381.D
Acq: 13 Sep 2019 12:38

Tgt Ion:104 Resp: 94295
Ion Ratio Lower Upper
104 100
78 55.1 44.2 66.2
103 54.6 42.5 63.7





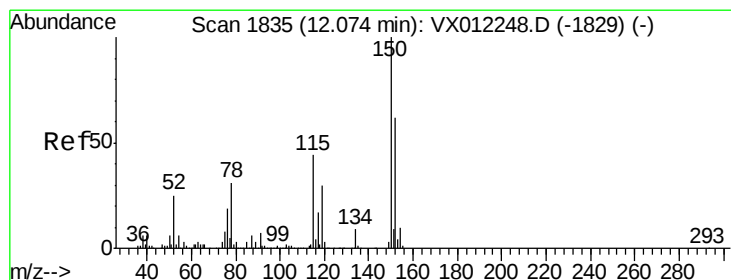
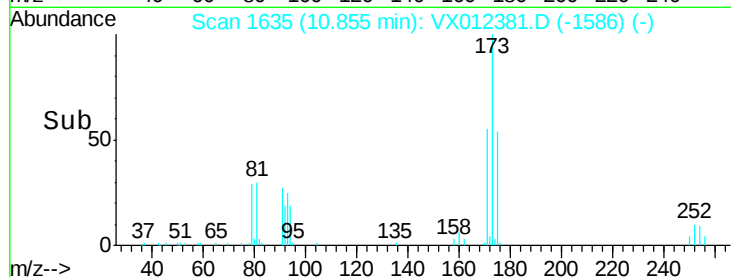
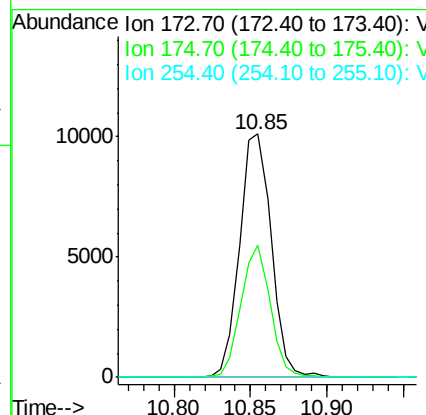
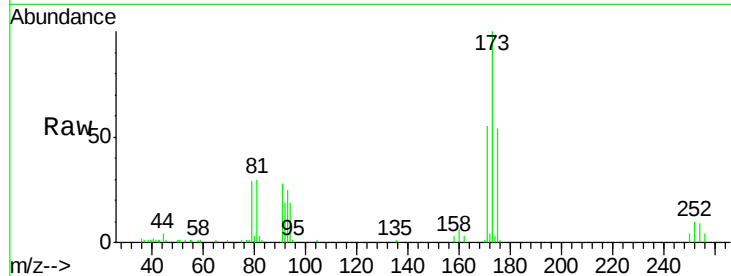
#71
Bromoform
Concen: 18.257 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VX012381.D
Acq: 13 Sep 2019 12:38

Instrument :
MSVOA_X
ClientSampled :
VX0913SBS03

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.3	24.5	73.5
254	0.0	0.2	0.4

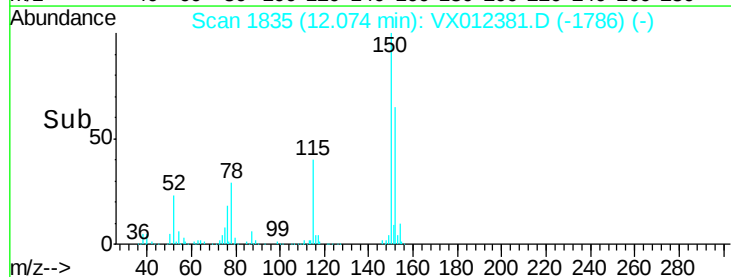
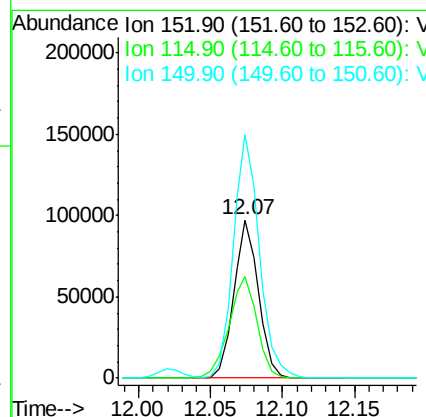
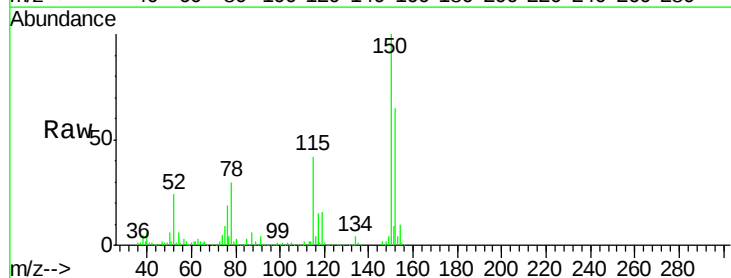
Manual Integrations
APPROVED

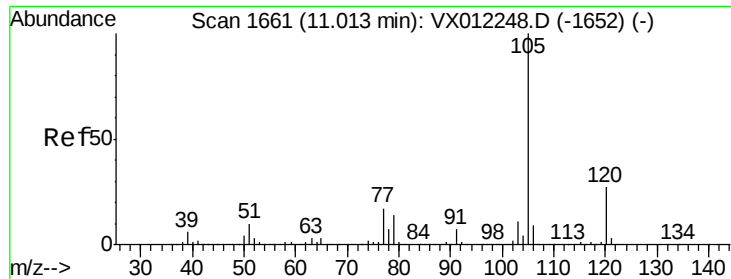
MMDadoda
9/16/2019 1:13:23 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012381.D
Acq: 13 Sep 2019 12:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	73.5	45.5	136.4
150	163.5	0.0	346.4





#73

Isopropylbenzene

Concen: 19.795 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012381.D

Acq: 13 Sep 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

VX0913SBS03

Tot Ion:105 Resp: 151175

Ion Ratio Lower Upper

105 100

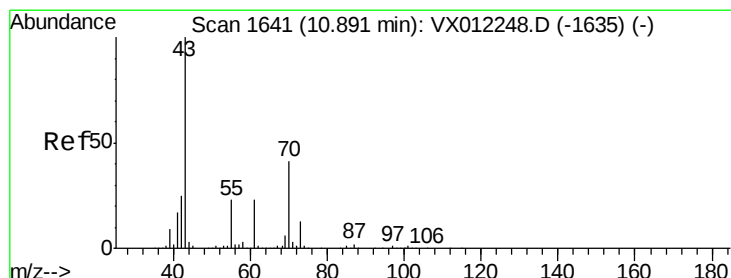
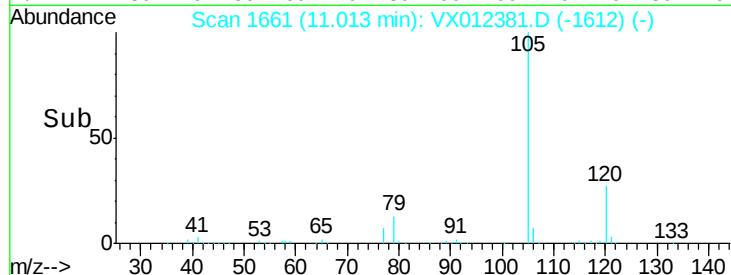
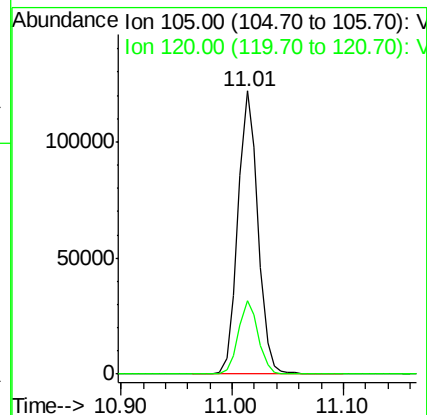
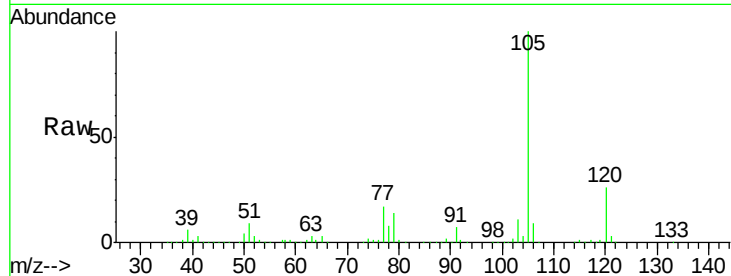
120 26.0 13.2 39.5

