

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091719\
 Data File : VX012438.D
 Acq On : 17 Sep 2019 17:55
 Operator : JC/SP
 Sample : VX0917WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0917WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 11:20:28 AM

Quant Time: Sep 18 03:43:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	169658	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	284362	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	251094	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	122348	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	119186	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
35) Dibromofluoromethane	5.48	113	84751	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	
50) Toluene-d8	8.71	98	316227	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
62) 4-Bromofluorobenzene	11.14	95	127325	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	22854	20.424	ug/l	99
3) Chloromethane	1.32	50	18542	19.879	ug/l	100
4) Vinyl Chloride	1.40	62	20565	20.399	ug/l	97
5) Bromomethane	1.63	94	10583	26.721	ug/l	95
6) Chloroethane	1.72	64	14601	18.508	ug/l	96
7) Trichlorofluoromethane	1.92	101	38738	20.962	ug/l	99
8) Diethyl Ether	2.17	74	16543	19.819	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	27374	20.473	ug/l	99
10) Methyl Iodide	2.50	142	18835	19.399	ug/l	98
11) Tert butyl alcohol	3.03	59	58429	91.023	ug/l	96
12) 1,1-Dichloroethene	2.36	96	21626	20.275	ug/l	98
13) Acrolein	2.28	56	17003	78.481	ug/l	95
14) Allyl chloride	2.72	41	48800	19.651	ug/l	97
15) Acrylonitrile	3.12	53	100530	95.409	ug/l	99
16) Acetone	2.43	43	98902	83.724	ug/l	98
17) Carbon Disulfide	2.56	76	28535	20.039	ug/l	100
18) Methyl Acetate	2.76	43	49114	19.384	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	115756	19.904	ug/l	99
20) Methylene Chloride	2.84	84	28413	19.308	ug/l	100
21) trans-1,2-Dichloroethene	3.16	96	22702	20.496	ug/l	97
22) Diisopropyl ether	3.84	45	115906	19.934	ug/l	96
23) Vinyl Acetate	3.80	43	474629	99.232	ug/l	99
24) 1,1-Dichloroethane	3.69	63	56198	20.200	ug/l	99
25) 2-Butanone	4.65	43	149094	88.396	ug/l	96
26) 2,2-Dichloropropane	4.56	77	50587	18.489	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	32998	19.943	ug/l	98
28) Bromochloromethane	5.00	49	27874	19.435	ug/l	98
29) Tetrahydrofuran	5.12	42	89062	95.583	ug/l	100
30) Chloroform	5.20	83	62049	19.420	ug/l	94
31) Cyclohexane	5.56	56	35257	20.994	ug/l	95
32) 1,1,1-Trichloroethane	5.48	97	53449	20.015	ug/l	100
36) 1,1-Dichloropropene	5.78	75	34406	19.908	ug/l	97
37) Ethyl Acetate	4.81	43	53929	20.329	ug/l	98
38) Carbon Tetrachloride	5.77	117	41859	19.474	ug/l	97

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Instrument :
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Manual Integrations
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Quant Time: Sep 18 03:43:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	36059	21.463	ug/l	97
40) Benzene	6.13	78	111376	20.266	ug/l	98
41) Methacrylonitrile	5.03	41	32754	19.175	ug/l	97
42) 1,2-Dichloroethane	6.18	62	50793	19.927	ug/l	100
43) Isopropyl Acetate	6.43	43	91455	19.208	ug/l	99
44) Trichloroethene	7.20	130	28708	19.858	ug/l	93
45) 1,2-Dichloropropane	7.51	63	32623	19.322	ug/l	96
46) Dibromomethane	7.65	93	21489	19.668	ug/l	98
47) Bromodichloromethane	7.89	83	48209	19.816	ug/l	99
48) Methyl methacrylate	7.76	41	42527	18.948	ug/l	99
49) 1,4-Dioxane	7.73	88	20114	368.216	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	293628	94.038	ug/l	99
52) Toluene	8.78	92	71789	20.272	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	49637	19.628	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	52068	19.888	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	35325	19.362	ug/l	99
56) Ethyl methacrylate	9.17	69	55022	19.289	ug/l	98
57) 1,3-Dichloropropane	9.37	76	57901	19.891	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.30	63	150097	101.654	ug/l	99
59) 2-Hexanone	9.48	43	225167	92.433	ug/l	100
60) Dibromochloromethane	9.57	129	36722	19.760	ug/l	98
61) 1,2-Dibromoethane	9.67	107	34025	20.420	ug/l	98
64) Tetrachloroethene	9.33	164	24667	21.438	ug/l	96
65) Chlorobenzene	10.14	112	83853	20.233	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	35845	20.840	ug/l	98
67) Ethyl Benzene	10.25	91	147908	20.773	ug/l	99
68) m/p-Xylenes	10.36	106	109328	42.201	ug/l	99
69) o-Xylene	10.70	106	55422	20.802	ug/l	99
70) Styrene	10.71	104	97715	20.729	ug/l	99
71) Bromoform	10.85	173	24999	18.782	ug/l #	99
73) Isopropylbenzene	11.01	105	155876	20.305	ug/l	99
74) N-amyl acetate	10.89	43	80547	19.489	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	57569	19.117	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	57229m	20.363	ug/l	
77) Bromobenzene	11.25	156	37224	19.883	ug/l	99
78) n-propylbenzene	11.35	91	177418	20.736	ug/l	99
79) 2-Chlorotoluene	11.42	91	113077	20.315	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	137880	21.060	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	16777	18.469	ug/l	91
82) 4-Chlorotoluene	11.51	91	133072	20.831	ug/l	98
83) tert-Butylbenzene	11.76	119	143992	20.525	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	140968	20.971	ug/l	100
85) sec-Butylbenzene	11.94	105	161672	20.914	ug/l	99
86) p-Isopropyltoluene	12.06	119	147723	20.811	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	73054	20.744	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	73274	20.255	ug/l	99
89) n-Butylbenzene	12.39	91	127890	20.193	ug/l	99
90) Hexachloroethane	12.59	117	26039	20.006	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	72898	19.805	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.99	75	14405	18.451	ug/l	97

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ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VX0917WBS01

Manual Integrations
APPROVED

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Quant Title : SW846 8260
QLast Update : Tue Sep 17 15:27:10 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	48195	20.328	ug/l	99
94) Hexachlorobutadiene	13.78	225	22020	19.706	ug/l	97
95) Naphthalene	13.83	128	168172	19.935	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	49164	20.349	ug/l	98

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

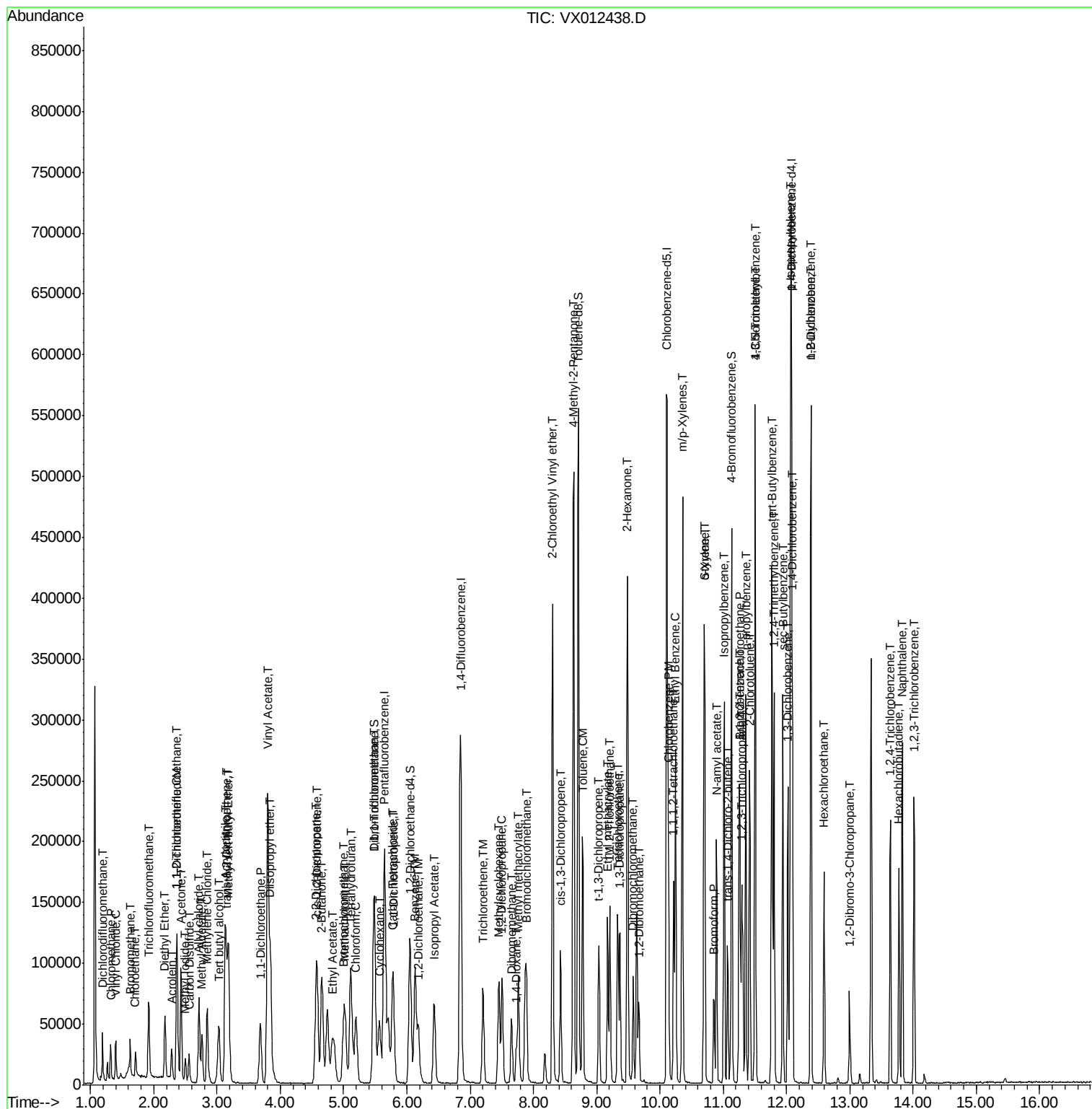
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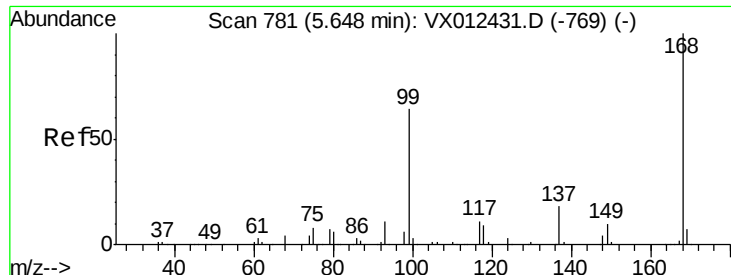
Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012438.D

Acq: 17 Sep 2019 17:55

Instrument :

MSVOA_X

ClientSampleId :

VX0917WBS01

Tot Ion:168 Resp: 169658

Ion Ratio Lower Upper

168 100

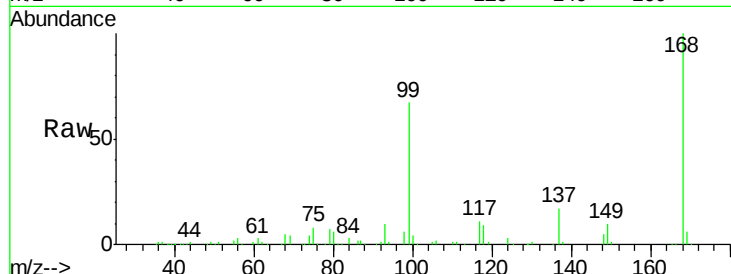
99 66.8 51.4 77.2

Manual Integrations

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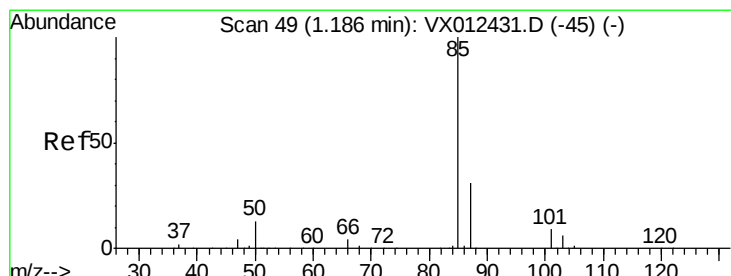
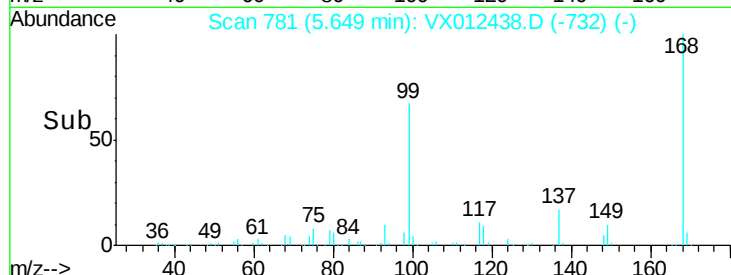
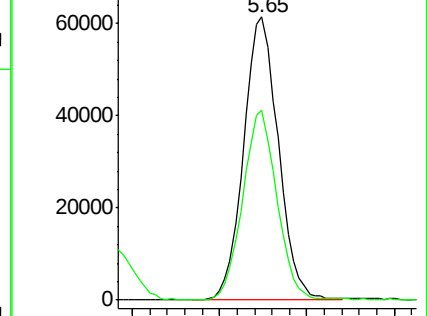
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 20.424 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012438.D

