

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091019\
 Data File : VX012251.D
 Acq On : 10 Sep 2019 12:44
 Operator : SY/SP
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVX091019

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 9:00:41 AM

Quant Time: Sep 11 01:44:11 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	151481	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	267146	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	245991	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	122574	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	105395	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
35) Dibromofluoromethane	5.48	113	84574	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
50) Toluene-d8	8.71	98	319975	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	
62) 4-Bromofluorobenzene	11.13	95	137964	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	60681	48.997	ug/l	99
3) Chloromethane	1.31	50	54501	48.820	ug/l	97
4) Vinyl Chloride	1.40	62	53424	48.264	ug/l	98
5) Bromomethane	1.63	94	30543	69.927	ug/l	96
6) Chloroethane	1.71	64	36207	48.917	ug/l	99
7) Trichlorofluoromethane	1.92	101	100827	50.331	ug/l	99
8) Diethyl Ether	2.17	74	34407	50.333	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	66571	49.306	ug/l	98
10) Methyl Iodide	2.50	142	71188	55.398	ug/l	99
11) Tert butyl alcohol	3.03	59	48756	213.032	ug/l	100
12) 1,1-Dichloroethene	2.36	96	52778	46.044	ug/l	97
13) Acrolein	2.28	56	23879	213.294	ug/l	92
14) Allyl chloride	2.72	41	120517	51.570	ug/l	100
15) Acrylonitrile	3.12	53	103760	245.551	ug/l	100
16) Acetone	2.43	43	114839	226.511	ug/l	97
17) Carbon Disulfide	2.56	76	124358	51.664	ug/l	100
18) Methyl Acetate	2.76	43	49440	46.395	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	228478	50.474	ug/l	97
20) Methylene Chloride	2.84	84	78183	49.397	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	68846	50.342	ug/l	97
22) Diisopropyl ether	3.84	45	274272	51.318	ug/l	93
23) Vinyl Acetate	3.80	43	853824	260.384	ug/l	98
24) 1,1-Dichloroethane	3.68	63	147048	51.365	ug/l	99
25) 2-Butanone	4.65	43	154341	238.139	ug/l	99
26) 2,2-Dichloropropane	4.56	77	143242	53.295	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	90157	51.064	ug/l	99
28) Bromochloromethane	5.00	49	65246	48.595	ug/l	100
29) Tetrahydrofuran	5.11	42	86560	247.537	ug/l	98
30) Chloroform	5.19	83	162586	50.364	ug/l	99
31) Cyclohexane	5.56	56	102662	51.625	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	142214	51.305	ug/l	100
36) 1,1-Dichloropropene	5.78	75	103153	52.955	ug/l	99
37) Ethyl Acetate	4.81	43	62381	51.805	ug/l	99
38) Carbon Tetrachloride	5.77	117	119752	52.398	ug/l	97

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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	112739	52.738	ug/l	99
40) Benzene	6.13	78	302501	51.310	ug/l	99
41) Methacrylonitrile	5.03	41	37301	50.248	ug/l	97
42) 1,2-Dichloroethane	6.18	62	117729	50.525	ug/l	99
43) Isopropyl Acetate	6.43	43	127337	50.158	ug/l	100
44) Trichloroethene	7.20	130	82314	51.591	ug/l	96
45) 1,2-Dichloropropane	7.50	63	84235	51.618	ug/l	100
46) Dibromomethane	7.65	93	46494	52.130	ug/l	99
47) Bromodichloromethane	7.89	83	127603	52.426	ug/l	99
48) Methyl methacrylate	7.76	41	62012	51.032	ug/l	98
49) 1,4-Dioxane	7.73	88	14835	904.721	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	328583	245.235	ug/l	99
52) Toluene	8.78	92	202888	52.101	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	130341	53.654	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	142320	52.832	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	69325	50.171	ug/l	99
56) Ethyl methacrylate	9.17	69	97577	52.156	ug/l	99
57) 1,3-Dichloropropane	9.36	76	120668	51.131	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	242058	252.439	ug/l	100
59) 2-Hexanone	9.48	43	243580	261.458	ug/l	99
60) Dibromochloromethane	9.57	129	85545	53.032	ug/l	97
61) 1,2-Dibromoethane	9.67	107	65690	51.072	ug/l	99
64) Tetrachloroethene	9.33	164	64957	49.930	ug/l	99
65) Chlorobenzene	10.14	112	232066	51.631	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	88797	52.407	ug/l	100
67) Ethyl Benzene	10.25	91	421371	52.710	ug/l	98
68) m/p-Xylenes	10.35	106	316543	107.567	ug/l	98
69) o-Xylene	10.70	106	152799	53.004	ug/l	99
70) Styrene	10.71	104	271009	53.008	ug/l	100
71) Bromoform	10.85	173	46555	52.987	ug/l #	98
73) Isopropylbenzene	11.01	105	420950	52.166	ug/l	100
74) N-amyl acetate	10.89	43	125537	52.322	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	88557	51.099	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	67263m	42.716	ug/l	
77) Bromobenzene	11.25	156	96581	51.985	ug/l	99
78) n-propylbenzene	11.35	91	511265	52.467	ug/l	99
79) 2-Chlorotoluene	11.42	91	316455	52.417	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	381033	52.507	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	27556	52.433	ug/l	99
82) 4-Chlorotoluene	11.51	91	384688	53.020	ug/l	99
83) tert-Butylbenzene	11.76	119	380065	53.938	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	395267	52.690	ug/l	99
85) sec-Butylbenzene	11.94	105	446866	53.150	ug/l	100
86) p-Isopropyltoluene	12.06	119	415614	53.500	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	200790	53.055	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	200388	52.363	ug/l	99
89) n-Butylbenzene	12.39	91	415448	54.563	ug/l	99
90) Hexachloroethane	12.59	117	77224	53.969	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	182796	52.214	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	17718	50.088	ug/l	97

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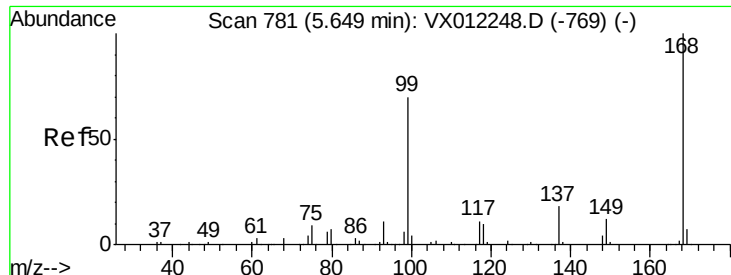
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	134105	55.469	ug/l	99
94) Hexachlorobutadiene	13.78	225	67179	55.855	ug/l	97
95) Naphthalene	13.83	128	279702	53.910	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	116501	54.462	ug/l	98

(#) = 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: VX012251.D

Acq: 10 Sep 2019 12:44

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091019

Tot Ion:168 Resp: 151481

Ion Ratio Lower Upper

168 100

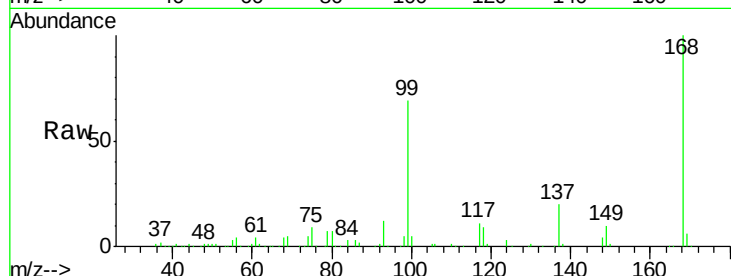
99 69.1 55.8 83.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

60000

50000

40000

30000

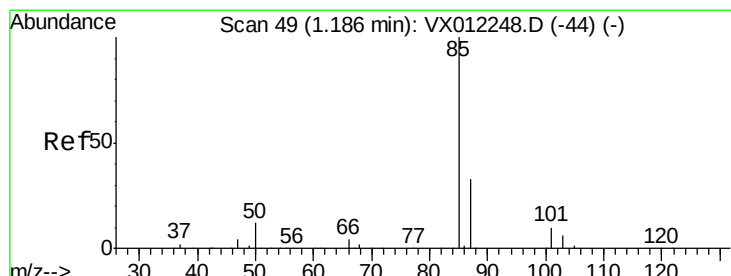
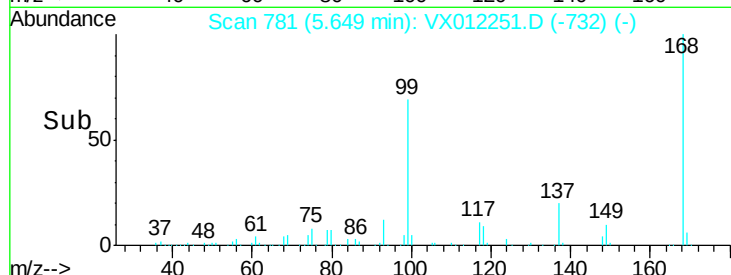
20000

10000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 48.997 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012251.D

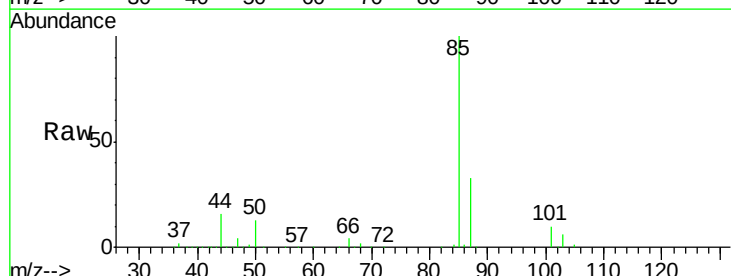
Acq: 10 Sep 2019 12:44

Tgt Ion: 85 Resp: 60681

Ion Ratio Lower Upper

85 100

87 32.6 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

60000

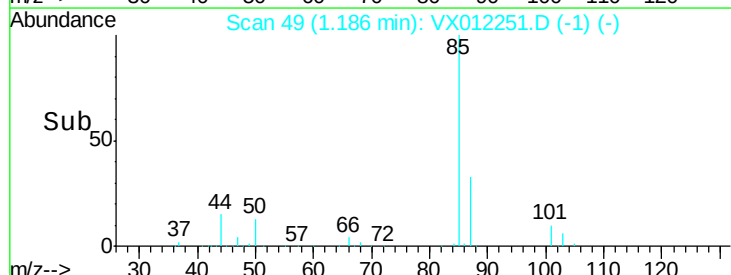
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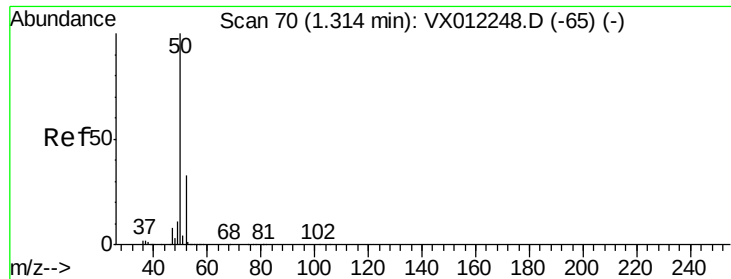
20000

0

1.10 1.20 1.30

Time-->





#3

Chloromethane

Concen: 48.820 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012251.D

Acq: 10 Sep 2019 12:44

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091019

Tot Ion: 50 Resp: 54501

Ion Ratio Lower Upper

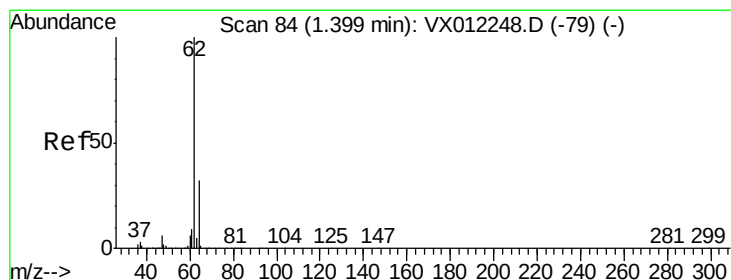
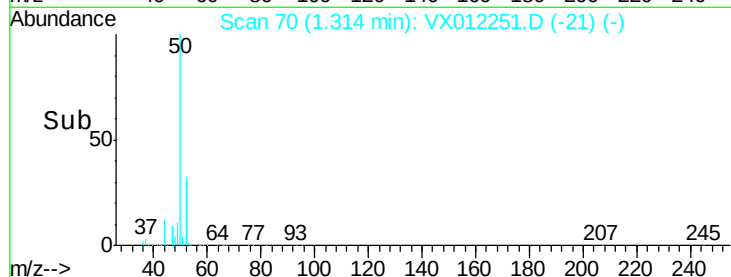
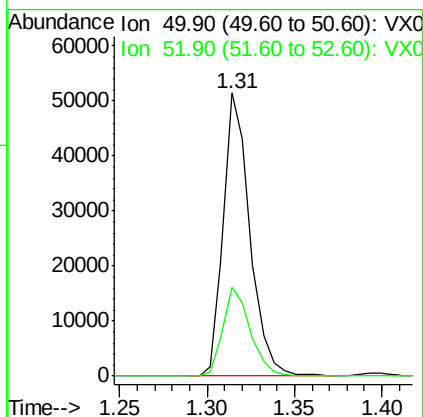
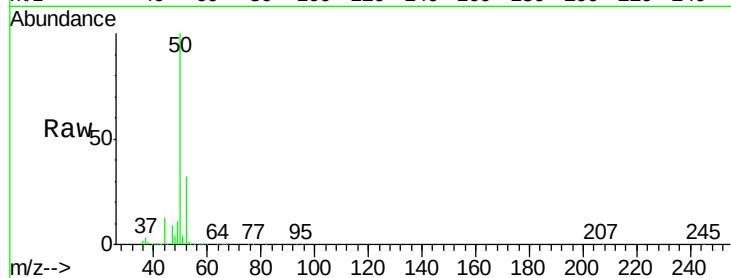
50 100

52 31.6 26.7 40.1

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#4

Vinyl Chloride

Concen: 48.264 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX012251.D

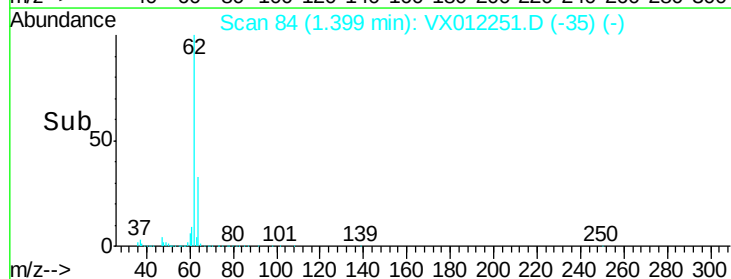
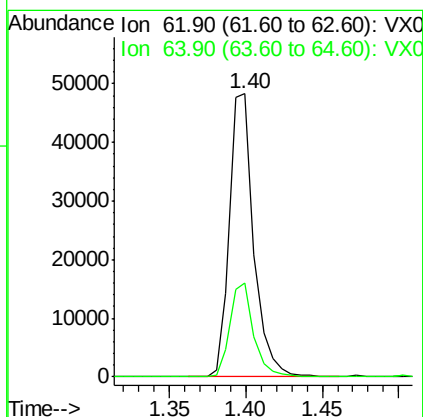
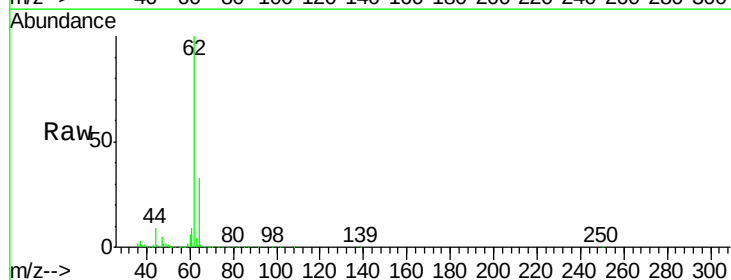
Acq: 10 Sep 2019 12:44

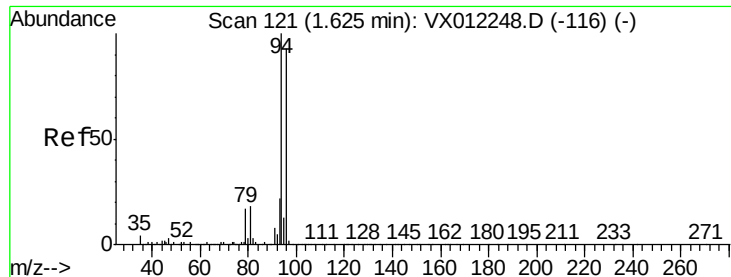
Tgt Ion: 62 Resp: 53424

Ion Ratio Lower Upper

62 100

64 33.1 25.5 38.3





#5

Bromomethane

Concen: 69.927 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012251.D

Acq: 10 Sep 2019 12:44

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091019

Tot Ion: 94 Resp: 30543

Ion Ratio Lower Upper

94 100

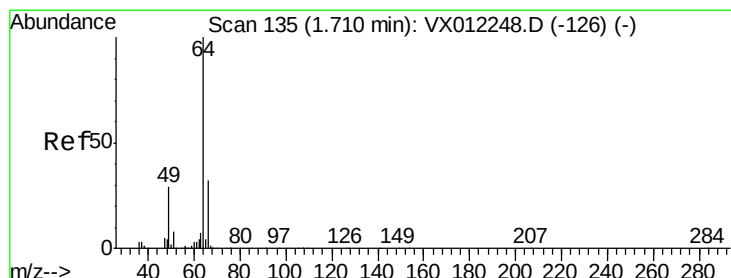
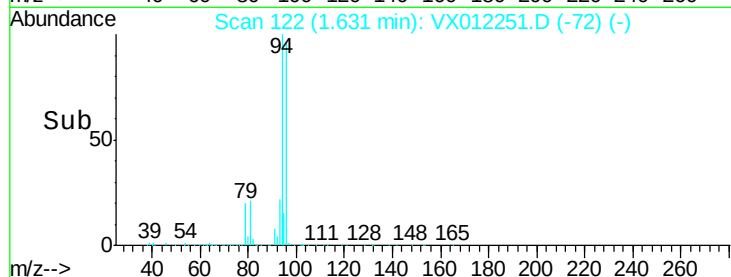
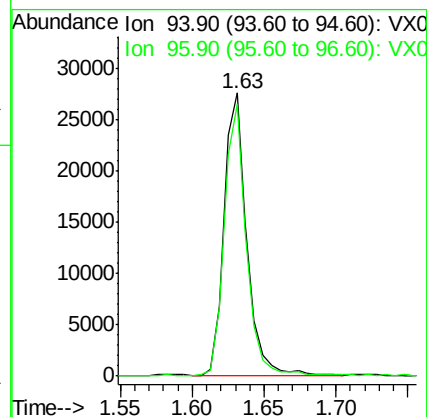
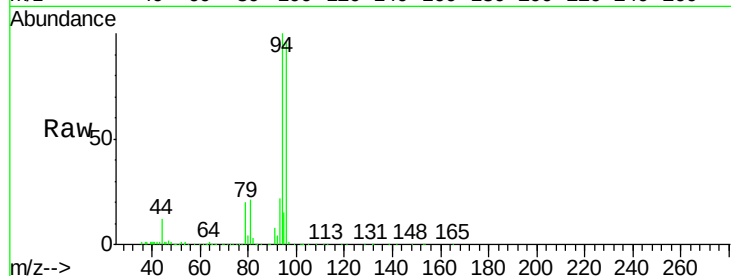
96 96.1 74.0 111.0

Manual Integrations

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#6

Chloroethane

Concen: 48.917 ug/l

RT: 1.71 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX012251.D

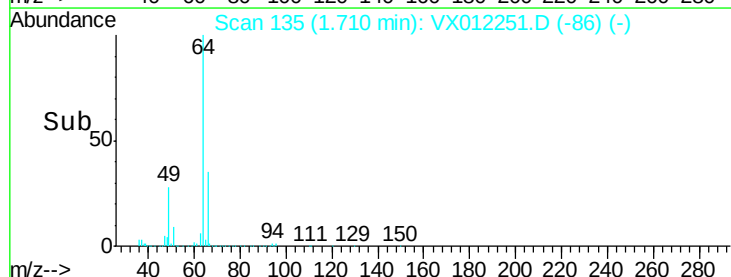
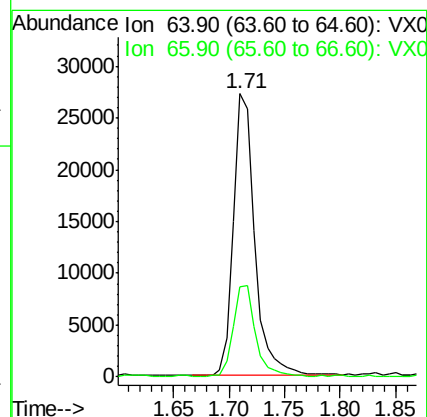
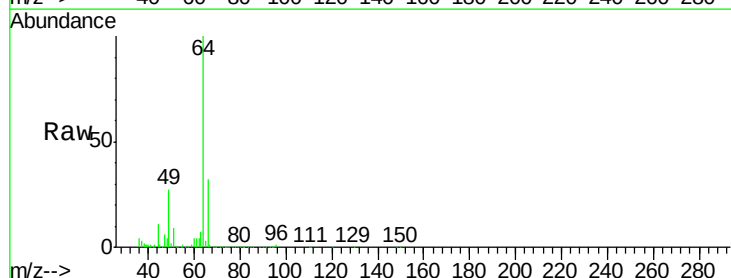
Acq: 10 Sep 2019 12:44

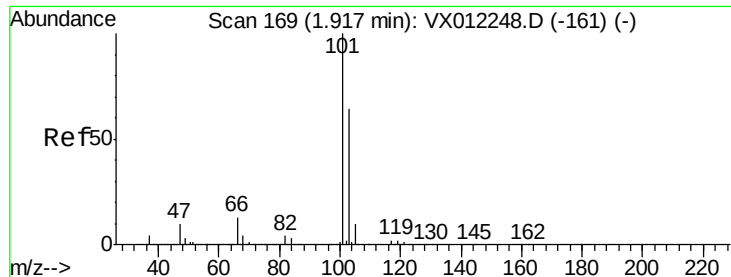
Tgt Ion: 64 Resp: 36207

Ion Ratio Lower Upper

64 100

66 31.6 25.8 38.6





#7

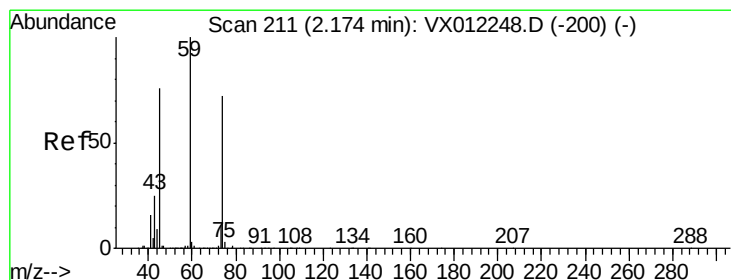
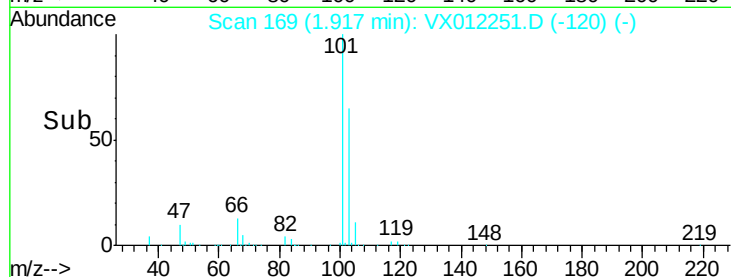
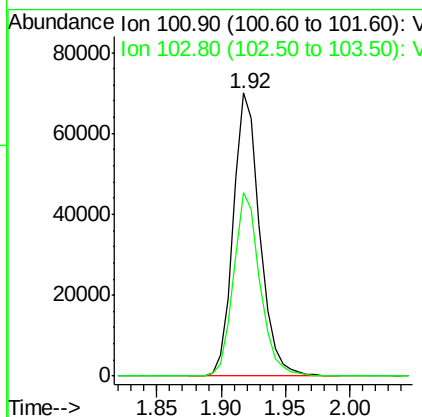
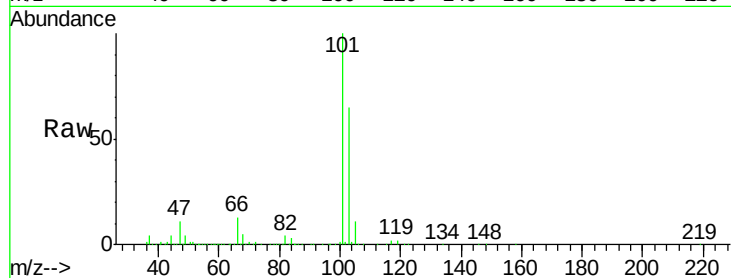
Trichlorofluoromethane
Concen: 50.331 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX012251.D
Acq: 10 Sep 2019 12:44

Instrument :
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ClientSampleId :
ICVVX091019

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.4	77.2

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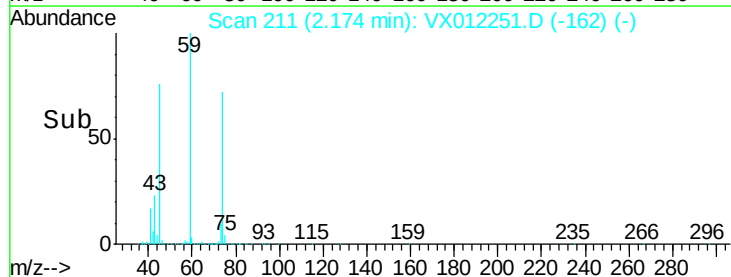
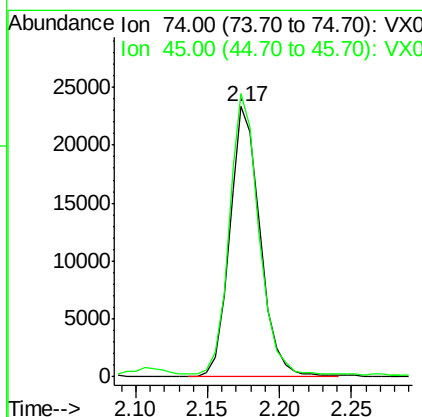
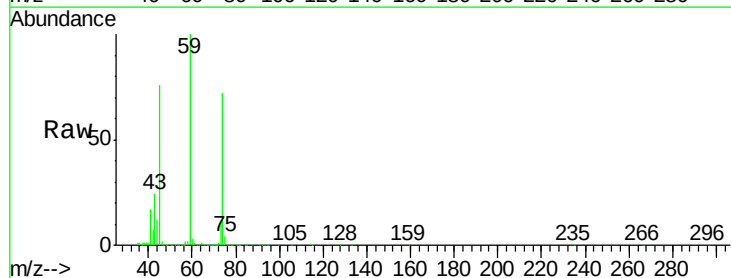
MMDadoda
9/12/2019 9:00:41 AM

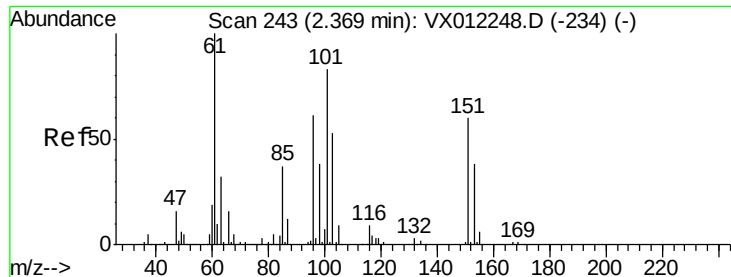


#8

Diethyl Ether
Concen: 50.333 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX012251.D
Acq: 10 Sep 2019 12:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.7	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.306 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX012251.D

Acq: 10 Sep 2019 12:44

Instrument :

MSVOA_X

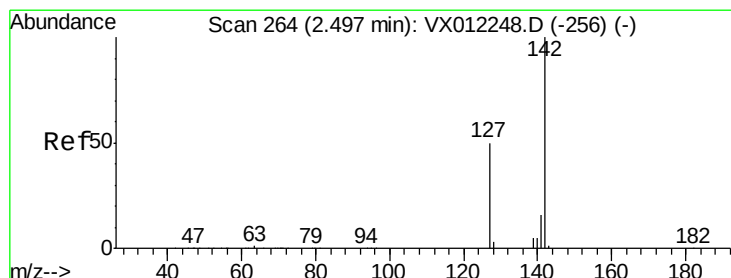
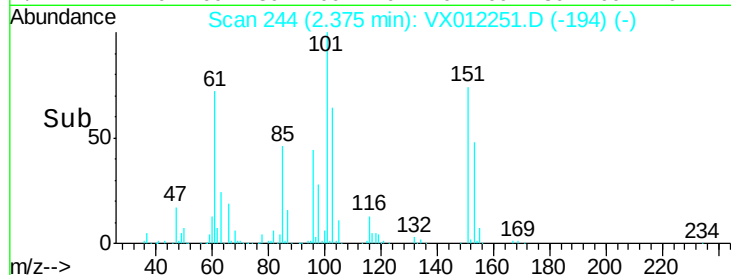
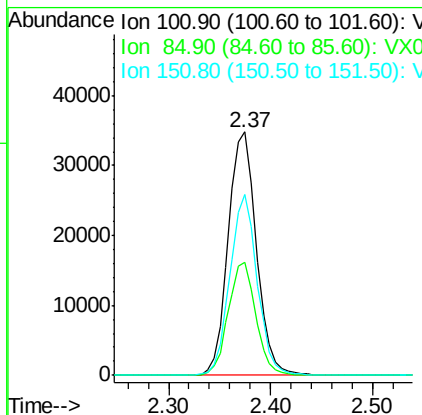
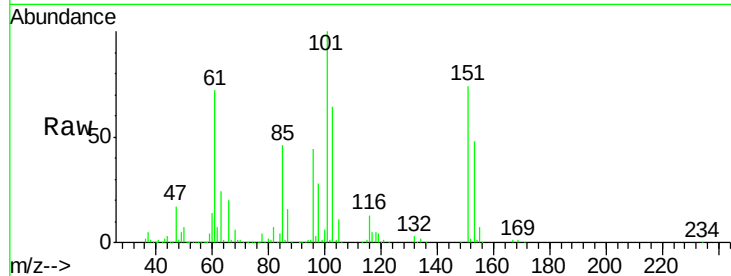
ClientSampleId :

ICVVX091019

Tot Ion:	101	Resp:	66571
Ion Ratio	Lower	Upper	
101	100		
85	45.4	37.0	55.6
151	71.8	58.6	87.8

Manual Integrations
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9/12/2019 9:00:41 AM



#10

Methyl Iodide

Concen: 55.398 ug/l

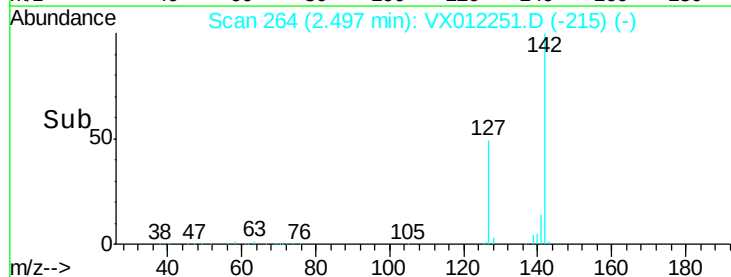
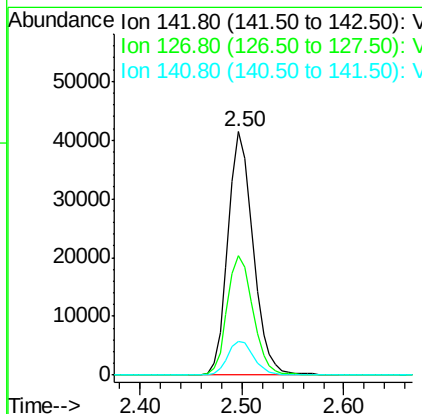
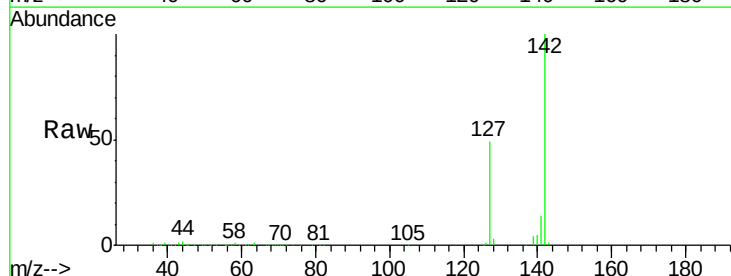
RT: 2.50 min Scan# 264

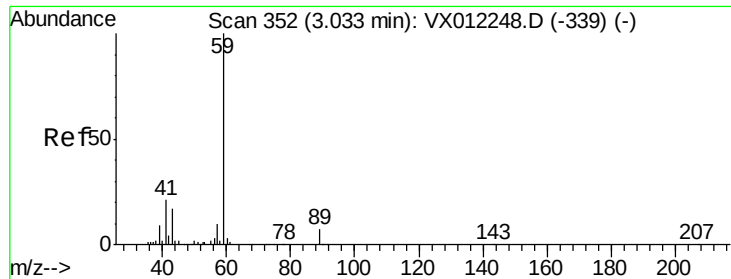
Delta R.T. -0.00 min

Lab File: VX012251.D

Acq: 10 Sep 2019 12:44

Tgt Ion:	142	Resp:	71188
Ion Ratio	Lower	Upper	
142	100		
127	50.5	40.6	61.0
141	14.4	12.0	18.0