Manual Integrations

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MMDadoda

9/16/2019 1:13:23 AM



#74

N-ethyl acetate

Concen: 17.649 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012381.D

Acq: 13 Sep 2019 12:38

Tgt Ion: 43 Resp: 40076

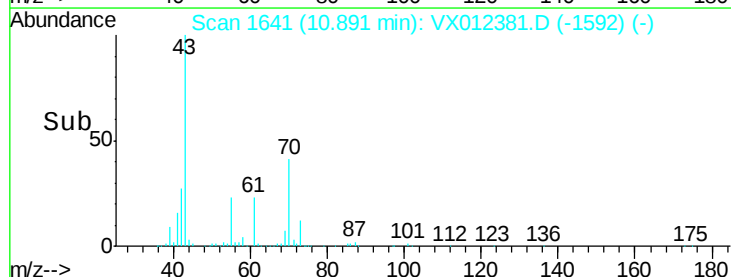
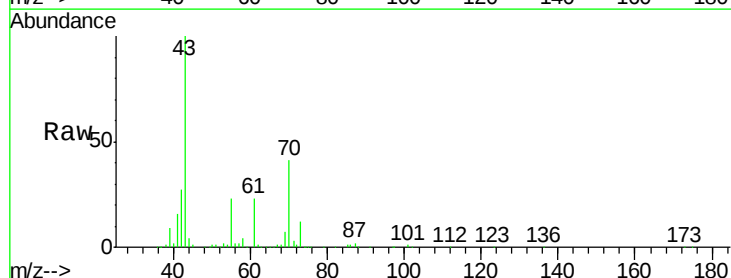
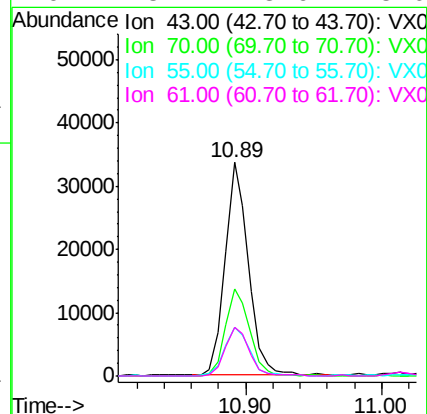
Ion Ratio Lower Upper

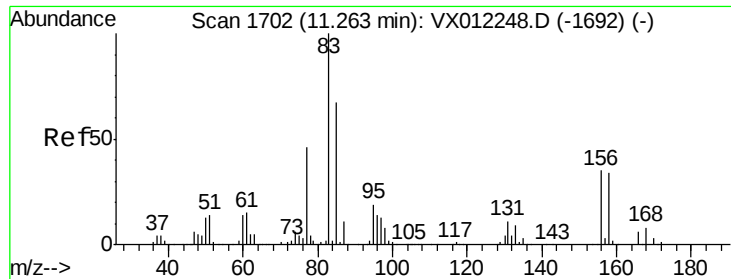
43 100

70 43.0 32.9 49.3

55 24.6 19.1 28.7

61 23.7 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.818 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012381.D

Acq: 13 Sep 2019 12:38

Instrument :

MSVOA_X

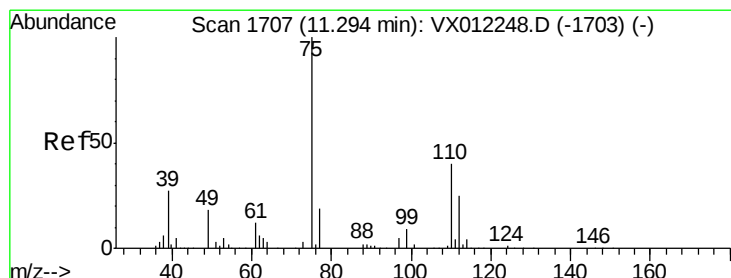
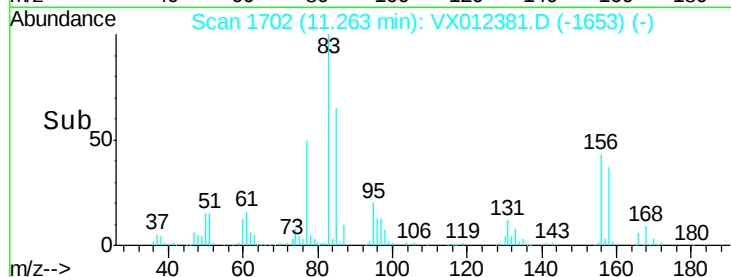
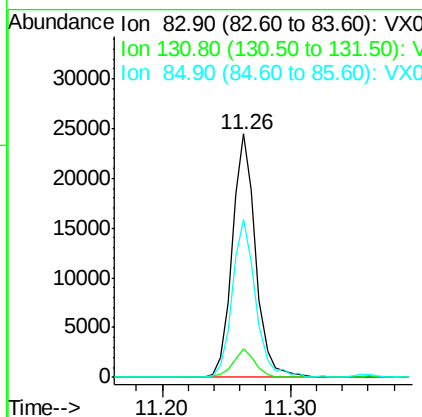
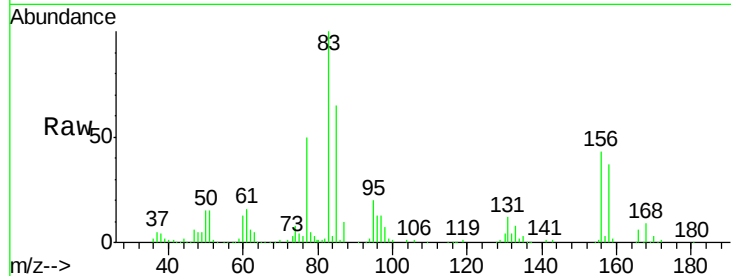
ClientSampleId :

VX0913SBS03

Tot Ion:	83	Resp:	30864
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.5	16.4
85	65.1	32.8	98.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.721 ug/l m

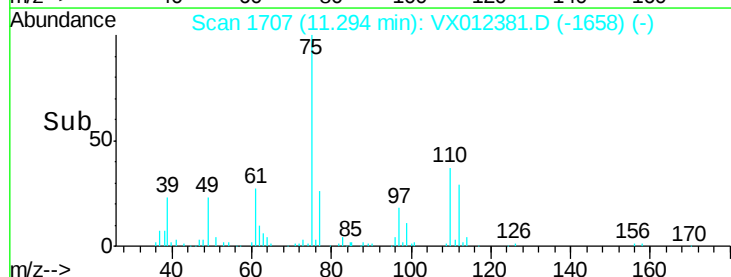
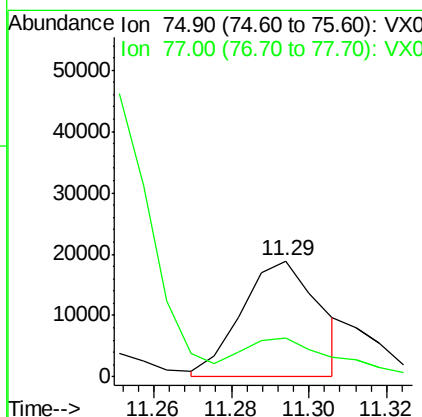
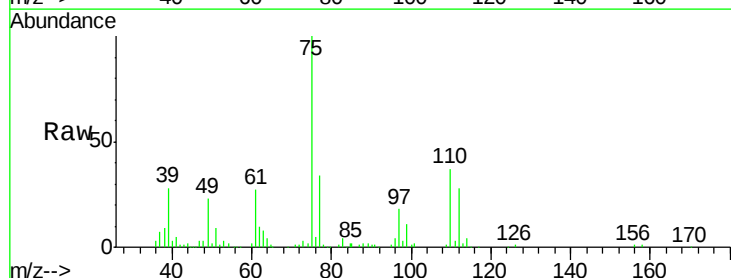
RT: 11.29 min Scan# 1707

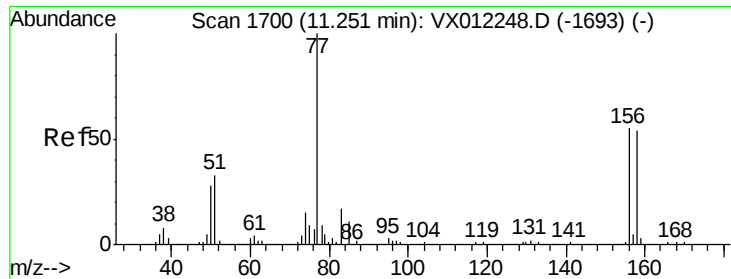
Delta R.T. -0.00 min

Lab File: VX012381.D

Acq: 13 Sep 2019 12:38

Tgt Ion:	75	Resp:	26409
Ion Ratio	Lower	Upper	
75	100		
77	40.3	19.7	59.0





#77

Bromobenzene

Concen: 20.529 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012381.D

Acq: 13 Sep 2019 12:38

Instrument :