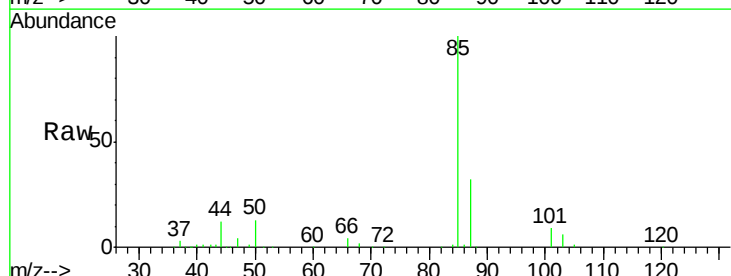
Acq: 17 Sep 2019 17:55

Tgt Ion: 85 Resp: 22854

Ion Ratio Lower Upper

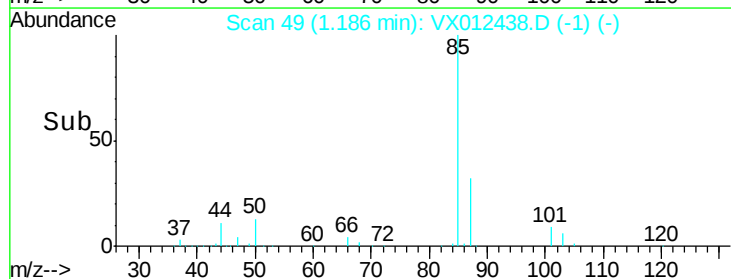
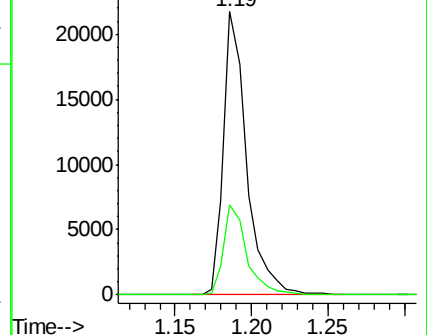
85 100

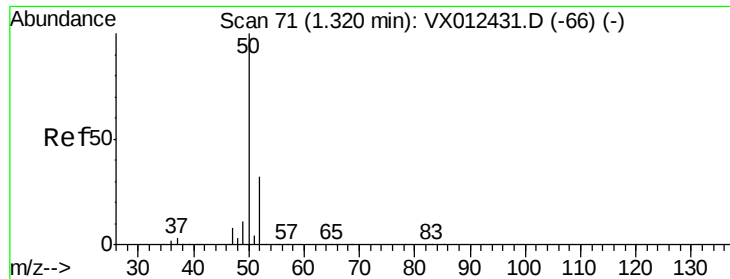
87 31.8 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 19.879 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012438.D

Acq: 17 Sep 2019 17:55

Instrument :

MSVOA_X

ClientSampleId :

VX0917WBS01

Tot Ion: 50 Resp: 18542

Ion Ratio Lower Upper

50 100

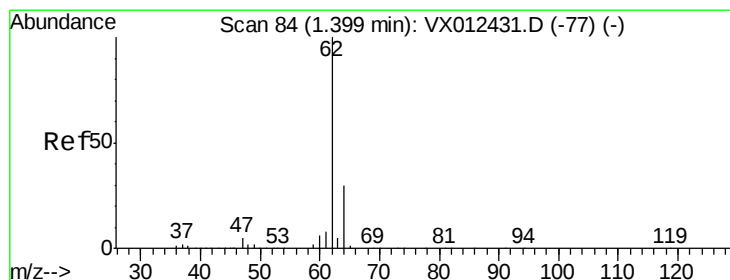
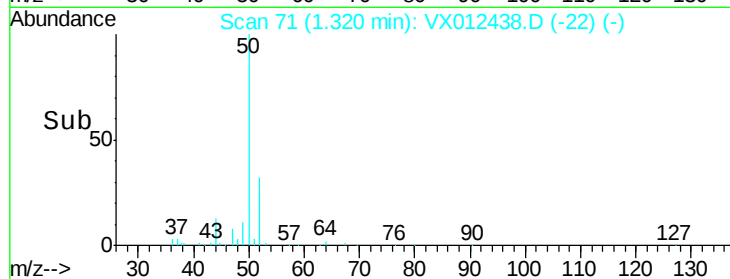
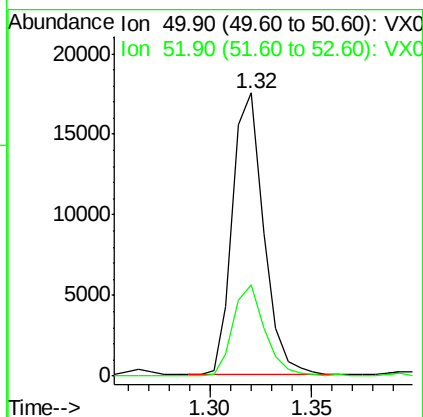
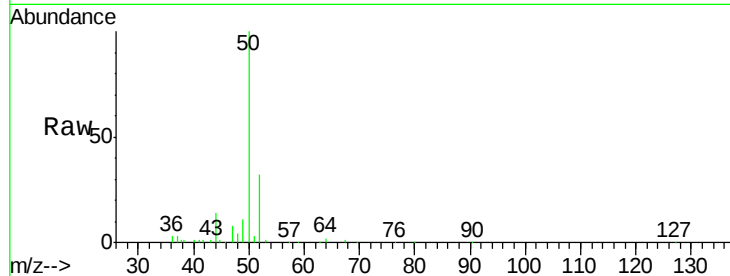
52 32.3 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.399 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012438.D

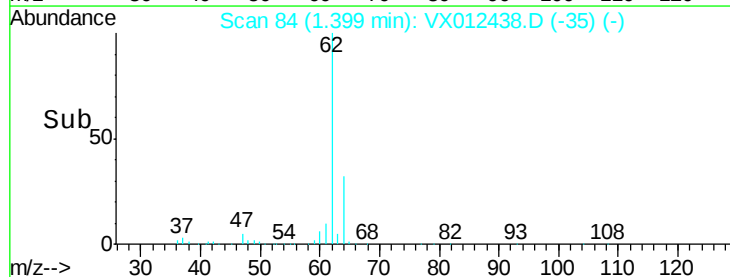
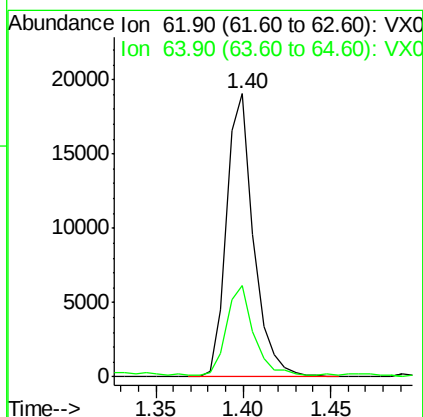
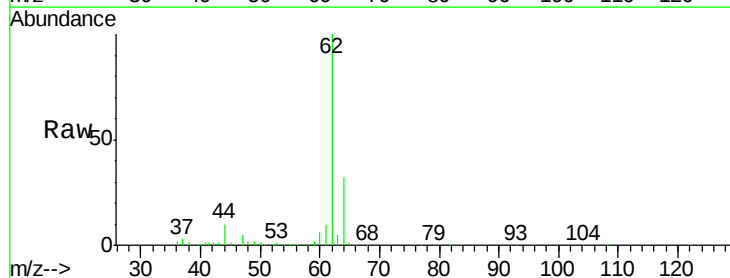
Acq: 17 Sep 2019 17:55

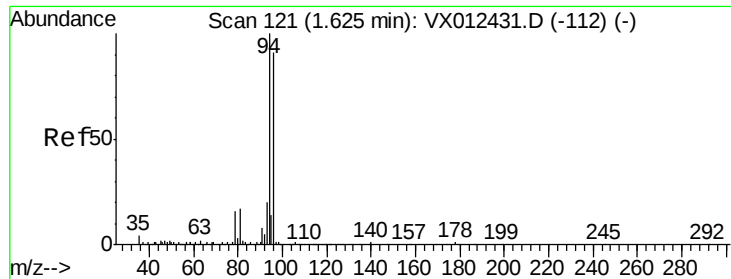
Tgt Ion: 62 Resp: 20565

Ion Ratio Lower Upper

62 100

64 31.7 24.2 36.2





#5

Bromomethane

Concen: 26.721 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012438.D

Acq: 17 Sep 2019 17:55

Instrument :

MSVOA_X

ClientSampleId :

VX0917WBS01

Tot Ion: 94 Resp: 10583

Ion Ratio Lower Upper

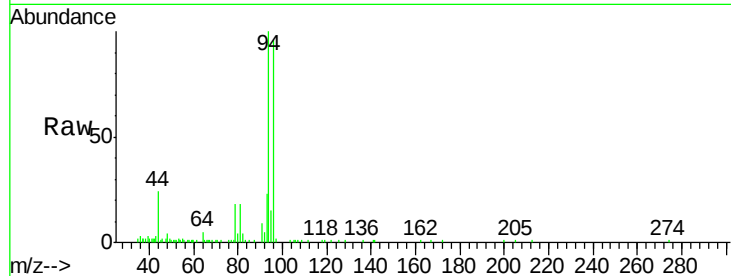
94 100

96 96.1 72.8 109.2

Manual Integrations
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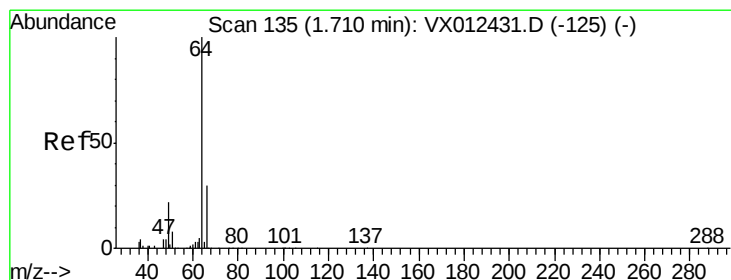
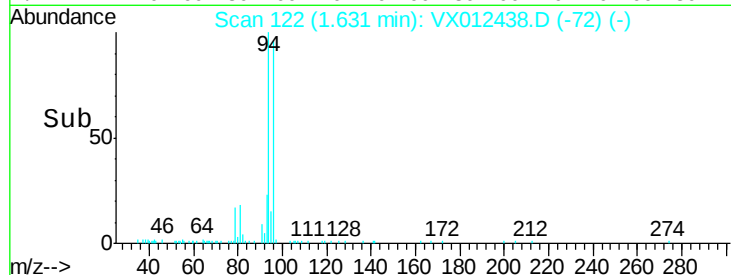
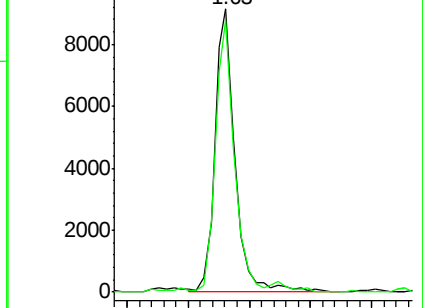
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.508 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX012438.D

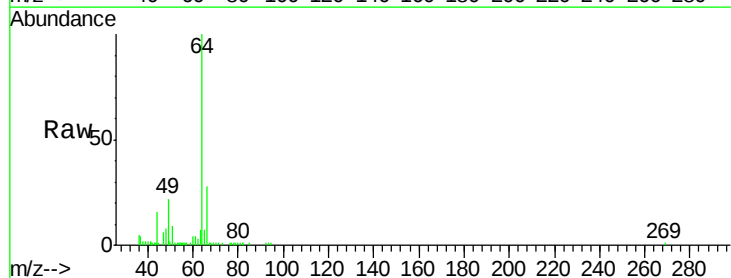
Acq: 17 Sep 2019 17:55

Tgt Ion: 64 Resp: 14601

Ion Ratio Lower Upper

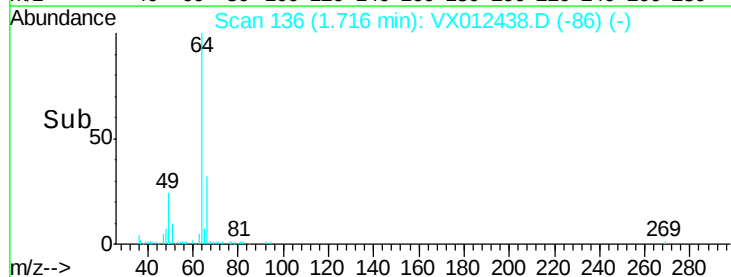
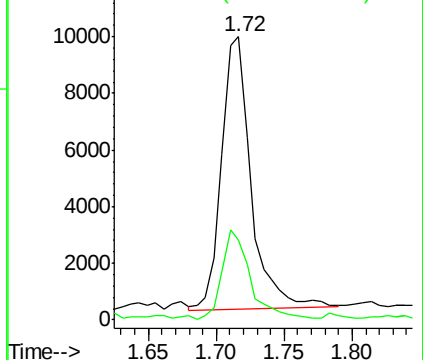
64 100