#11

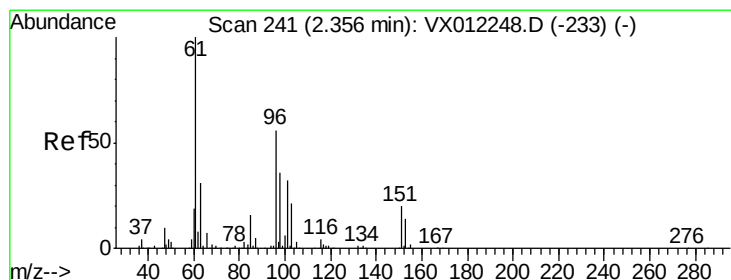
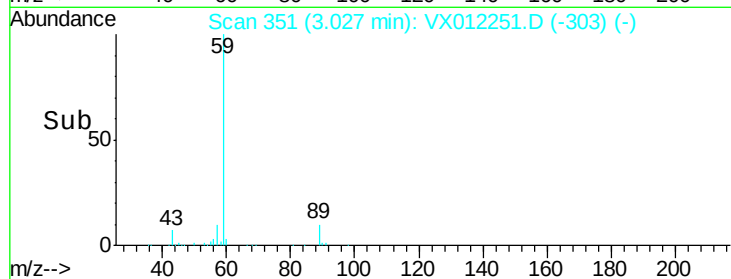
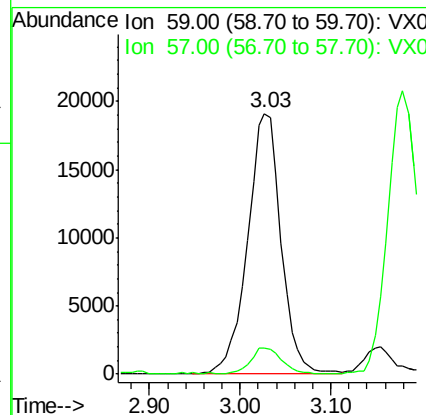
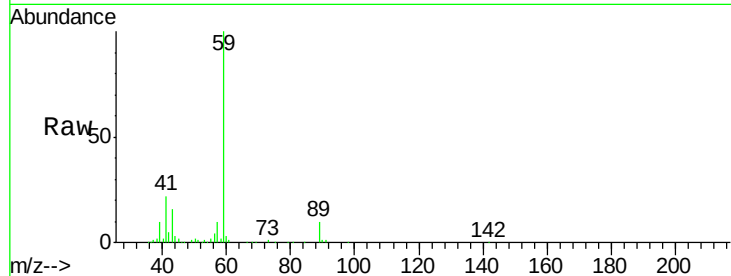
Tert butyl alcohol
Concen: 213.032 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX012251.D
Acq: 10 Sep 2019 12:44

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091019

Tot Ion	Ratio	Resp	Lower	Upper
59	100	48756		
57	9.7		7.8	11.6

Manual Integrations
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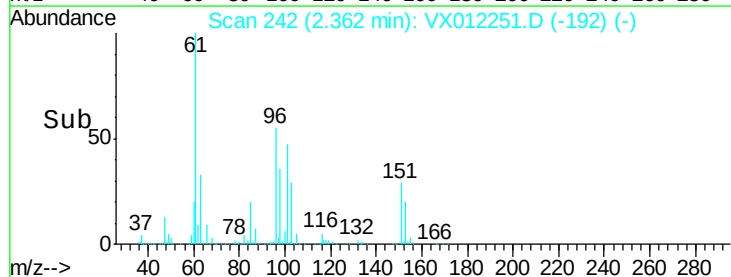
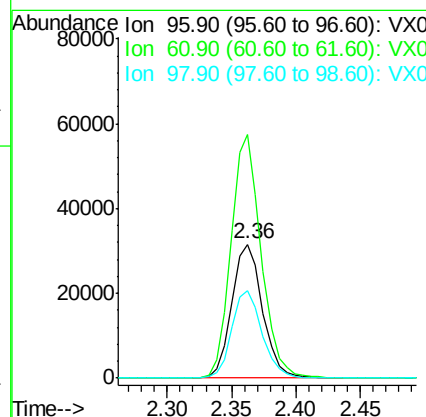
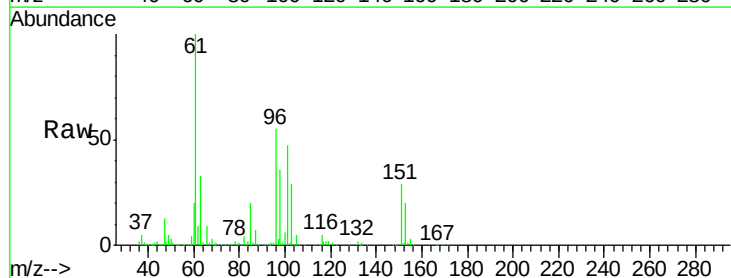
MMDadoda
9/12/2019 9:00:41 AM

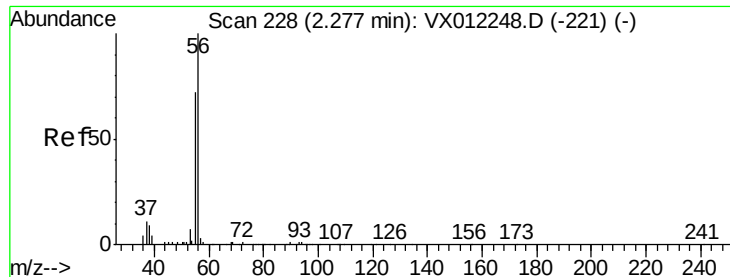


#12

1,1-Dichloroethene
Concen: 46.044 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.01 min
Lab File: VX012251.D
Acq: 10 Sep 2019 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	52778		
61	181.9		142.2	213.2
98	65.6		51.3	76.9





#13

Acrolein

Concen: 213.294 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.00 min

Lab File: VX012251.D

Acq: 10 Sep 2019 12:44

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091019

Tot Ion: 56 Resp: 23879

Ion Ratio Lower Upper

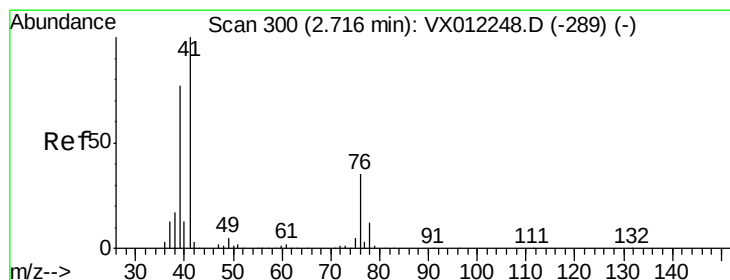
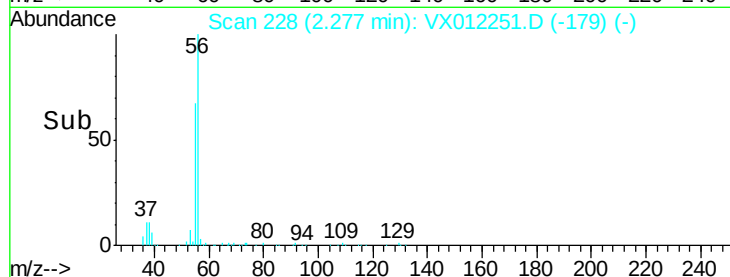
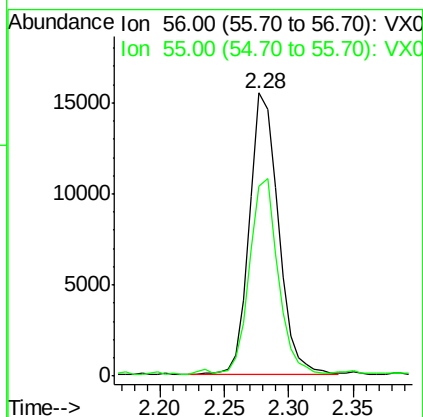
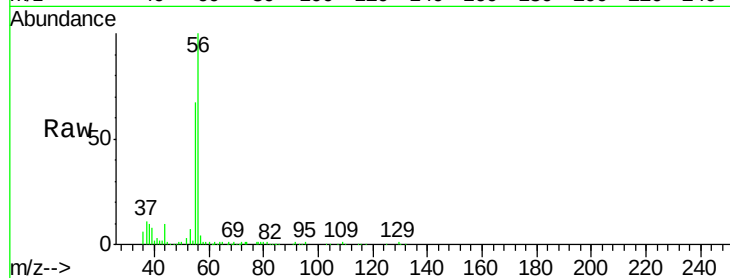
56 100

55 67.6 59.8 89.6

Manual Integrations
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#14

Allyl chloride

Concen: 51.570 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX012251.D

Acq: 10 Sep 2019 12:44

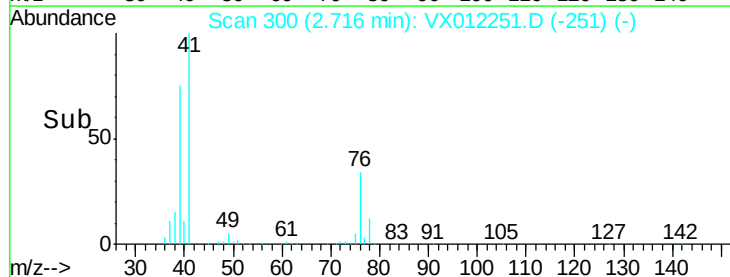
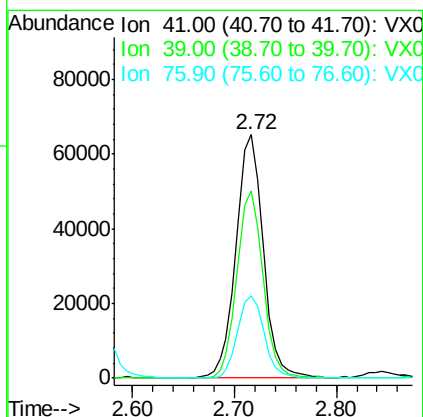
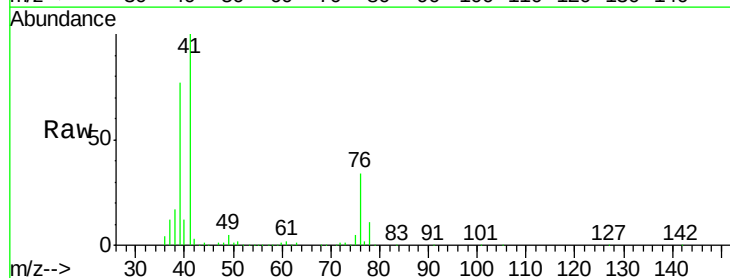
Tgt Ion: 41 Resp: 120517

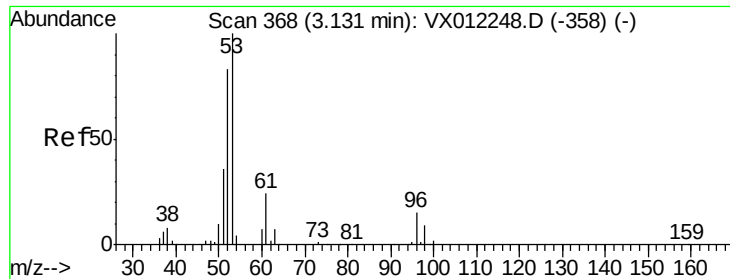
Ion Ratio Lower Upper

41 100

39 73.4 58.6 87.8

76 33.5 26.3 39.5





#15

Acrylonitrile

Concen: 245.551 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX012251.D

Acq: 10 Sep 2019 12:44

Instrument :

MSVOA_X

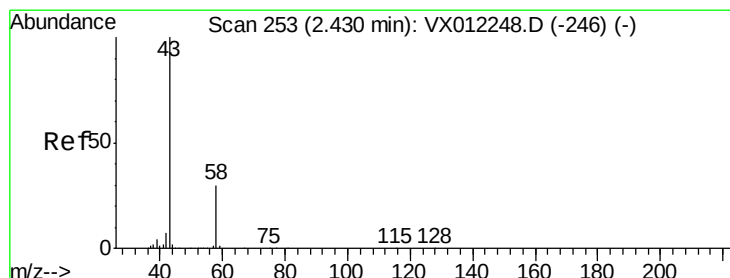
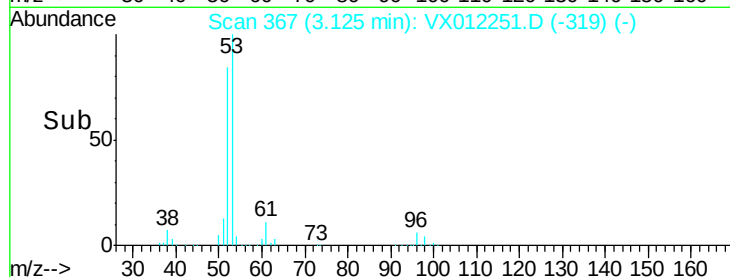
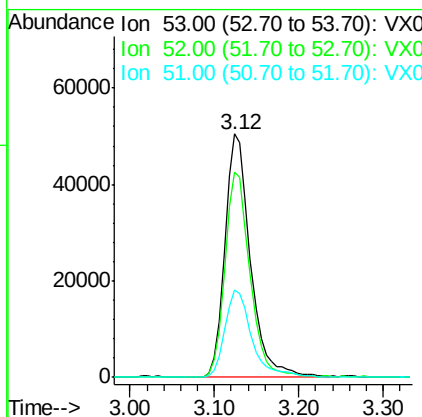
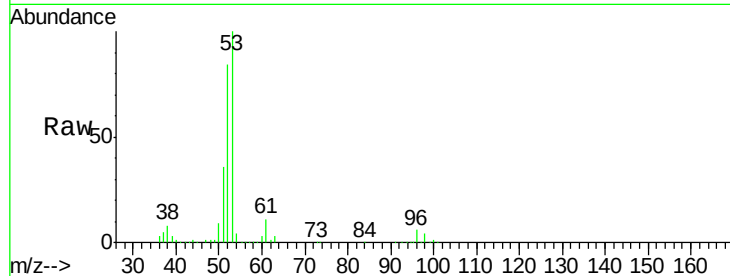
ClientSampleId :

ICVVX091019

Tot Ion:	53	Resp:	103760
Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.8	100.2
51	37.8	30.7	46.1

Manual Integrations
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#16

Acetone

Concen: 226.511 ug/l

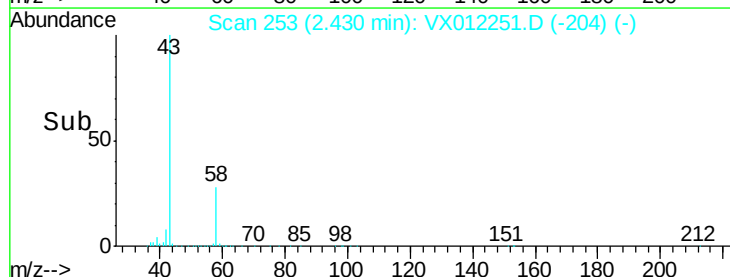
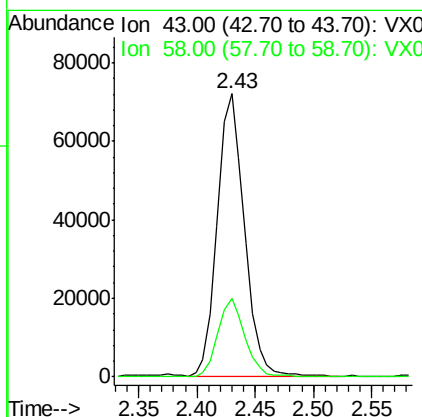
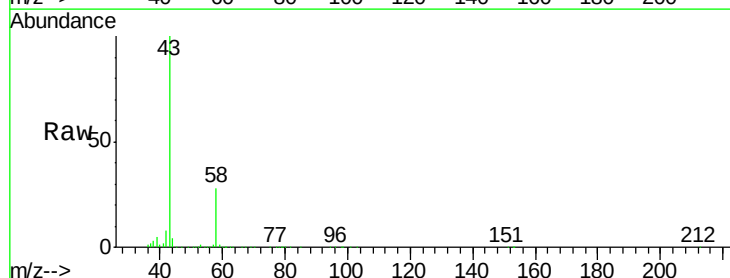
RT: 2.43 min Scan# 253

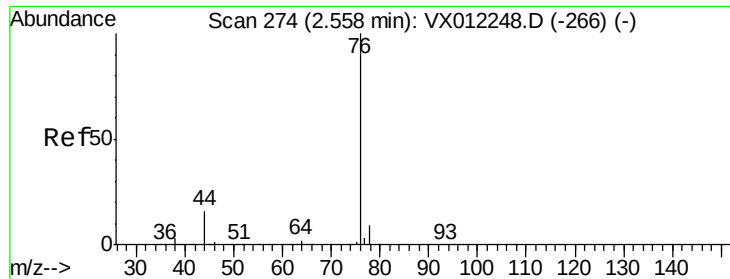
Delta R.T. -0.00 min

Lab File: VX012251.D

Acq: 10 Sep 2019 12:44

Tgt Ion:	43	Resp:	114839
Ion	Ratio	Lower	Upper
43	100		
58	27.7	23.6	35.4





#17

Carbon Disulfide

Concen: 51.664 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX012251.D

Acq: 10 Sep 2019 12:44

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091019

Tot Ion: 76 Resp: 124358

Ion Ratio Lower Upper

76 100

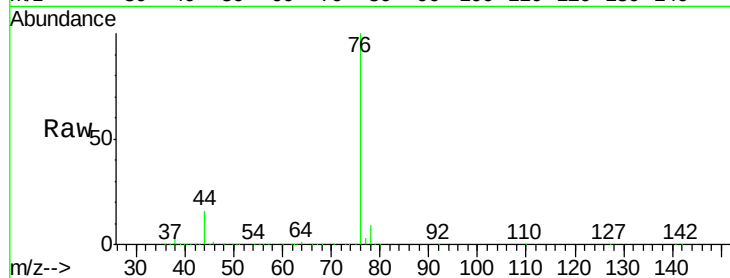
78 9.4 7.4 11.2

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

80000

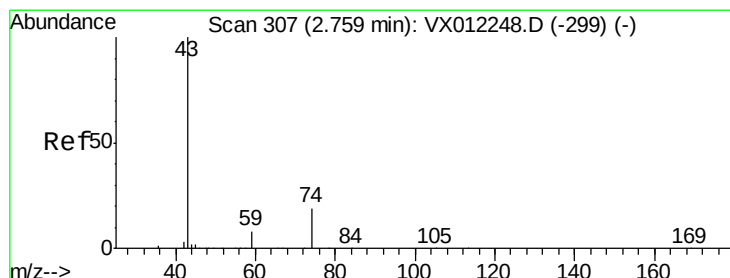
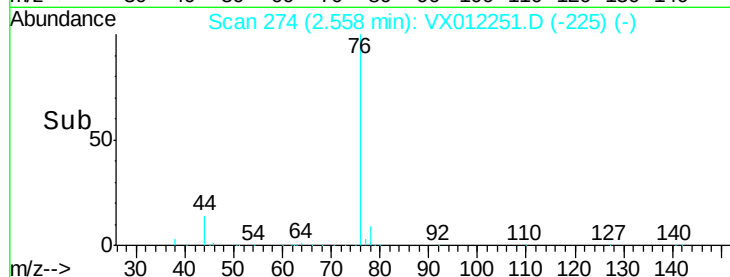
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 46.395 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.00 min

Lab File: VX012251.D

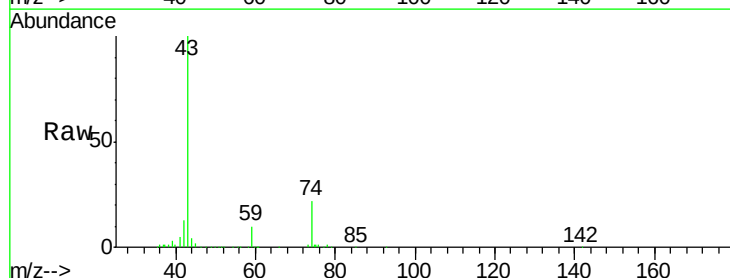
Acq: 10 Sep 2019 12:44

Tgt Ion: 43 Resp: 49440

Ion Ratio Lower Upper

43 100

74 23.4 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

30000

25000

20000

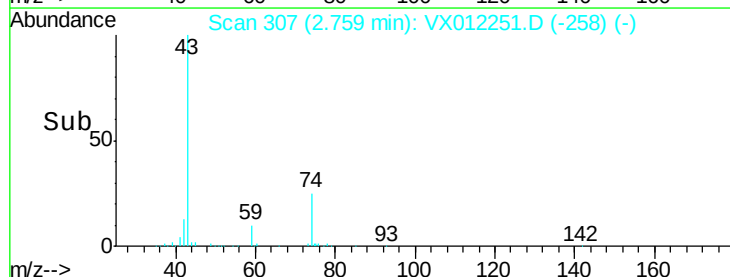
15000

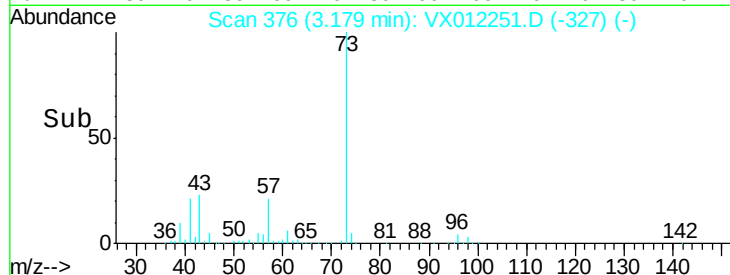
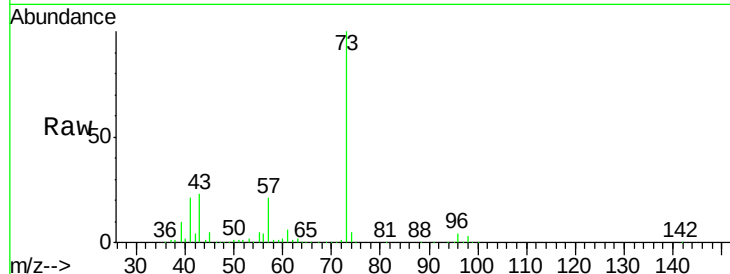
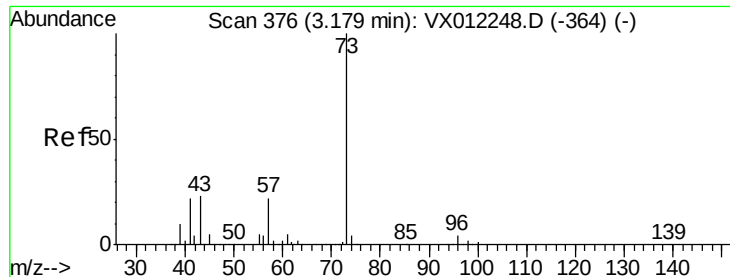
10000

5000

0

Time-->





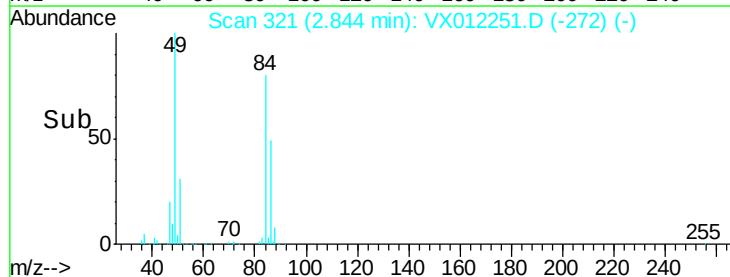
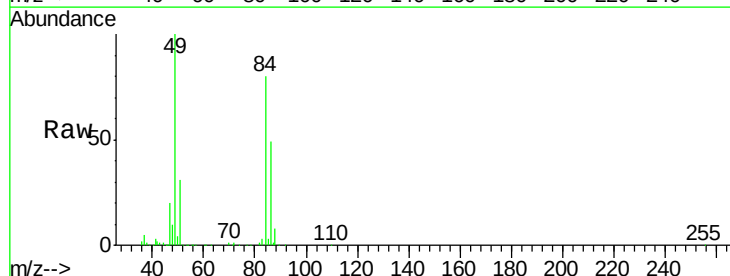
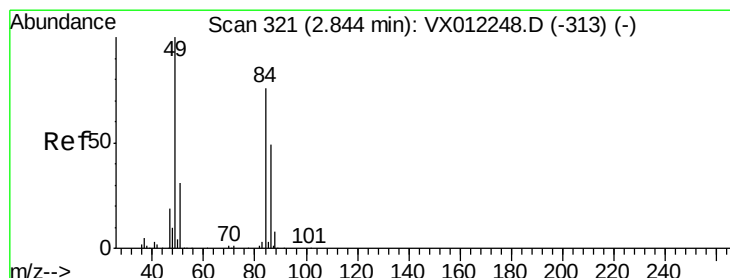
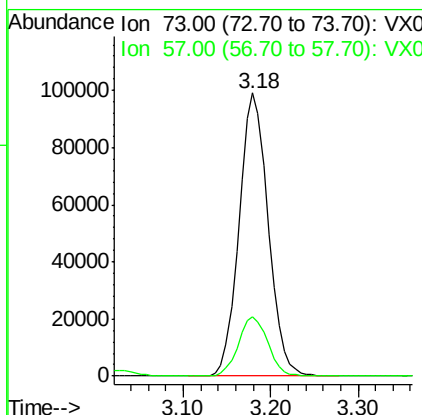
#19
Methyl tert-butyl Ether
Concen: 50.474 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX012251.D
Acq: 10 Sep 2019 12:44

Tot Ion	73	Resp	228478
Ion Ratio	100	Lower	Upper
73	100		
57	20.9	17.7	26.5

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091019

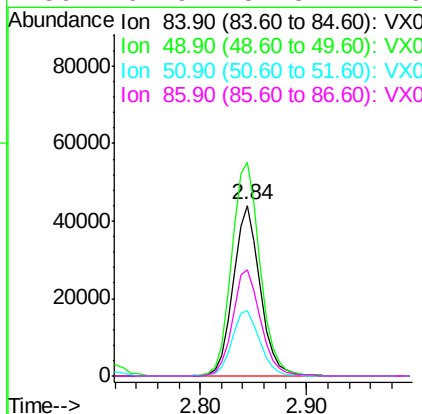
Manual Integrations
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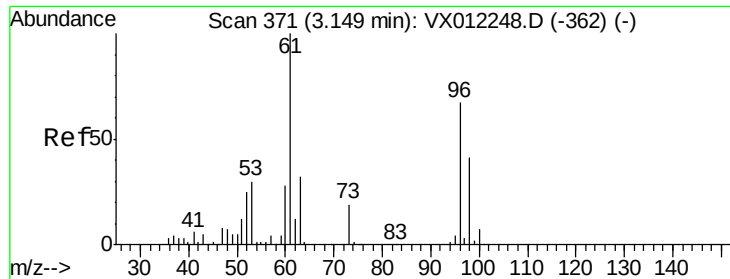
MMDadoda
9/12/2019 9:00:41 AM



#20
Methylene Chloride
Concen: 49.397 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012251.D
Acq: 10 Sep 2019 12:44

Tgt Ion	84	Resp	78183
Ion Ratio	100	Lower	Upper
84	100		
49	125.0	105.0	157.6
51	38.4	32.6	48.8
86	61.9	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 50.342 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX012251.D

Acq: 10 Sep 2019 12:44

Instrument :

MSVOA_X

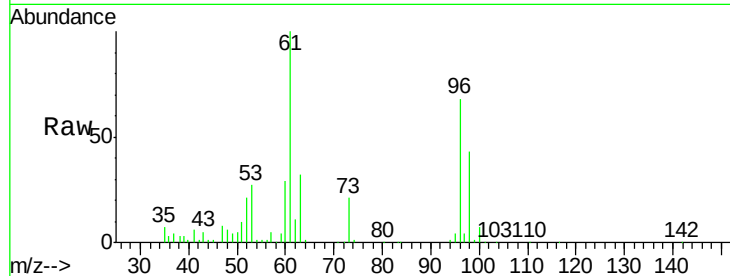
ClientSampleId :

ICVVX091019

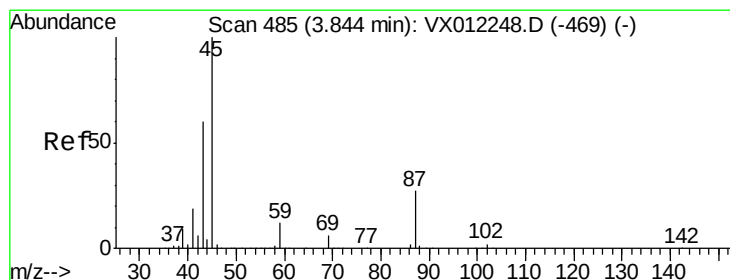
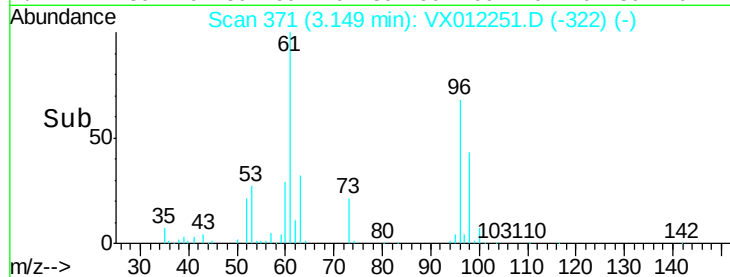
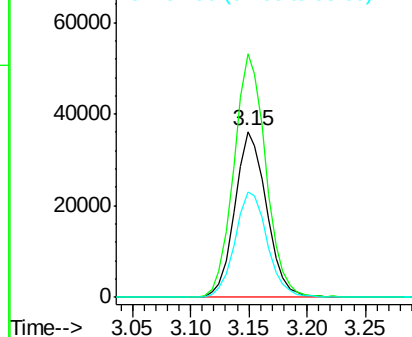
Tot Ion:	96	Resp:	68846
Ion	Ratio	Lower	Upper
96	100		
61	146.7	119.4	179.2
98	63.3	48.4	72.6

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Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 51.318 ug/l

RT: 3.84 min Scan# 484

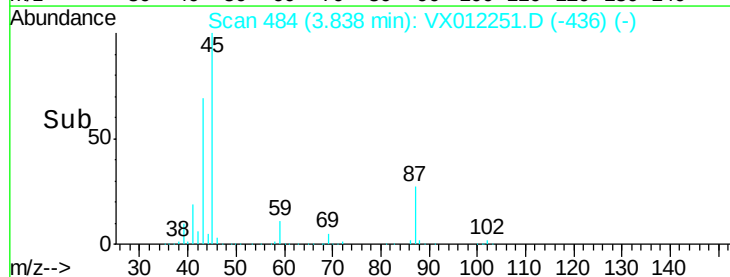
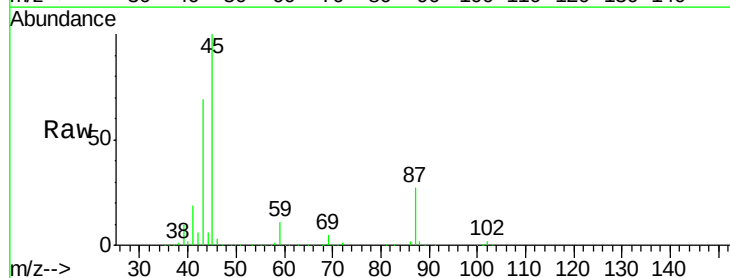
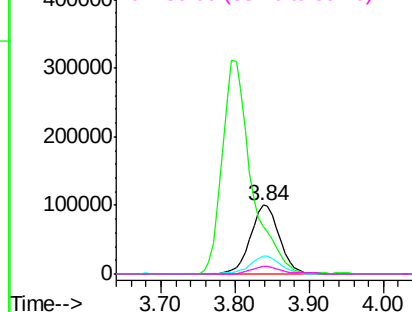
Delta R.T. -0.01 min

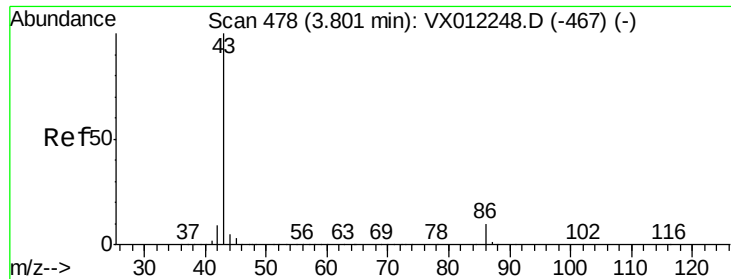
Lab File: VX012251.D

Acq: 10 Sep 2019 12:44

Tgt Ion:	45	Resp:	274272
Ion	Ratio	Lower	Upper
45	100		
43	69.3	48.3	72.5
87	27.1	21.8	32.8
59	11.5	9.1	13.7

Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 260.384 ug/l

RT: 3.80 min Scan# 477

Delta R.T. -0.01 min

Lab File: VX012251.D

Acq: 10 Sep 2019 12:44

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091019

Tot Ion: 43 Resp: 853824

Ion Ratio Lower Upper

43 100

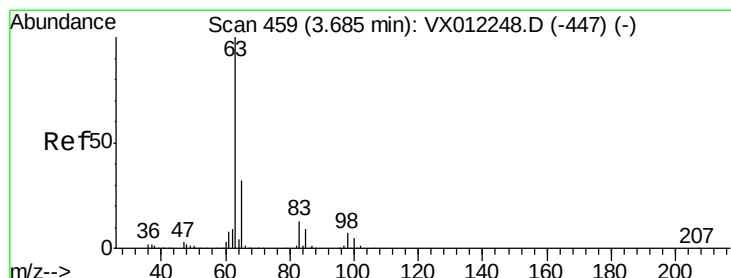
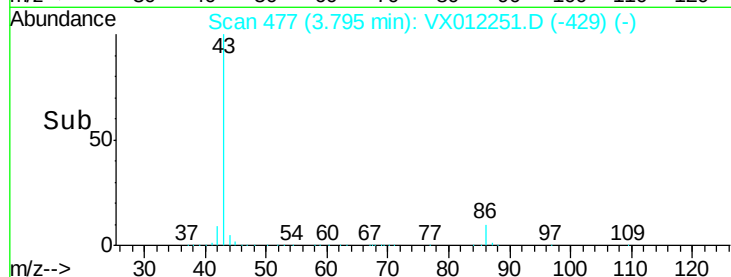
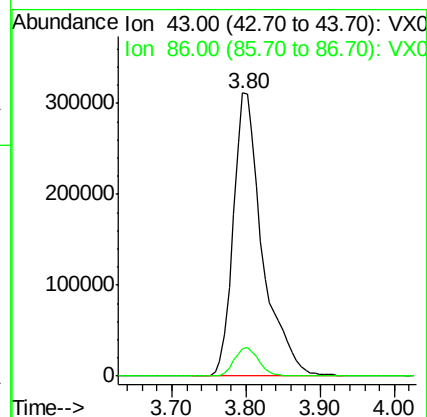
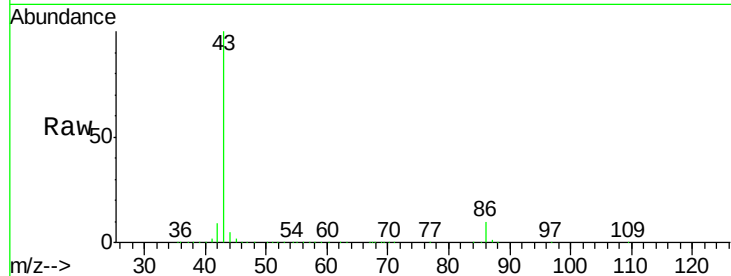
86 9.7 8.3 12.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 51.365 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX012251.D