MSVOA_X

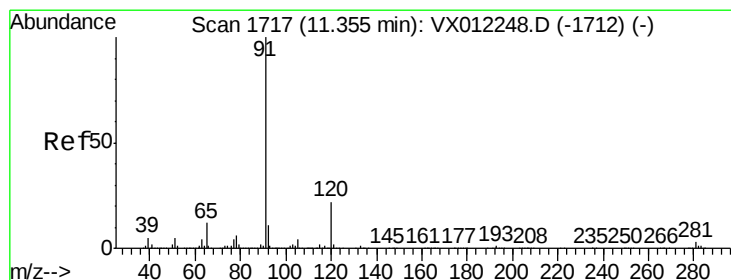
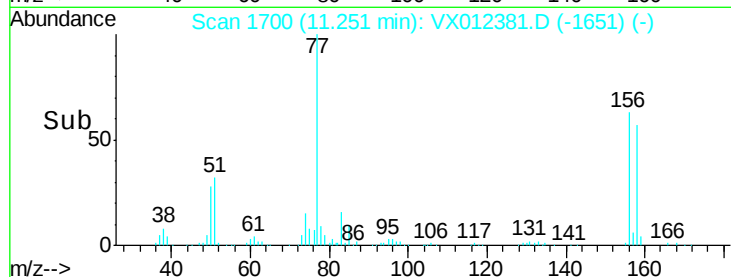
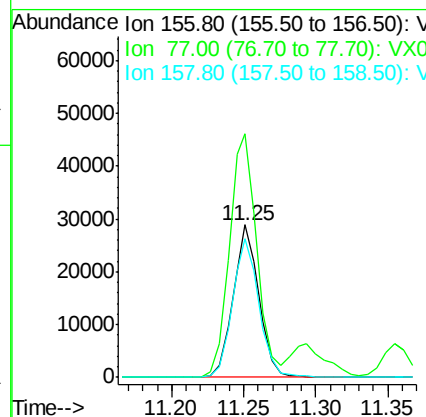
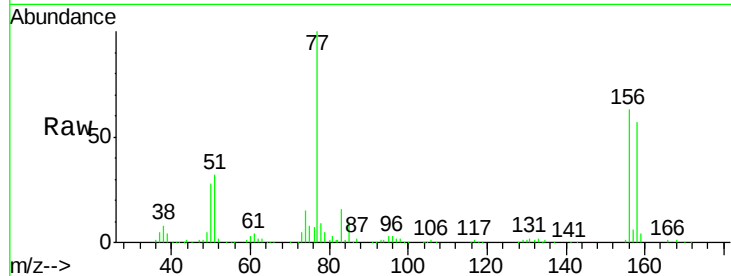
ClientSampleId :

VX0913SBS03

Tot Ion:	156	Resp:	36096
Ion	Ratio	Lower	Upper
156	100		
77	170.3	92.2	276.6
158	93.8	48.8	146.3

Manual Integrations
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#78

n-propylbenzene

Concen: 19.688 ug/l

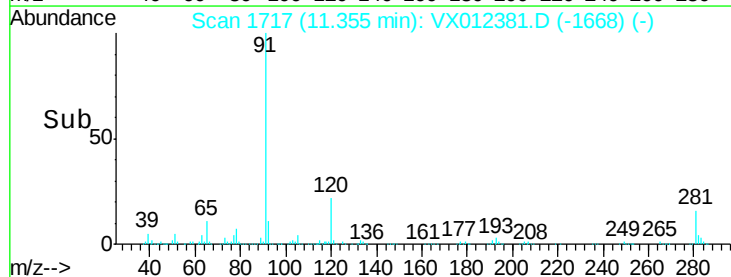
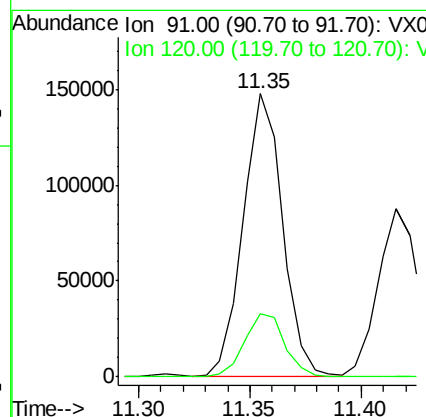
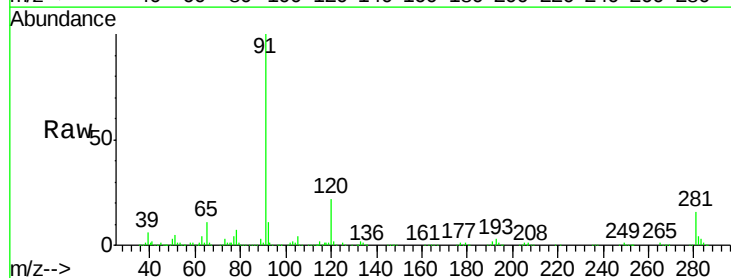
RT: 11.35 min Scan# 1717

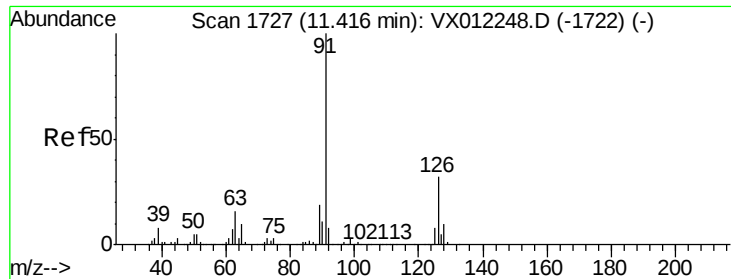
Delta R.T. -0.00 min

Lab File: VX012381.D

Acq: 13 Sep 2019 12:38

Tgt Ion:	91	Resp:	181567
Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.2	33.6





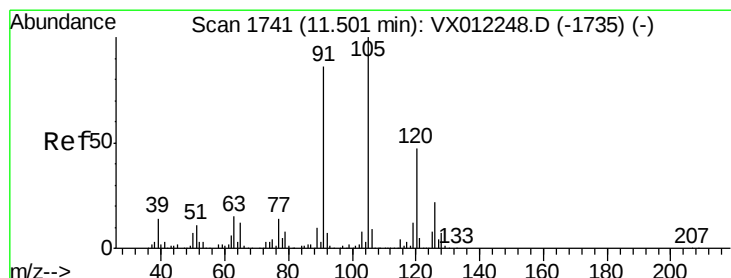
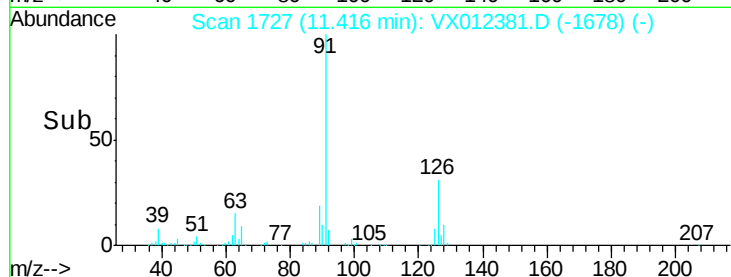
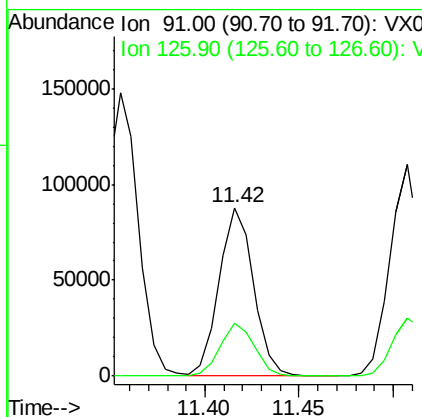
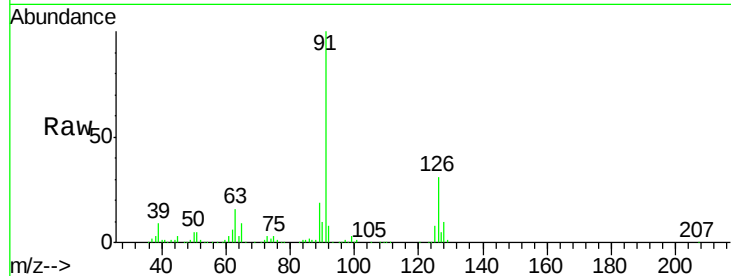
#79
 2-Chlorotoluene
 Concen: 19.321 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: VX012381.D
 Acq: 13 Sep 2019 12:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913SBS03