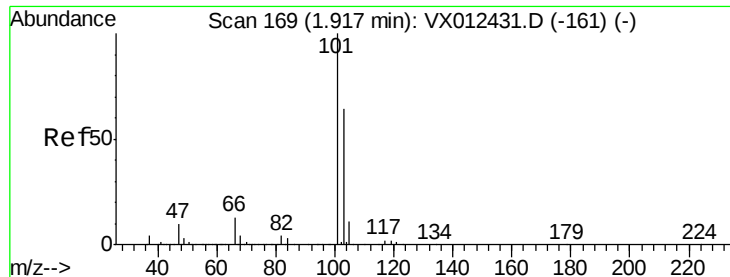
66 28.0 24.0 36.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

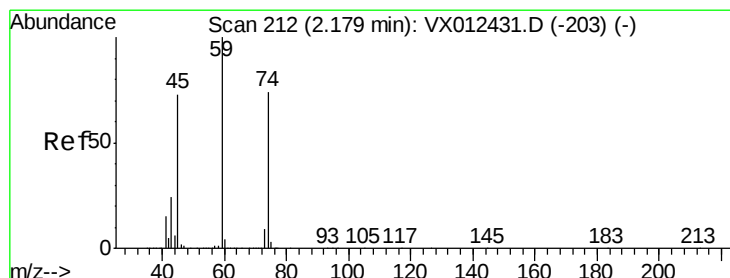
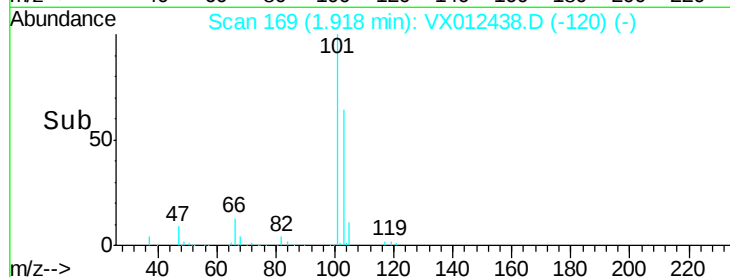
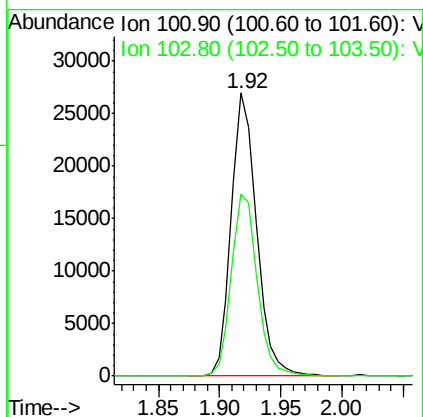
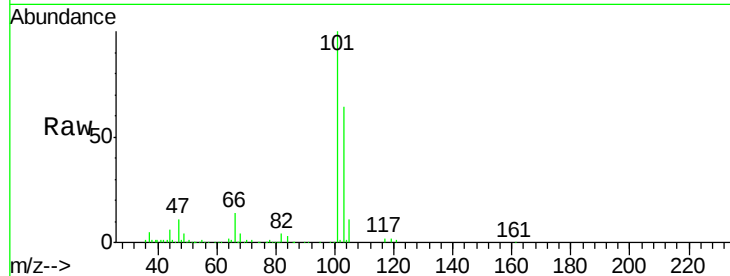
Trichlorofluoromethane
 Concen: 20.962 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX012438.D
 Acq: 17 Sep 2019 17:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0917WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.0	76.4

Manual Integrations
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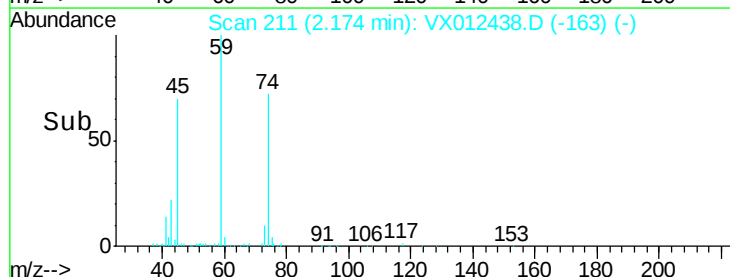
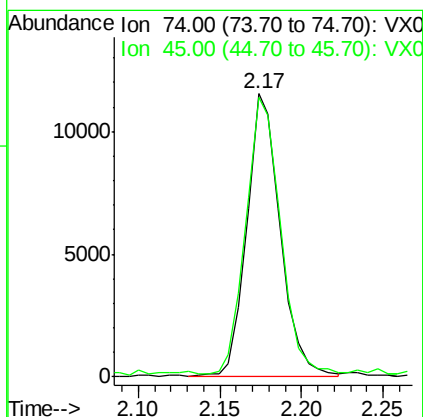
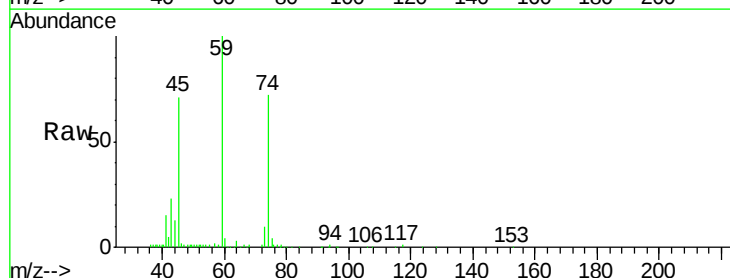
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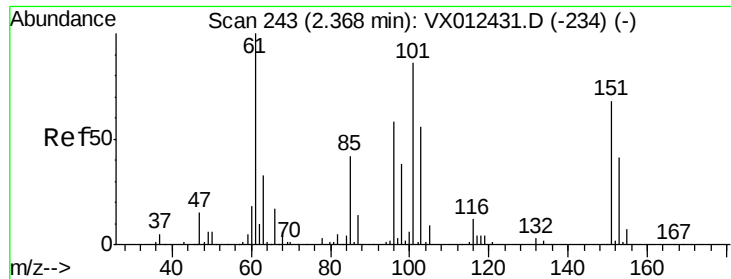


#8

Diethyl Ether
 Concen: 19.819 ug/l
 RT: 2.17 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX012438.D
 Acq: 17 Sep 2019 17:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.8	49.9	149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.473 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX012438.D

Acq: 17 Sep 2019 17:55

Instrument :

MSVOA_X

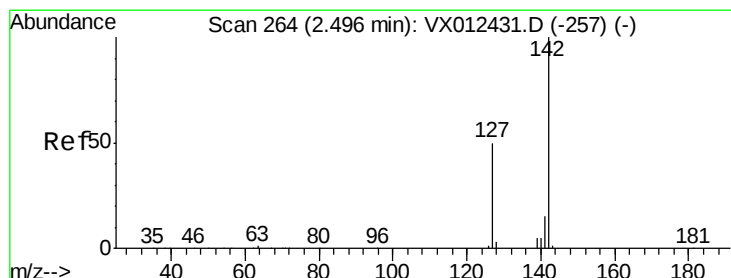
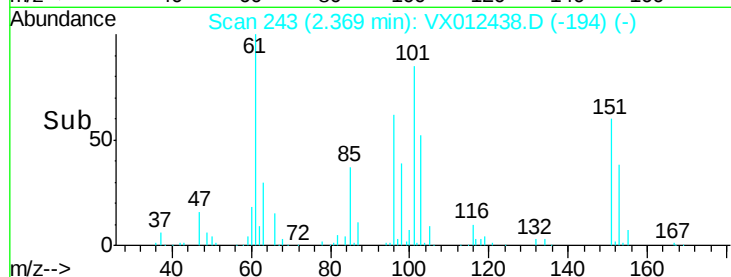
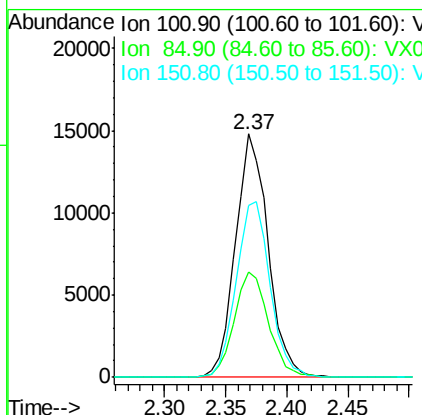
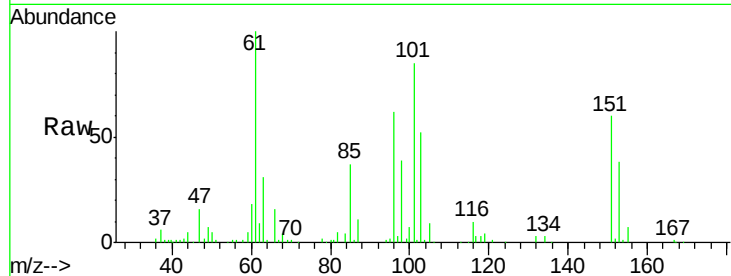
ClientSampleId :

VX0917WBS01

Tot Ion:	101	Resp:	27374
Ion Ratio	Lower	Upper	
101	100		
85	45.5	37.3	55.9
151	75.1	61.0	91.4

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#10

Methyl Iodide

Concen: 19.399 ug/l

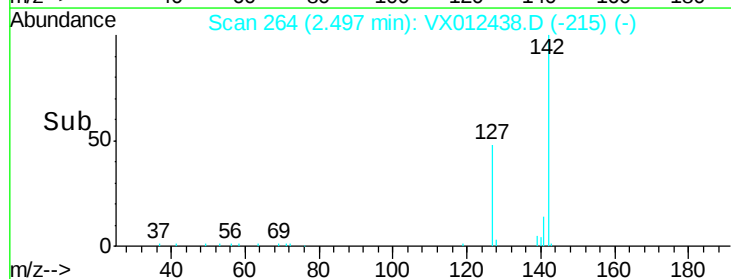
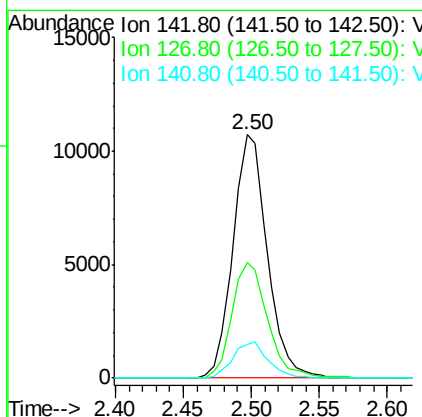
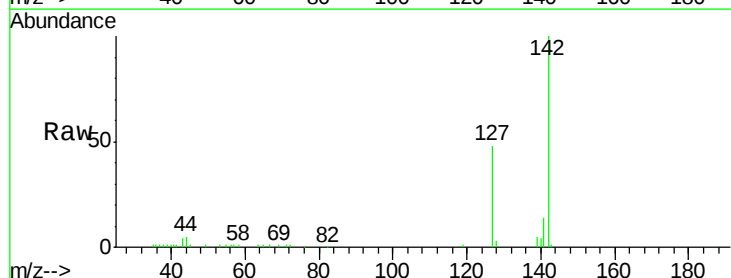
RT: 2.50 min Scan# 264

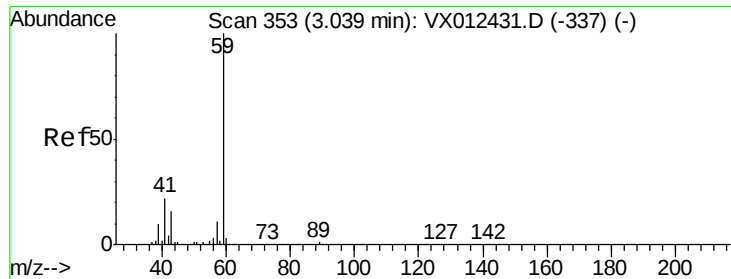
Delta R.T. 0.00 min

Lab File: VX012438.D

Acq: 17 Sep 2019 17:55

Tgt Ion:	142	Resp:	18835
Ion Ratio	Lower	Upper	
142	100		
127	49.3	40.8	61.2
141	15.4	12.1	18.1