Acq: 10 Sep 2019 12:44

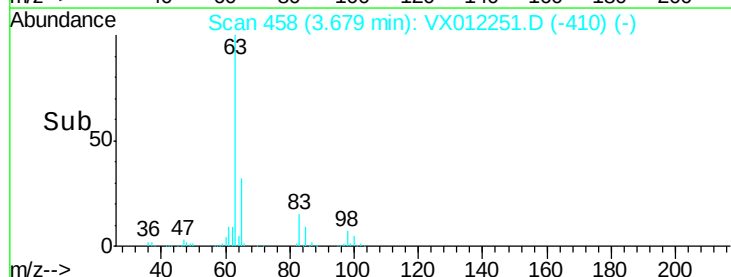
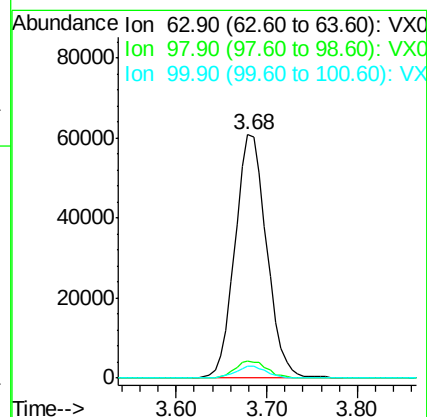
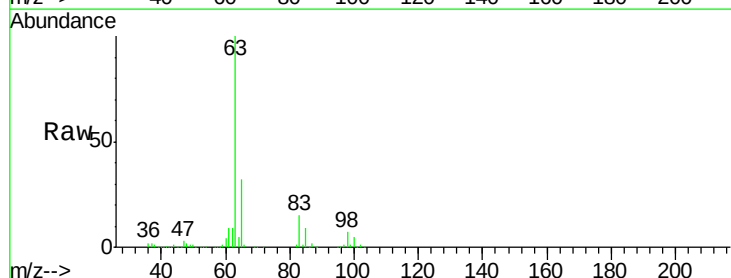
Tgt Ion: 63 Resp: 147048

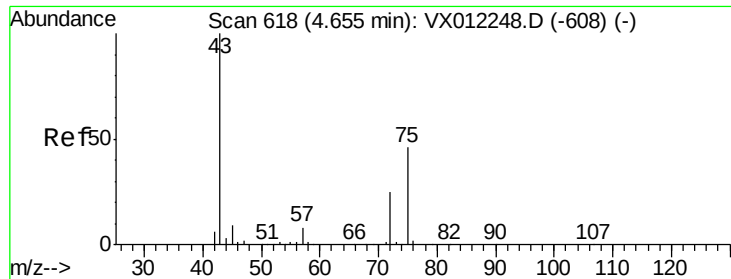
Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.1

100 5.1 2.4 7.2





#25

2-Butanone

Concen: 238.139 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX012251.D

Acq: 10 Sep 2019 12:44

Tot Ion: 43 Resp: 154341

Ion Ratio Lower Upper

43 100

72 24.7 20.2 30.2

Instrument :

MSVOA_X

ClientSampleId :

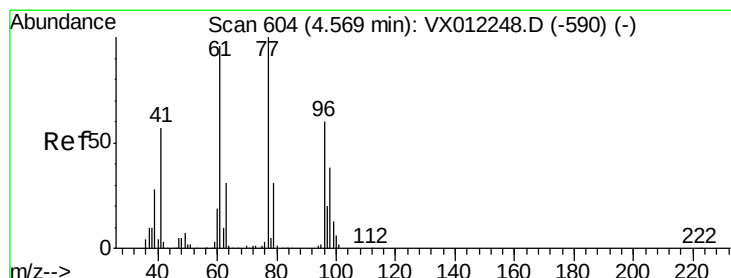
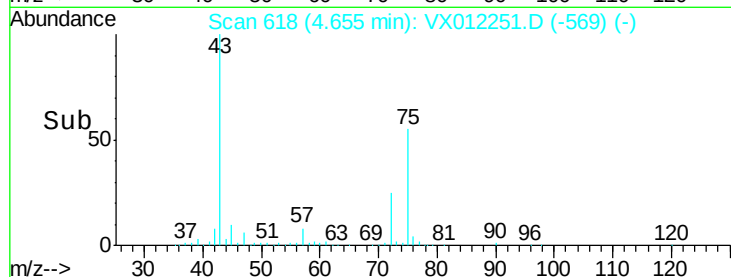
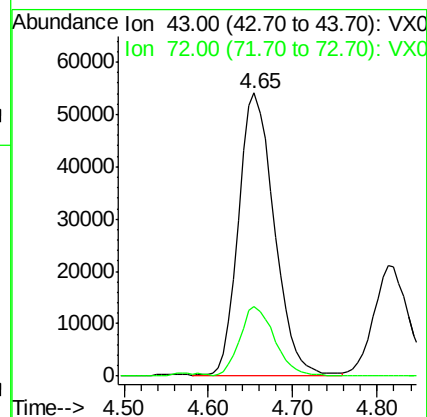
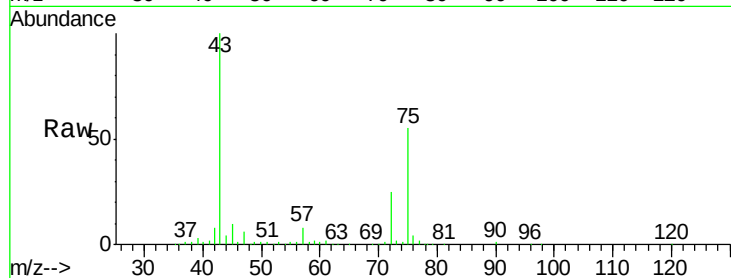
ICVVX091019

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 53.295 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX012251.D

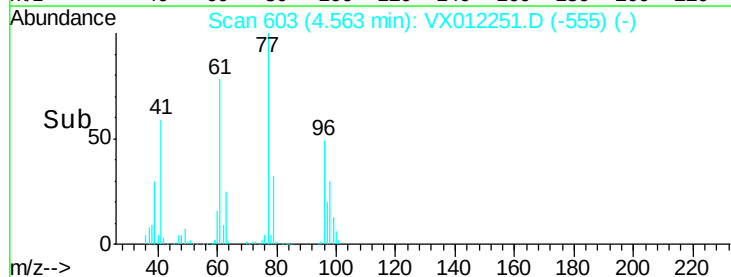
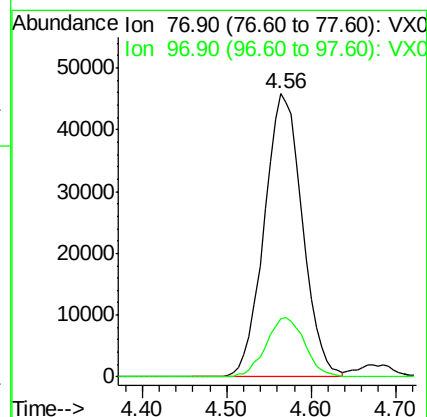
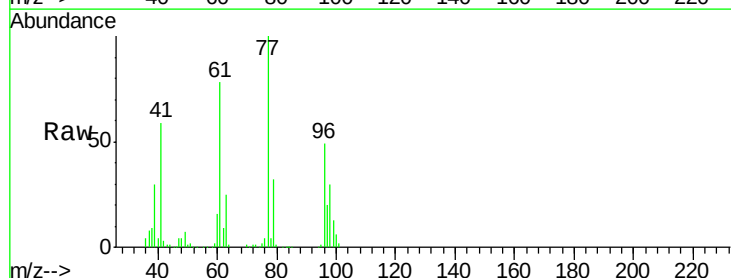
Acq: 10 Sep 2019 12:44

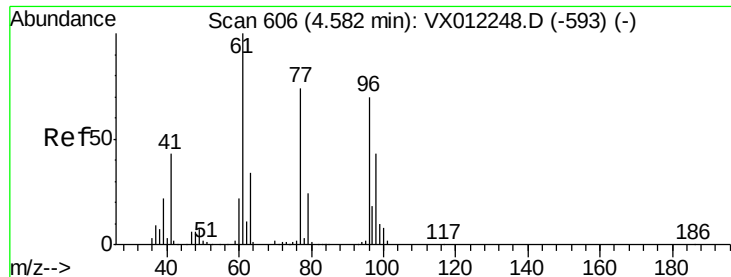
Tgt Ion: 77 Resp: 143242

Ion Ratio Lower Upper

77 100

97 21.2 10.7 32.1





#27

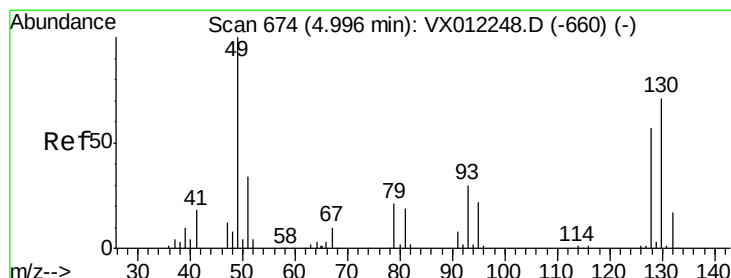
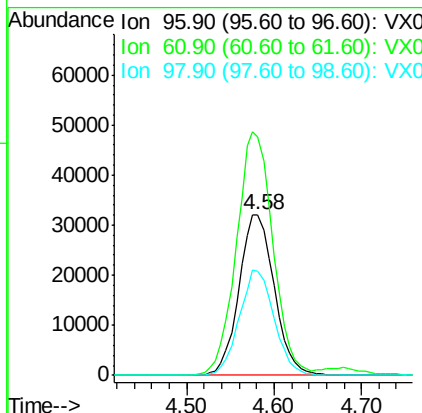
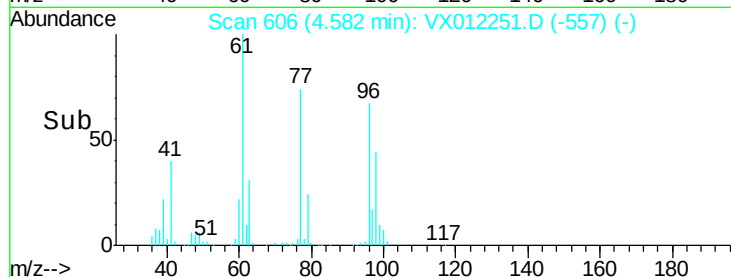
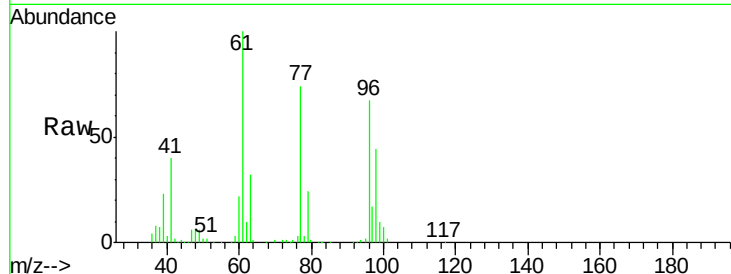
cis-1,2-Dichloroethene
 Concen: 51.064 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VX012251.D
 Acq: 10 Sep 2019 12:44

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091019

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	156.4	0.0	310.4	
98	64.6	0.0	128.8	

Manual Integrations
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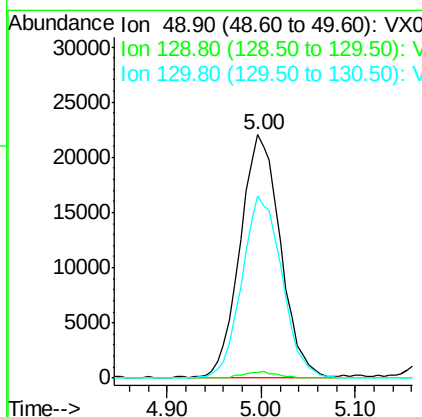
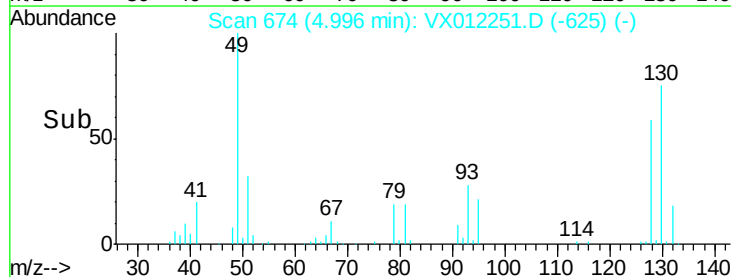
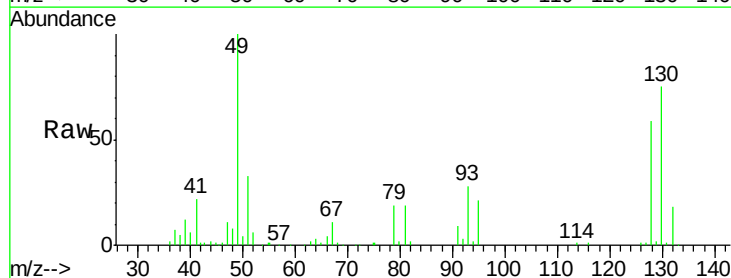
MMDadoda
 9/12/2019 9:00:41 AM

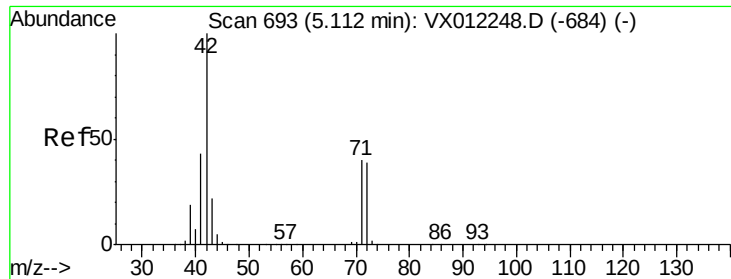


#28

Bromochloromethane
 Concen: 48.595 ug/l
 RT: 5.00 min Scan# 674
 Delta R.T. -0.00 min
 Lab File: VX012251.D
 Acq: 10 Sep 2019 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	5.2	
130	75.0	60.1	90.1	





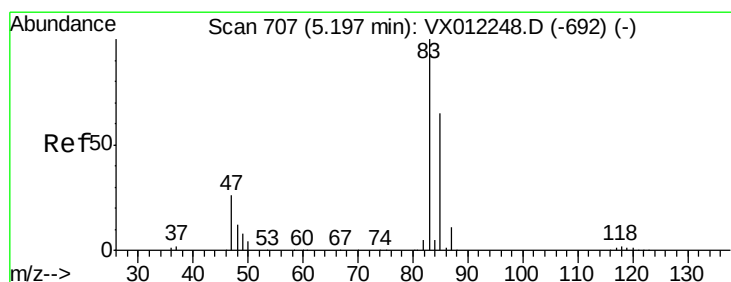
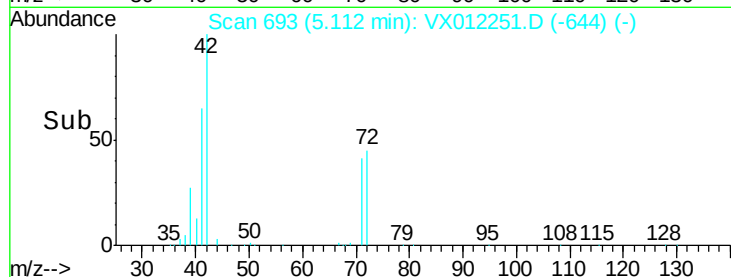
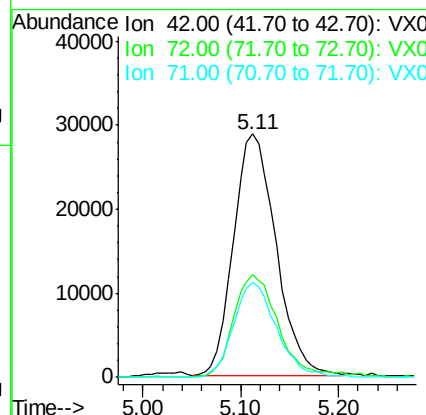
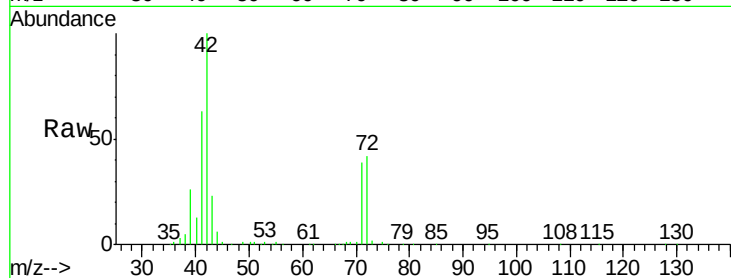
#29
Tetrahydrofuran
Concen: 247.537 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.00 min
Lab File: VX012251.D
Acq: 10 Sep 2019 12:44

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091019

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	35.2	52.8
71	40.0	32.5	48.7

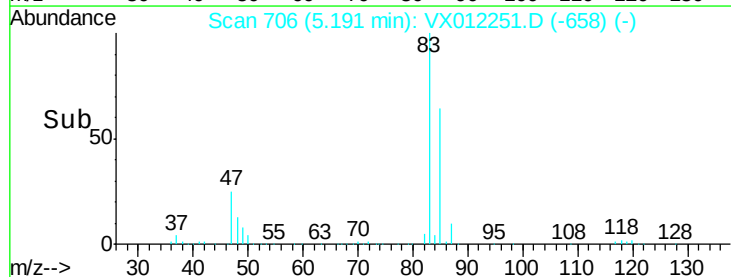
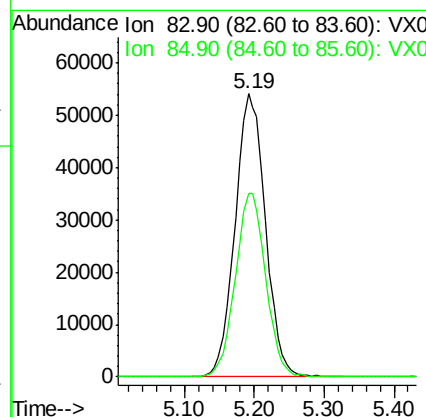
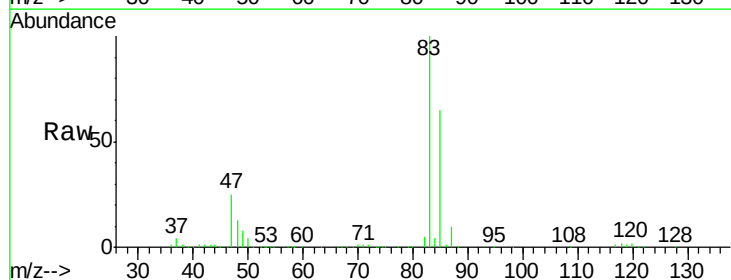
Manual Integrations
APPROVED

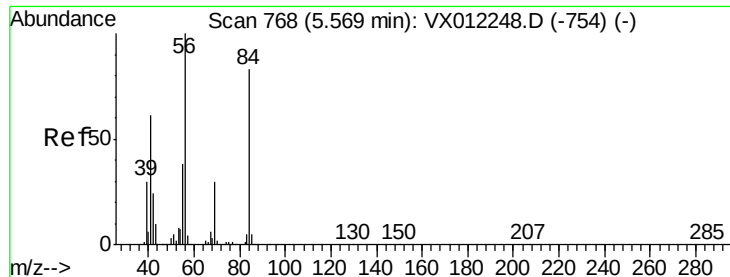
MMDadoda
9/12/2019 9:00:41 AM



#30
Chloroform
Concen: 50.364 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.01 min
Lab File: VX012251.D
Acq: 10 Sep 2019 12:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.3	78.5





#31

Cyclohexane

Concen: 51.625 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX012251.D

Acq: 10 Sep 2019 12:44

Instrument :

MSVOA_X

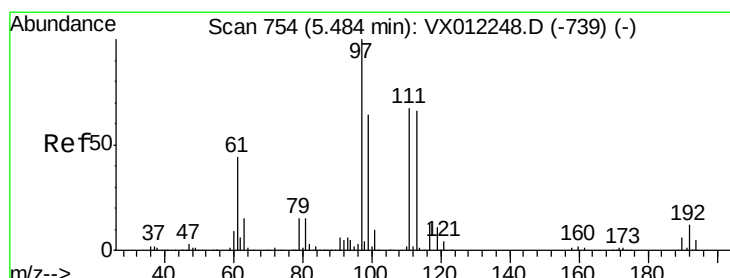
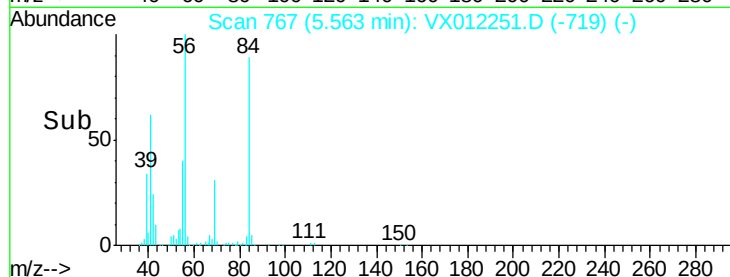
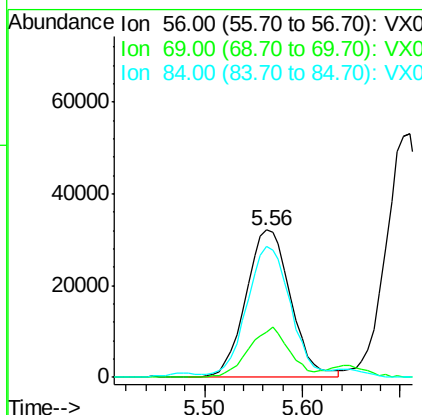
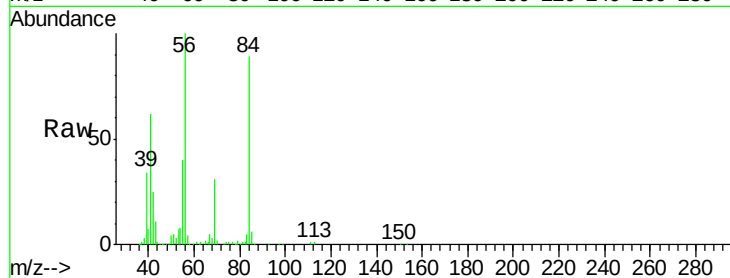
ClientSampleId :

ICVVX091019

Tot Ion:	56	Resp:	102662
Ion	Ratio	Lower	Upper
56	100		
69	31.0	23.8	35.6
84	86.3	66.6	100.0

Manual Integrations
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9/12/2019 9:00:41 AM



#32

1,1,1-Trichloroethane

Concen: 51.305 ug/l

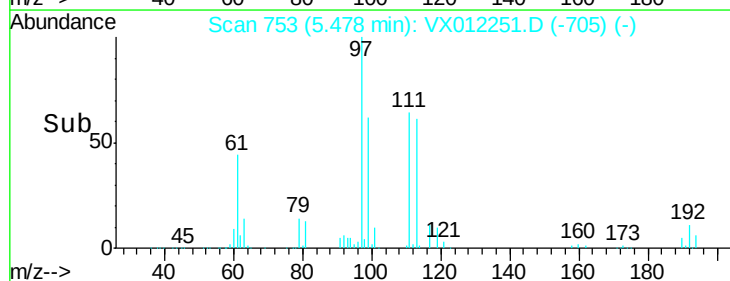
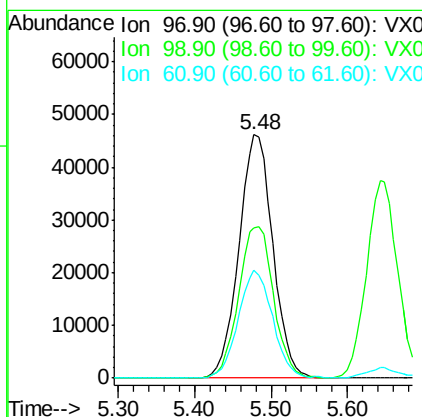
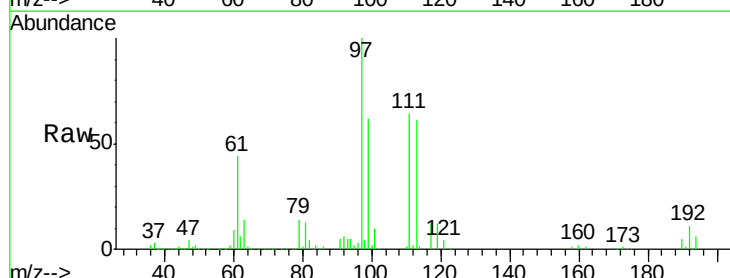
RT: 5.48 min Scan# 753

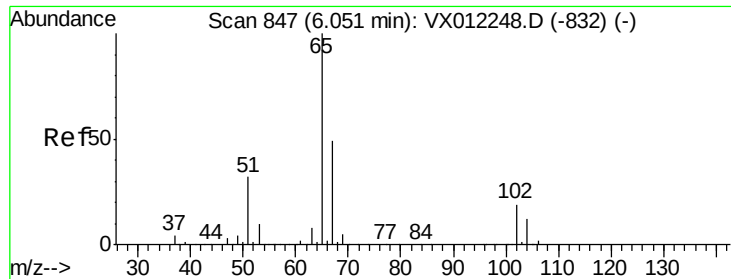
Delta R.T. -0.01 min

Lab File: VX012251.D

Acq: 10 Sep 2019 12:44

Tgt Ion:	97	Resp:	142214
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.3	76.9
61	44.7	35.4	53.0





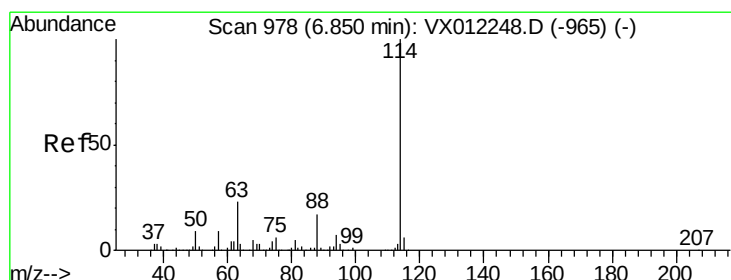
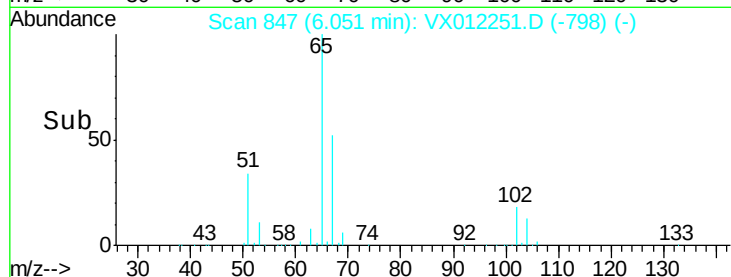
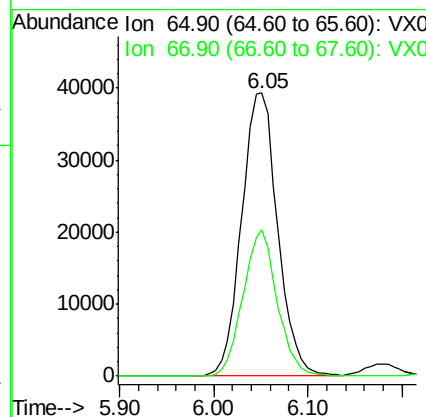
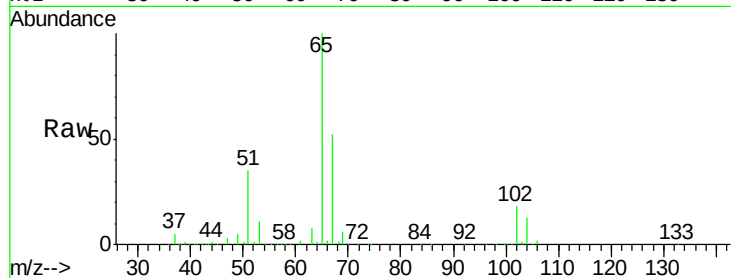
#33
 1,2-Dichloroethane-d4
 Concen: 49.212 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012251.D
 Acq: 10 Sep 2019 12:44

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091019

Tot Ion	Ratio	Resp	Lower	Upper
65	100	105395		
67	48.9	0.0	99.8	

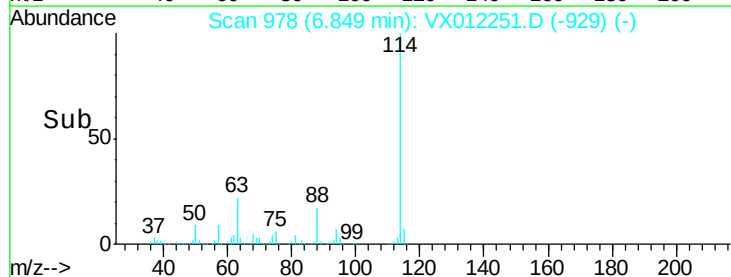
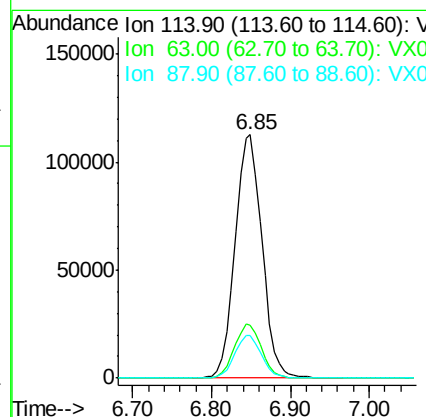
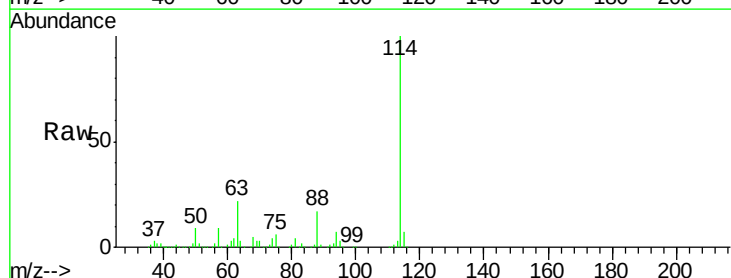
Manual Integrations
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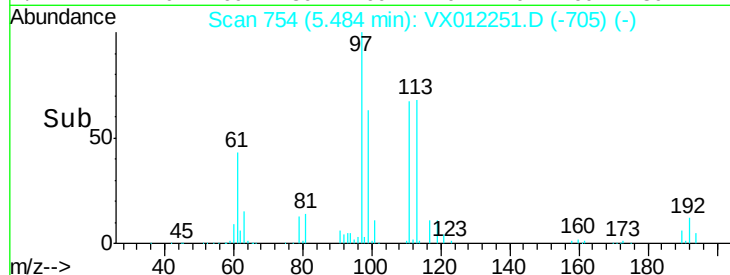
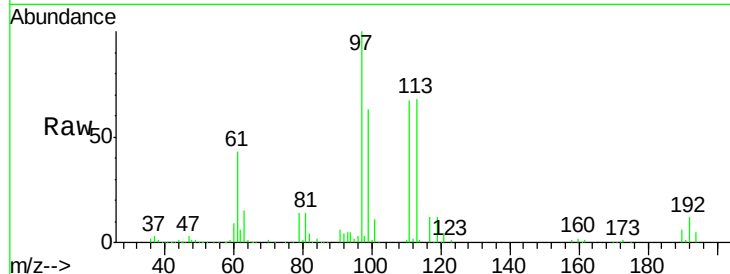
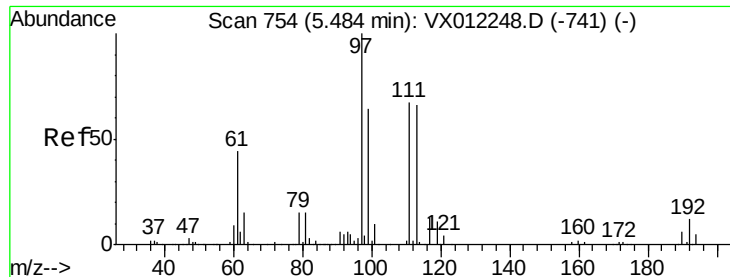
MMDadoda
 9/12/2019 9:00:41 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012251.D
 Acq: 10 Sep 2019 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	267146		
63	21.9	0.0	45.2	
88	17.4	0.0	34.8	