Tot Ion: 91 Resp: 110397
 Ion Ratio Lower Upper
 91 100
 126 31.7 15.9 47.7

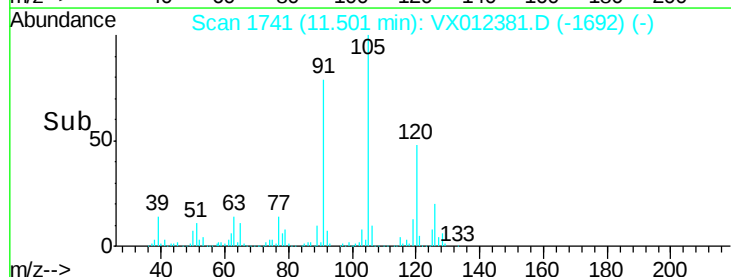
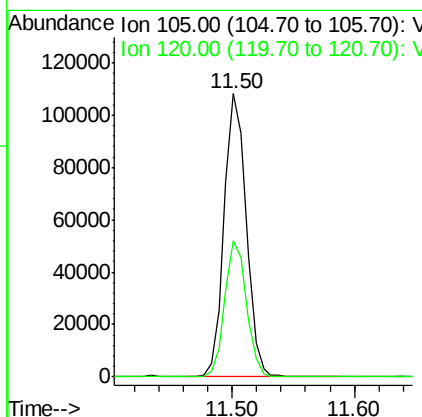
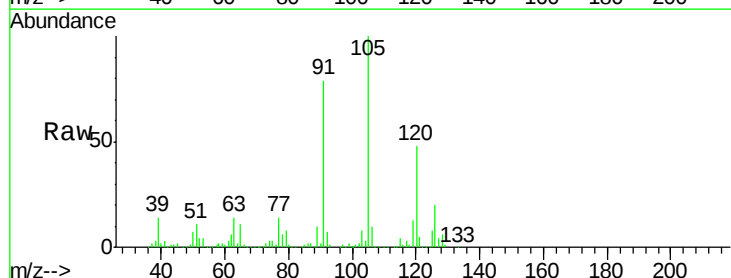
Manual Integrations
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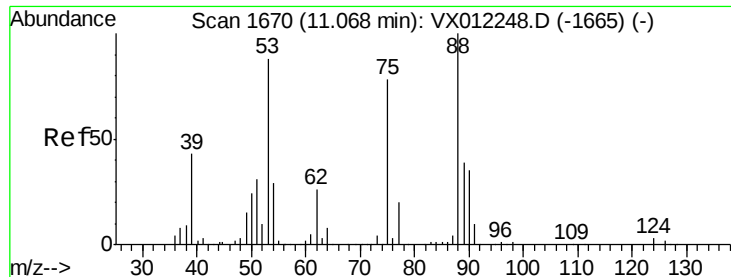
MMDadoda
 9/16/2019 1:13:23 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.649 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX012381.D
 Acq: 13 Sep 2019 12:38

Tgt Ion: 105 Resp: 134949
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 16.651 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX012381.D

Acq: 13 Sep 2019 12:38

Instrument :

MSVOA_X

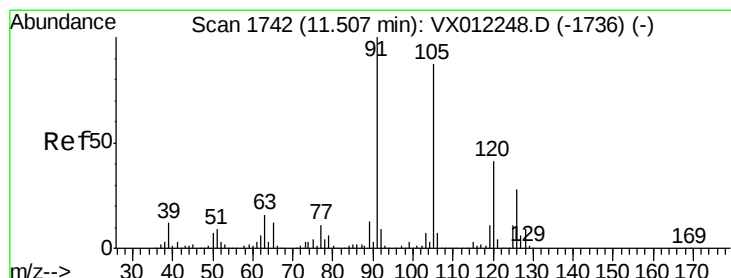
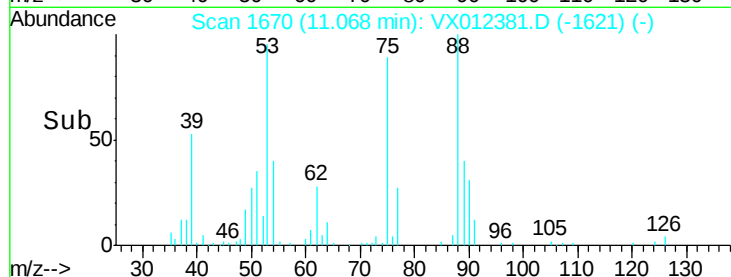
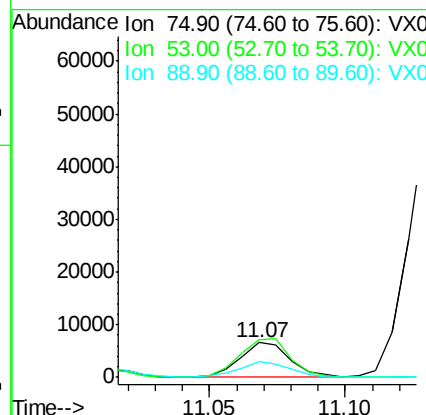
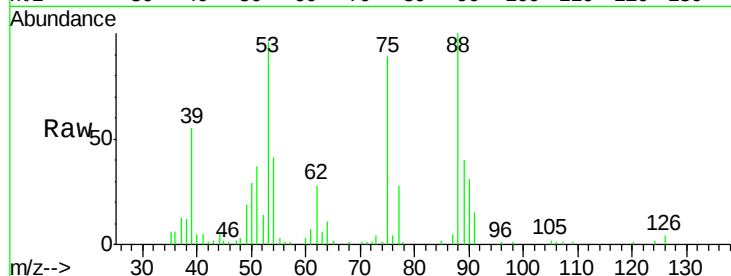
ClientSampleId :

VX0913SBS03

Tot Ion:	75	Resp:	8282
Ion	Ratio	Lower	Upper
75	100		
53	114.5	88.1	132.1
89	47.5	43.5	65.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.582 ug/l

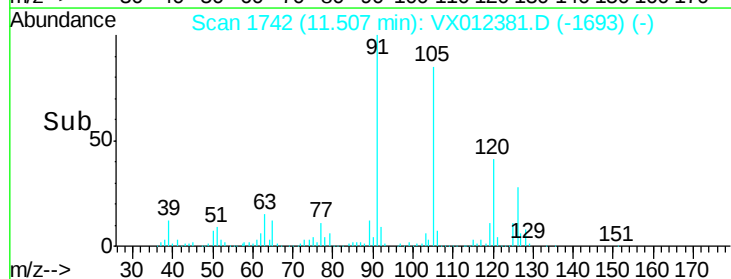
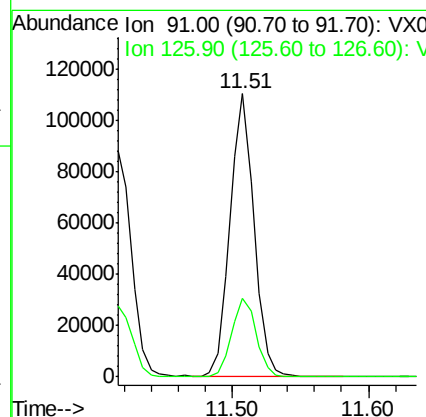
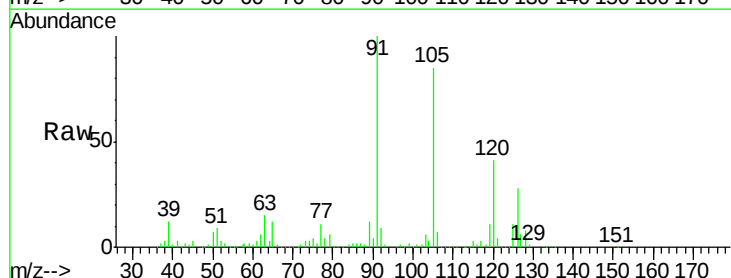
RT: 11.51 min Scan# 1742

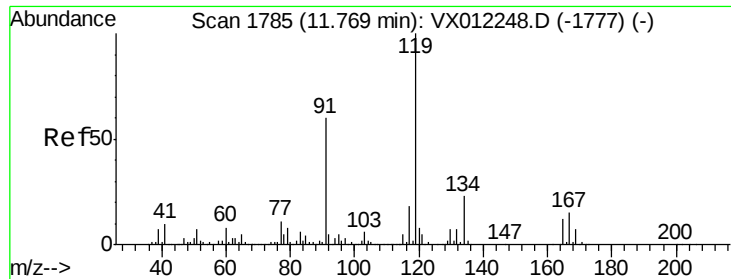
Delta R.T. -0.00 min

Lab File: VX012381.D

Acq: 13 Sep 2019 12:38

Tgt Ion:	91	Resp:	134464
Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.0	42.0