#11

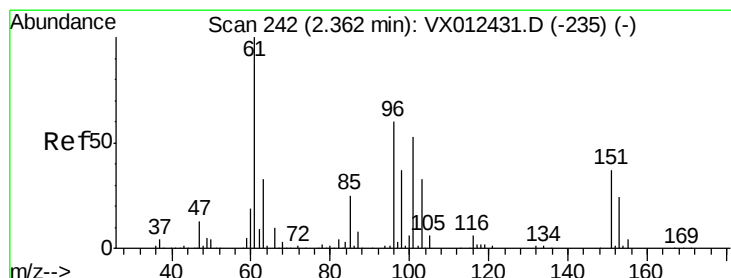
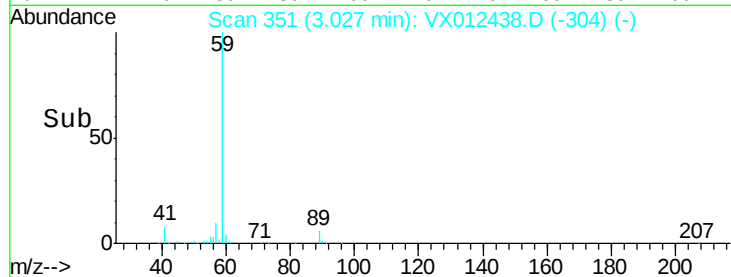
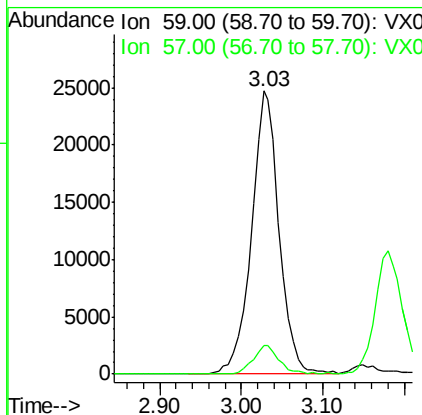
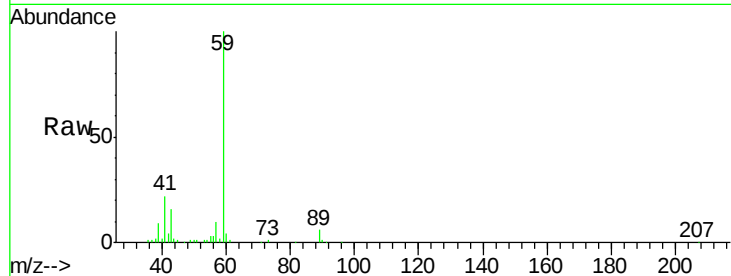
Tert butyl alcohol
Concen: 91.023 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX012438.D
Acq: 17 Sep 2019 17:55

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tot Ion	59.00	Resp	58429
Ion	Ratio	Lower	Upper
59	100		
57	9.0	8.3	12.5

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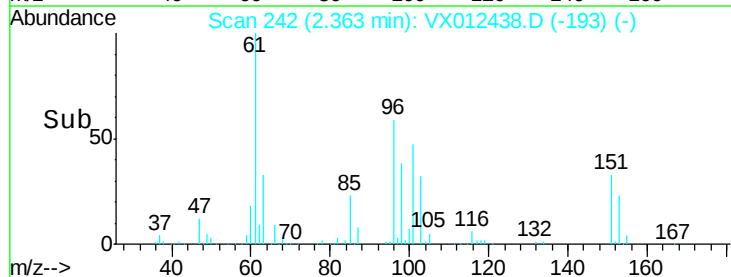
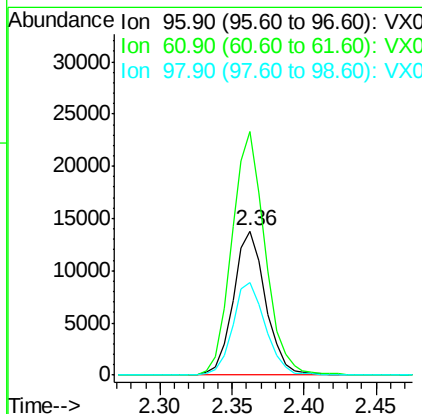
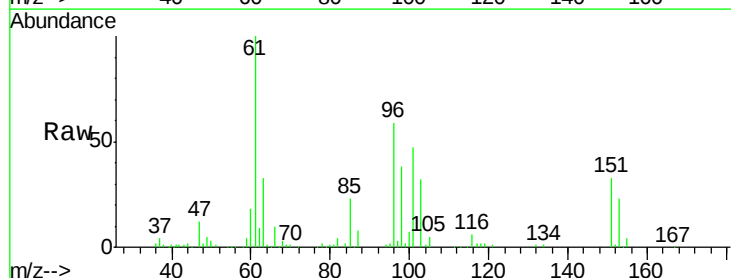
MMDadoda
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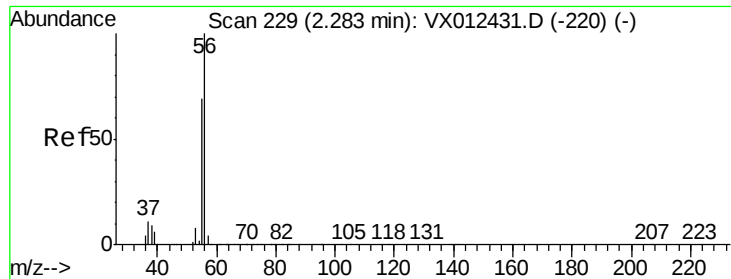


#12

1,1-Dichloroethene
Concen: 20.275 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX012438.D
Acq: 17 Sep 2019 17:55

Tgt Ion	96	Resp	21626
Ion	Ratio	Lower	Upper
96	100		
61	168.8	133.8	200.6
98	64.4	49.9	74.9





#13

Acrolein

Concen: 78.481 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012438.D

Acq: 17 Sep 2019 17:55

Instrument :

MSVOA_X

ClientSampleId :

VX0917WBS01

Tot Ion: 56 Resp: 17003

Ion Ratio Lower Upper

56 100

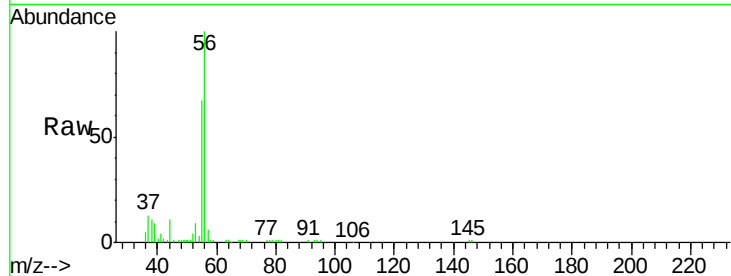
55 74.1 55.8 83.8

Manual Integrations

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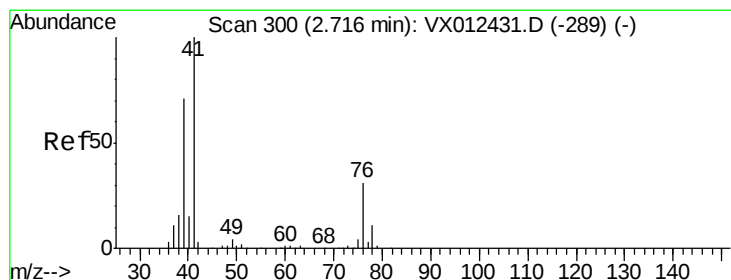
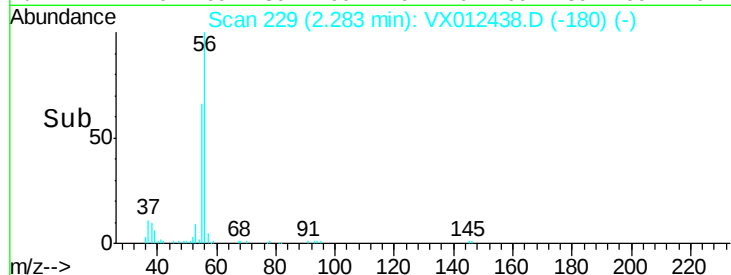
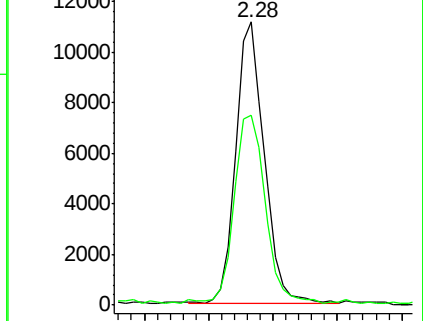
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 19.651 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012438.D

Acq: 17 Sep 2019 17:55

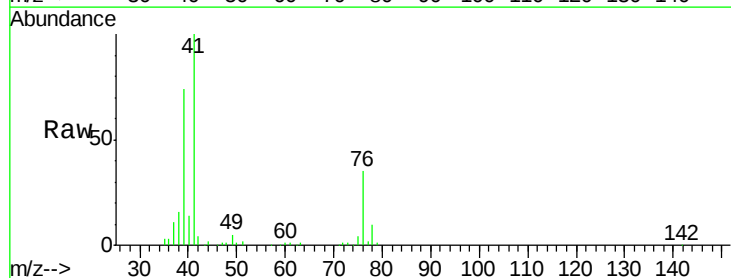
Tgt Ion: 41 Resp: 48800

Ion Ratio Lower Upper

41 100

39 67.6 51.3 76.9

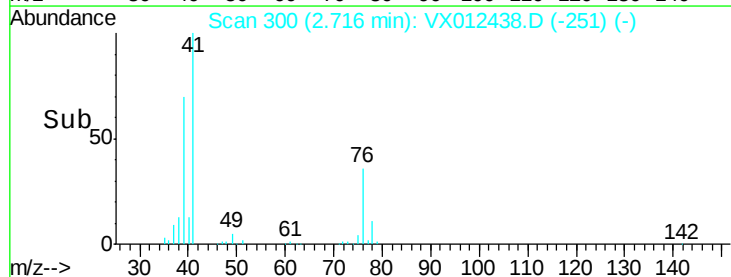
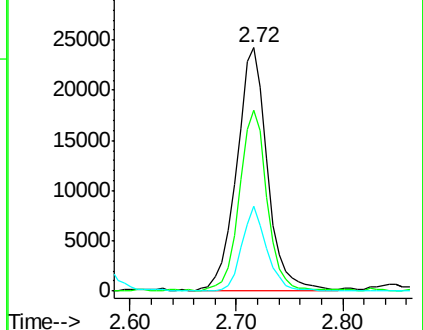
76 28.5 22.6 33.8

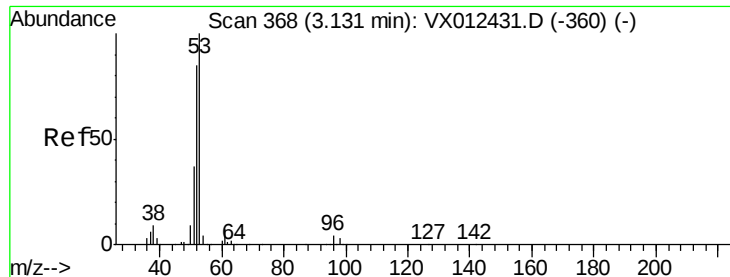


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 95.409 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX012438.D

Acq: 17 Sep 2019 17:55

Instrument :

MSVOA_X

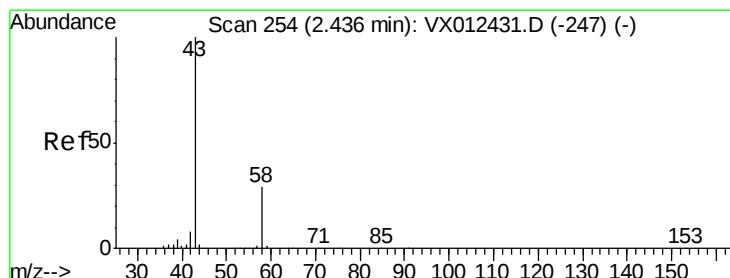
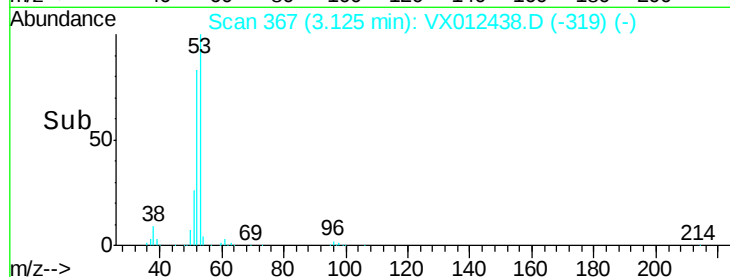
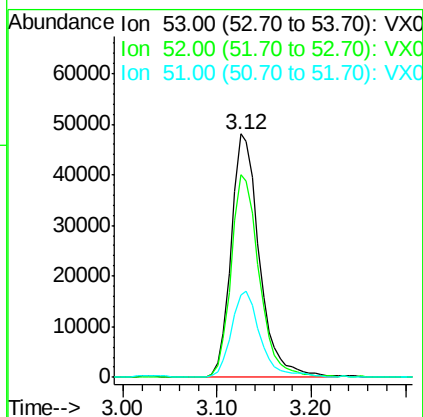
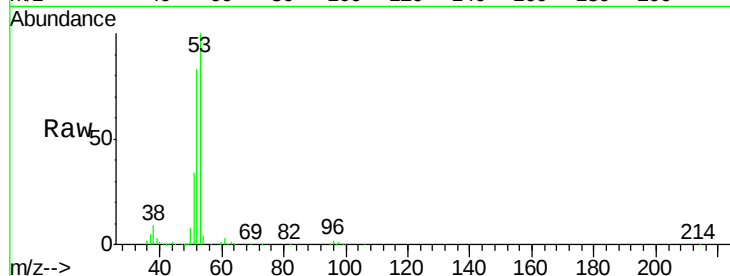
ClientSampleId :