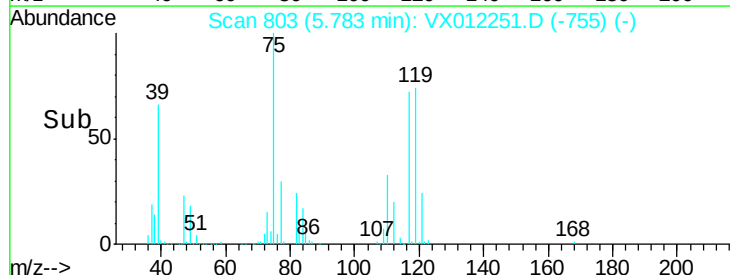
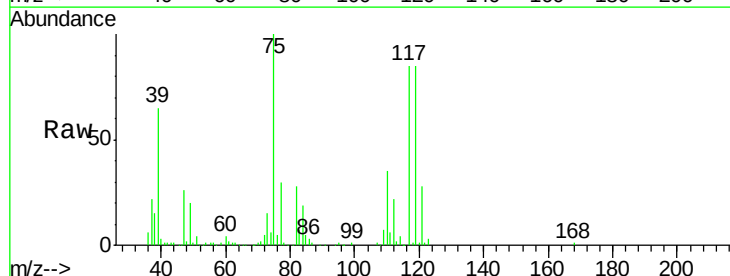
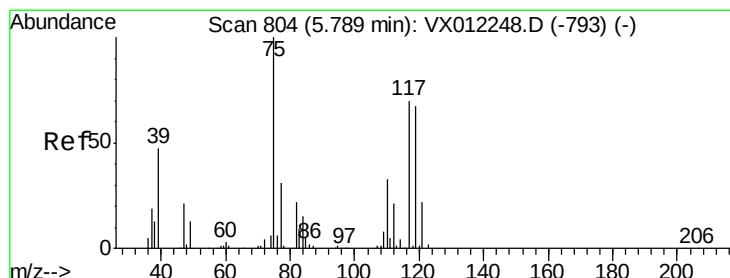
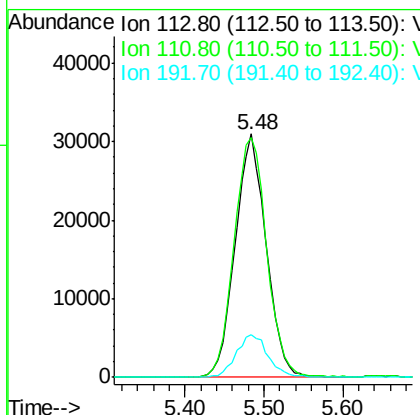
#35
Dibromofluoromethane
Concen: 49.385 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.00 min
Lab File: VX012251.D
Acq: 10 Sep 2019 12:44

Tot Ion	Ratio	Resp	Lower	Upper
113	100	84574		
111	103.8	83.0	124.6	
192	18.0	14.3	21.5	

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091019

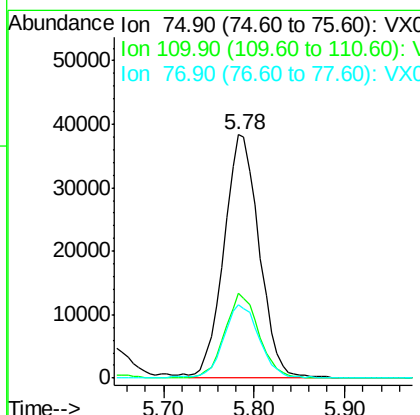
Manual Integrations
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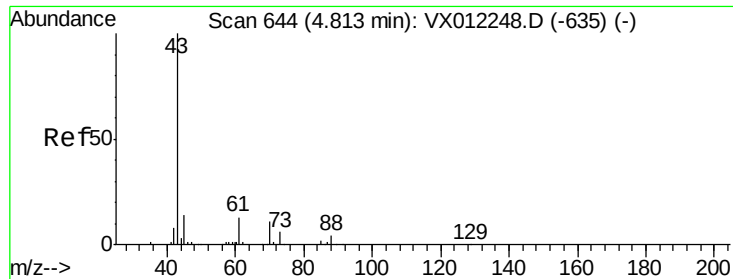
MMDadoda
9/12/2019 9:00:41 AM



#36
1,1-Dichloropropene
Concen: 52.955 ug/l
RT: 5.78 min Scan# 803
Delta R.T. -0.01 min
Lab File: VX012251.D
Acq: 10 Sep 2019 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	103153		
110	33.8	16.8	50.4	
77	31.1	24.5	36.7	





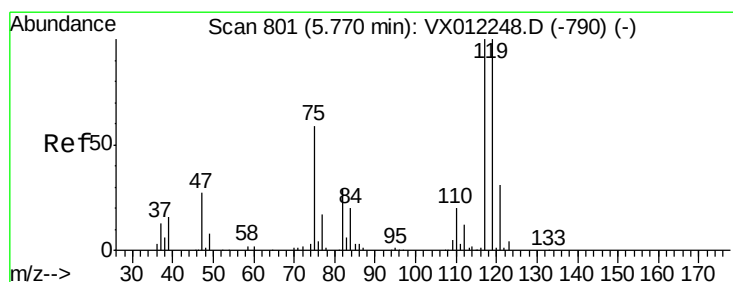
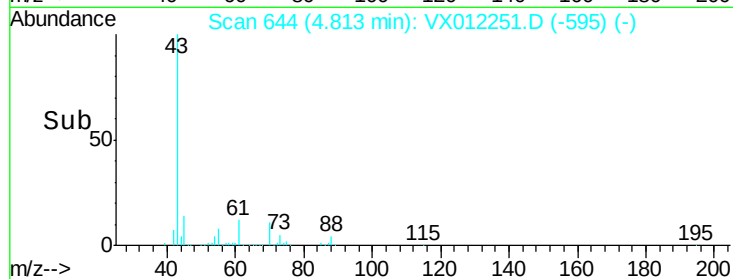
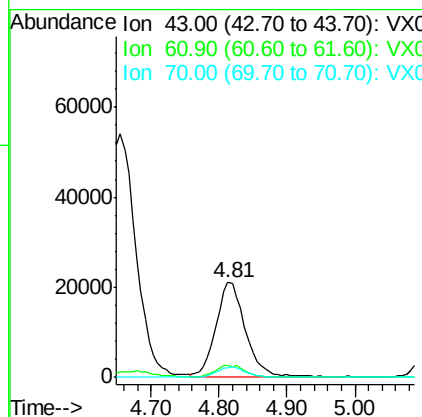
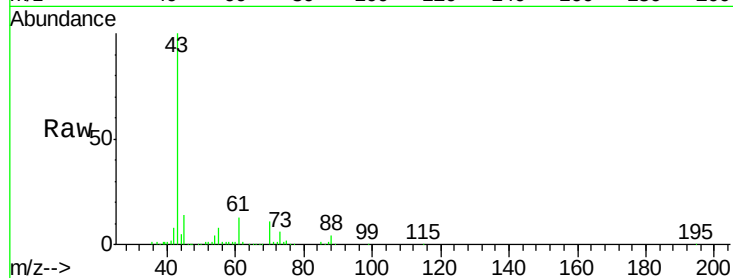
#37
Ethyl Acetate
Concen: 51.805 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.00 min
Lab File: VX012251.D
Acq: 10 Sep 2019 12:44

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091019

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.3	15.5
70	11.1	9.1	13.7

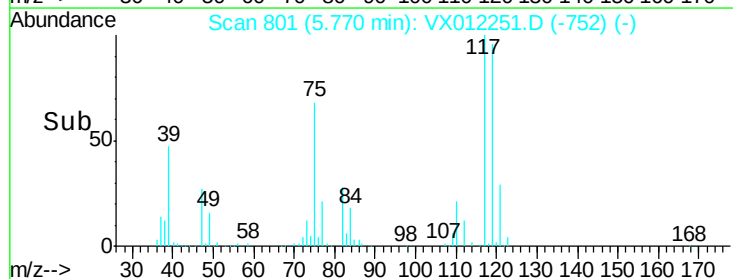
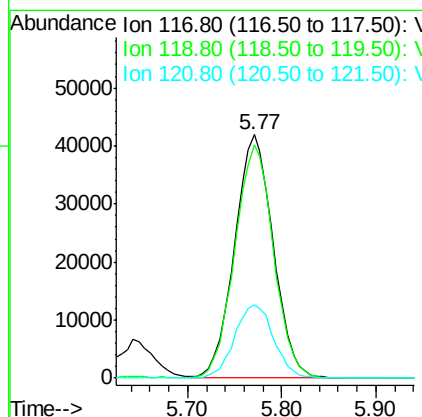
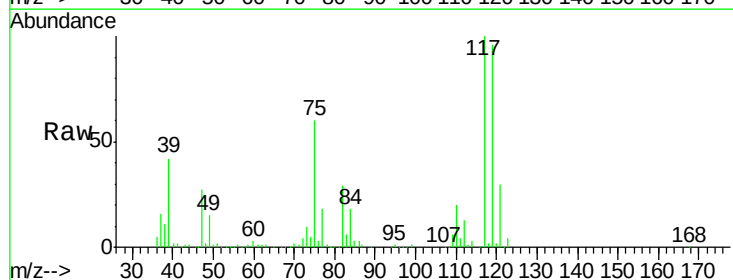
Manual Integrations
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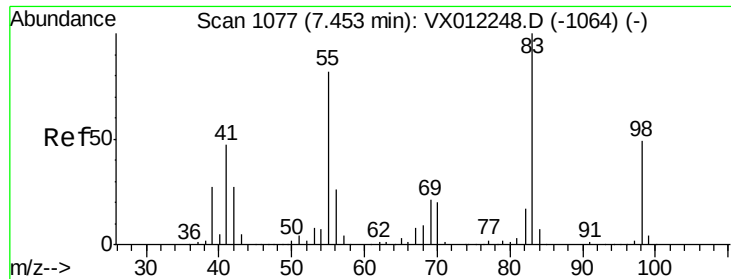
MMDadoda
9/12/2019 9:00:41 AM



#38
Carbon Tetrachloride
Concen: 52.398 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX012251.D
Acq: 10 Sep 2019 12:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	79.6	119.4
121	30.0	24.7	37.1





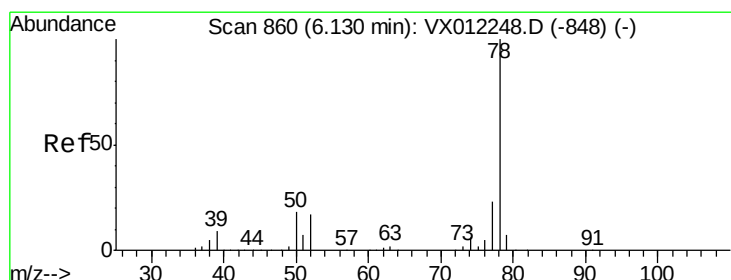
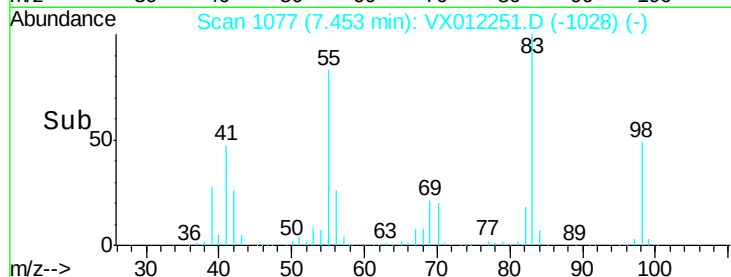
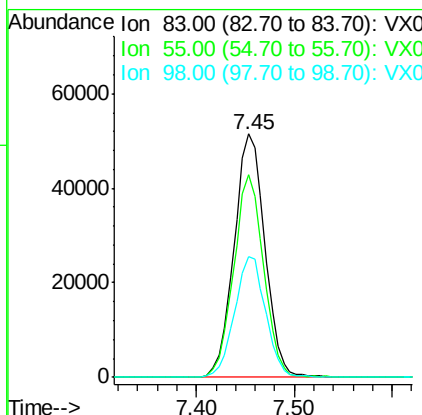
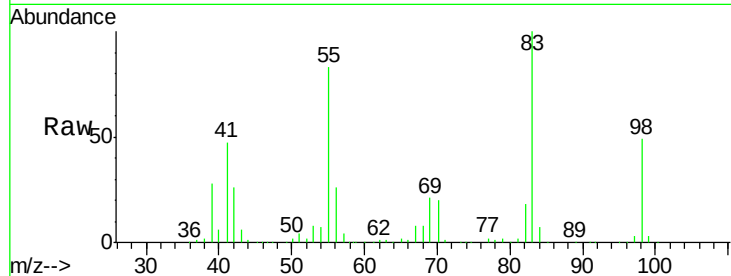
#39
Methylvlcyclohexane
Concen: 52.738 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX012251.D
Acq: 10 Sep 2019 12:44

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091019

Tot Ion	83	Resp	112739
Ion Ratio	Lower	Upper	
83	100		
55	83.3	65.4	98.2
98	49.5	39.6	59.4

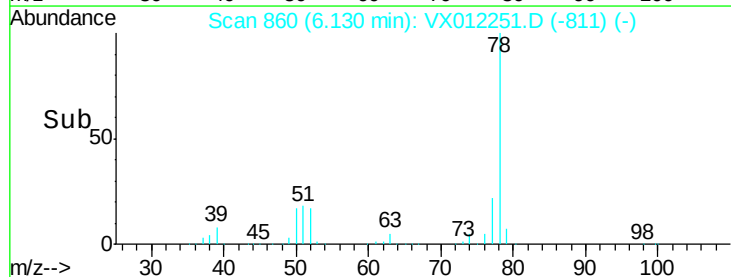
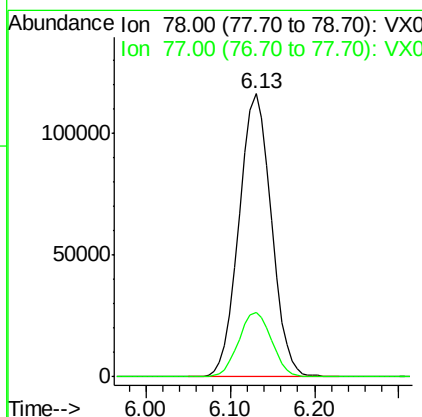
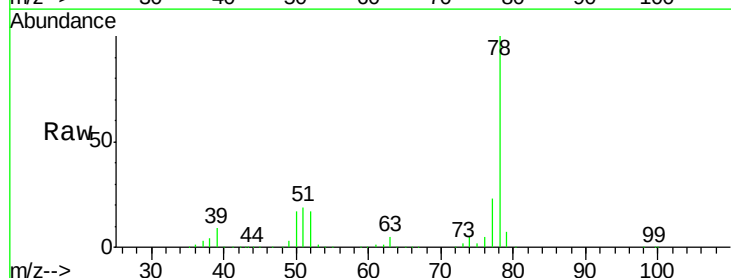
Manual Integrations
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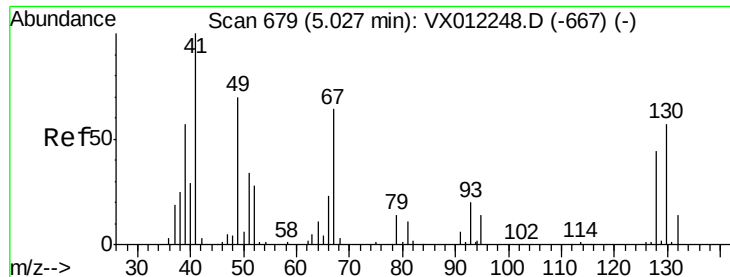
MMDadoda
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#40
Benzene
Concen: 51.310 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012251.D
Acq: 10 Sep 2019 12:44

Tgt Ion	78	Resp	302501
Ion Ratio	Lower	Upper	
78	100		
77	22.8	18.0	27.0





#41

Methacrylonitrile

Concen: 50.248 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.00 min

Lab File: VX012251.D

Acq: 10 Sep 2019 12:44

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091019

Tot Ion: 41 Resp: 37301

Ion Ratio Lower Upper

41 100

39 63.9 49.0 73.4

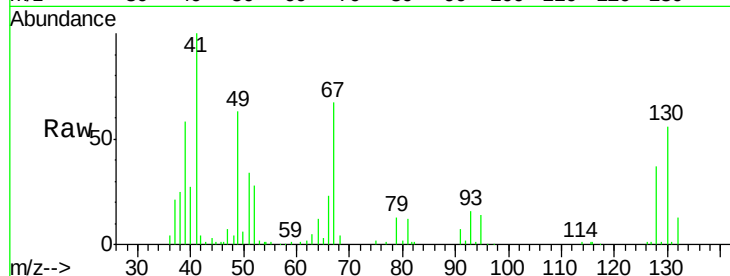
67 66.9 55.0 82.4

52 32.6 25.4 38.0

Manual Integrations
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9/12/2019 9:00:41 AM

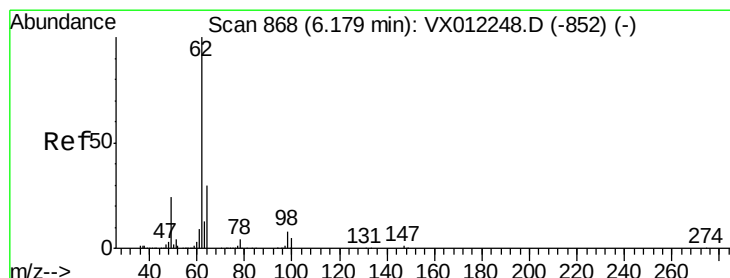
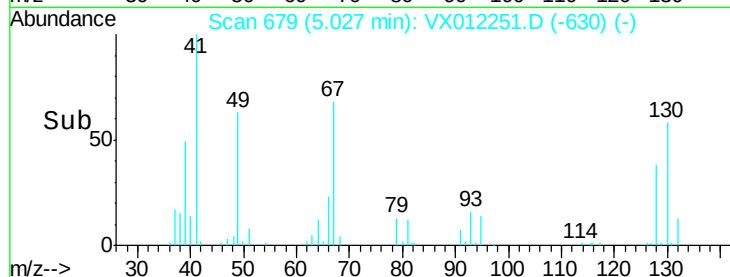
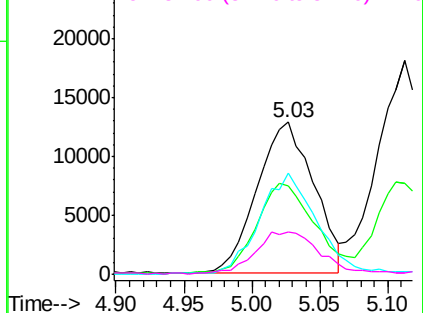


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 50.525 ug/l

RT: 6.18 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX012251.D

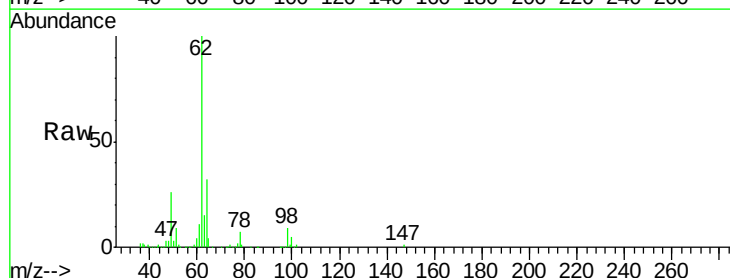
Acq: 10 Sep 2019 12:44

Tgt Ion: 62 Resp: 117729

Ion Ratio Lower Upper

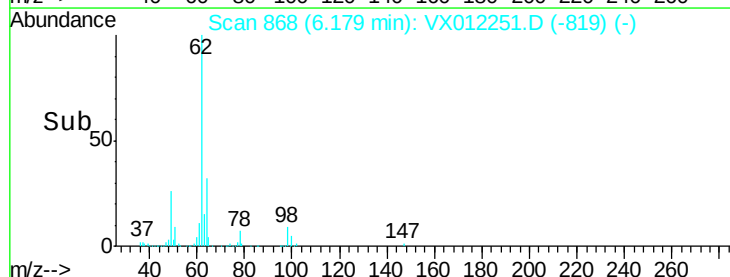
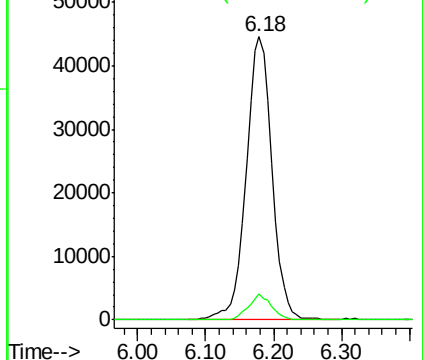
62 100

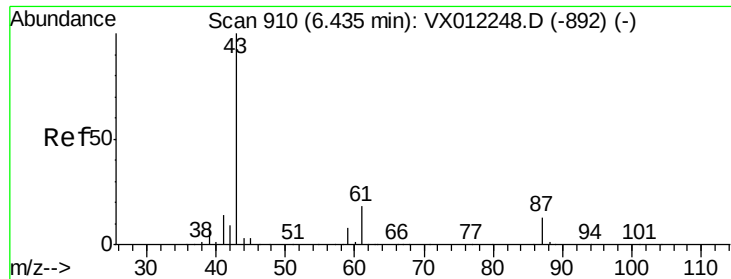
98 8.3 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 50.158 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX012251.D

Acq: 10 Sep 2019 12:44

Instrument :

MSVOA_X

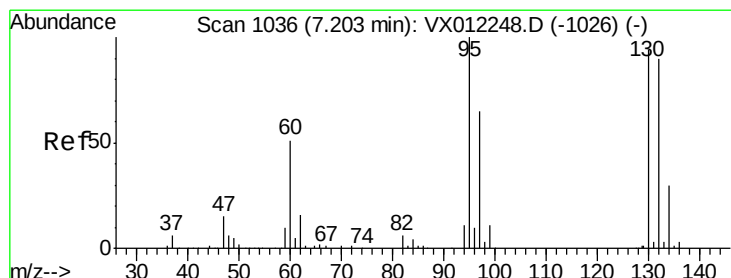
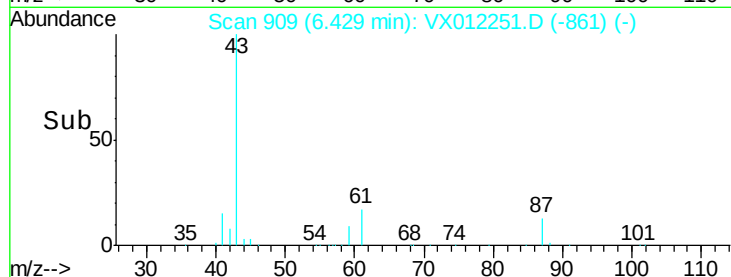
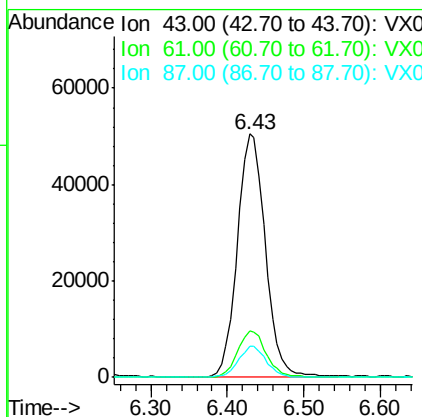
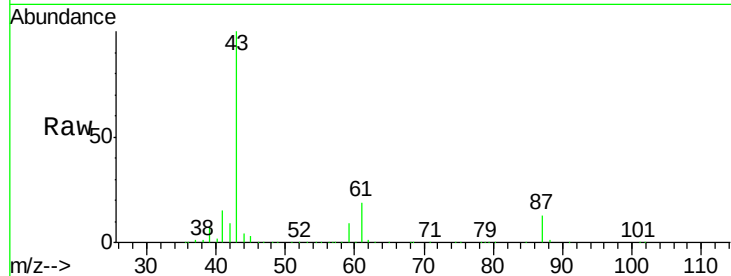
ClientSampleId :

ICVVX091019

Tot Ion:	43	Resp:	127337
Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.4	23.2
87	12.9	10.5	15.7

Manual Integrations
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9/12/2019 9:00:41 AM



#44

Trichloroethene

Concen: 51.591 ug/l

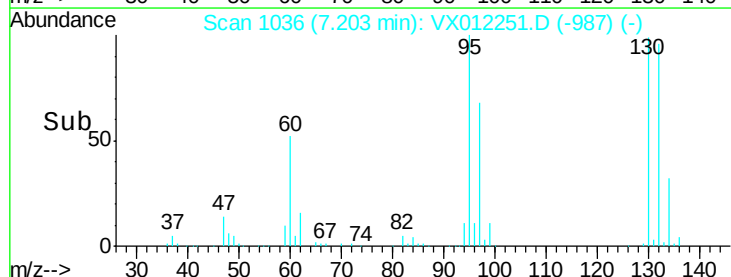
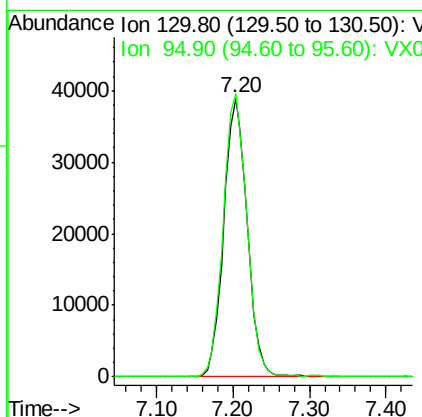
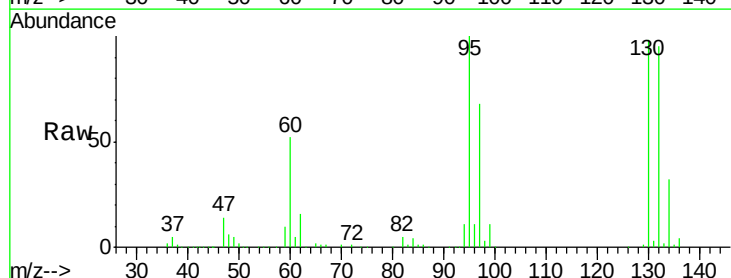
RT: 7.20 min Scan# 1036

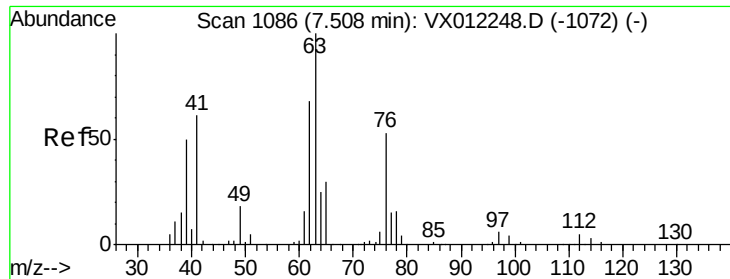
Delta R.T. -0.00 min

Lab File: VX012251.D

Acq: 10 Sep 2019 12:44

Tgt Ion:	130	Resp:	82314
Ion	Ratio	Lower	Upper
130	100		
95	101.6	0.0	212.0





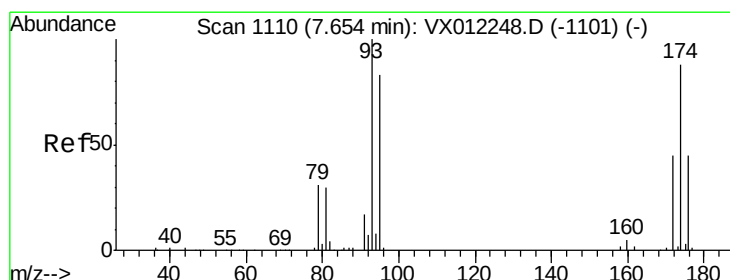
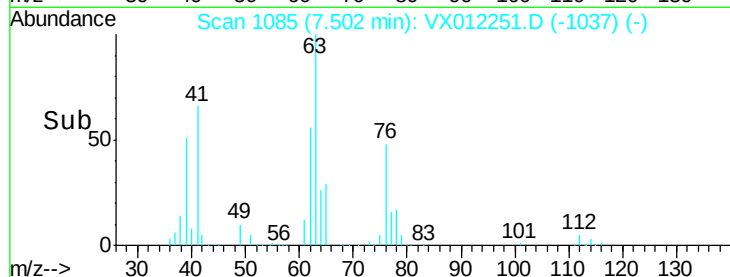
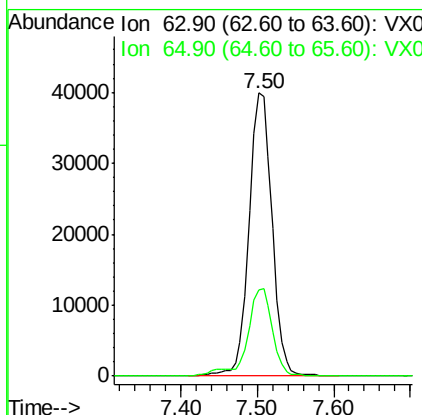
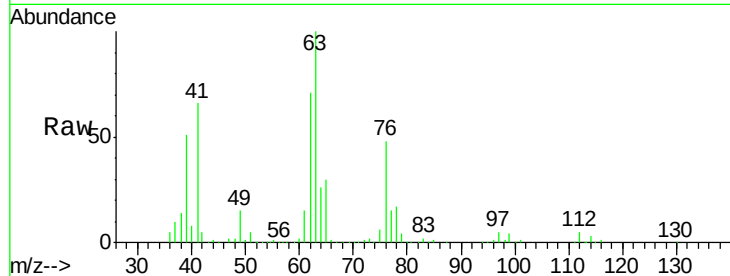
#45
 1,2-Dichloropropane
 Concen: 51.618 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX012251.D
 Acq: 10 Sep 2019 12:44

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091019

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.3	36.5

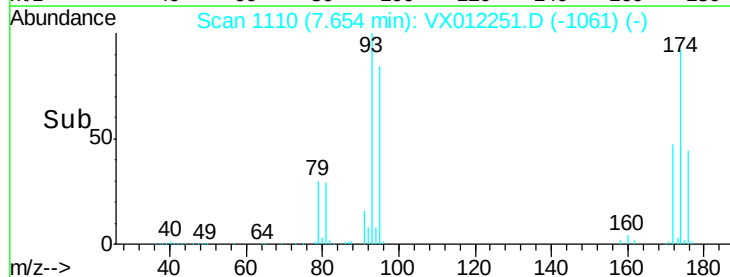
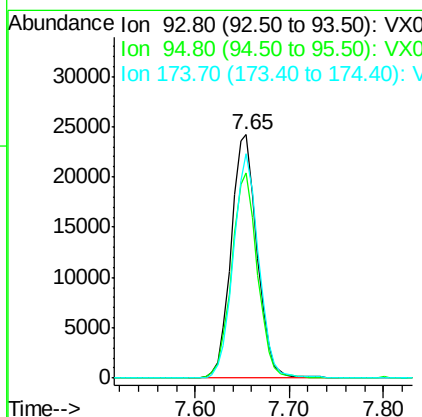
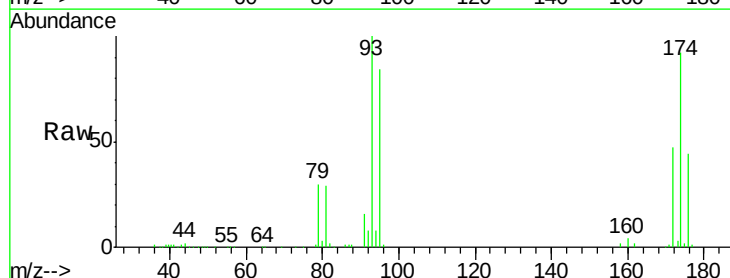
Manual Integrations
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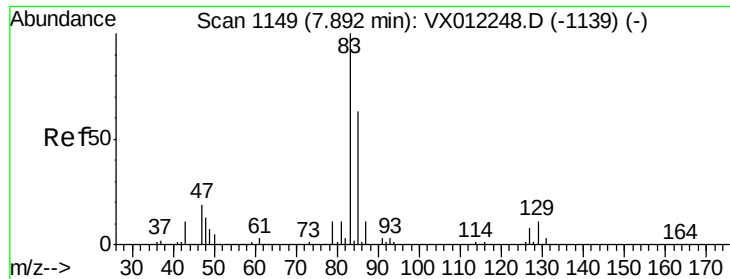
MMDadoda
 9/12/2019 9:00:41 AM



#46
 Dibromomethane
 Concen: 52.130 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX012251.D
 Acq: 10 Sep 2019 12:44

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	65.7	98.5
174	89.9	71.0	106.4





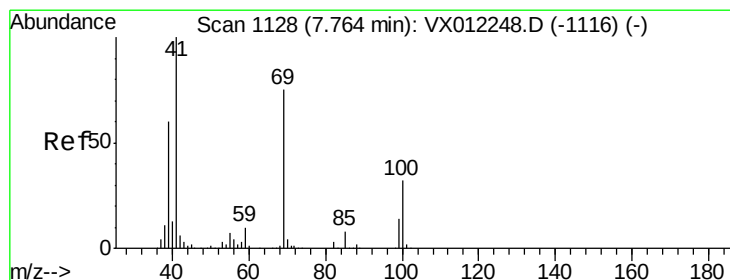
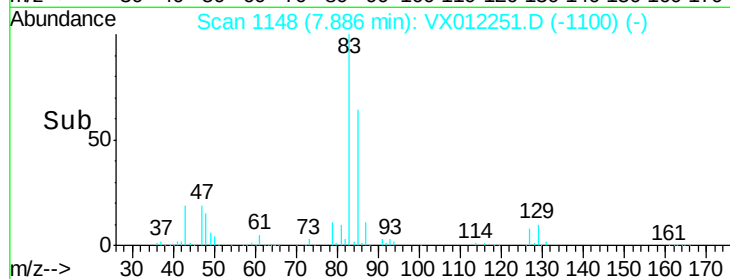
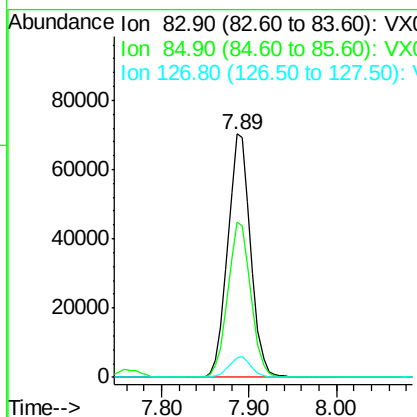
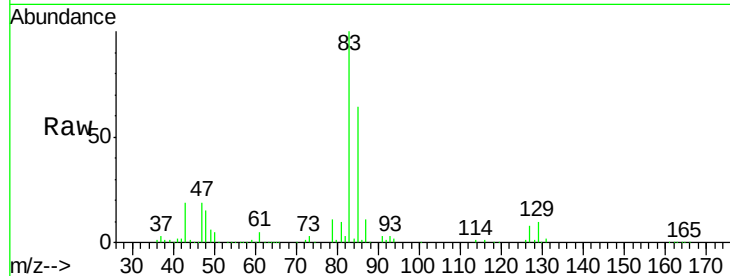
#47
Bromodichloromethane
Concen: 52.426 ug/l
RT: 7.89 min Scan# 1148
Delta R.T. -0.01 min
Lab File: VX012251.D
Acq: 10 Sep 2019 12:44