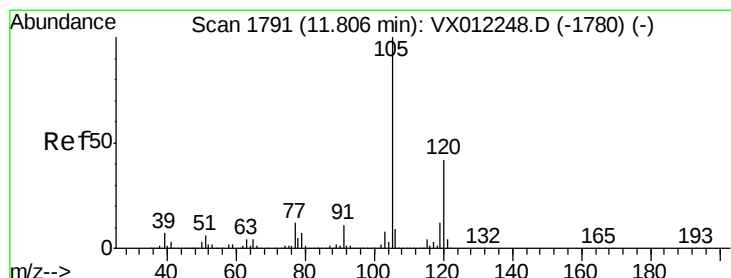
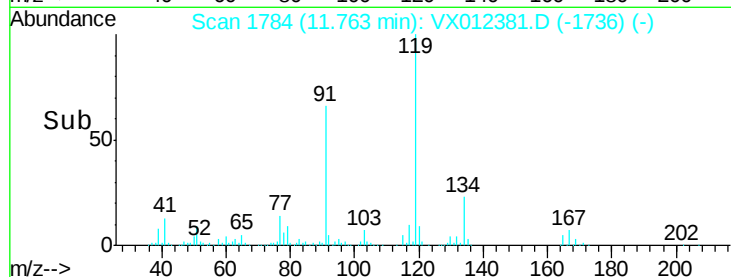
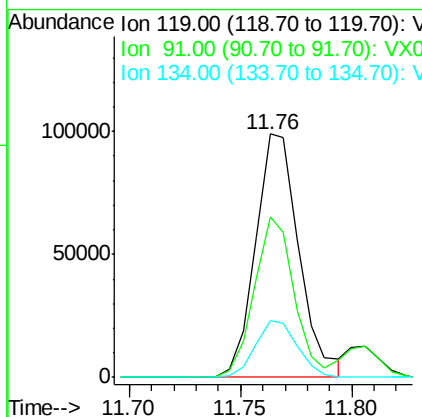
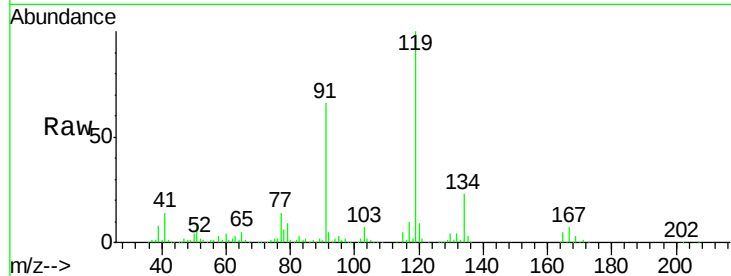
#83
tert-Butylbenzene
Concen: 20.202 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX012381.D
Acq: 13 Sep 2019 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS03

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.5	30.9	92.8
134	22.6	11.2	33.6

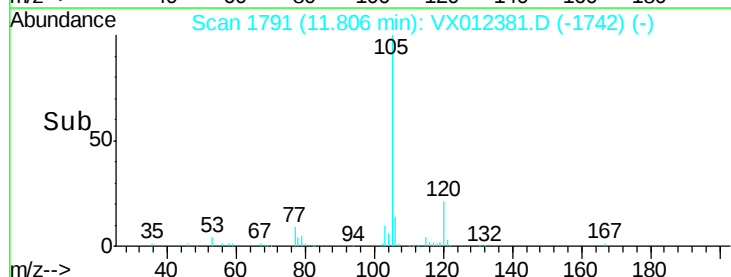
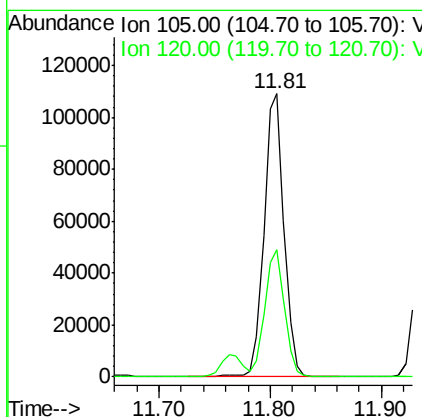
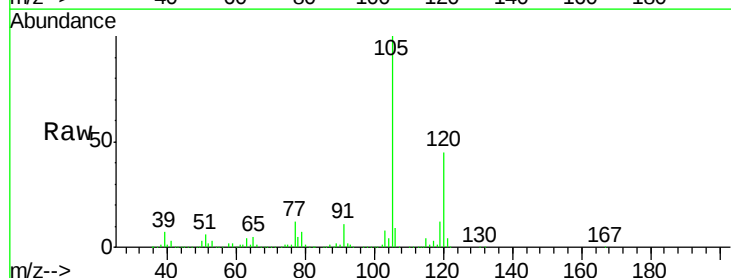
Manual Integrations
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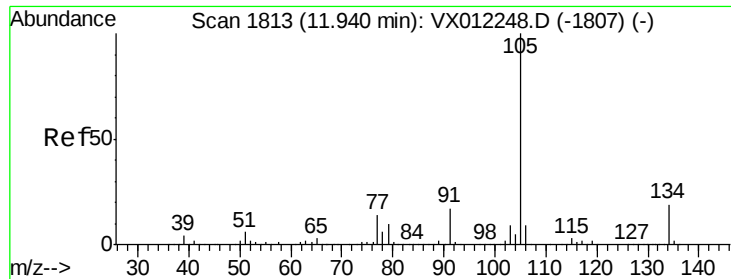
MMDadoda
9/16/2019 1:13:23 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.350 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. -0.00 min
Lab File: VX012381.D
Acq: 13 Sep 2019 12:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	21.3	63.9





#85

sec-Butylbenzene

Concen: 19.876 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012381.D

Acq: 13 Sep 2019 12:38

Instrument :

MSVOA_X

ClientSampled :

VX0913SBS03

Tot Ion:105 Resp: 158151

Ion Ratio Lower Upper

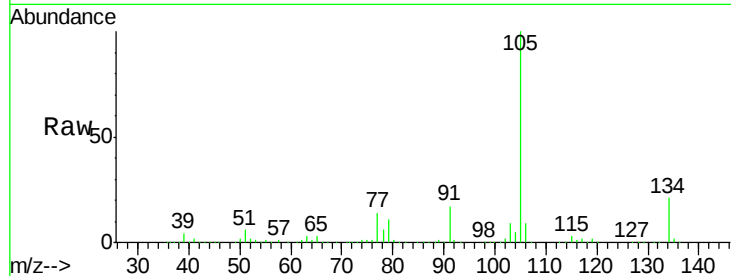
105 100

134 20.3 9.9 29.7

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

Ion 134.00 (133.70 to 134.70): V

11.94

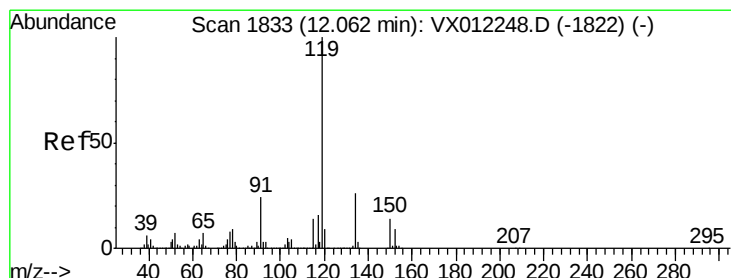
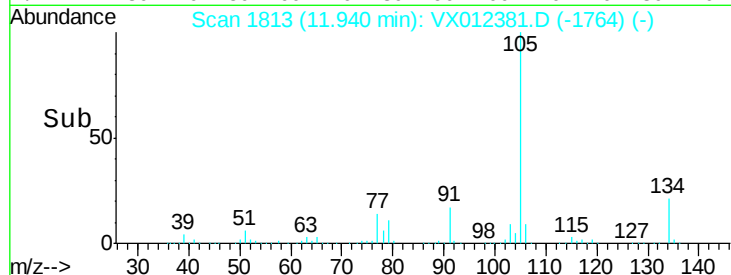
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.333 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012381.D

Acq: 13 Sep 2019 12:38

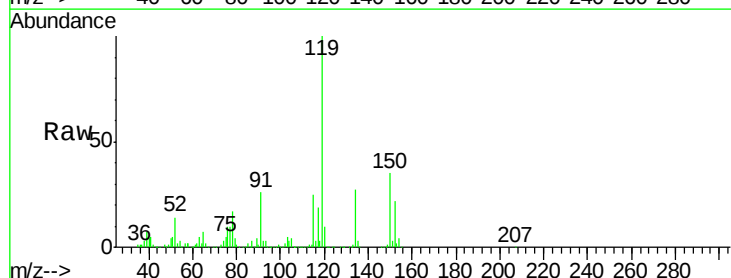
Tgt Ion:119 Resp: 149493

Ion Ratio Lower Upper

119 100

134 25.2 12.9 38.7

91 26.0 13.1 39.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

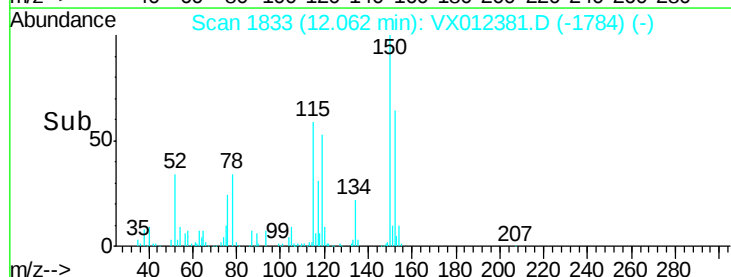
150000

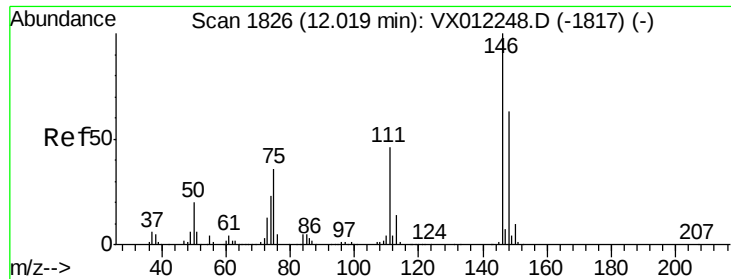
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.097 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VX012381.D