VX0917WBS01

Tot Ion:	53	Resp:	100530
Ion	Ratio	Lower	Upper
53	100		
52	83.2	67.0	100.4
51	36.5	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 83.724 ug/l

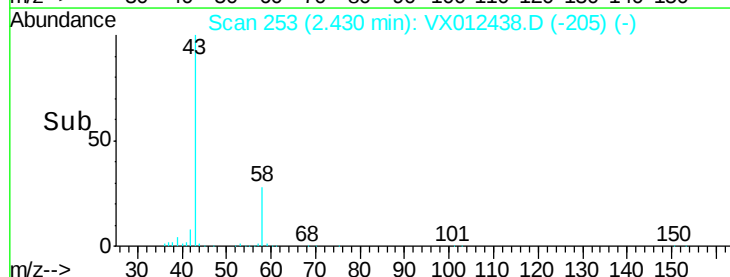
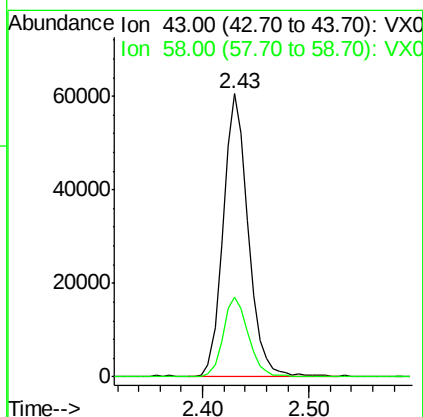
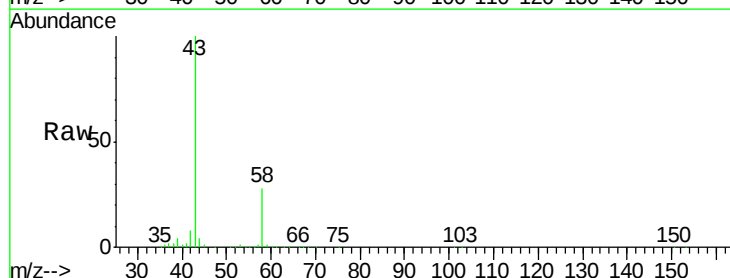
RT: 2.43 min Scan# 253

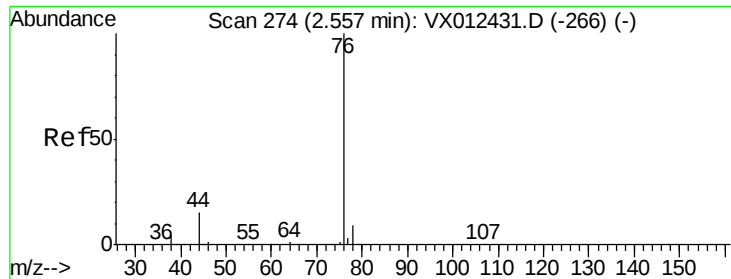
Delta R.T. -0.01 min

Lab File: VX012438.D

Acq: 17 Sep 2019 17:55

Tgt Ion:	43	Resp:	98902
Ion	Ratio	Lower	Upper
43	100		
58	28.2	23.3	34.9





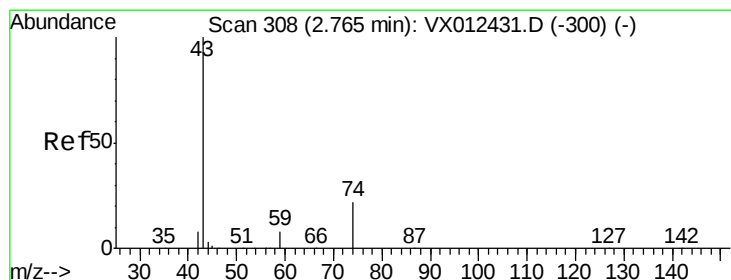
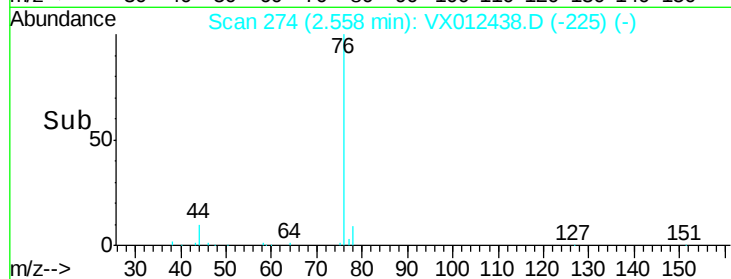
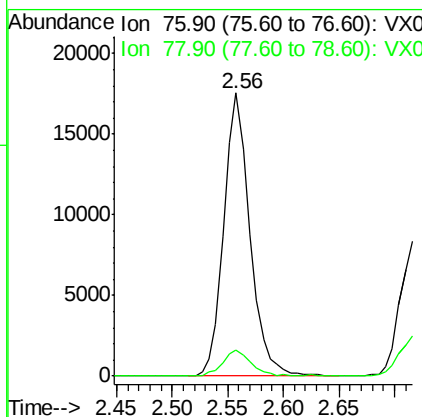
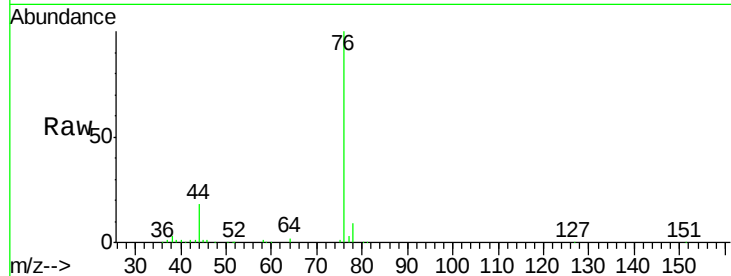
#17
Carbon Disulfide
Concen: 20.039 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX012438.D
Acq: 17 Sep 2019 17:55

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tot Ion	76	Resp	28535
Ion Ratio	100	Lower	Upper
76	100		
78	9.2	7.3	10.9

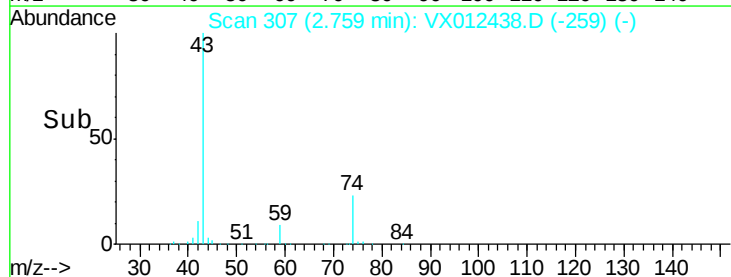
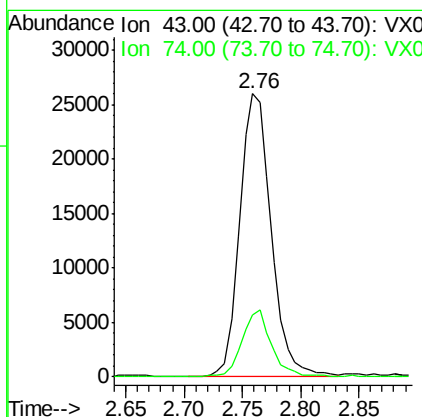
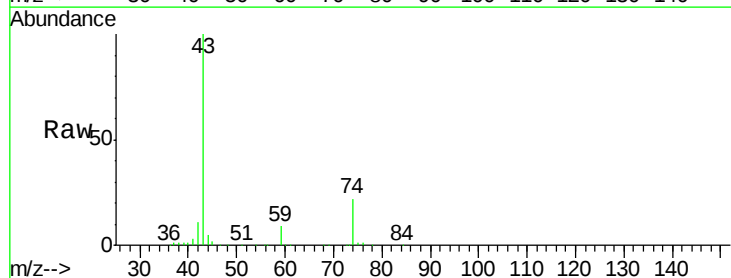
Manual Integrations
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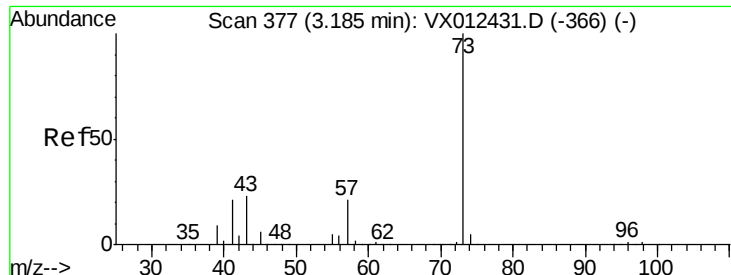
MMDadoda
9/18/2019 11:20:28 AM



#18
Methyl Acetate
Concen: 19.384 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX012438.D
Acq: 17 Sep 2019 17:55

Tgt Ion	43	Resp	49114
Ion Ratio	100	Lower	Upper
43	100		
74	22.1	17.7	26.5





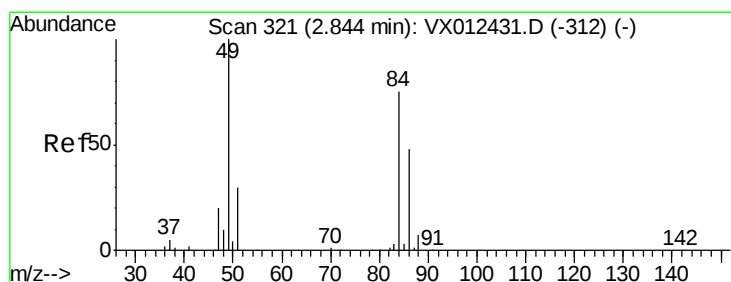
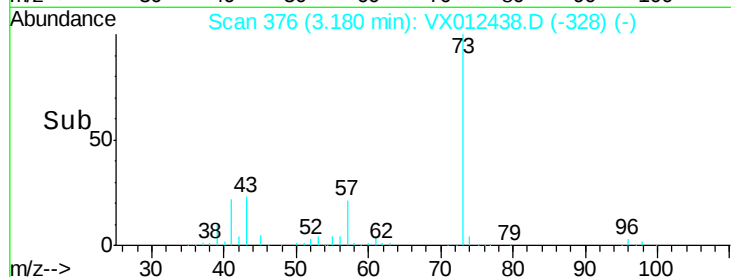
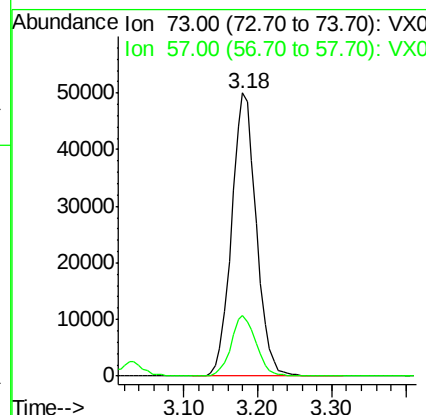
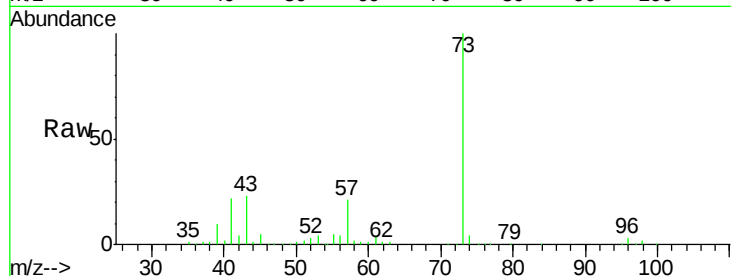
#19
Methvl tert-butvl Ether
Concen: 19.904 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX012438.D
Acq: 17 Sep 2019 17:55

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tot Ion: 73 Resp: 115756
Ion Ratio Lower Upper
73 100
57 21.5 16.8 25.2