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091019

Tot Ion	Ratio	Resp	Lower	Upper
83	100	127603		
85	63.6		50.2	75.4
127	7.9		6.3	9.5

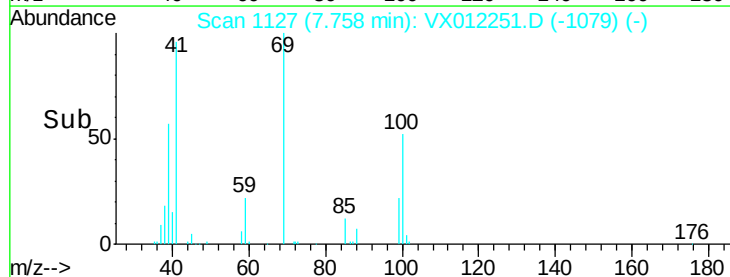
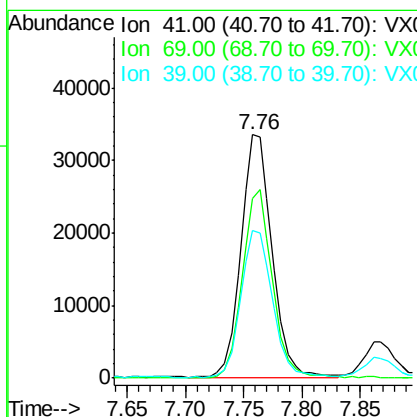
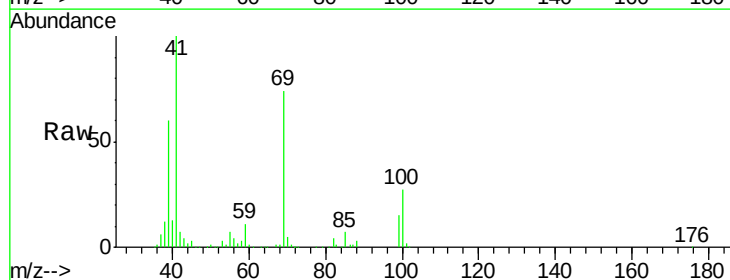
Manual Integrations
APPROVED

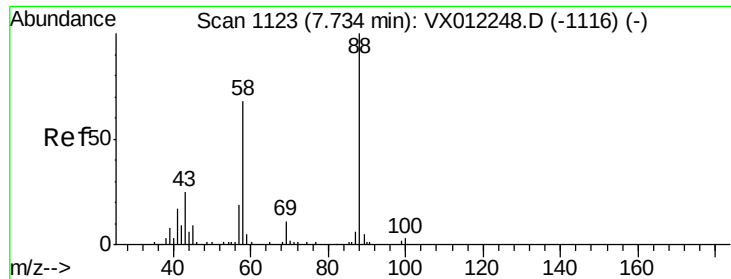
MMDadoda
9/12/2019 9:00:41 AM



#48
Methyl methacrylate
Concen: 51.032 ug/l
RT: 7.76 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX012251.D
Acq: 10 Sep 2019 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	62012		
69	75.2		61.8	92.6
39	61.8		48.6	73.0





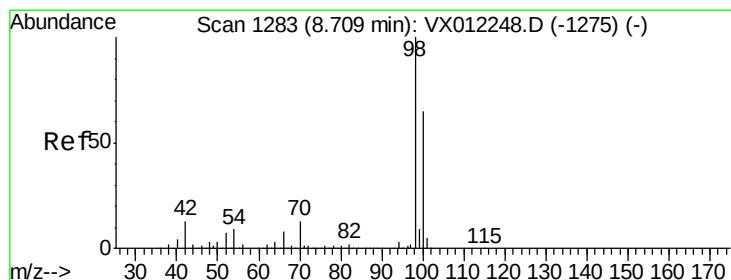
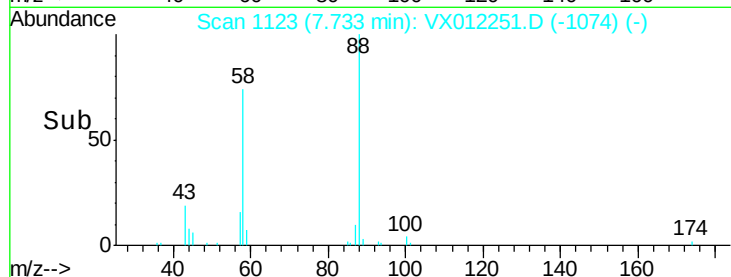
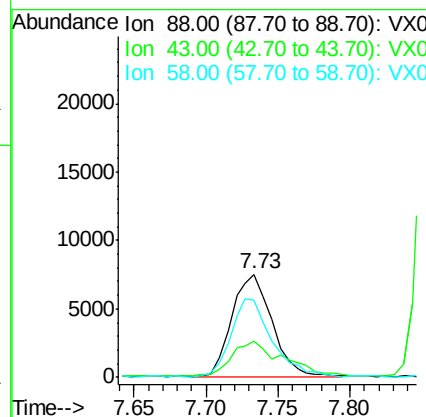
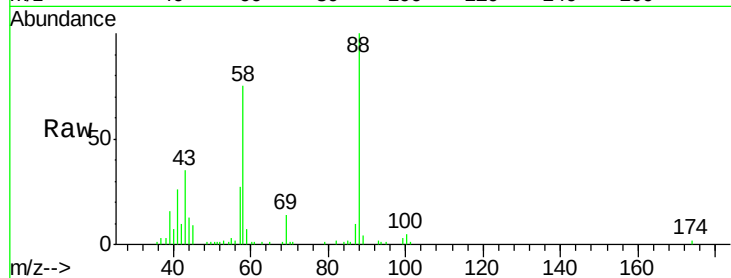
#49
1,4-Dioxane
Concen: 904.721 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX012251.D
Acq: 10 Sep 2019 12:44

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091019

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.2	31.0	46.4
58	75.6	61.5	92.3

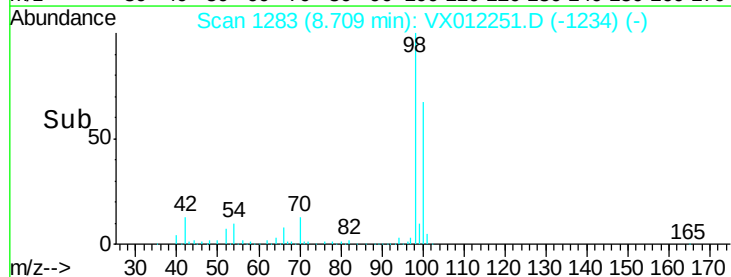
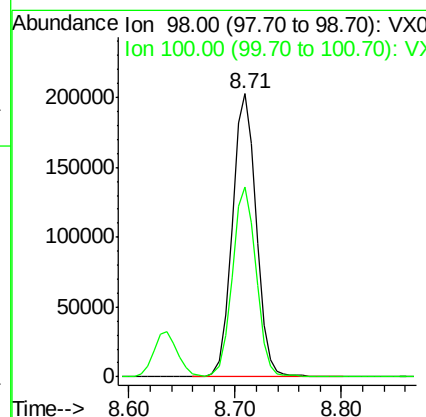
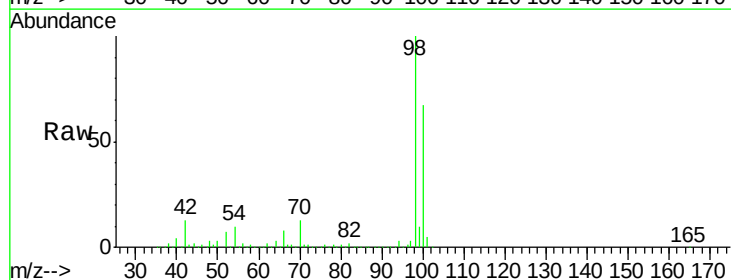
Manual Integrations
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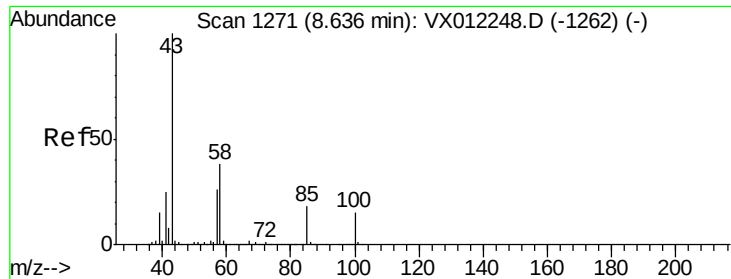
MMDadoda
9/12/2019 9:00:41 AM



#50
Toluene-d8
Concen: 53.272 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012251.D
Acq: 10 Sep 2019 12:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	54.1	81.1





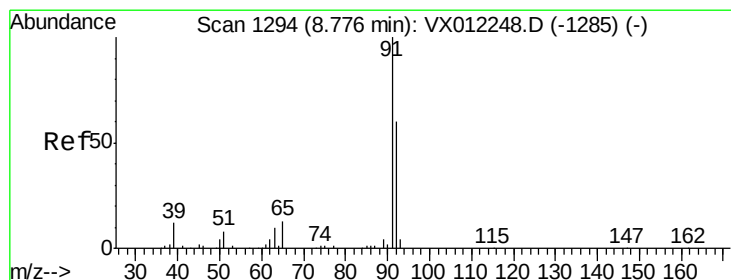
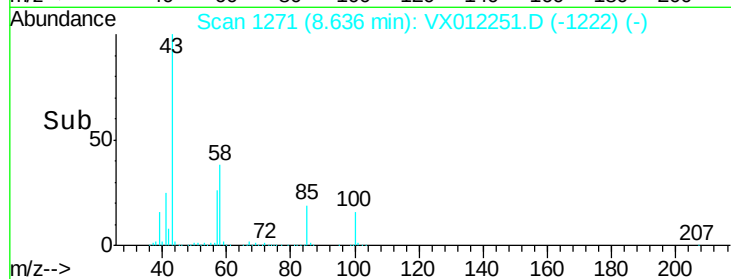
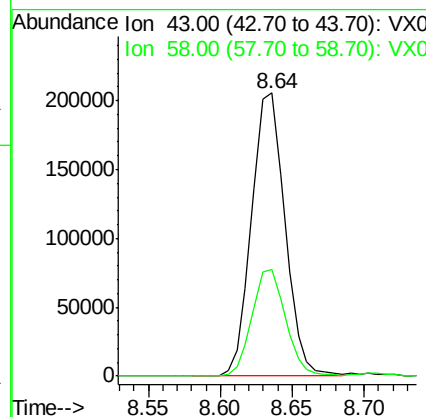
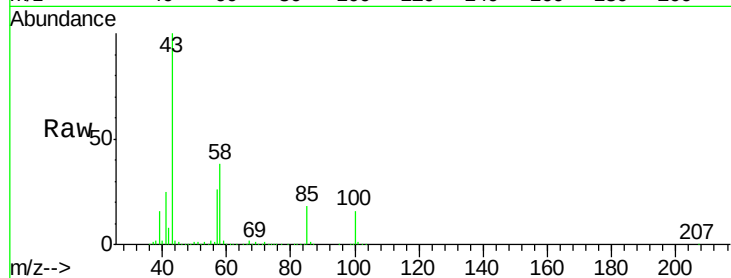
#51
 4-Methyl-2-Pentanone
 Concen: 245.235 ug/l
 RT: 8.64 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VX012251.D
 Acq: 10 Sep 2019 12:44

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091019

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.0	30.1	45.1

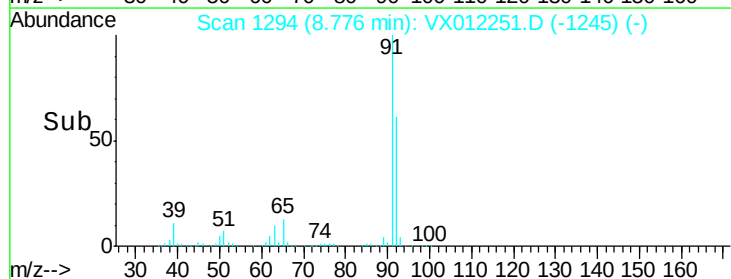
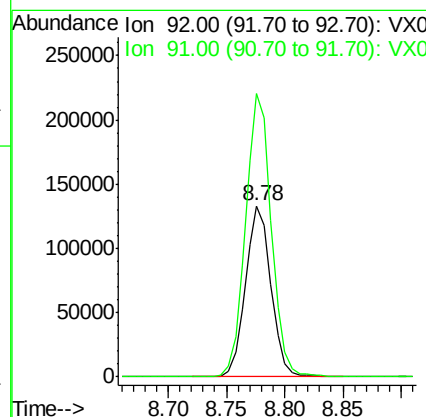
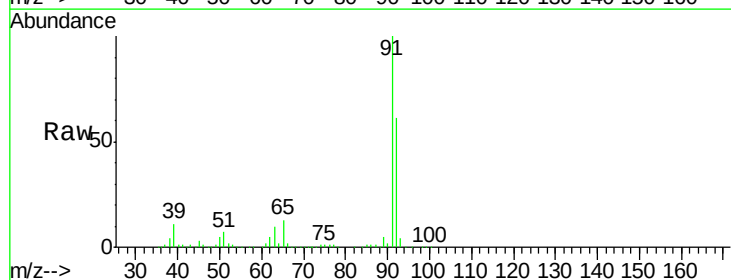
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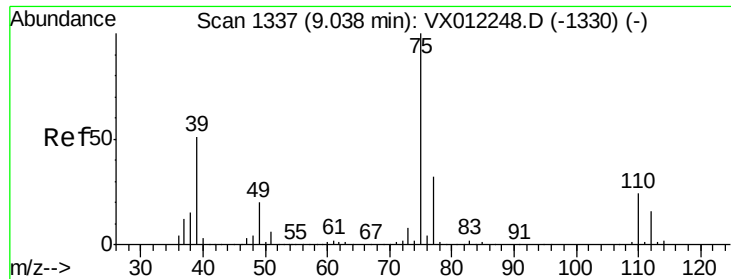
MMDadoda
 9/12/2019 9:00:41 AM



#52
 Toluene
 Concen: 52.101 ug/l
 RT: 8.78 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX012251.D
 Acq: 10 Sep 2019 12:44

Tgt Ion	Ratio	Lower	Upper
92	100		
91	167.4	133.6	200.4





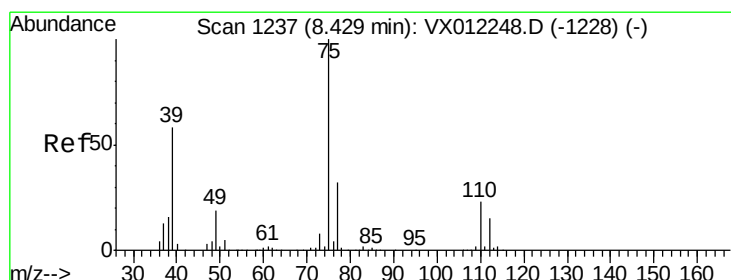
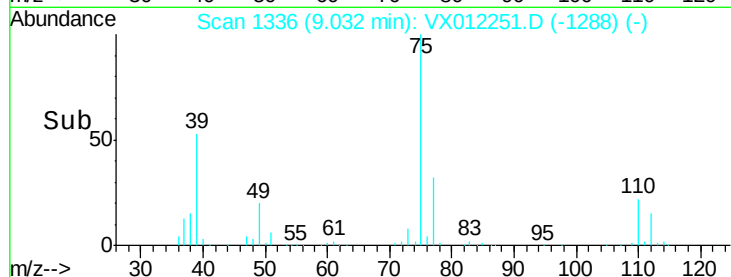
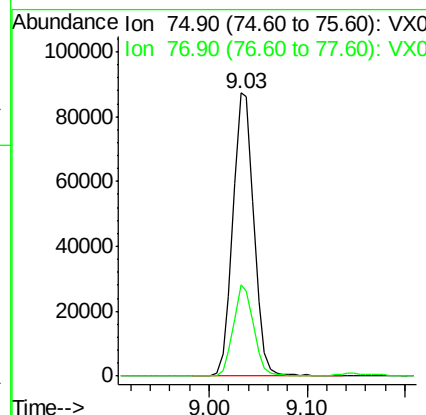
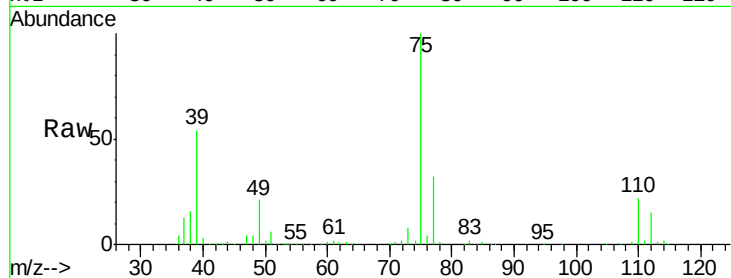
#53
 t-1,3-Dichloropropene
 Concen: 53.654 ug/l
 RT: 9.03 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: VX012251.D
 Acq: 10 Sep 2019 12:44

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091019

Tot Ion	Ratio	Resp	Lower	Upper
75	100	130341		
77	32.2	25.8	38.6	

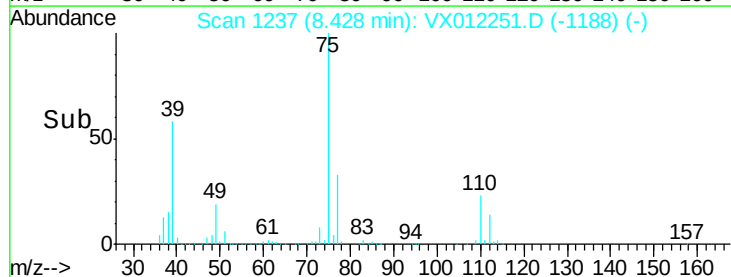
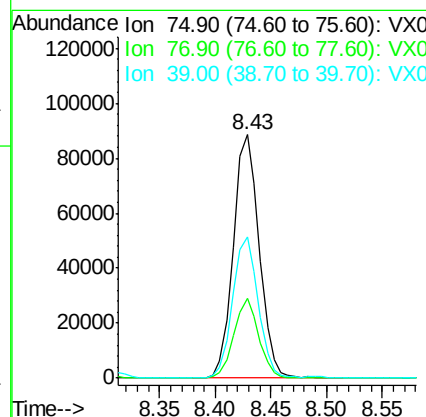
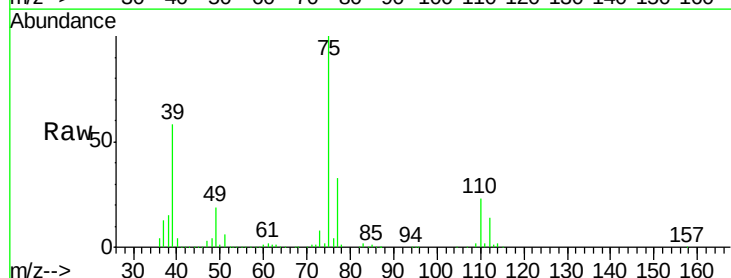
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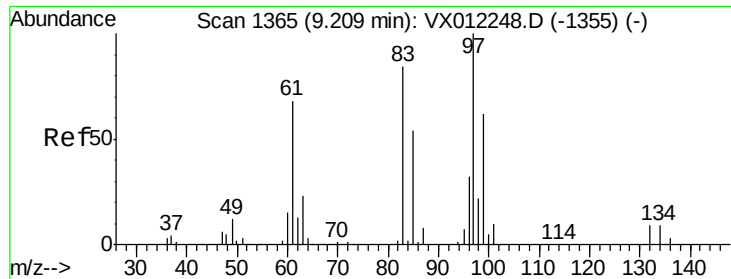
MMDadoda
 9/12/2019 9:00:41 AM



#54
 cis-1,3-Dichloropropene
 Concen: 52.832 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX012251.D
 Acq: 10 Sep 2019 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	142320		
77	33.0	25.4	38.2	
39	57.8	46.5	69.7	





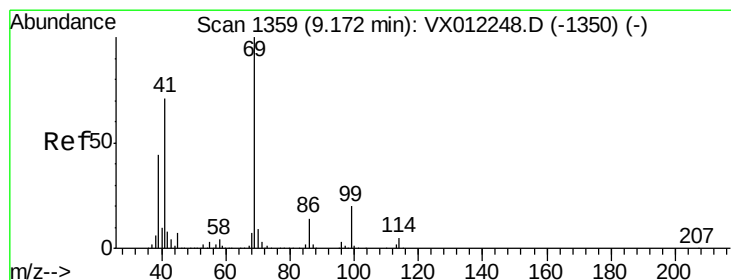
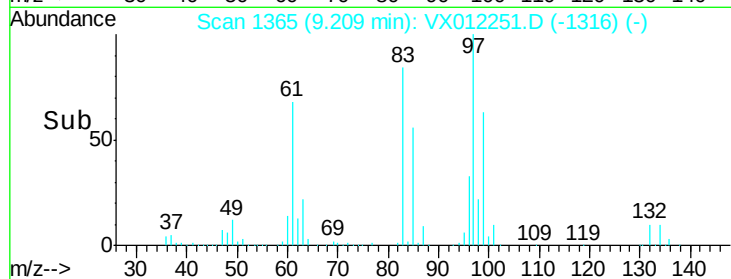
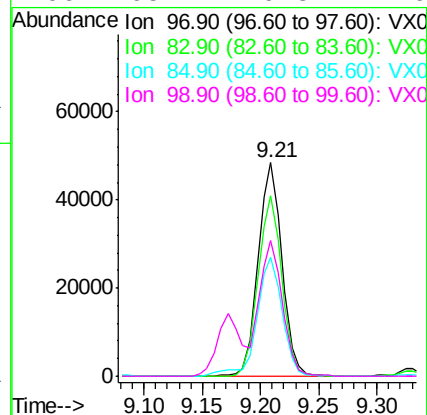
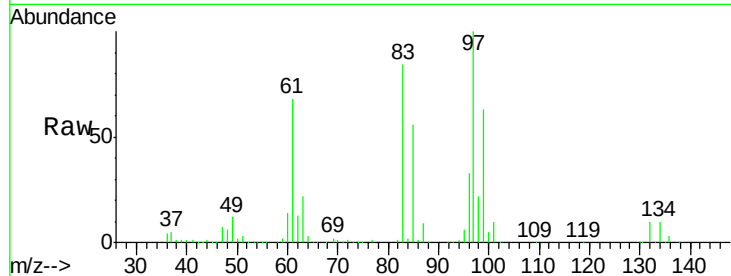
#55
 1,1,2-Trichloroethane
 Concen: 50.171 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012251.D
 Acq: 10 Sep 2019 12:44

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		69325		
83	84.4	67.4	101.2		
85	55.9	43.4	65.2		
99	63.2	49.8	74.6		

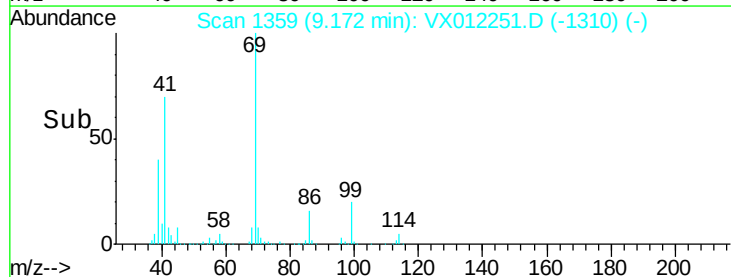
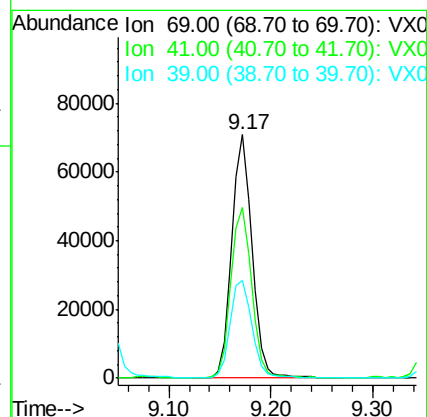
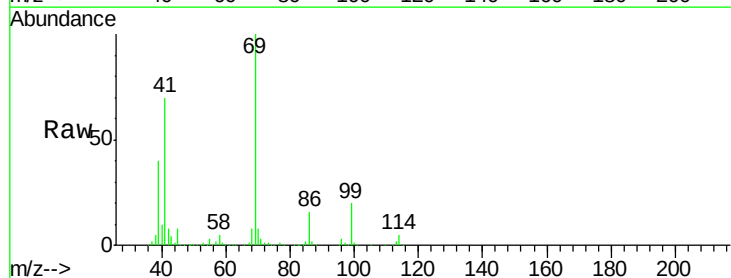
Manual Integrations
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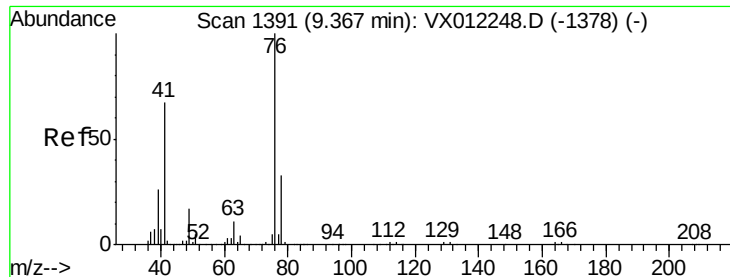
MMDadoda
 9/12/2019 9:00:41 AM



#56
 Ethyl methacrylate
 Concen: 52.156 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012251.D
 Acq: 10 Sep 2019 12:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		97577		
41	71.8	57.7	86.5		
39	42.0	34.0	51.0		





#57

1,3-Dichloropropane

Concen: 51.131 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX012251.D

Acq: 10 Sep 2019 12:44

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091019

Tot Ion: 76 Resp: 120668

Ion Ratio Lower Upper

76 100

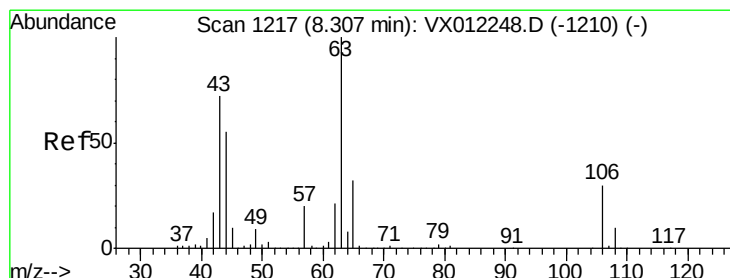
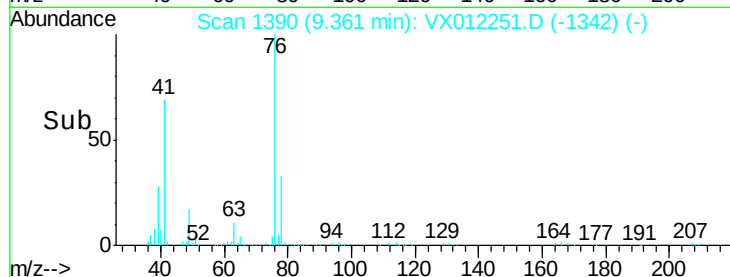
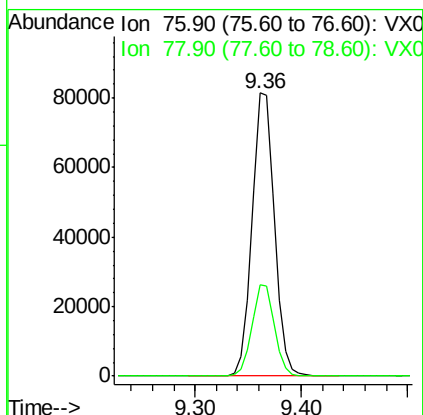
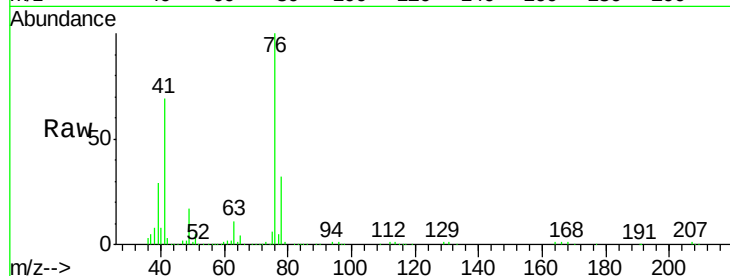
78 32.4 26.0 39.0

Manual Integrations

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MMDadoda

9/12/2019 9:00:41 AM



#58

2-Chloroethyl Vinyl ether

Concen: 252.439 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX012251.D

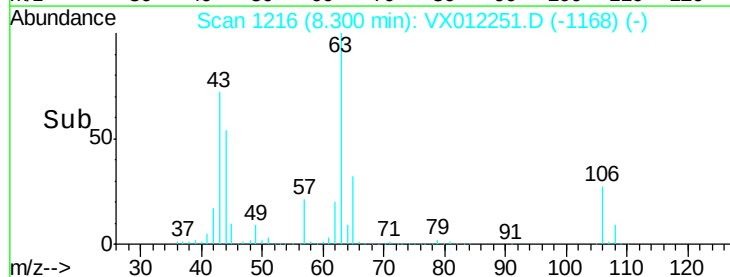
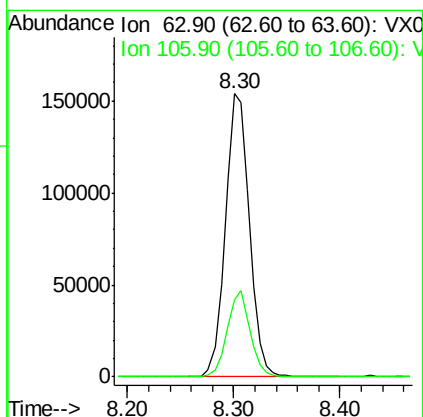
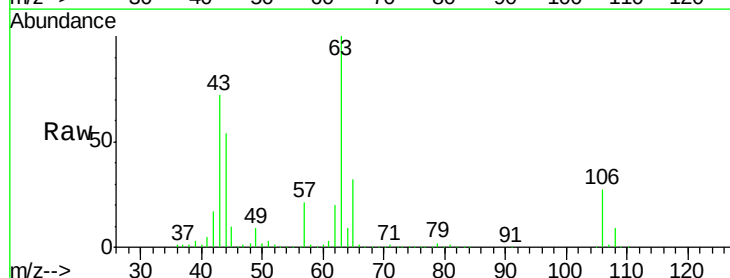
Acq: 10 Sep 2019 12:44

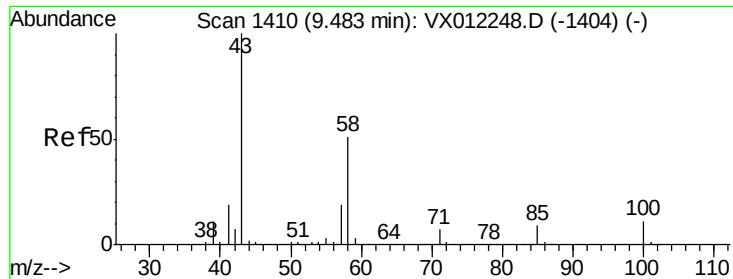
Tgt Ion: 63 Resp: 242058

Ion Ratio Lower Upper

63 100

106 29.1 23.4 35.2





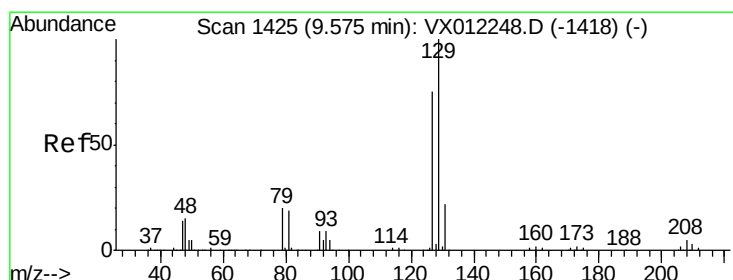
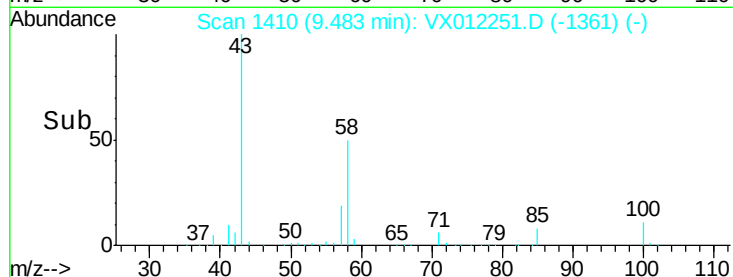
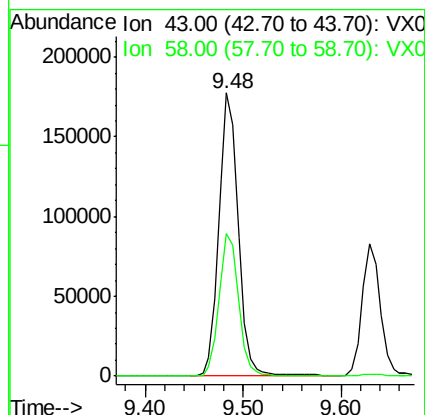
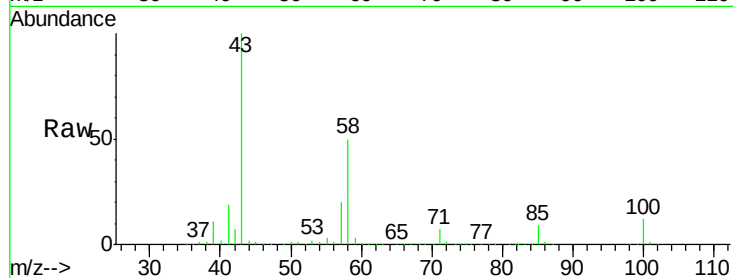
#59
2-Hexanone
Concen: 261.458 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX012251.D
Acq: 10 Sep 2019 12:44