Acq: 13 Sep 2019 12:38

Instrument :

MSVOA_X

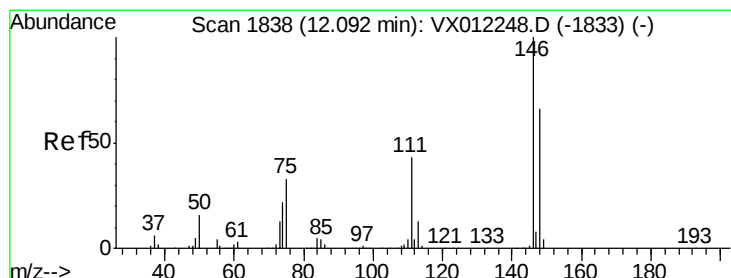
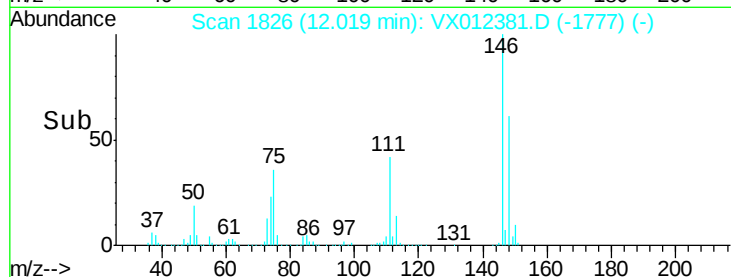
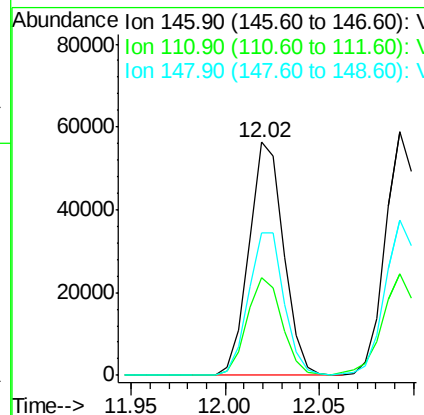
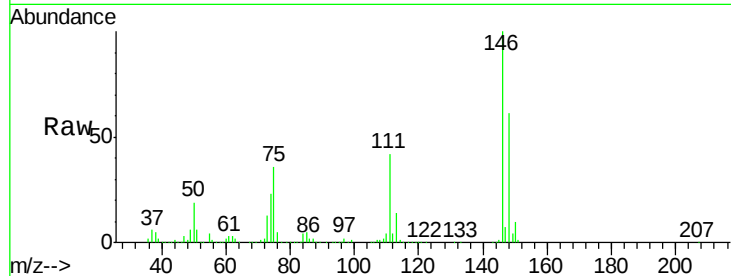
ClientSampleId :

VX0913SBS03

Tot Ion:	146	Resp:	71984
Ion Ratio	Lower	Upper	
146	100		
111	42.6	22.3	66.8
148	62.7	31.5	94.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.236 ug/l

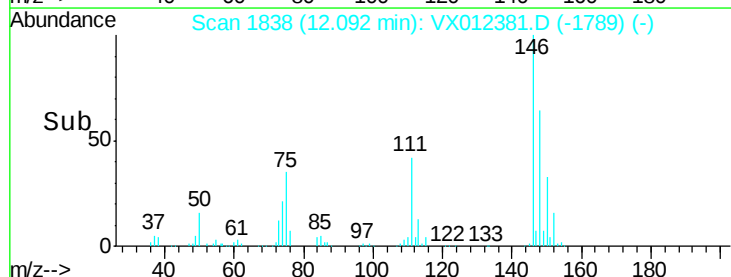
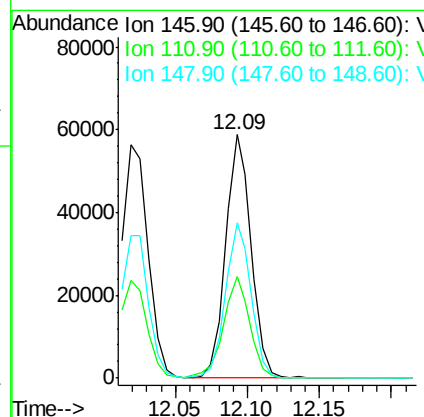
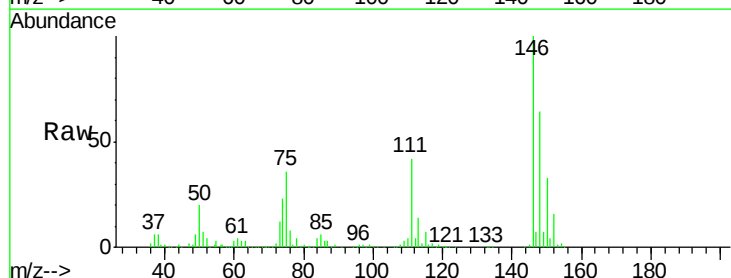
RT: 12.09 min Scan# 1838

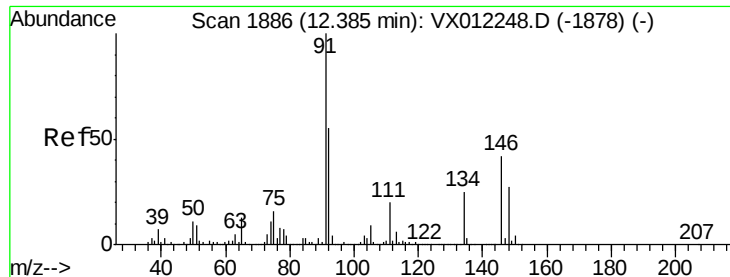
Delta R.T. -0.00 min

Lab File: VX012381.D

Acq: 13 Sep 2019 12:38

Tgt Ion:	146	Resp:	73290
Ion Ratio	Lower	Upper	
146	100		
111	43.4	21.6	64.8
148	64.2	32.4	97.2





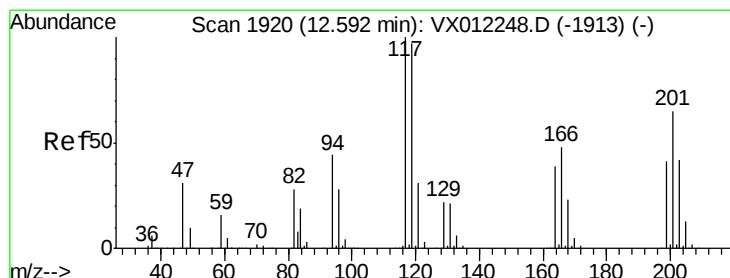
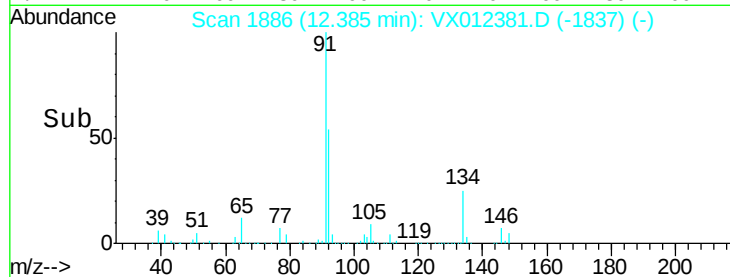
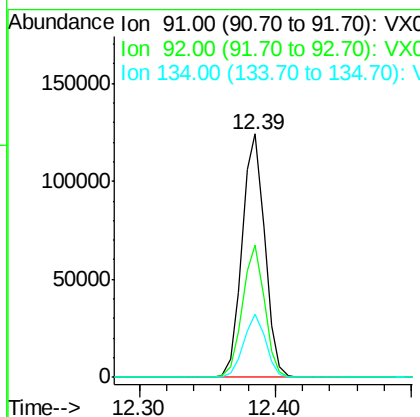
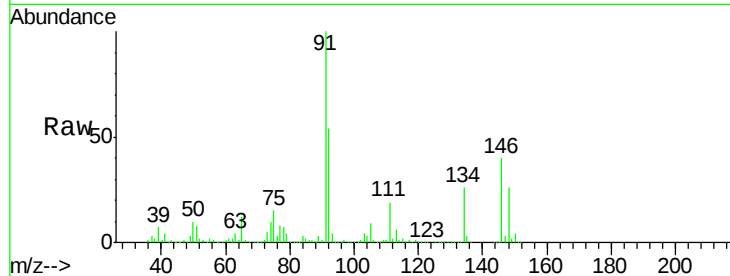
#89
n-Butylbenzene
Concen: 20.019 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012381.D
Acq: 13 Sep 2019 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS03