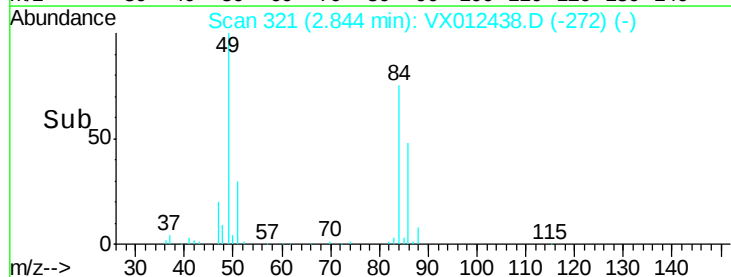
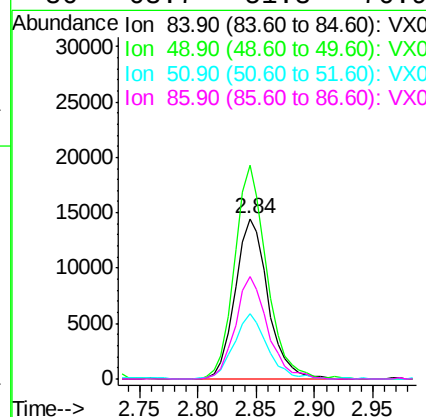
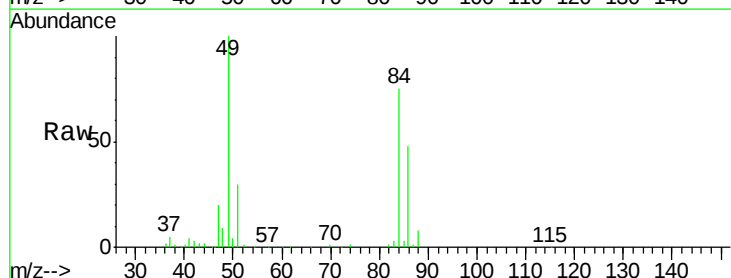
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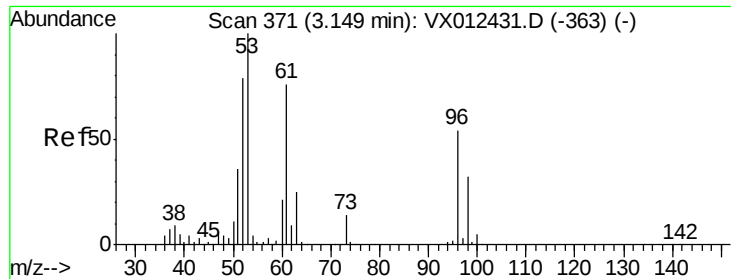
MMDadoda
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#20
Methylene Chloride
Concen: 19.308 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012438.D
Acq: 17 Sep 2019 17:55

Tgt Ion: 84 Resp: 28413
Ion Ratio Lower Upper
84 100
49 133.1 106.8 160.2
51 40.5 32.3 48.5
86 63.7 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 20.496 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012438.D

Acq: 17 Sep 2019 17:55

Instrument :

MSVOA_X

ClientSampleId :

VX0917WBS01

Tot Ion: 96 Resp: 22702

Ion Ratio Lower Upper

96 100

61 136.4 112.0 168.0

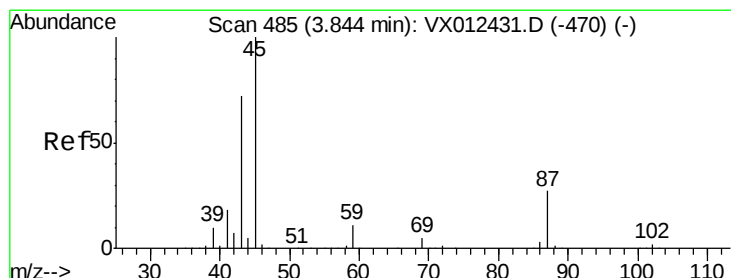
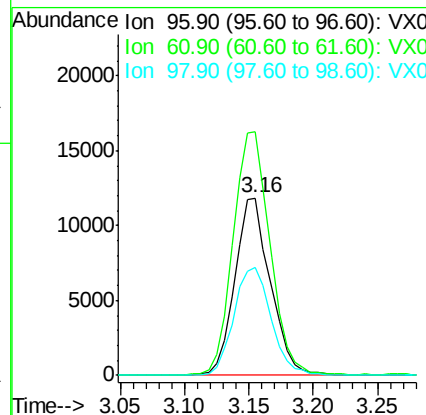
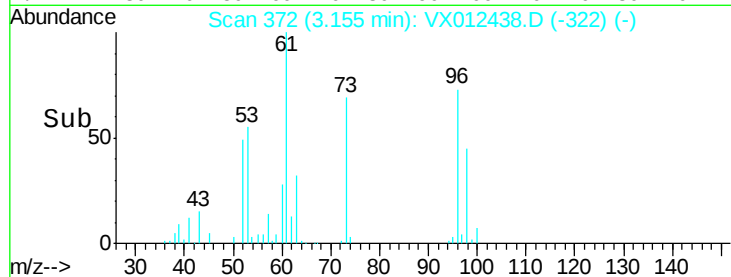
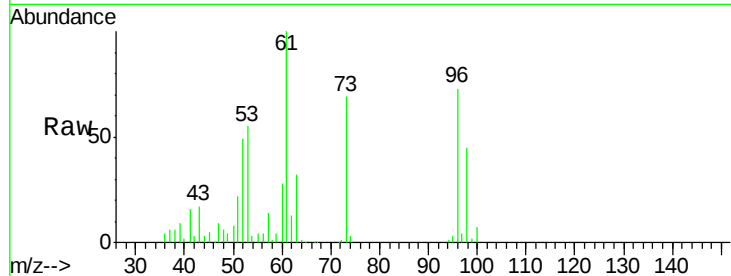
98 61.1 47.8 71.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 19.934 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX012438.D

Acq: 17 Sep 2019 17:55

Tgt Ion: 45 Resp: 115906

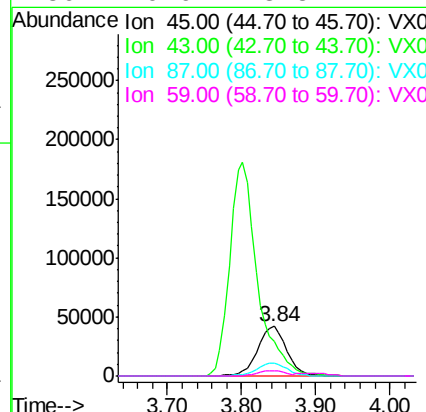
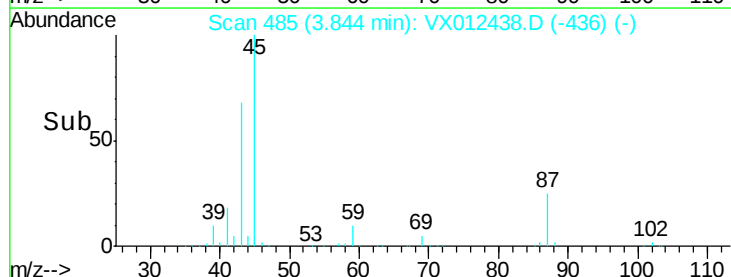
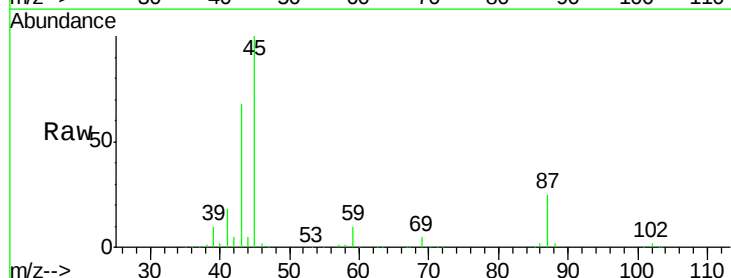
Ion Ratio Lower Upper

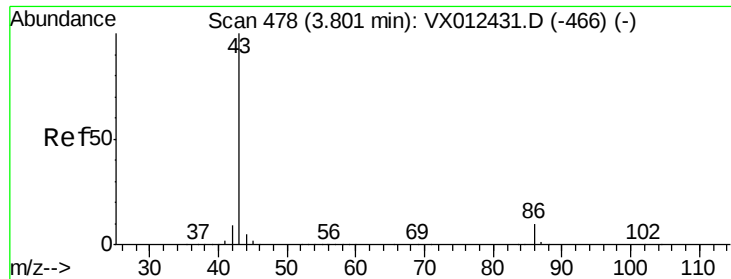
45 100

43 68.3 57.8 86.8

87 25.5 21.3 31.9

59 9.9 8.5 12.7





#23

Vinyl Acetate

Concen: 99.232 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012438.D

Acq: 17 Sep 2019 17:55

Instrument :

MSVOA_X

ClientSampleId :

VX0917WBS01

Tot Ion: 43 Resp: 474629

Ion Ratio Lower Upper

43 100

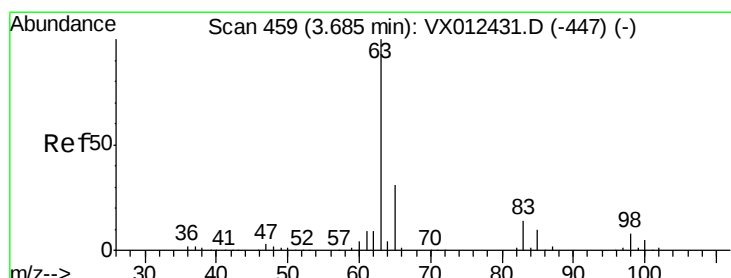
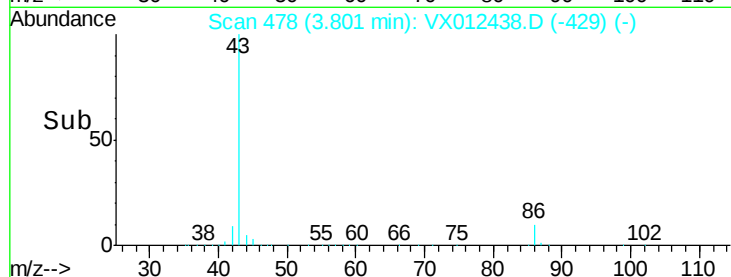
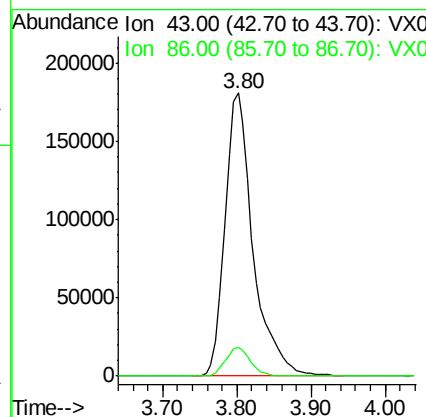
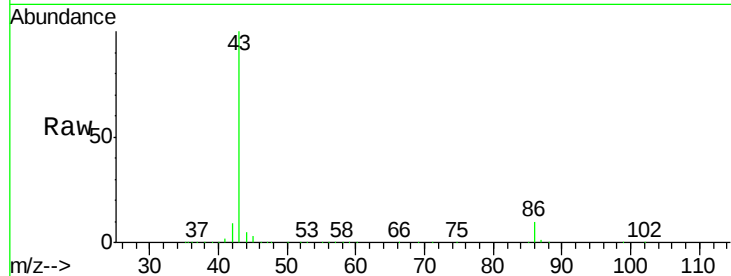
86 10.2 7.8 11.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.200 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012438.D

Acq: 17 Sep 2019 17:55

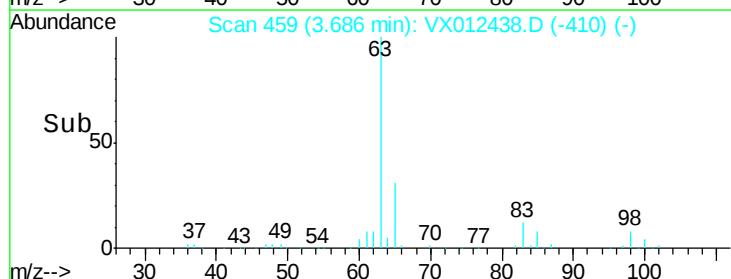
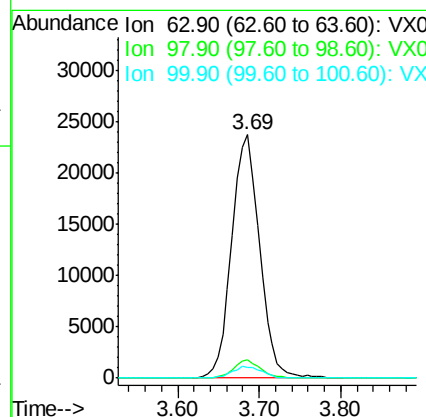
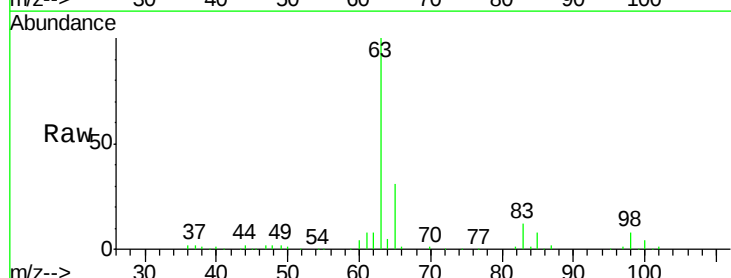
Tgt Ion: 63 Resp: 56198

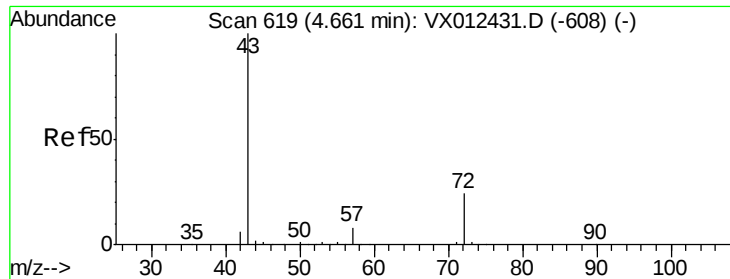
Ion Ratio Lower Upper

63 100

98 7.6 3.9 11.7

100 4.4 2.3 6.9





#25

2-Butanone

Concen: 88.396 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX012438.D

Acq: 17 Sep 2019 17:55

Instrument :