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091019

Tot Ion: 43 Resp: 243580
Ion Ratio Lower Upper
43 100
58 51.0 25.8 77.3

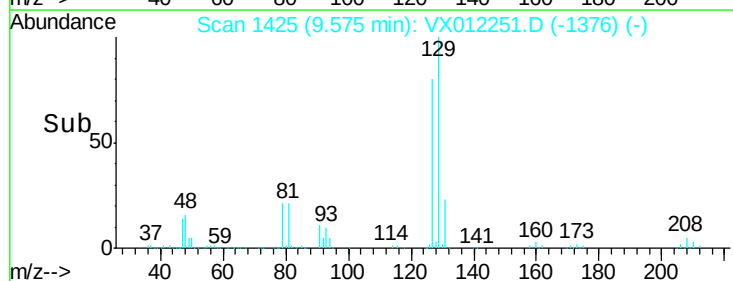
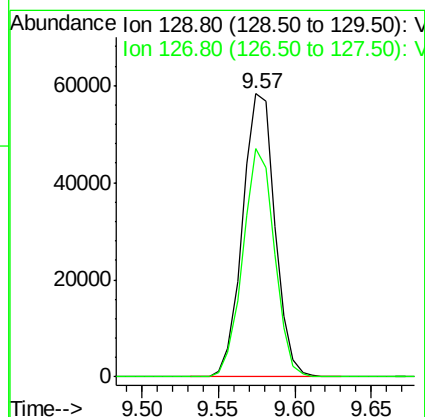
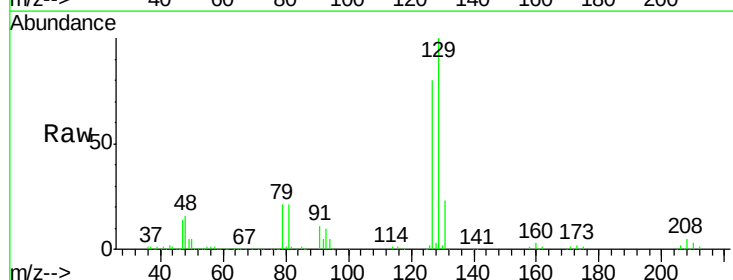
Manual Integrations
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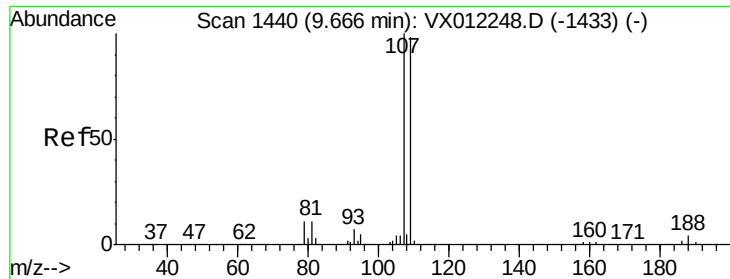
MMDadoda
9/12/2019 9:00:41 AM



#60
Dibromochloromethane
Concen: 53.032 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX012251.D
Acq: 10 Sep 2019 12:44

Tgt Ion: 129 Resp: 85545
Ion Ratio Lower Upper
129 100
127 78.5 38.1 114.3





#61

1,2-Dibromoethane

Concen: 51.072 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012251.D

Acq: 10 Sep 2019 12:44

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091019

Tot Ion: 107 Resp: 65690

Ion Ratio Lower Upper

107 100

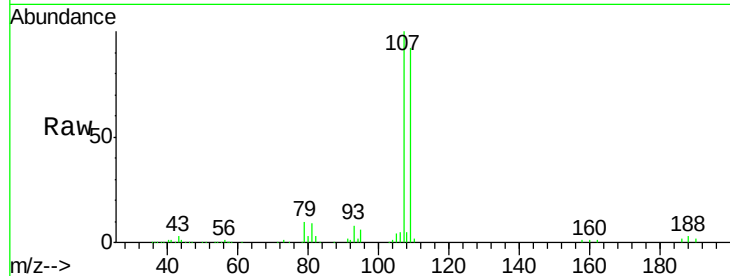
109 94.6 76.3 114.5

Manual Integrations

APPROVED

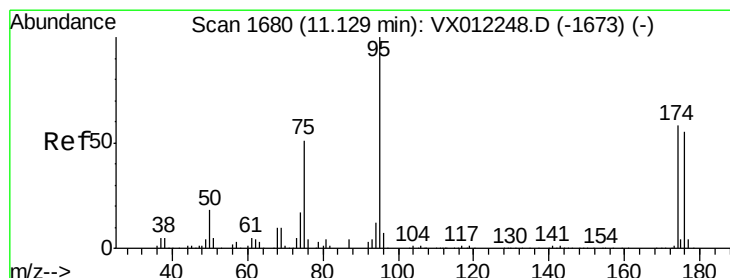
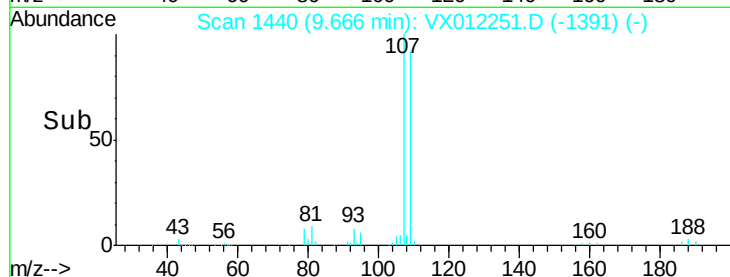
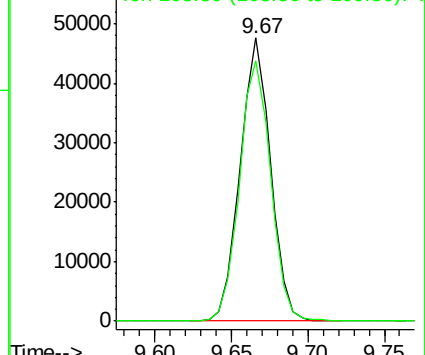
MMDadoda

9/12/2019 9:00:41 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.546 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX012251.D

Acq: 10 Sep 2019 12:44

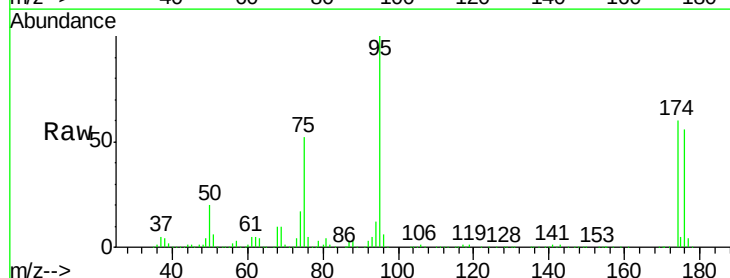
Tgt Ion: 95 Resp: 137964

Ion Ratio Lower Upper

95 100

174 64.4 0.0 127.0

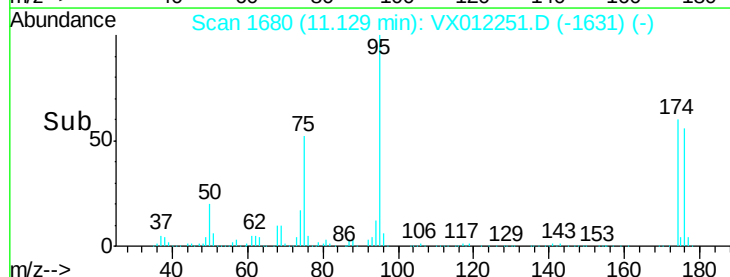
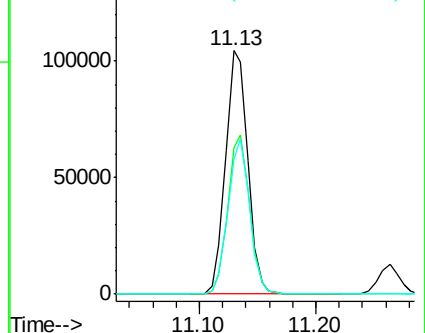
176 62.3 0.0 125.8

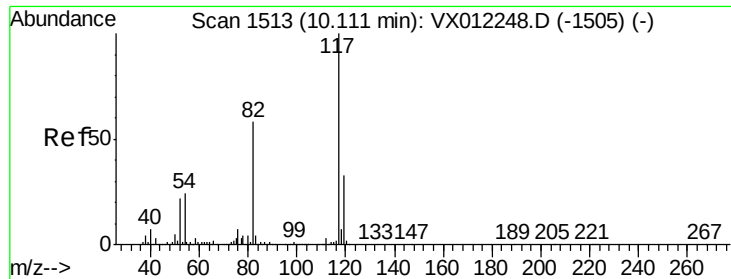


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





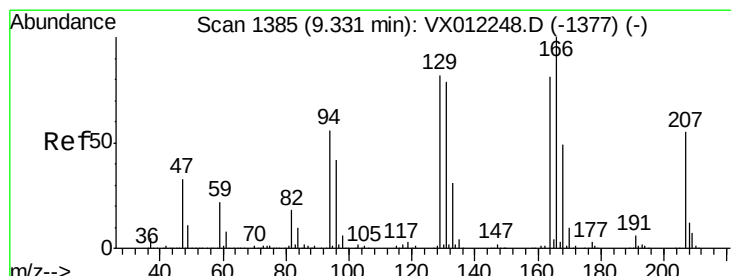
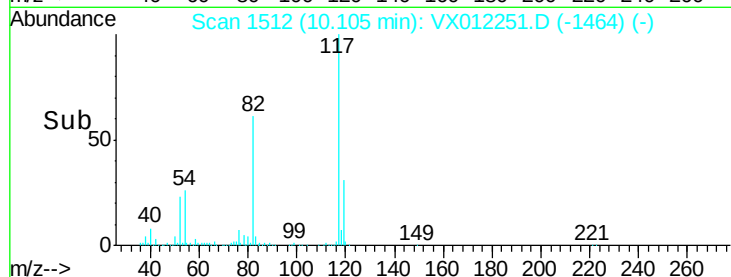
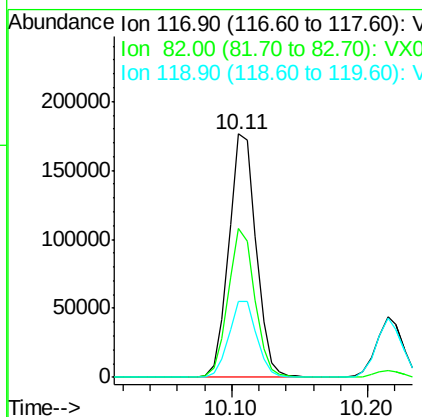
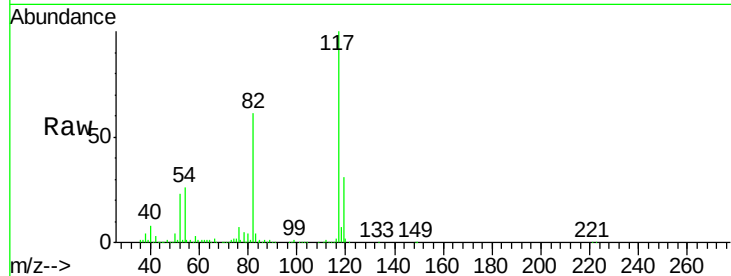
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX012251.D
Acq: 10 Sep 2019 12:44

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091019

Tot Ion	Ratio	Resp	Lower	Upper
117	100	245991		
82	61.4	46.4	69.6	
119	31.2	26.6	39.8	

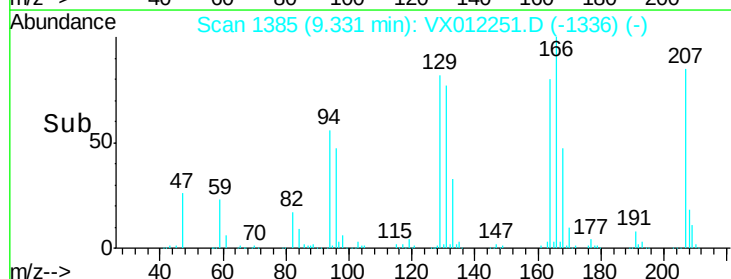
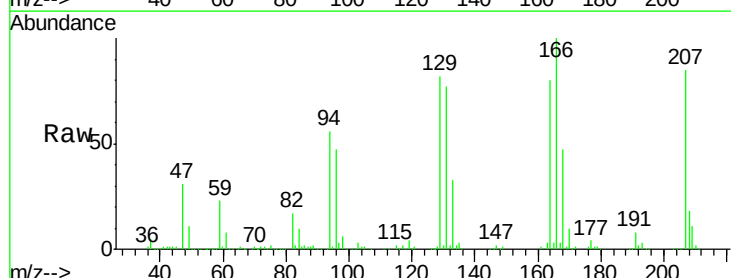
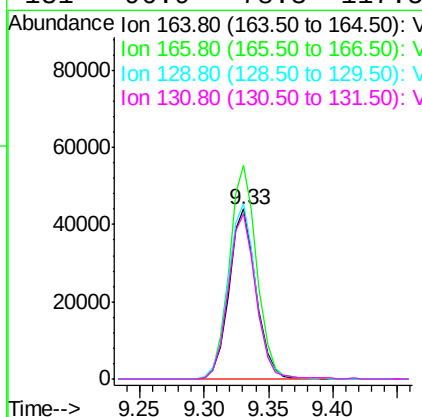
Manual Integrations
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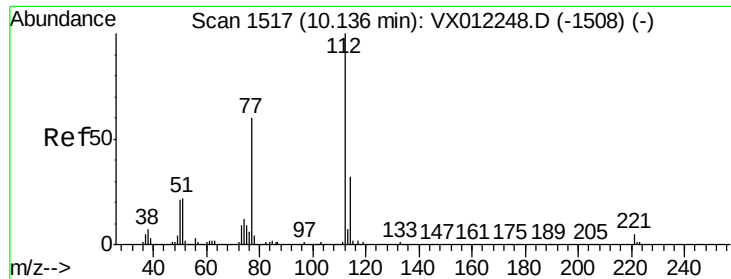
MMDadoda
9/12/2019 9:00:41 AM



#64
Tetrachloroethene
Concen: 49.930 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012251.D
Acq: 10 Sep 2019 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	64957		
166	125.7	99.4	149.0	
129	103.5	81.8	122.8	
131	96.9	78.3	117.5	





#65

Chlorobenzene

Concen: 51.631 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX012251.D

Acq: 10 Sep 2019 12:44

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091019

Tot Ion:112 Resp: 232066

Ion Ratio Lower Upper

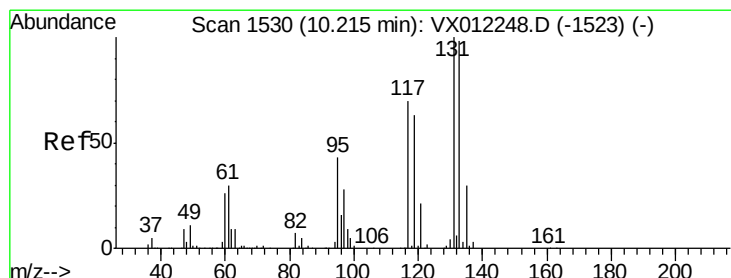
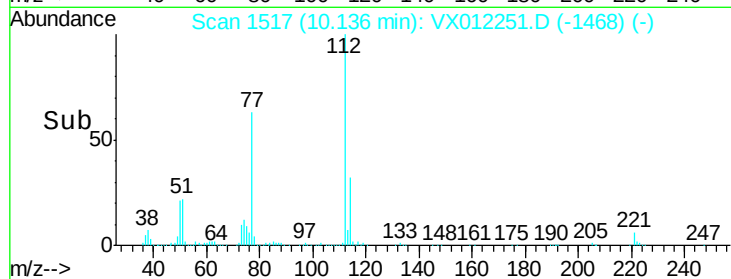
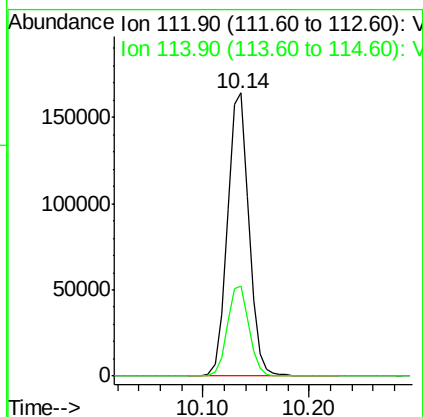
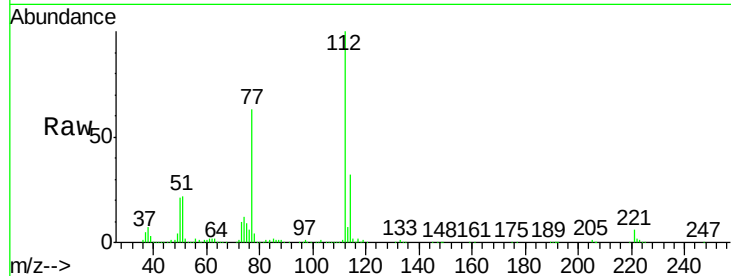
112 100

114 32.0 25.4 38.0

Manual Integrations
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9/12/2019 9:00:41 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 52.407 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX012251.D

Acq: 10 Sep 2019 12:44

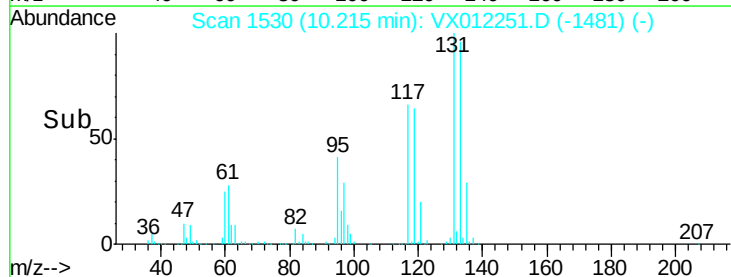
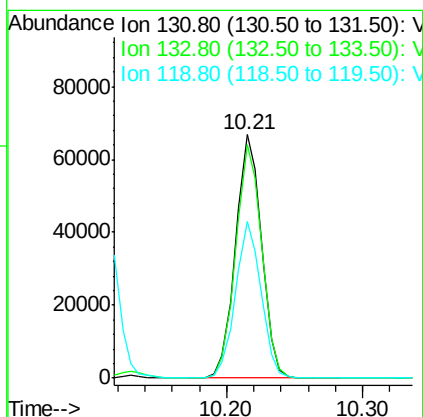
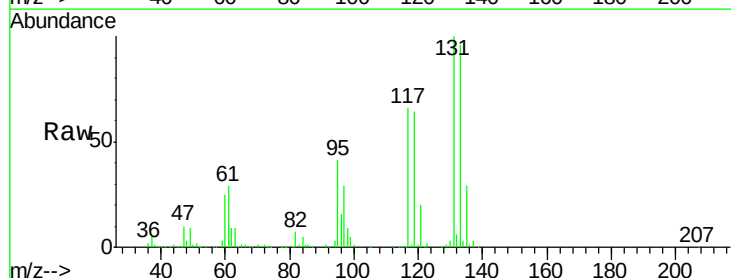
Tgt Ion:131 Resp: 88797

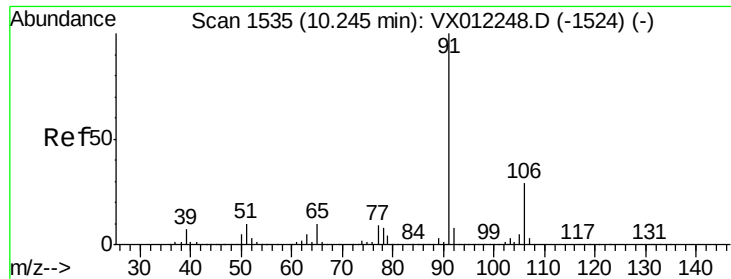
Ion Ratio Lower Upper

131 100

133 96.6 48.0 144.2

119 63.2 31.6 95.0





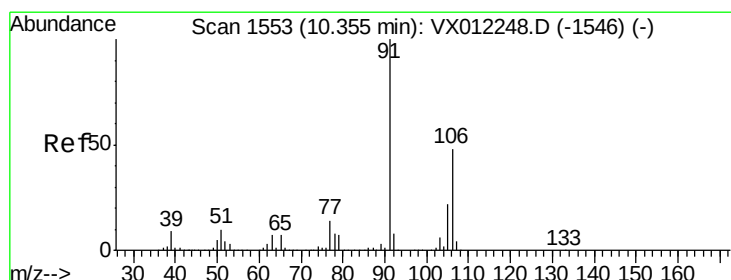
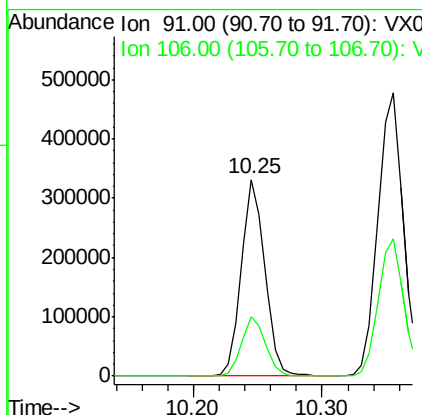
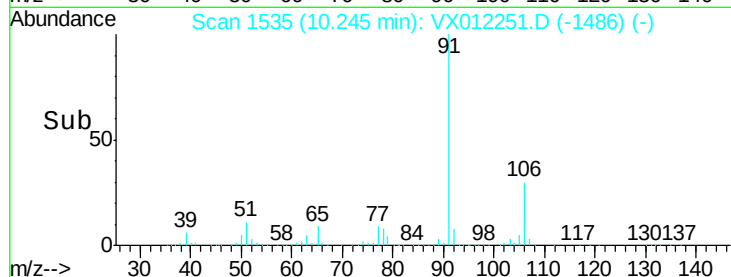
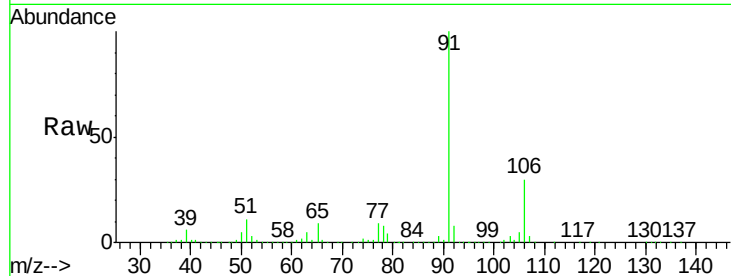
#67
Ethyl Benzene
Concen: 52.710 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012251.D
Acq: 10 Sep 2019 12:44

Instrument :
MSVOA_X
ClientSampleId :
ICVX091019

Tot Ion: 91 Resp: 421371
Ion Ratio Lower Upper
91 100
106 30.2 23.1 34.7

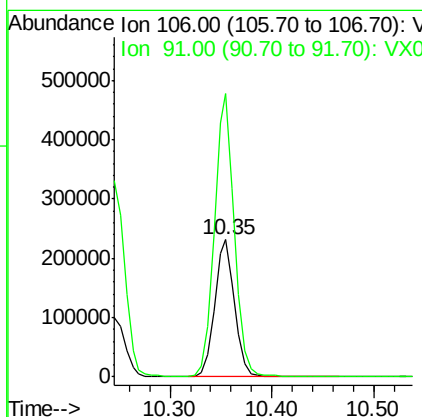
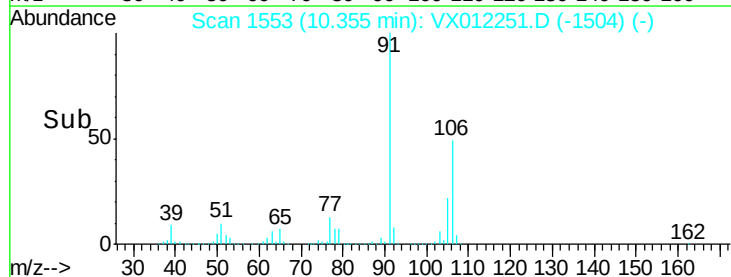
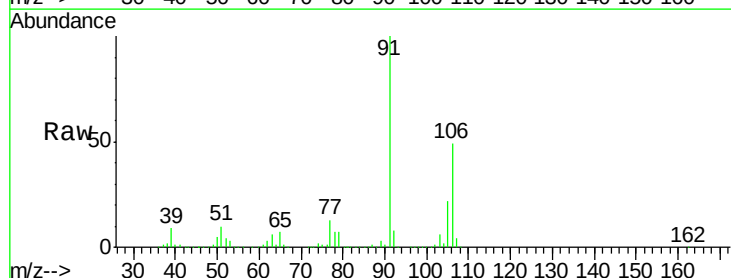
Manual Integrations
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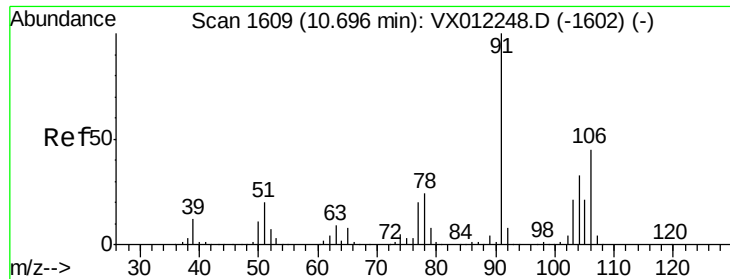
MMDadoda
9/12/2019 9:00:41 AM



#68
m/p-Xylenes
Concen: 107.567 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012251.D
Acq: 10 Sep 2019 12:44

Tgt Ion: 106 Resp: 316543
Ion Ratio Lower Upper
106 100
91 206.0 167.0 250.6





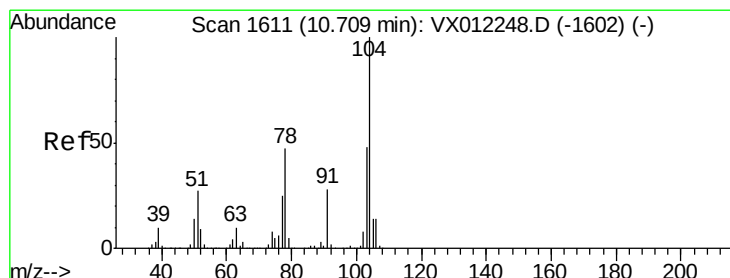
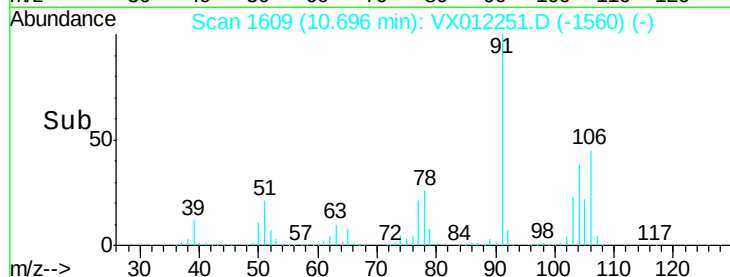
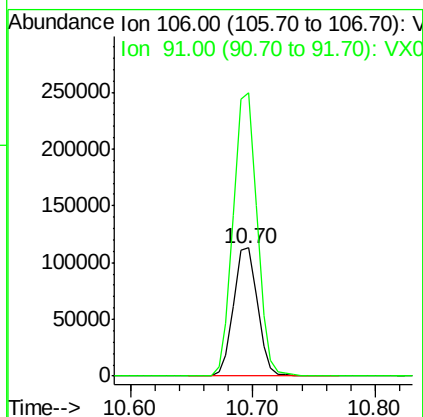
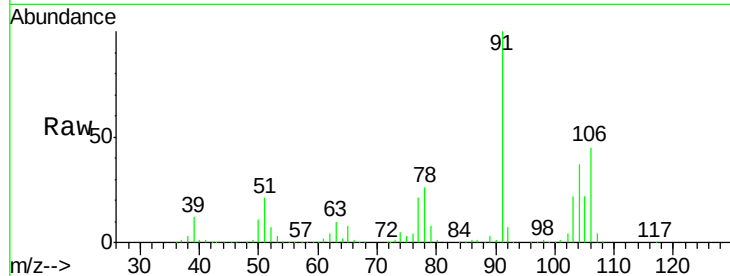
#69
o-Xylene
Concen: 53.004 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012251.D
Acq: 10 Sep 2019 12:44

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091019

Tot Ion	Ratio	Resp	Lower	Upper
106	100	152799		
91	219.6	110.5	331.4	

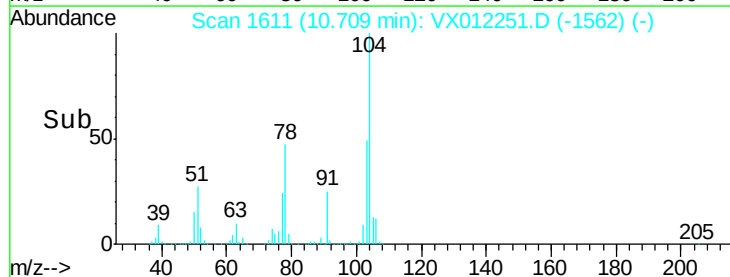
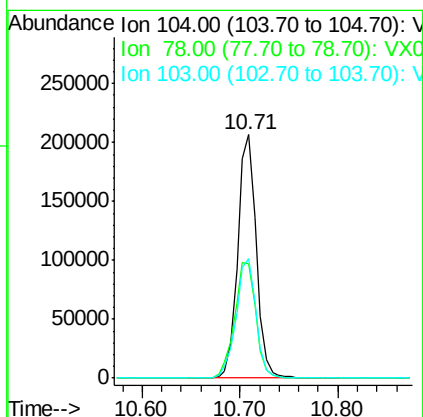
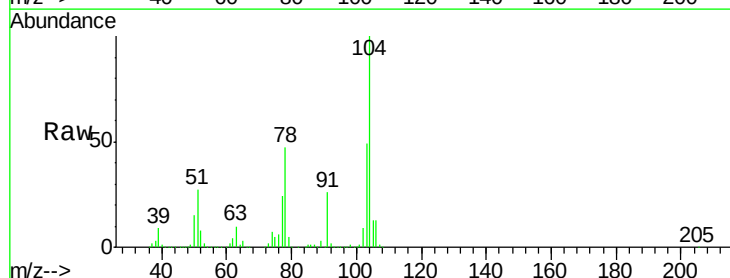
Manual Integrations
APPROVED

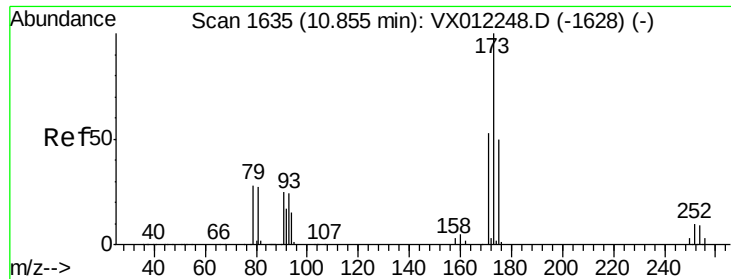
MMDadoda
9/12/2019 9:00:41 AM



#70
Styrene
Concen: 53.008 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012251.D
Acq: 10 Sep 2019 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	271009		
78	54.8	44.2	66.2	
103	53.1	42.5	63.7	





#71

Bromoform

Concen: 52.987 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012251.D

Acq: 10 Sep 2019 12:44

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091019

Tot Ion:173 Resp: 46555

Ion Ratio Lower Upper

173 100

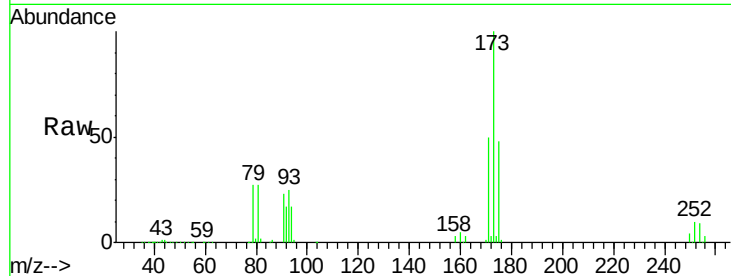
175 48.0 24.5 73.5

254 0.2 0.2 0.4#

Manual Integrations
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MMDadoda

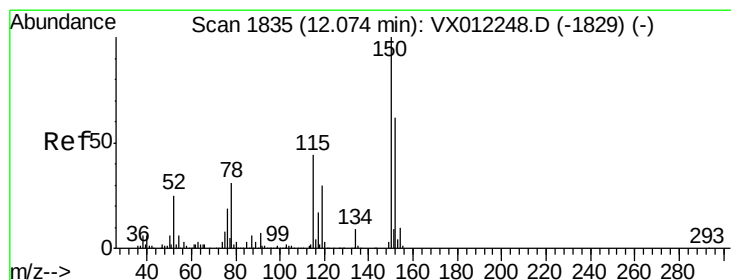
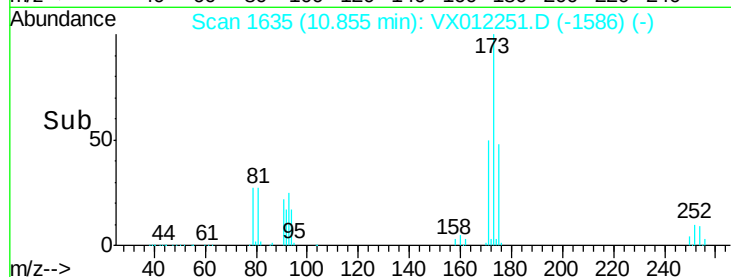
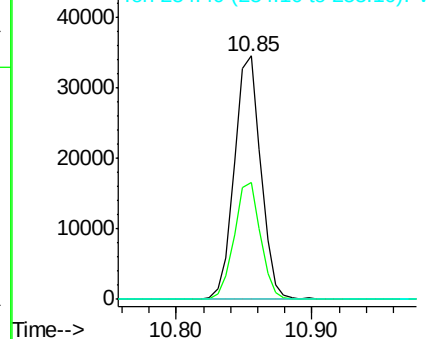
9/12/2019 9:00:41 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012251.D