Tot Ion	Ratio	Resp	Lower	Upper
91	100	144261		
92	53.2	27.6	82.7	
134	25.0	12.5	37.5	

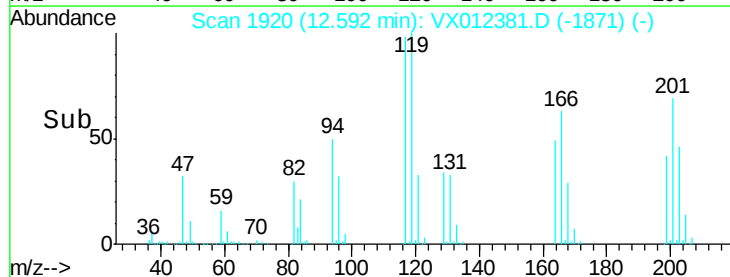
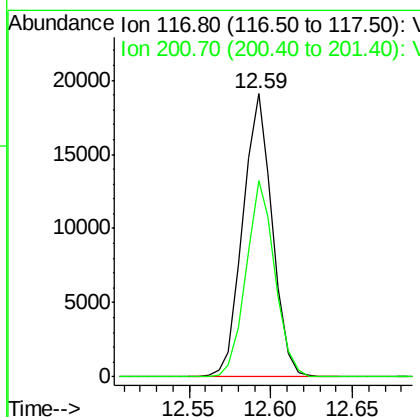
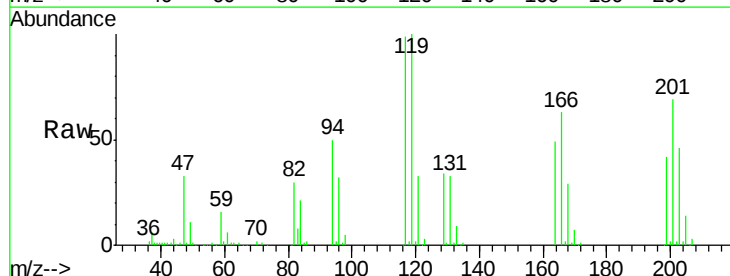
Manual Integrations
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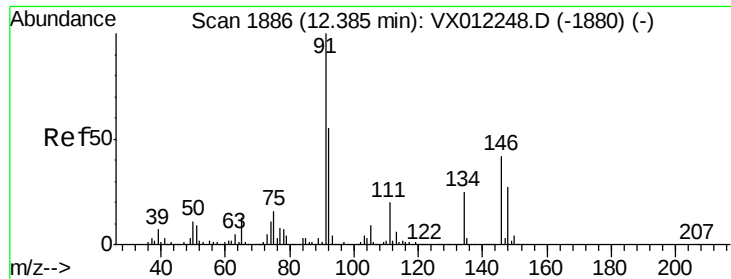
MMDadoda
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#90
Hexachloroethane
Concen: 17.685 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012381.D
Acq: 13 Sep 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	23949		
201	67.8	32.2	96.6	





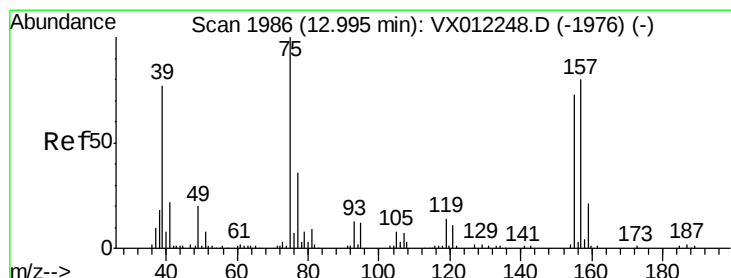
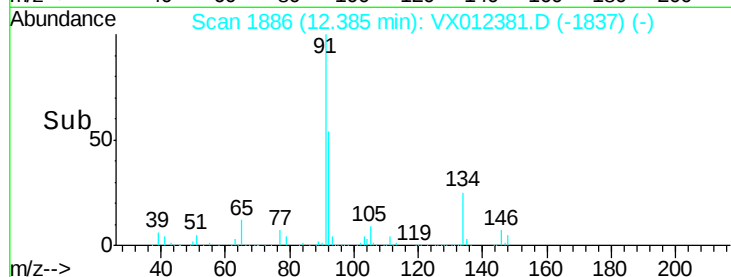
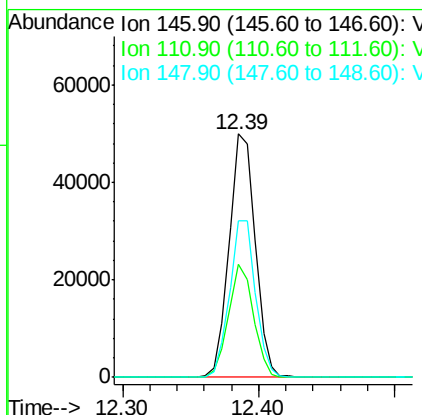
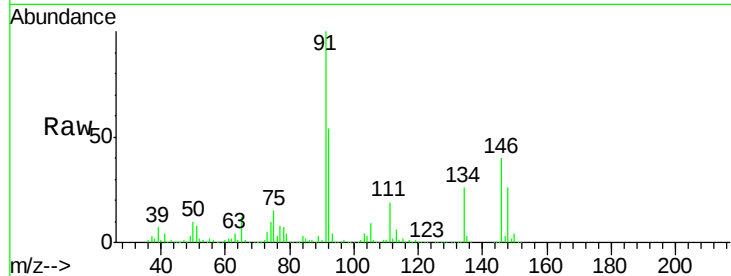
#91
 1,2-Dichlorobenzene
 Concen: 20.116 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012381.D
 Acq: 13 Sep 2019 12:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913SBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	23.2	69.6
148	64.5	32.4	97.0

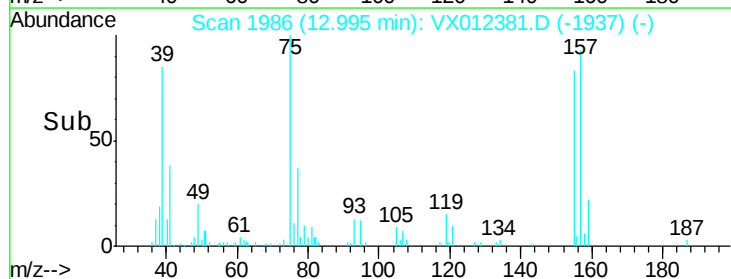
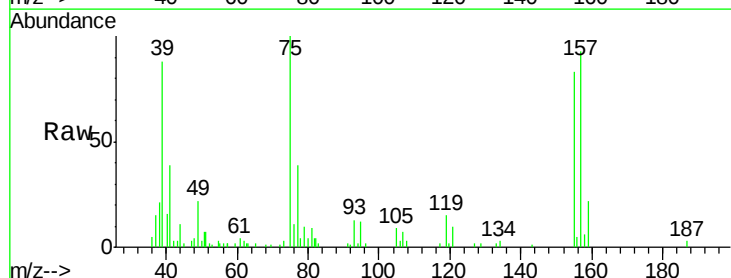
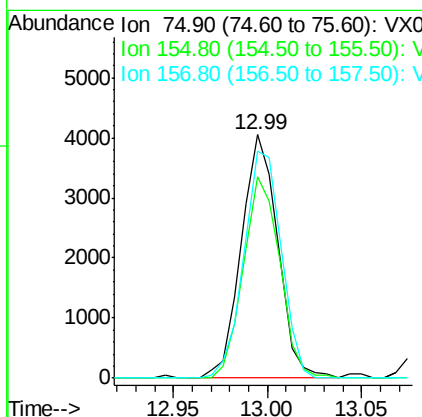
Manual Integrations
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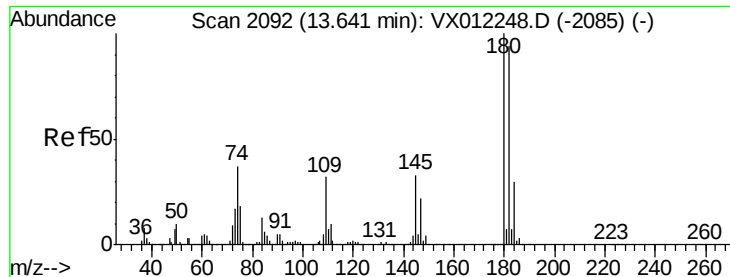
MMDadoda
 9/16/2019 1:13:23 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.303 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012381.D
 Acq: 13 Sep 2019 12:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.6	35.3	105.7
157	95.4	43.2	129.6