MSVOA_X

ClientSampleId :

VX0917WBS01

Tot Ion: 43 Resp: 149094

Ion Ratio Lower Upper

43 100

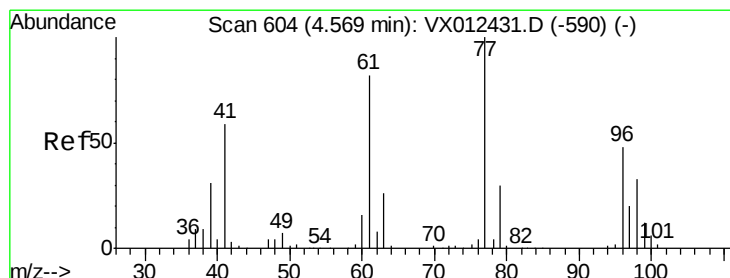
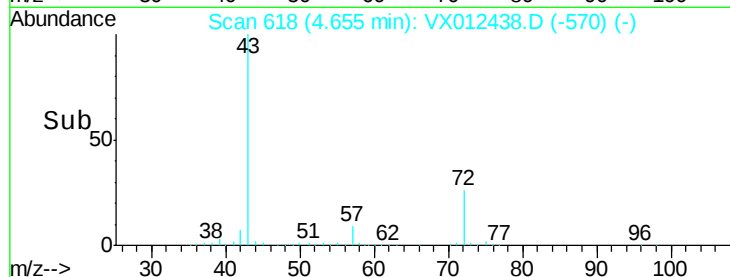
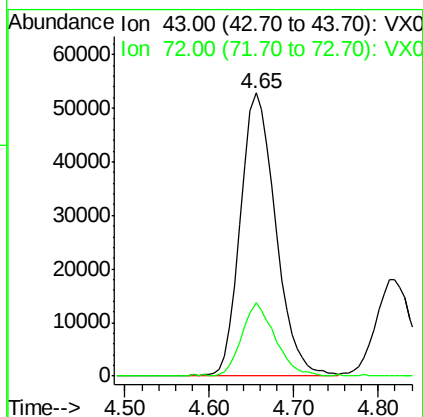
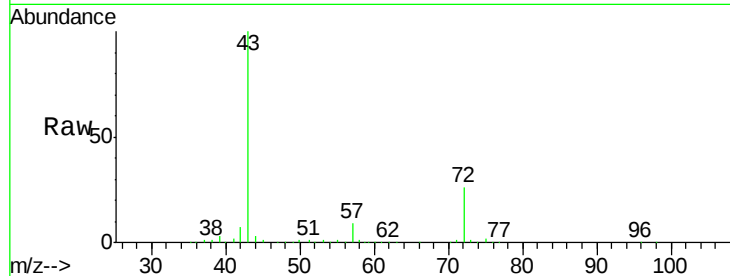
72 25.9 19.2 28.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.489 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX012438.D

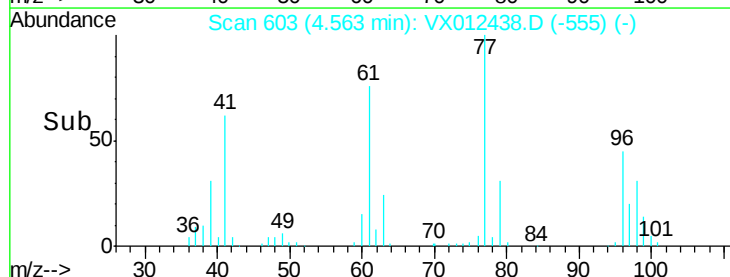
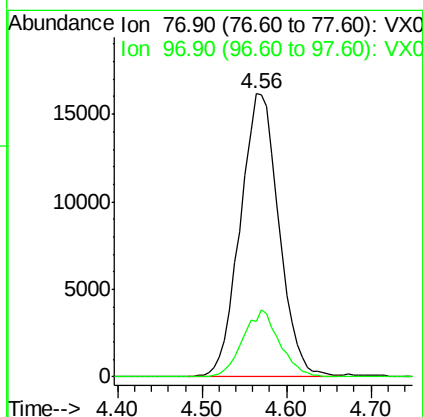
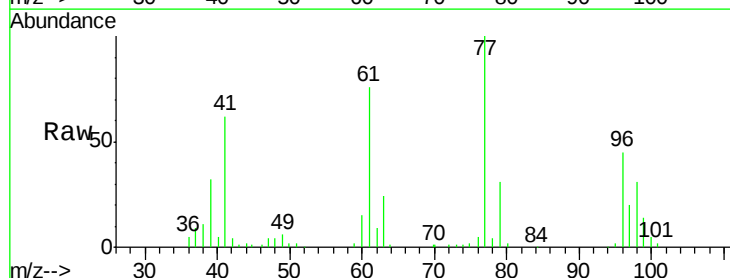
Acq: 17 Sep 2019 17:55

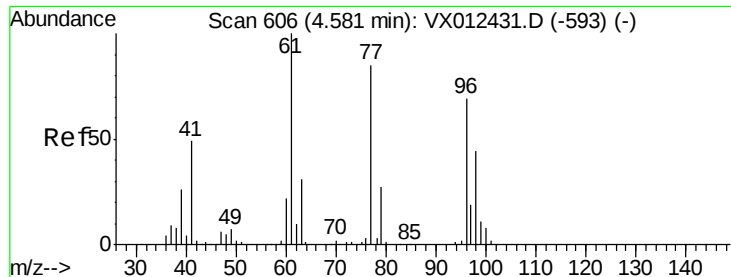
Tgt Ion: 77 Resp: 50587

Ion Ratio Lower Upper

77 100

97 22.3 10.5 31.6





#27

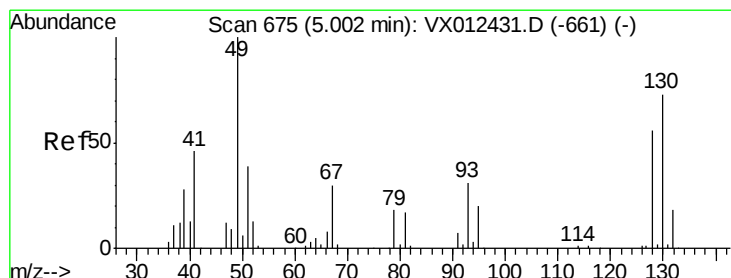
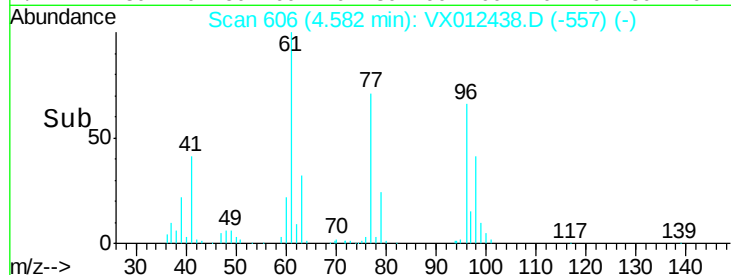
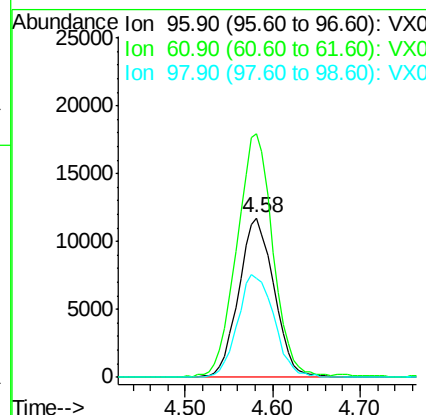
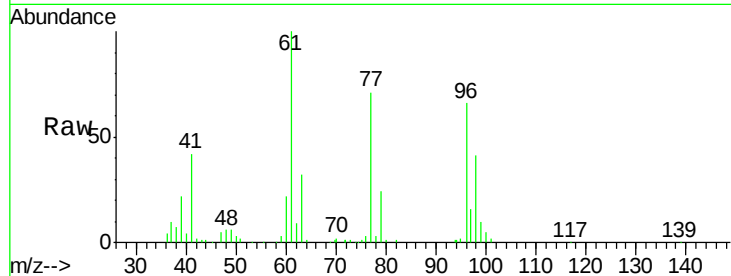
cis-1,2-Dichloroethene
Concen: 19.943 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX012438.D
Acq: 17 Sep 2019 17:55

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.3	0.0	319.4
98	66.2	0.0	130.6

Manual Integrations
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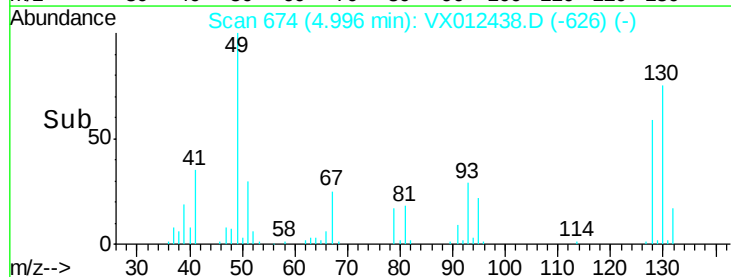
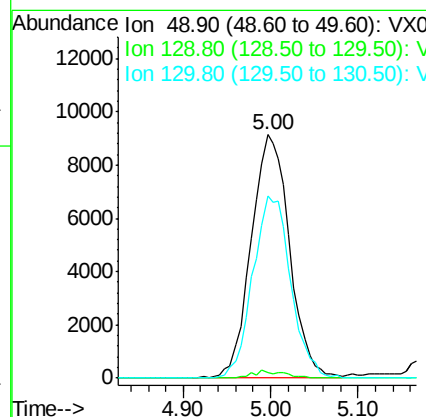
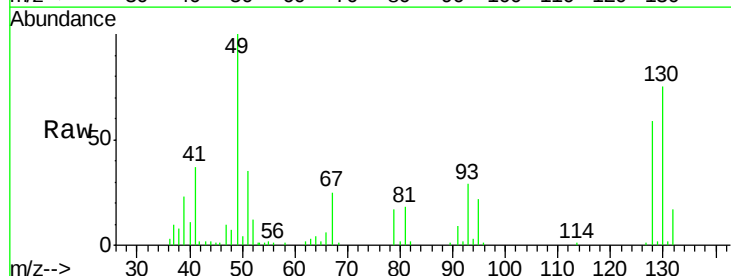
MMDadoda
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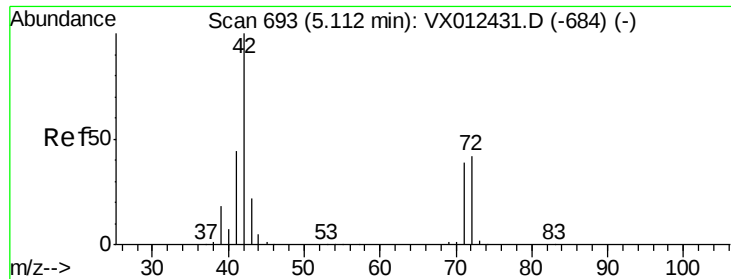


#28

Bromochloromethane
Concen: 19.435 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX012438.D
Acq: 17 Sep 2019 17:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.8
130	74.1	58.2	87.4





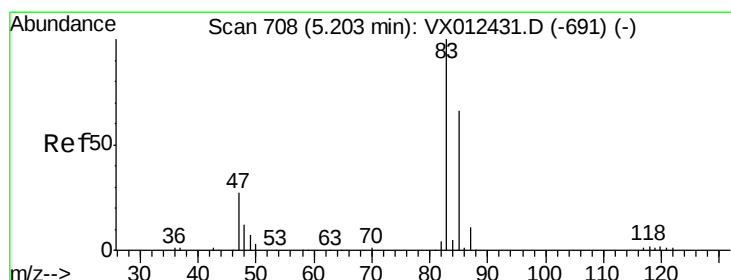
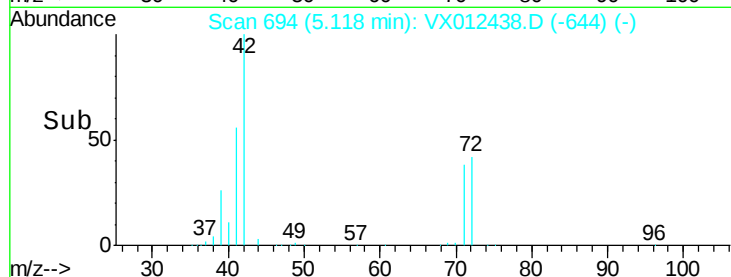
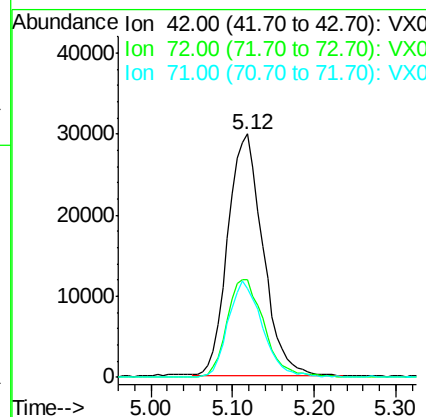
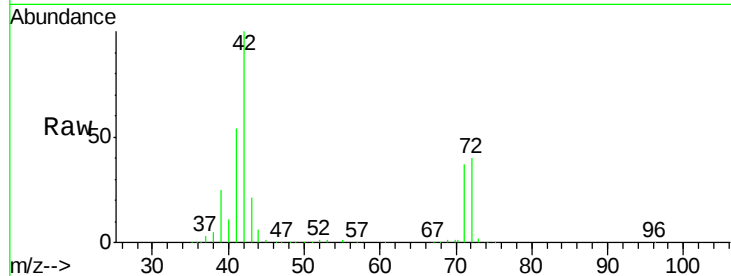
#29
Tetrahydrofuran
Concen: 95.583 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012438.D
Acq: 17 Sep 2019 17:55