Acq: 10 Sep 2019 12:44

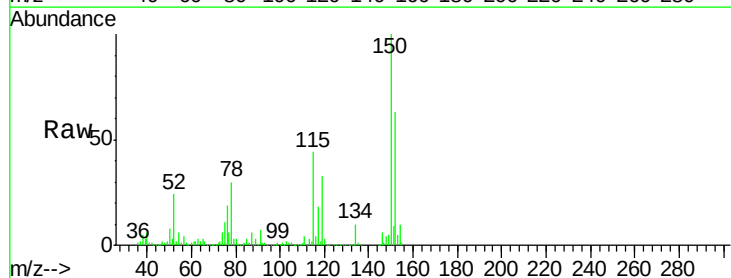
Tgt Ion:152 Resp: 122574

Ion Ratio Lower Upper

152 100

115 91.8 45.5 136.4

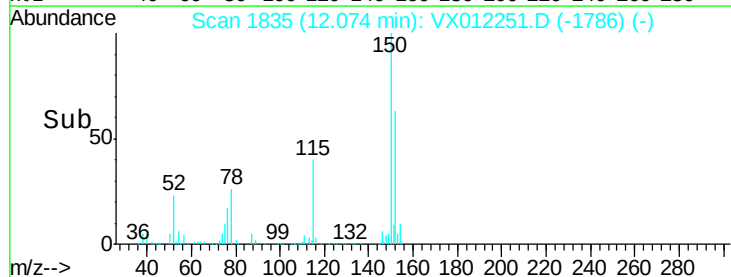
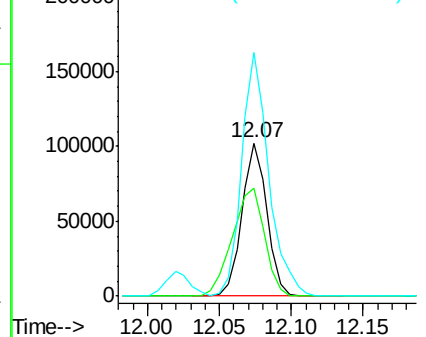
150 173.5 0.0 346.4

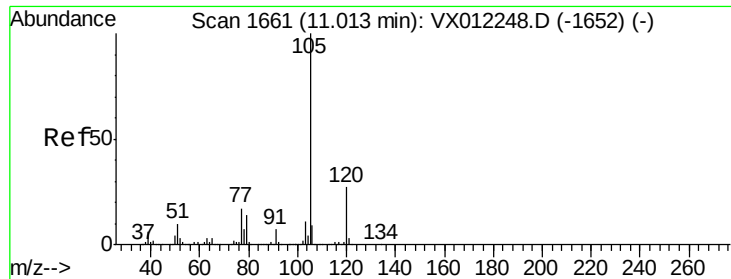


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.166 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012251.D

Acq: 10 Sep 2019 12:44

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091019

Tot Ion:105 Resp: 420950

Ion Ratio Lower Upper

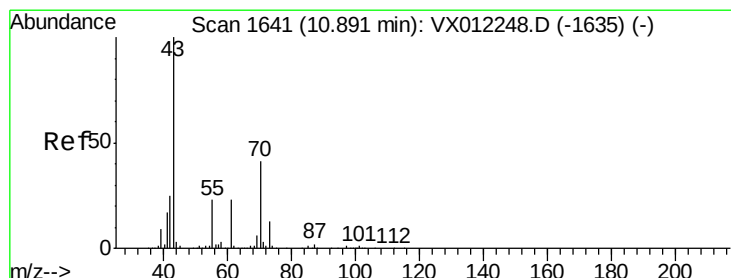
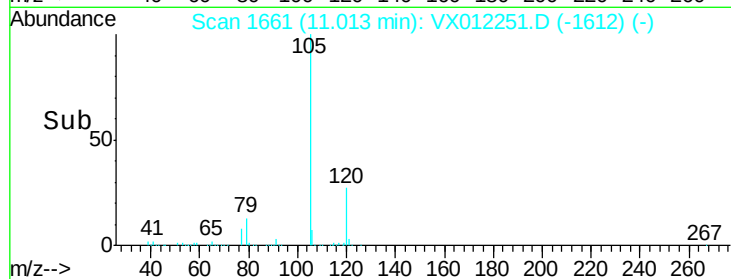
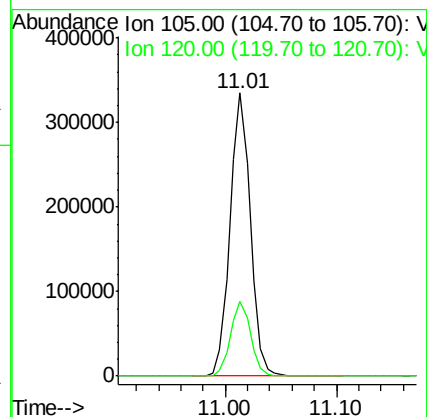
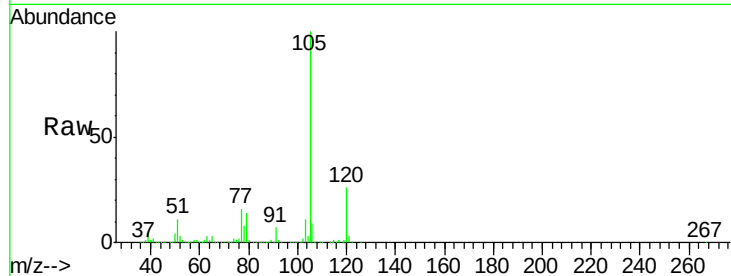
105 100

120 26.3 13.2 39.5

Manual Integrations
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9/12/2019 9:00:41 AM



#74

N-ethyl acetate

Concen: 52.322 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012251.D

Acq: 10 Sep 2019 12:44

Tgt Ion: 43 Resp: 125537

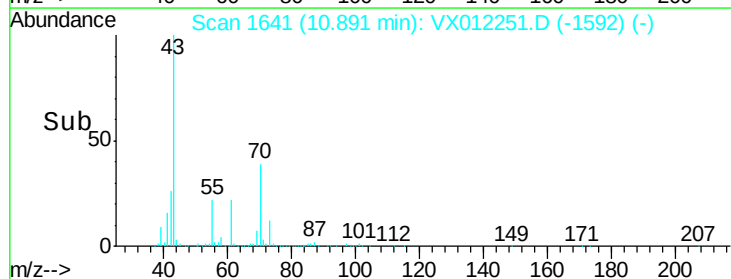
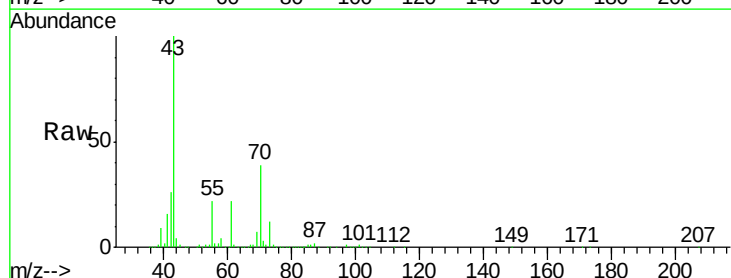
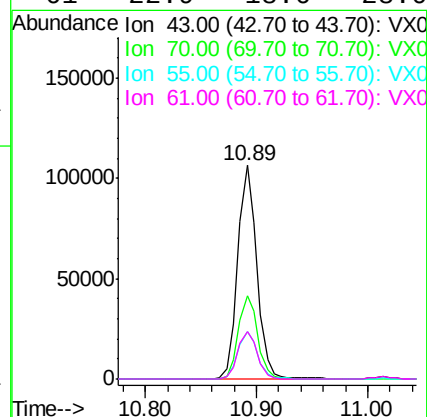
Ion Ratio Lower Upper

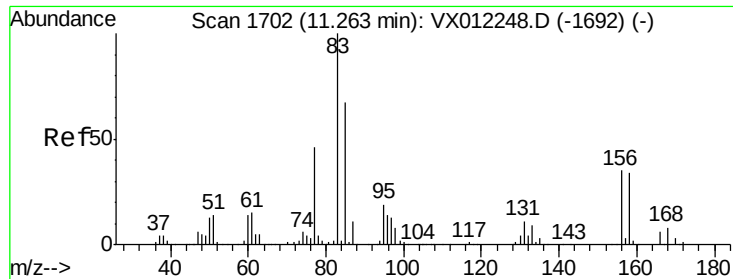
43 100

70 39.9 32.9 49.3

55 22.9 19.1 28.7

61 22.9 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.099 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012251.D

Acq: 10 Sep 2019 12:44

Instrument :

MSVOA_X

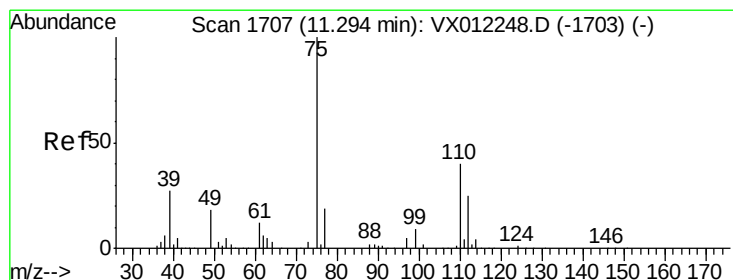
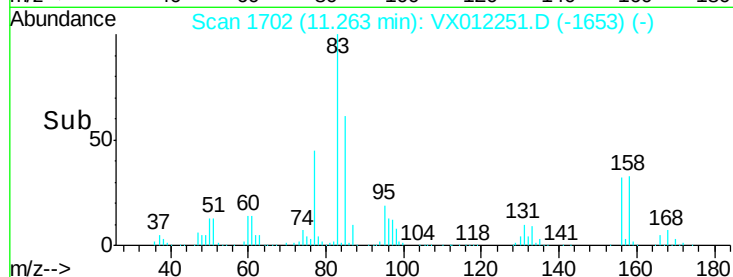
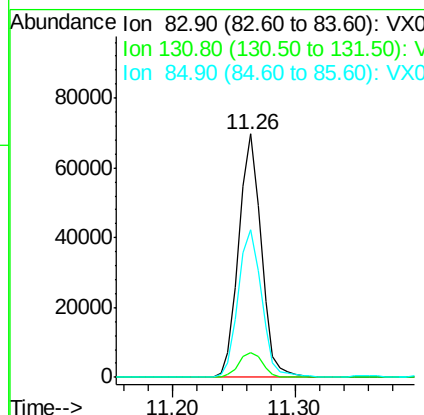
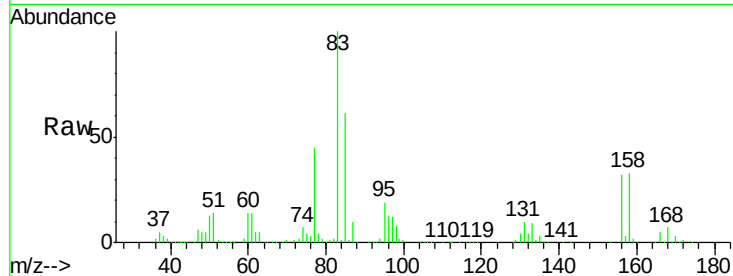
ClientSampleId :

ICVVX091019

Tot Ion:	83	Resp:	88557
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.5	16.4
85	63.6	32.8	98.4

Manual Integrations
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9/12/2019 9:00:41 AM



#76

1,2,3-Trichloropropane

Concen: 42.716 ug/l m

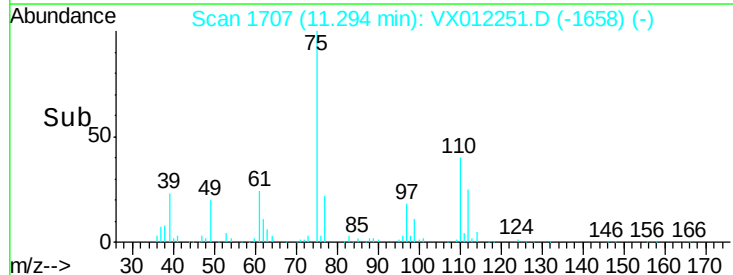
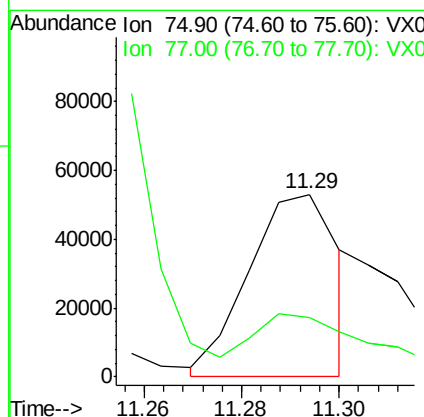
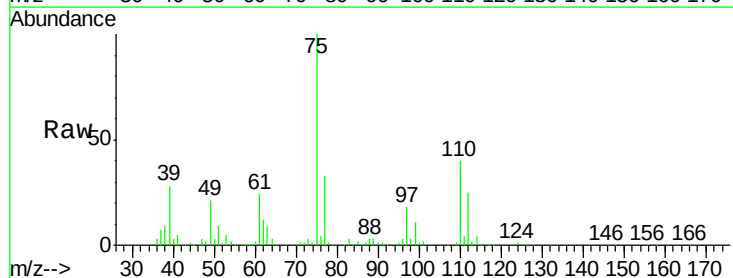
RT: 11.29 min Scan# 1707

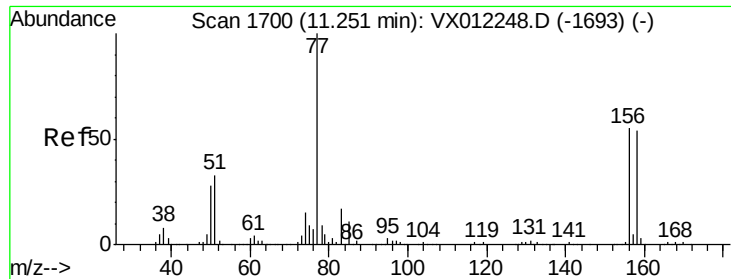
Delta R.T. -0.00 min

Lab File: VX012251.D

Acq: 10 Sep 2019 12:44

Tgt Ion:	75	Resp:	67263
Ion Ratio	Lower	Upper	
75	100		
77	46.1	19.7	59.0





#77

Bromobenzene

Concen: 51.985 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012251.D

Acq: 10 Sep 2019 12:44

Instrument :

MSVOA_X

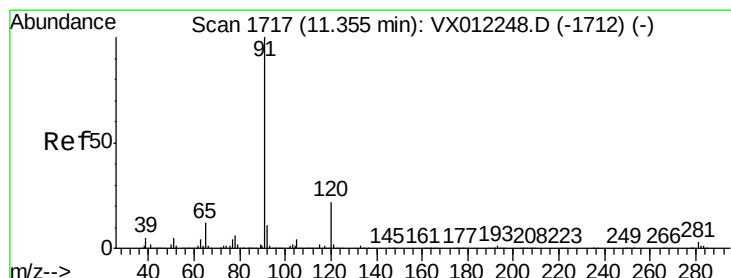
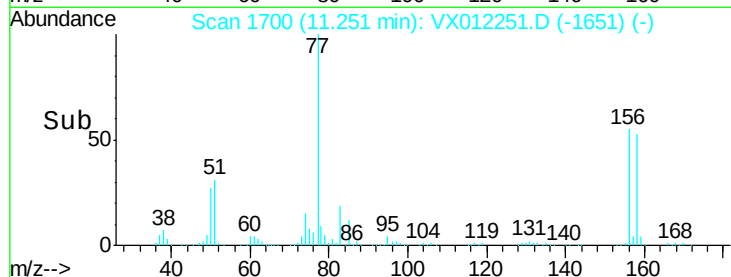
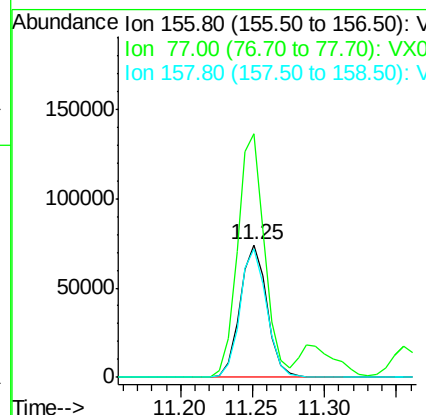
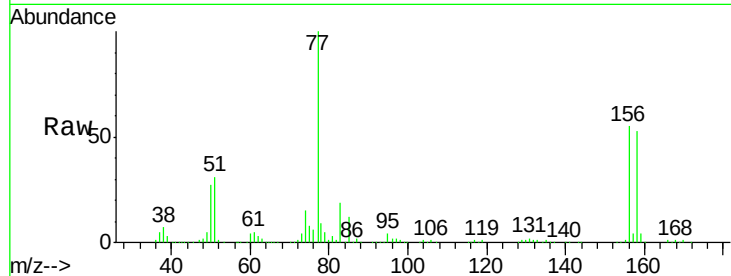
ClientSampleId :

ICVVX091019

Tot Ion:	156	Resp:	96581
Ion Ratio	Lower	Upper	
156	100		
77	185.1	92.2	276.6
158	96.2	48.8	146.3

Manual Integrations
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#78

n-propylbenzene

Concen: 52.467 ug/l

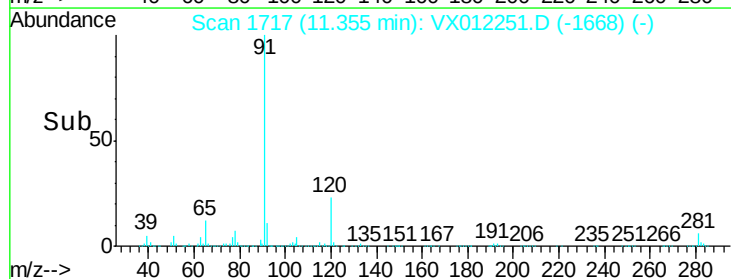
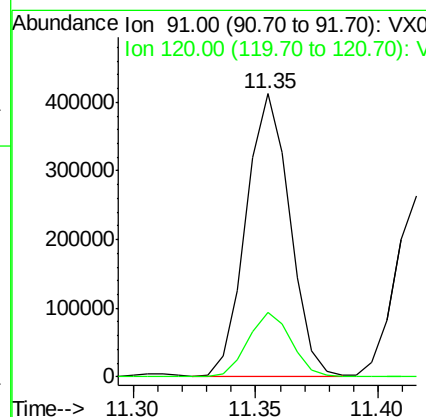
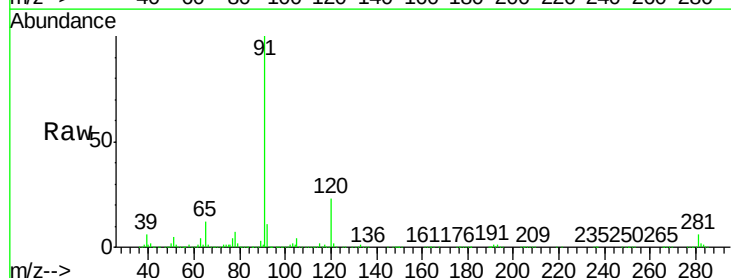
RT: 11.35 min Scan# 1717

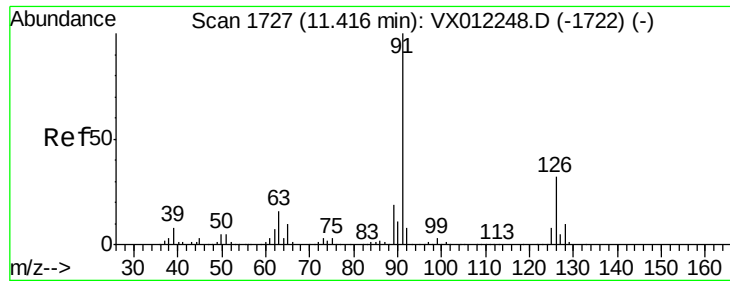
Delta R.T. -0.00 min

Lab File: VX012251.D

Acq: 10 Sep 2019 12:44

Tgt Ion:	91	Resp:	511265
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.2	33.6





#79

2-Chlorotoluene

Concen: 52.417 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012251.D

Acq: 10 Sep 2019 12:44

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091019

Tot Ion: 91 Resp: 316455

Ion Ratio Lower Upper

91 100

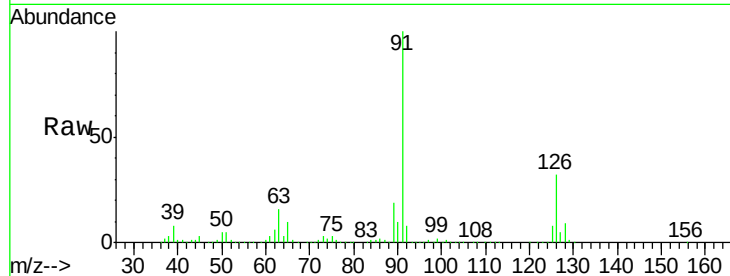
126 31.7 15.9 47.7

Manual Integrations

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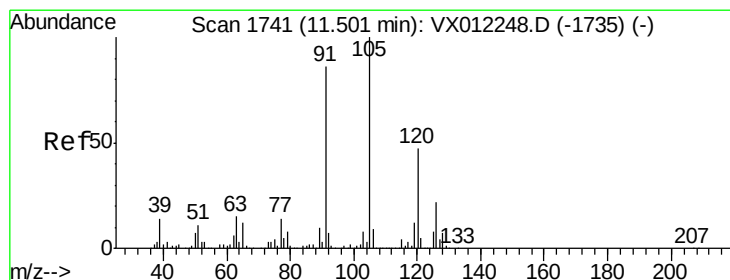
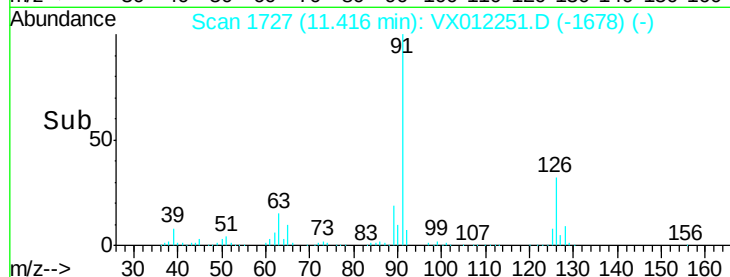
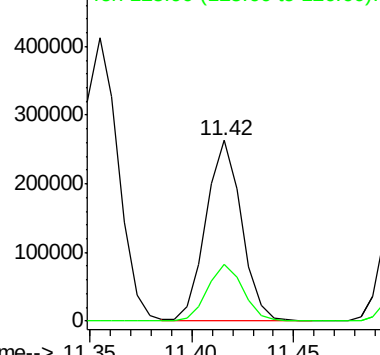
MMDadoda

9/12/2019 9:00:41 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.507 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX012251.D

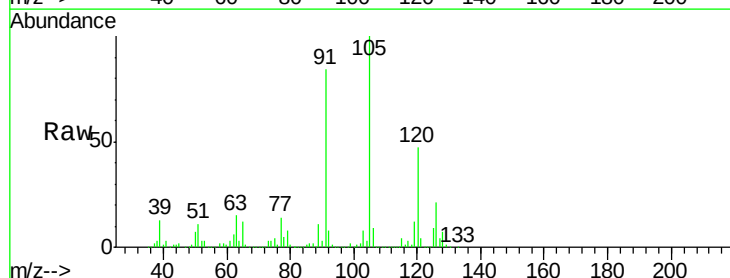
Acq: 10 Sep 2019 12:44

Tgt Ion:105 Resp: 381033

Ion Ratio Lower Upper

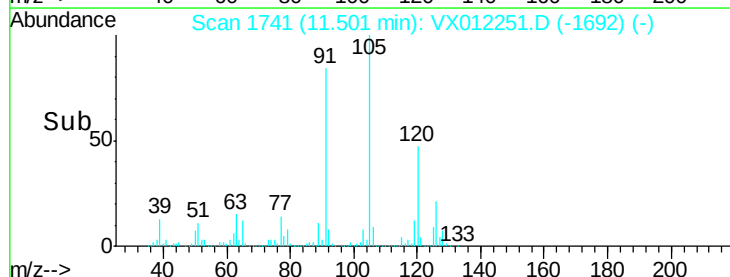
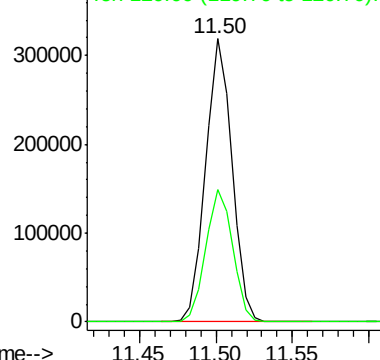
105 100

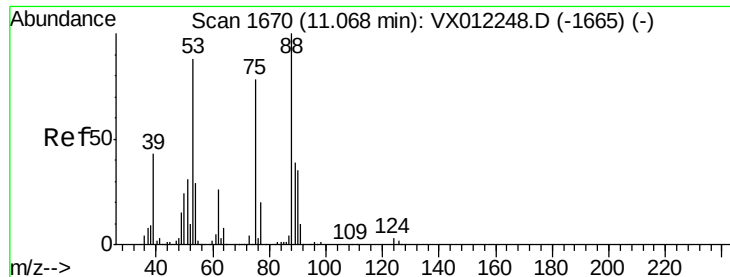
120 47.7 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





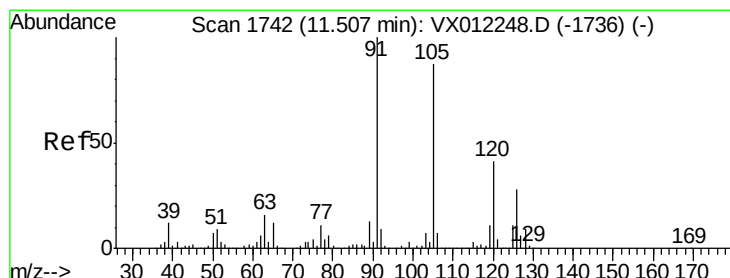
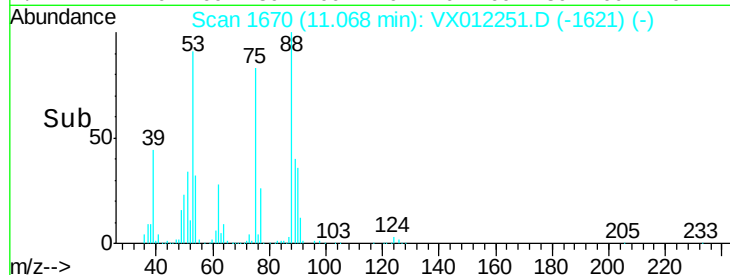
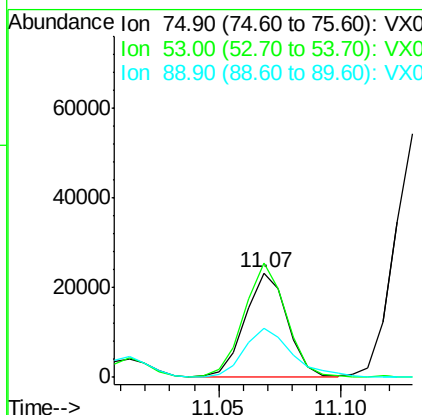
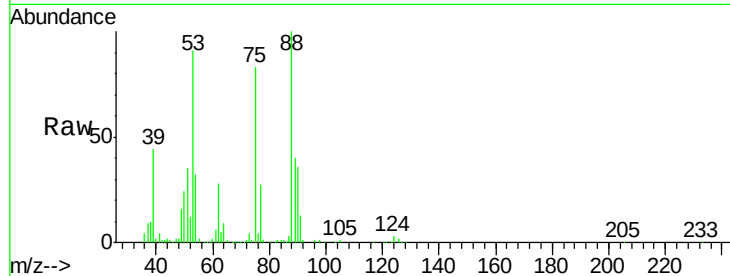
#81
trans-1,4-Dichloro-2-butene
Concen: 52.433 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX012251.D
Acq: 10 Sep 2019 12:44

Instrument :
MSVOA_X
ClientSampleId :
ICVX091019

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.7	88.1	132.1
89	55.3	43.5	65.3

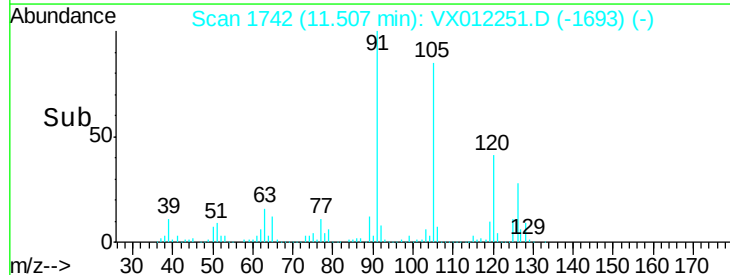
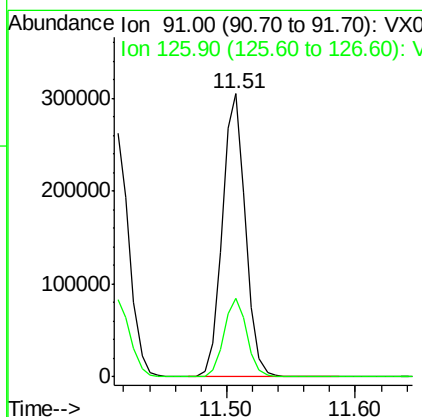
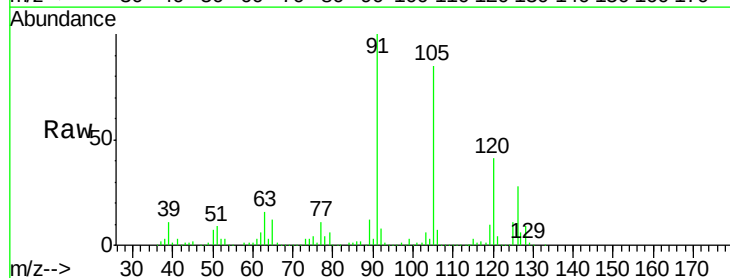
Manual Integrations
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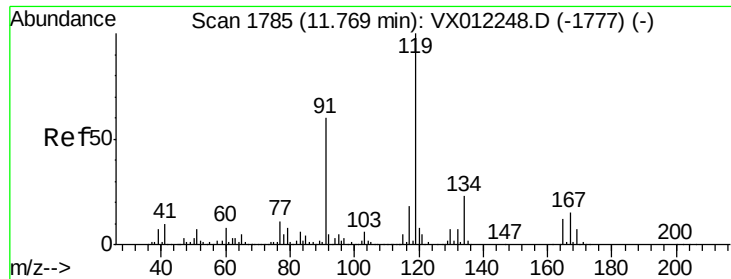
MMDadoda
9/12/2019 9:00:41 AM



#82
4-Chlorotoluene
Concen: 53.020 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX012251.D
Acq: 10 Sep 2019 12:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.4	14.0	42.0





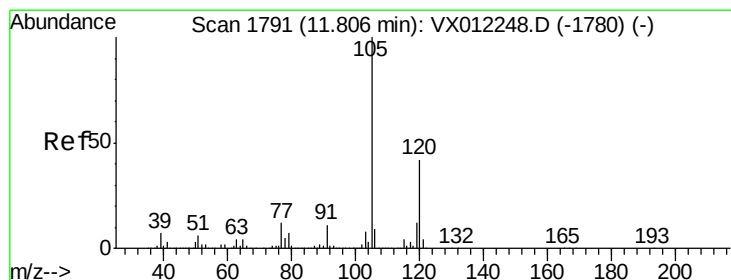
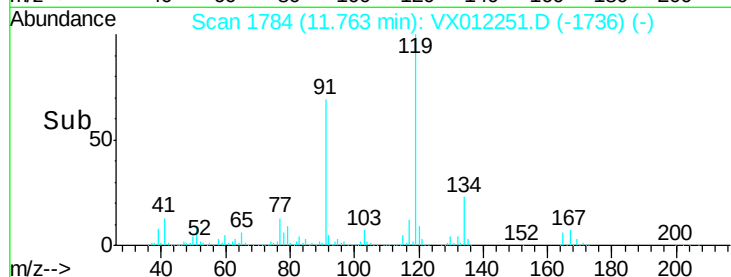
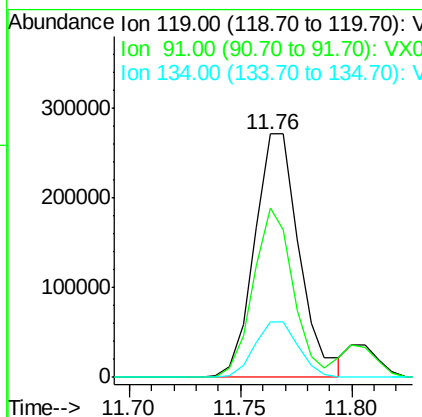
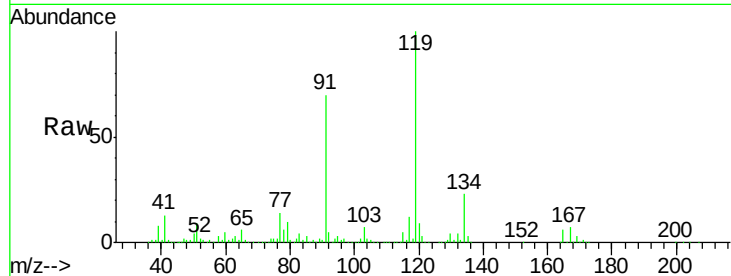
#83
tert-Butylbenzene
Concen: 53.938 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX012251.D
Acq: 10 Sep 2019 12:44

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091019

Tot Ion	Ratio	Resp	Lower	Upper
119	100	380065		
91	61.7		30.9	92.8
134	22.5		11.2	33.6