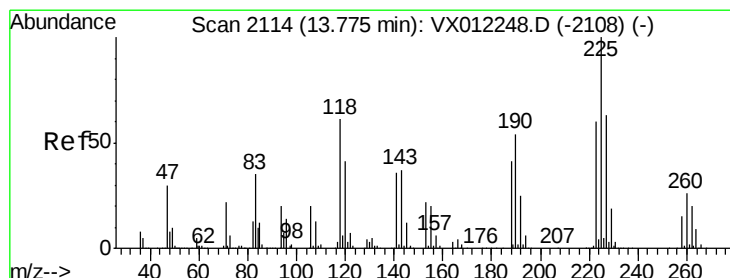
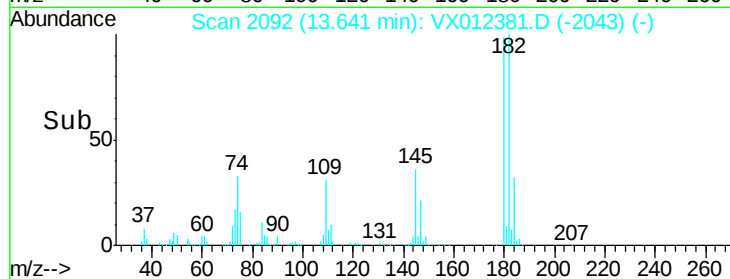
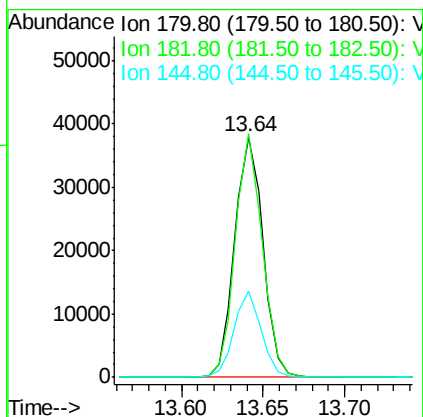
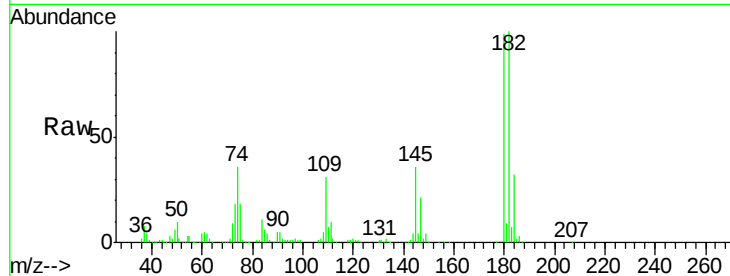
#93
 1,2,4-Trichlorobenzene
 Concen: 20.051 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012381.D
 Acq: 13 Sep 2019 12:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913SBS03

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.8	46.9	140.8	
145	34.5	17.1	51.2	

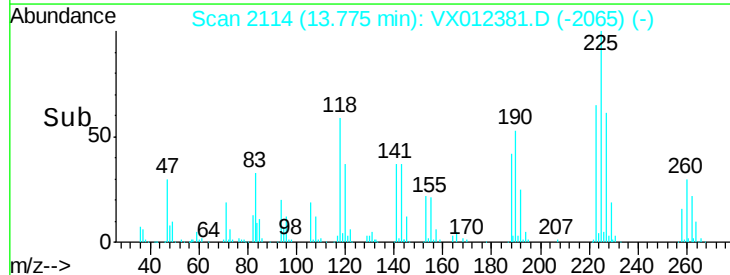
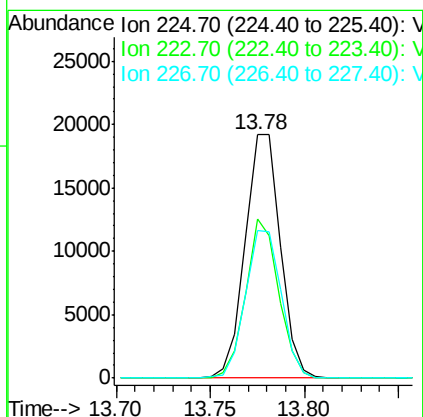
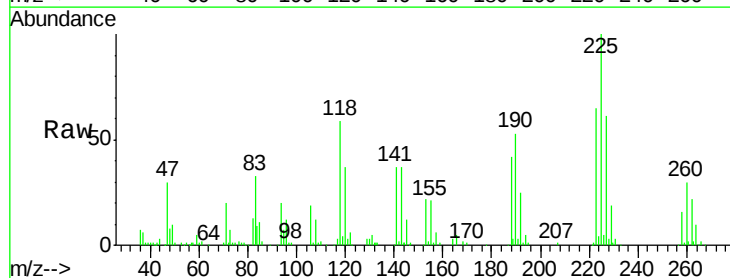
Manual Integrations
 APPROVED

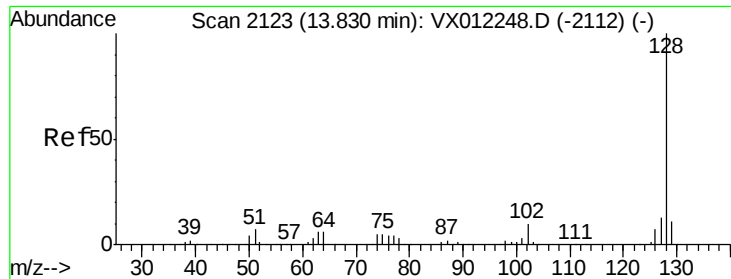
MMDadoda
 9/16/2019 1:13:23 AM



#94
 Hexachlorobutadiene
 Concen: 21.961 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX012381.D
 Acq: 13 Sep 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	60.9	32.1	96.5	
227	61.7	32.5	97.5	





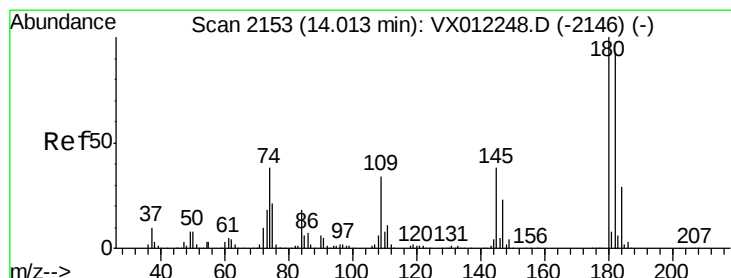
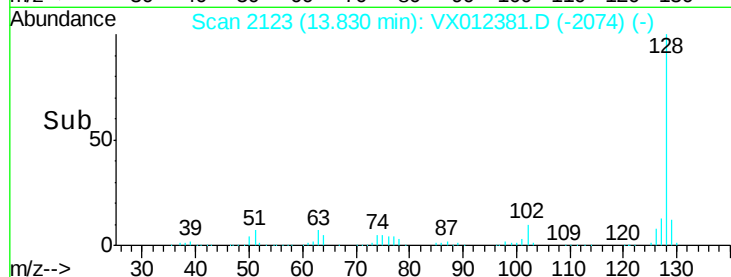
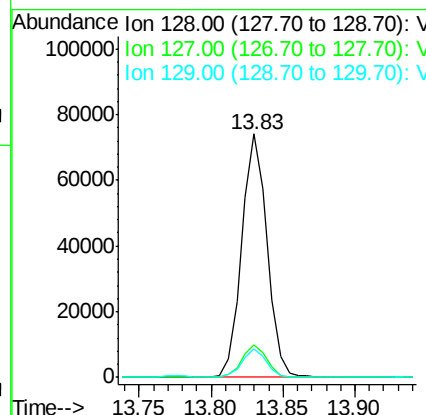
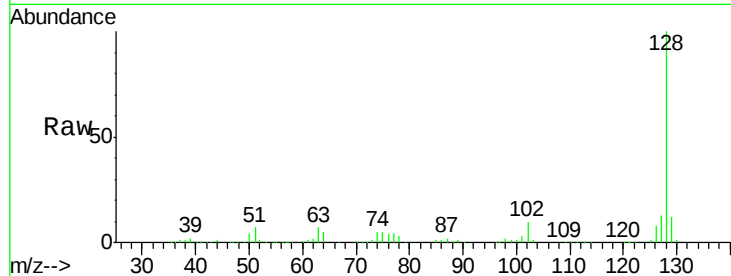
#95
Naphthalene
Concen: 18.502 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012381.D
Acq: 13 Sep 2019 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS03

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	11.3	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
9/16/2019 1:13:23 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.428 ug/l
RT: 14.02 min Scan# 2154
Delta R.T. 0.01 min
Lab File: VX012381.D
Acq: 13 Sep 2019 12:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.0	141.0
145	35.5	18.6	55.8