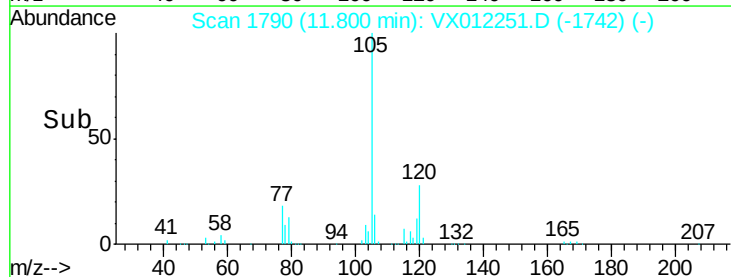
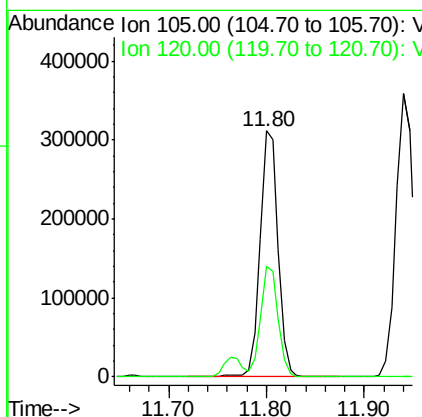
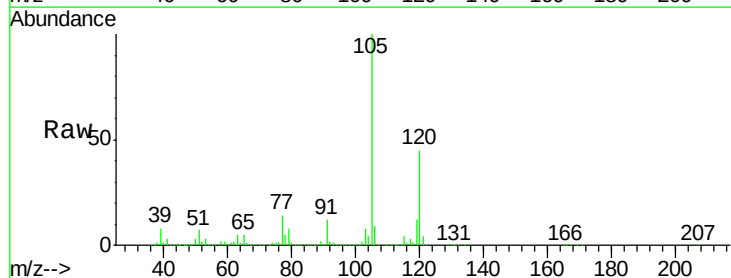
Manual Integrations
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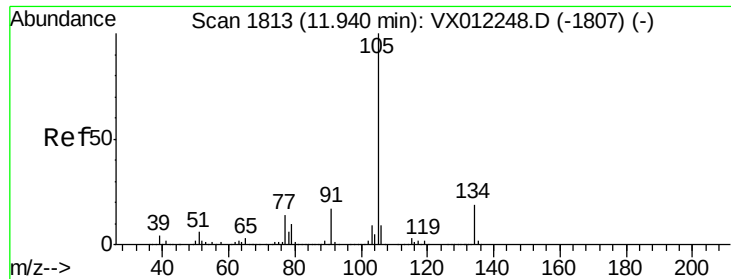
MMDadoda
9/12/2019 9:00:41 AM



#84
1,2,4-Trimethylbenzene
Concen: 52.690 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX012251.D
Acq: 10 Sep 2019 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	395267		
120	43.5		21.3	63.9





#85

sec-Butylbenzene

Concen: 53.150 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012251.D

Acq: 10 Sep 2019 12:44

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091019

Tot Ion:105 Resp: 446866

Ion Ratio Lower Upper

105 100

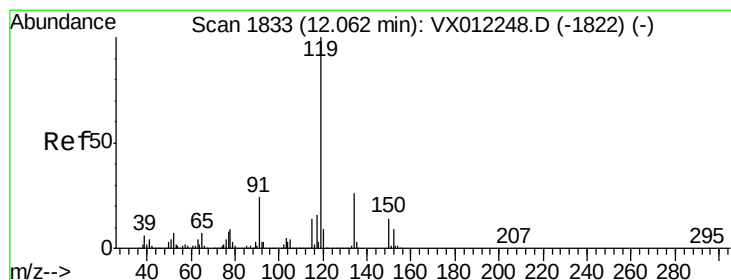
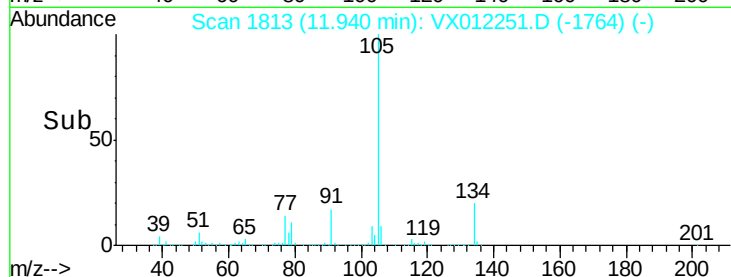
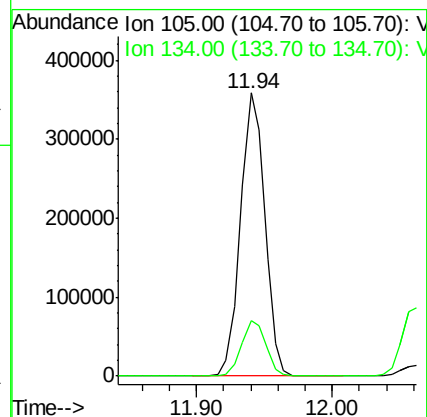
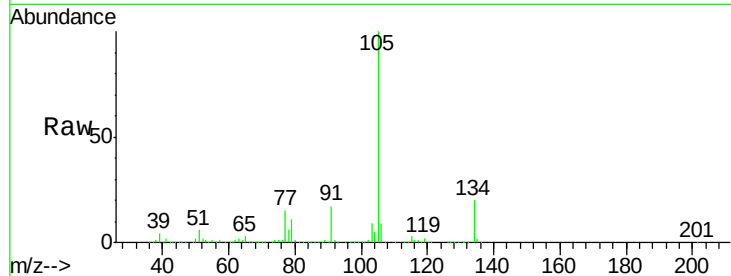
134 19.8 9.9 29.7

Manual Integrations

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9/12/2019 9:00:41 AM



#86

p-Isopropyltoluene

Concen: 53.500 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012251.D

Acq: 10 Sep 2019 12:44

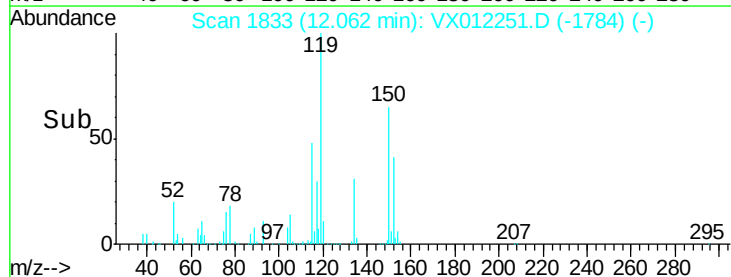
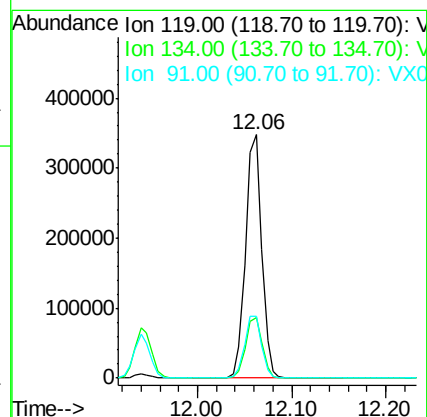
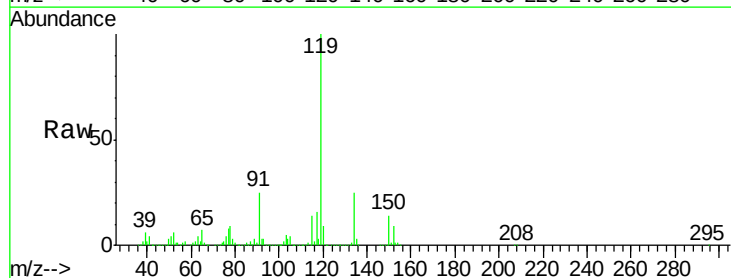
Tgt Ion:119 Resp: 415614

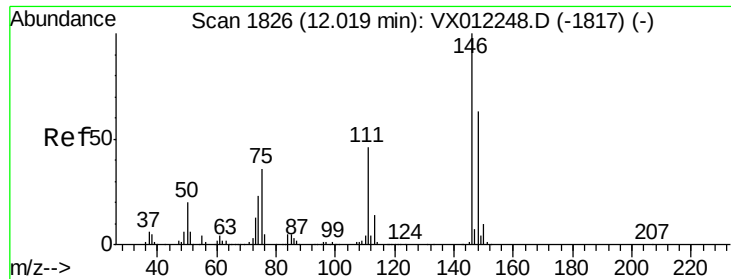
Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.7

91 26.6 13.1 39.1





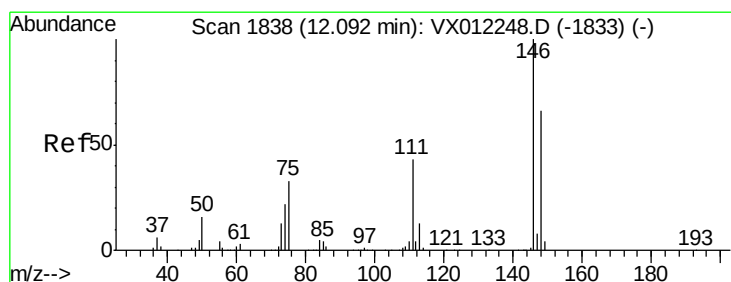
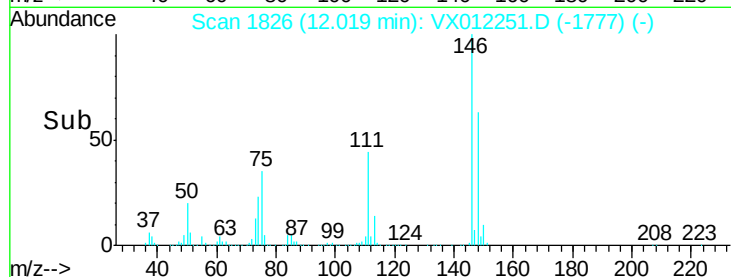
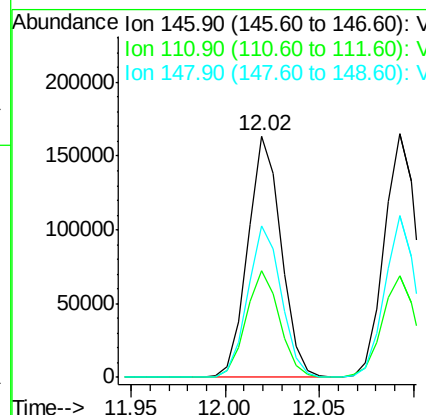
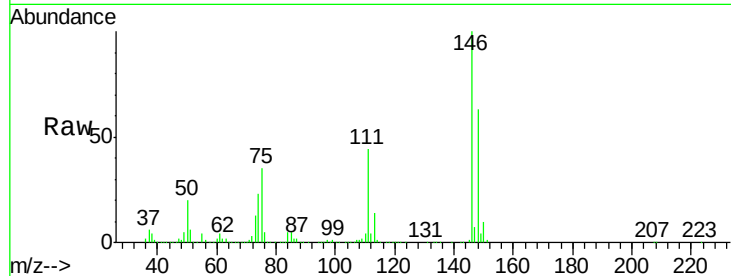
#87
 1,3-Dichlorobenzene
 Concen: 53.055 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012251.D
 Acq: 10 Sep 2019 12:44

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091019

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.3	66.8
148	63.0	31.5	94.5

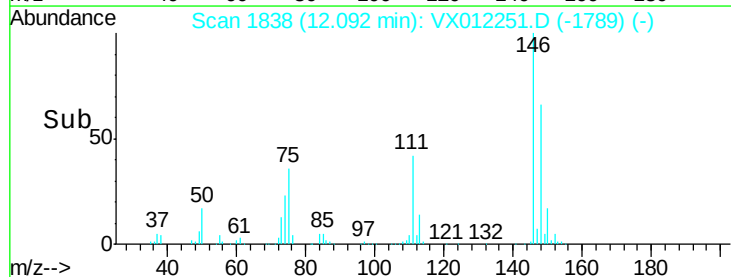
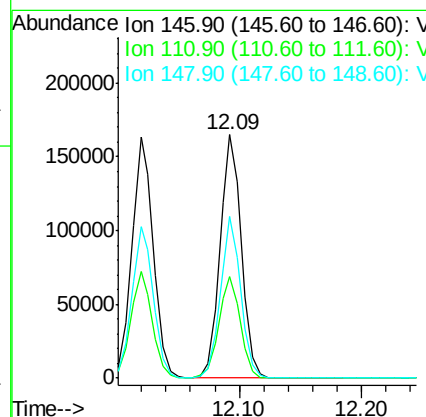
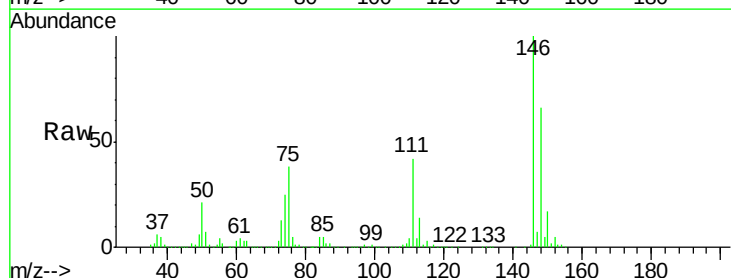
Manual Integrations
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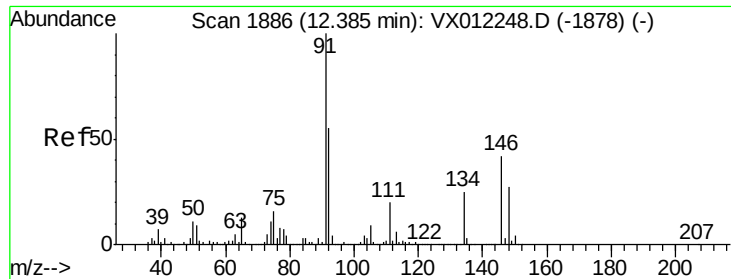
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#88
 1,4-Dichlorobenzene
 Concen: 52.363 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012251.D
 Acq: 10 Sep 2019 12:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.6	64.8
148	63.7	32.4	97.2





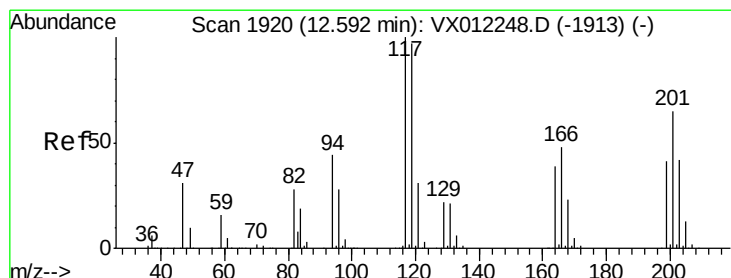
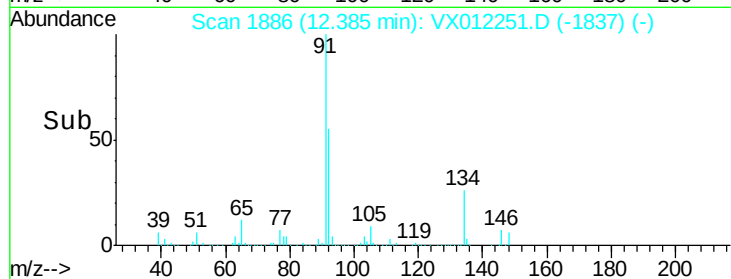
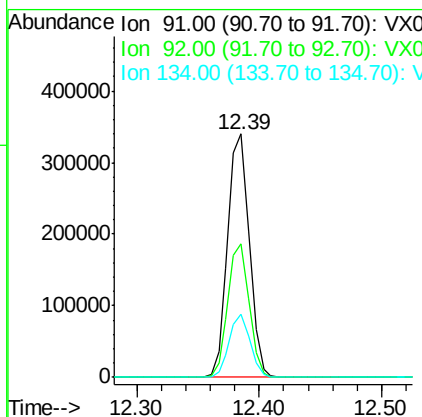
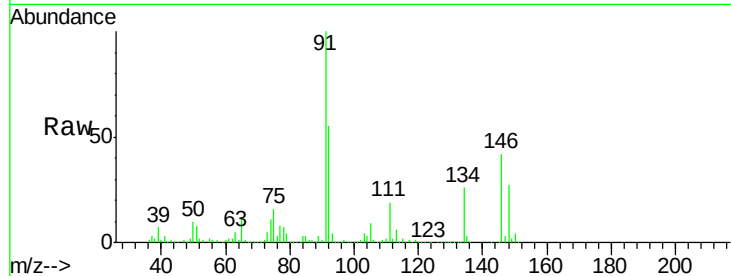
#89
n-Butylbenzene
Concen: 54.563 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012251.D
Acq: 10 Sep 2019 12:44

Instrument :
MSVOA_X
ClientSampleId :
ICVX091019

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.6	82.7
134	25.1	12.5	37.5

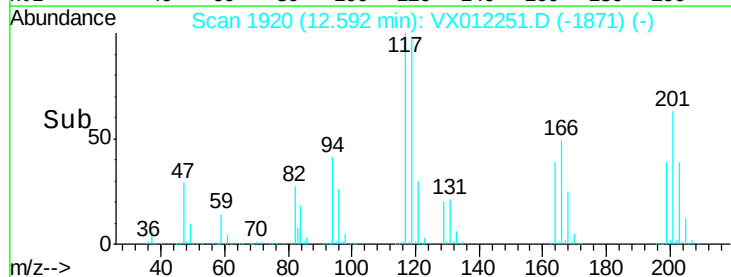
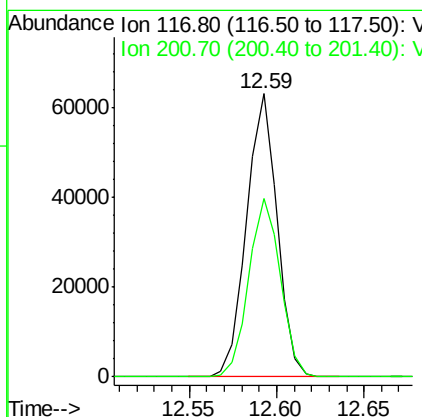
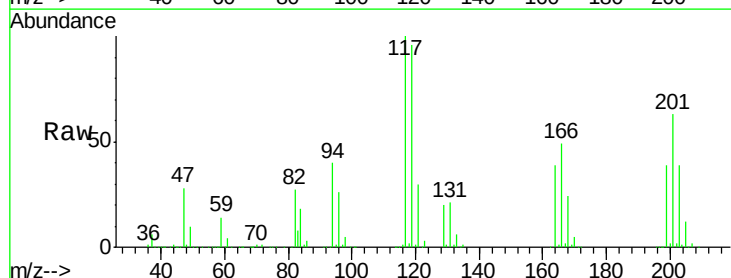
Manual Integrations
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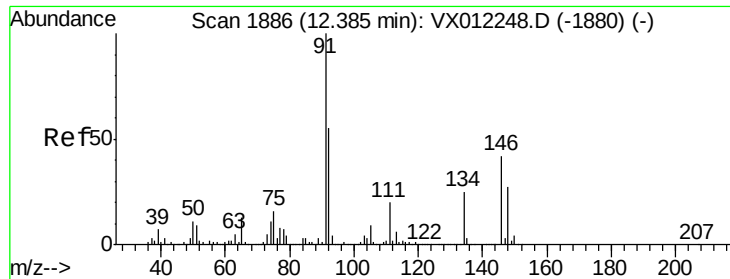
MMDadoda
9/12/2019 9:00:41 AM



#90
Hexachloroethane
Concen: 53.969 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012251.D
Acq: 10 Sep 2019 12:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.2	32.2	96.6





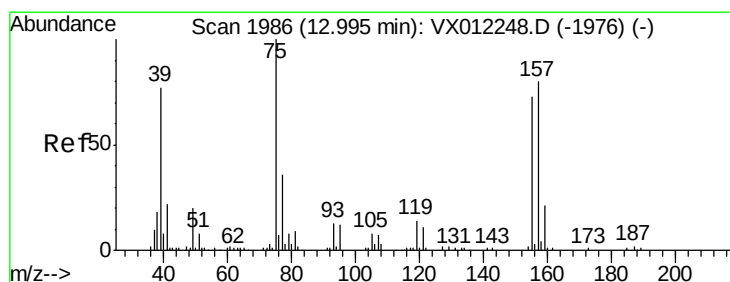
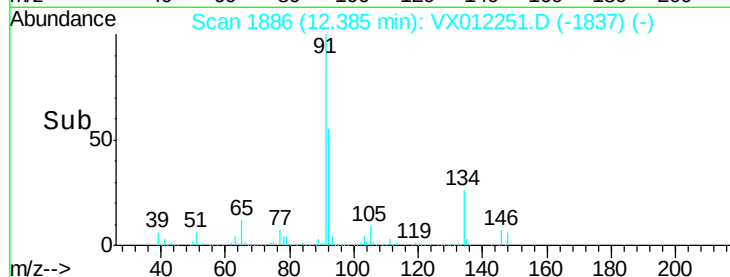
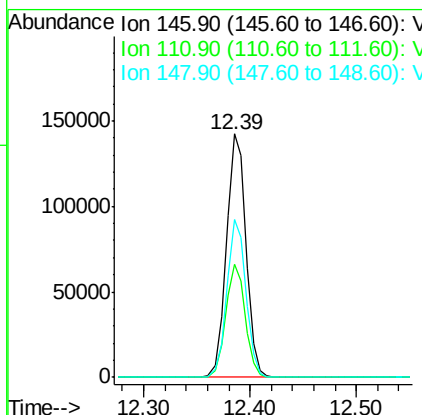
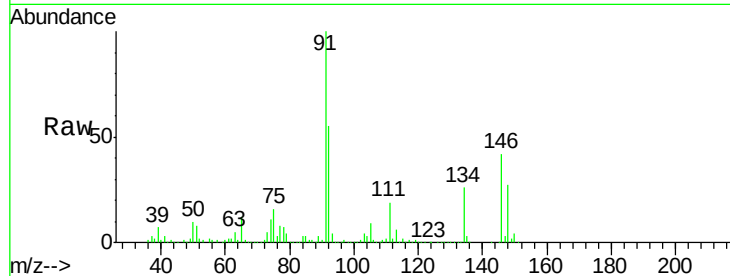
#91
 1,2-Dichlorobenzene
 Concen: 52.214 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012251.D
 Acq: 10 Sep 2019 12:44

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091019

Tot Ion	Ratio	Resp	Lower	Upper
146	100	182796		
111	46.1	23.2	69.6	
148	63.6	32.4	97.0	

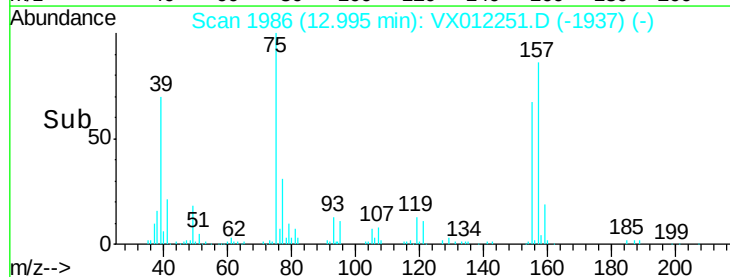
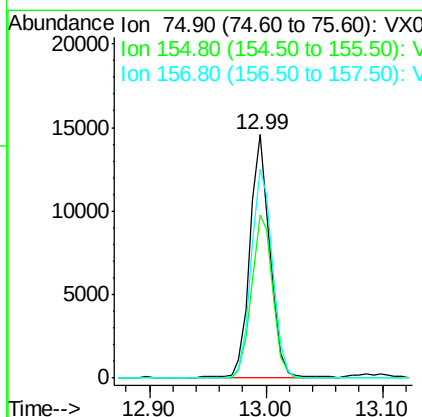
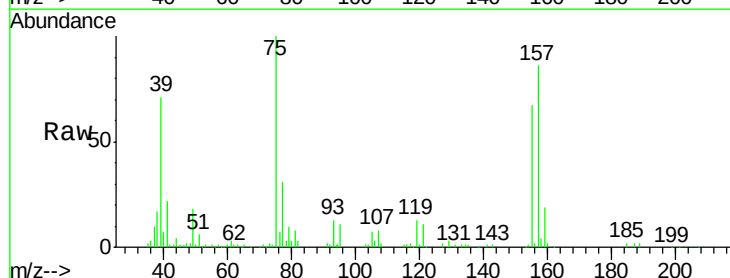
Manual Integrations
 APPROVED

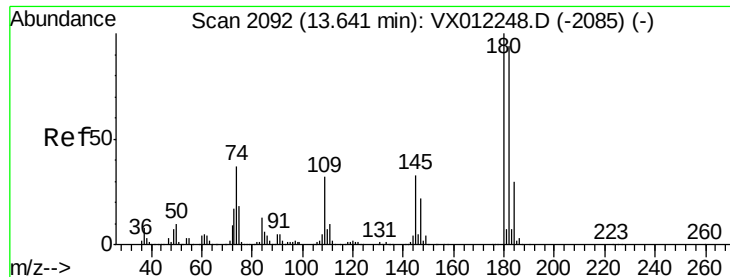
MMDadoda
 9/12/2019 9:00:41 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.088 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012251.D
 Acq: 10 Sep 2019 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	17718		
155	69.6	35.3	105.7	
157	89.8	43.2	129.6	





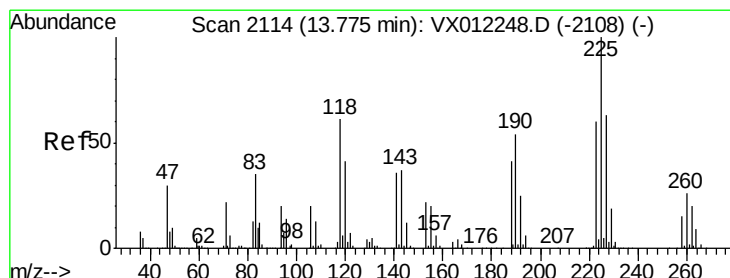
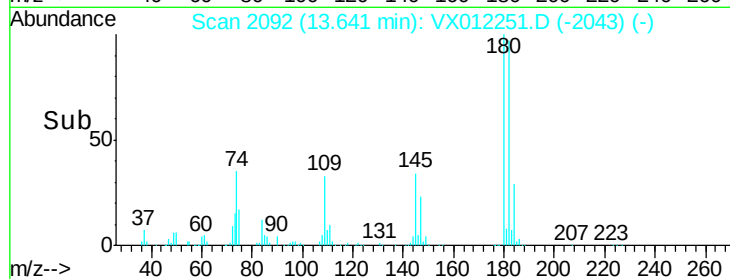
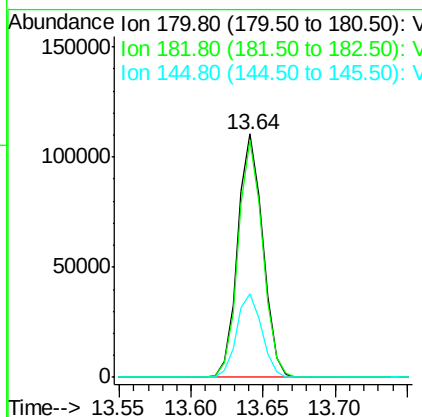
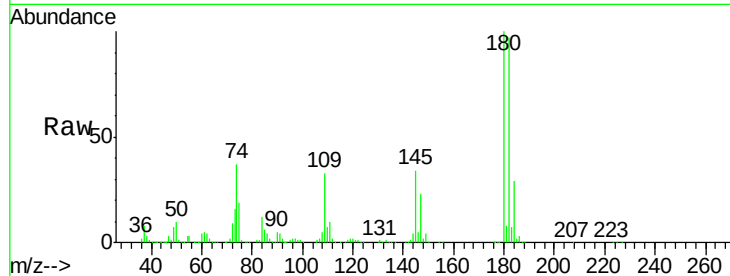
#93
 1,2,4-Trichlorobenzene
 Concen: 55.469 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012251.D
 Acq: 10 Sep 2019 12:44

Instrument :
 MSVOA_X
 ClientSampled :
 ICVVX091019

Tot Ion	Ratio	Resp	Lower	Upper
180	100	134105		
182	94.8	46.9	140.8	
145	34.6	17.1	51.2	

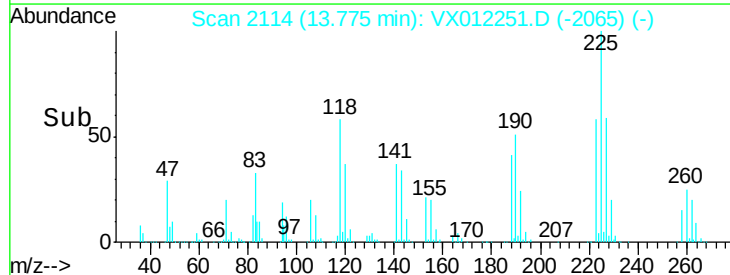
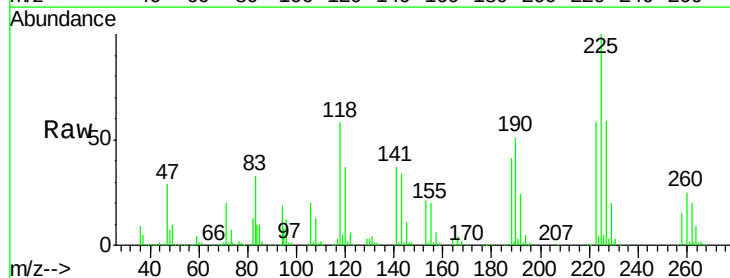
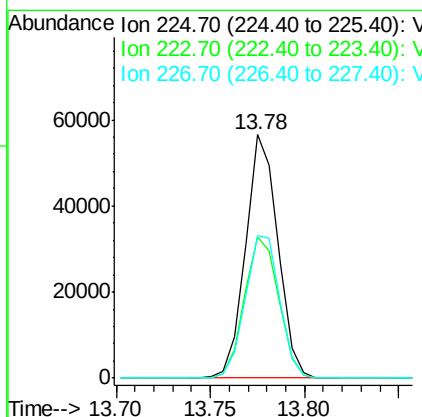
Manual Integrations
 APPROVED

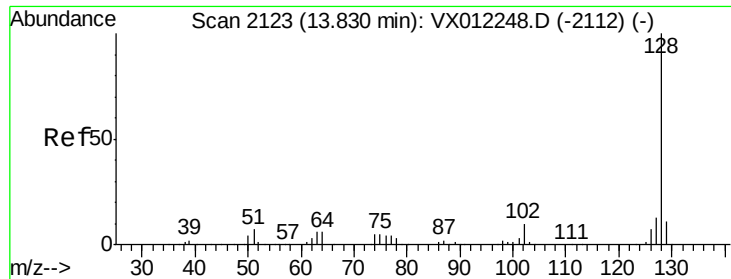
MMDadoda
 9/12/2019 9:00:41 AM



#94
 Hexachlorobutadiene
 Concen: 55.855 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX012251.D
 Acq: 10 Sep 2019 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	67179		
223	61.4	32.1	96.5	
227	62.5	32.5	97.5	





#95

Naphthalene

Concen: 53.910 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX012251.D

Acq: 10 Sep 2019 12:44

Instrument :

MSVOA_X

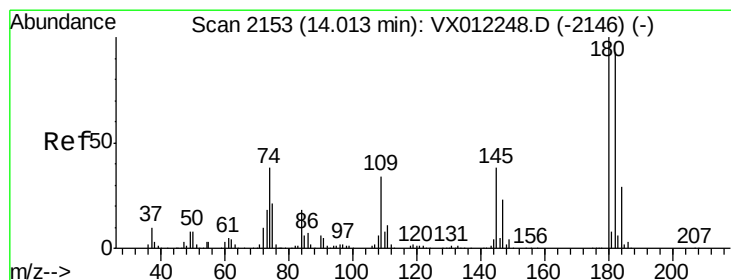
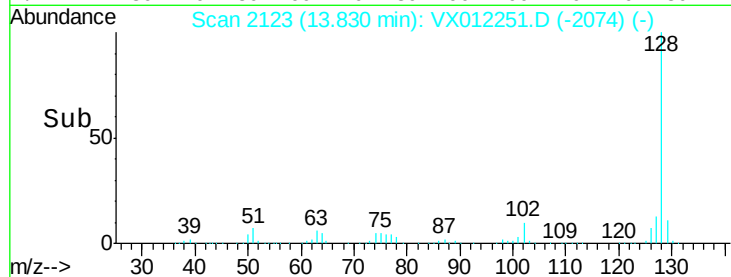
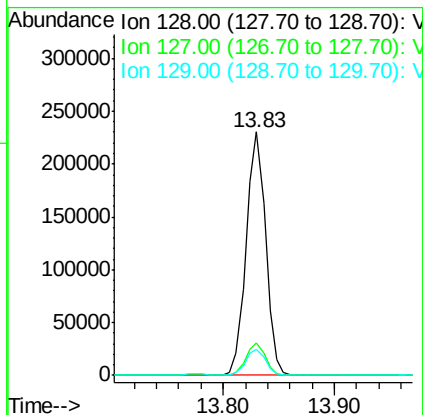
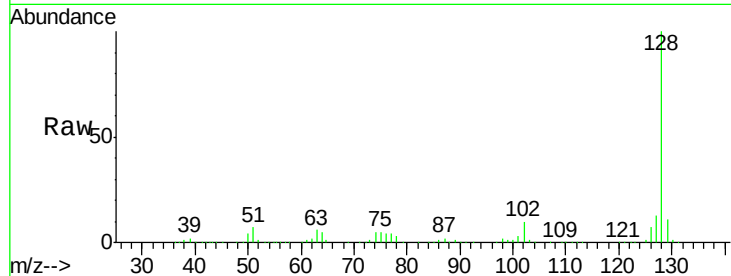
ClientSampleId :

ICVVX091019

Tot Ion:	128	Resp:	279702
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.2	15.2
129	11.1	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
9/12/2019 9:00:41 AM



#96

1,2,3-Trichlorobenzene

Concen: 54.462 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VX012251.D

Acq: 10 Sep 2019 12:44

Tgt Ion:	180	Resp:	116501
Ion Ratio	Lower	Upper	
180	100		
182	96.4	47.0	141.0
145	37.2	18.6	55.8