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	34.0	51.0
71	39.4	31.5	47.3

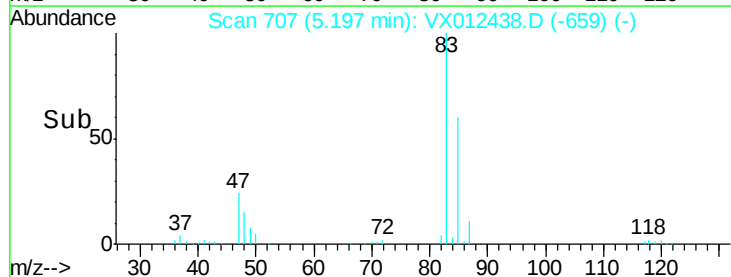
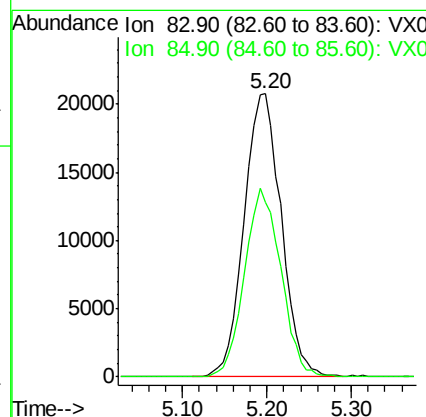
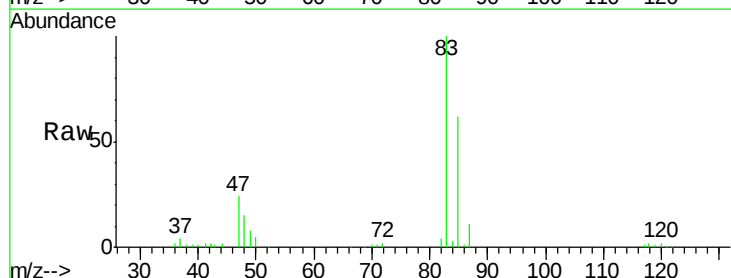
Manual Integrations
APPROVED

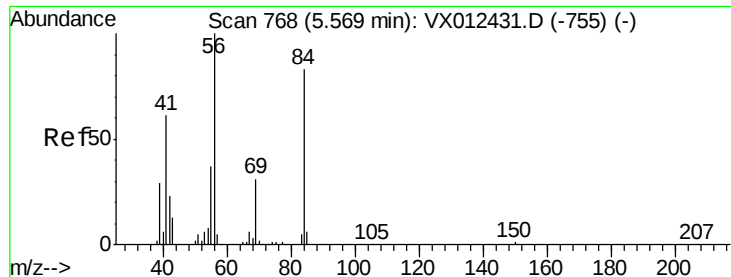
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#30
Chloroform
Concen: 19.420 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX012438.D
Acq: 17 Sep 2019 17:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.6	53.0	79.4





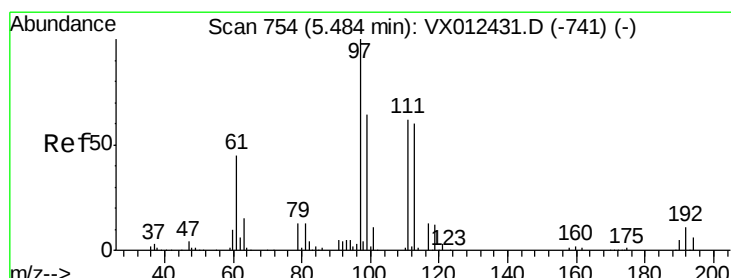
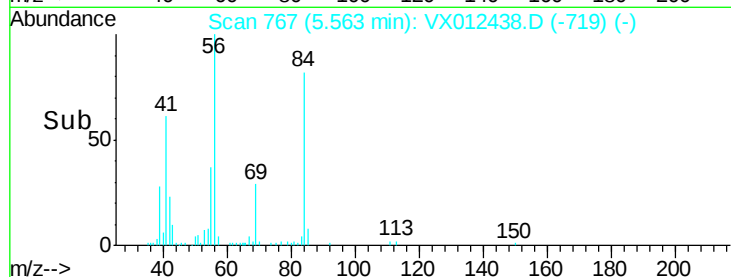
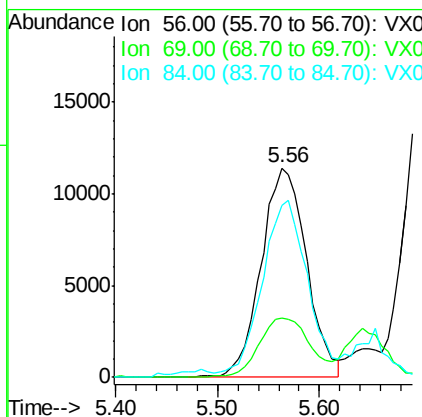
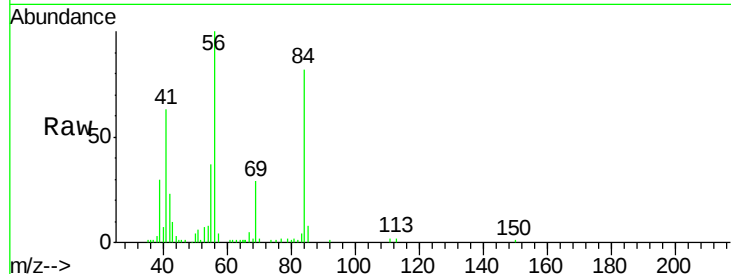
#31
Cyclohexane
Concen: 20.994 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX012438.D
Acq: 17 Sep 2019 17:55

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.5	25.0	37.6
84	78.9	66.4	99.6

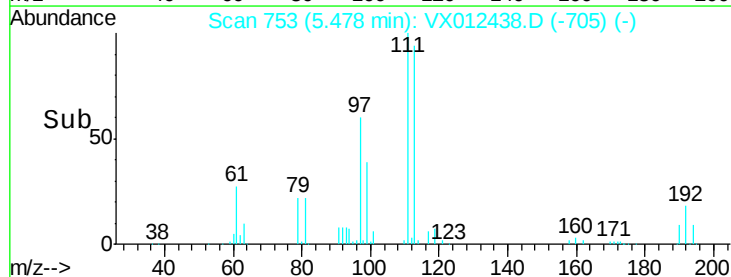
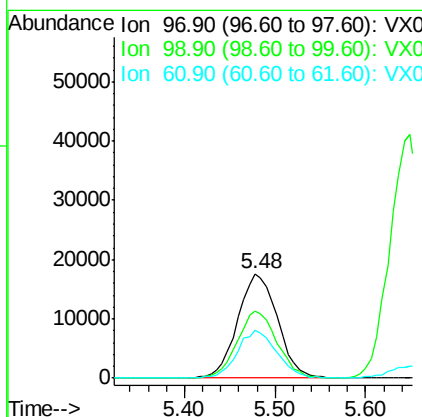
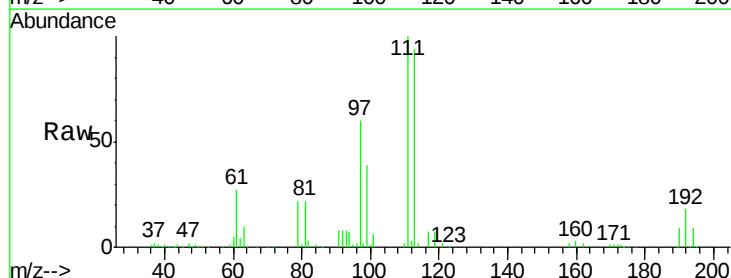
Manual Integrations
APPROVED

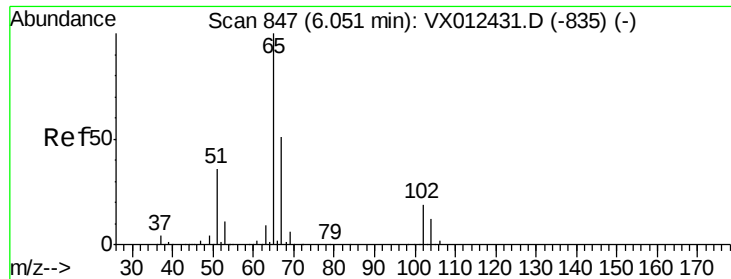
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#32
1,1,1-Trichloroethane
Concen: 20.015 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.01 min
Lab File: VX012438.D
Acq: 17 Sep 2019 17:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.3	76.9
61	45.3	36.1	54.1





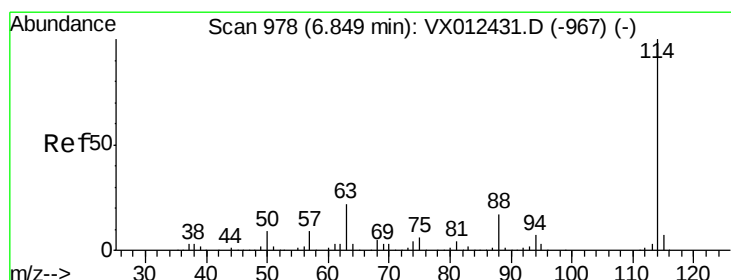
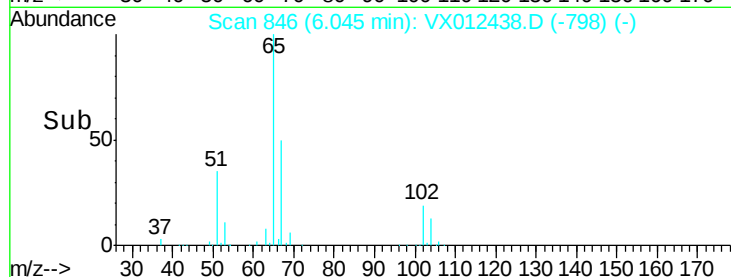
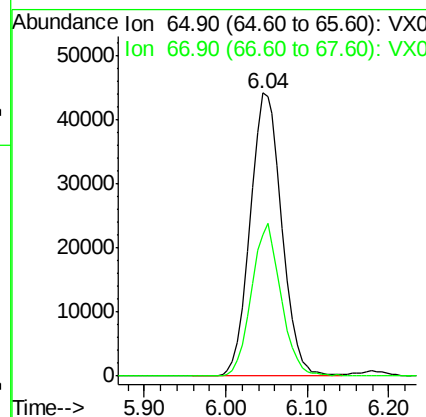
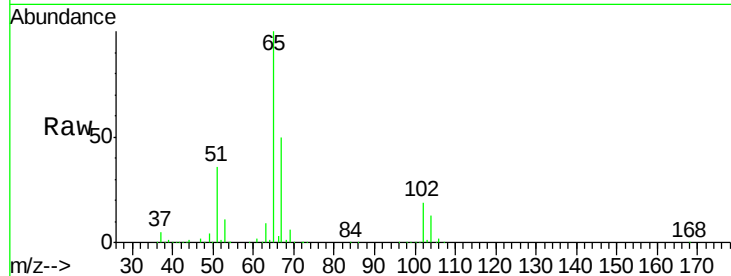
#33
 1,2-Dichloroethane-d4
 Concen: 49.017 ug/l
 RT: 6.04 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: VX012438.D
 Acq: 17 Sep 2019 17:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0917WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	119186		
67	50.5	0.0	101.2	

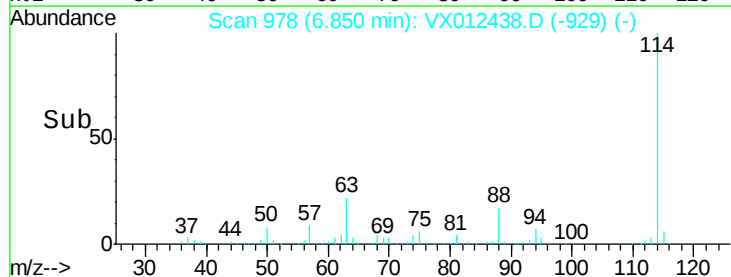
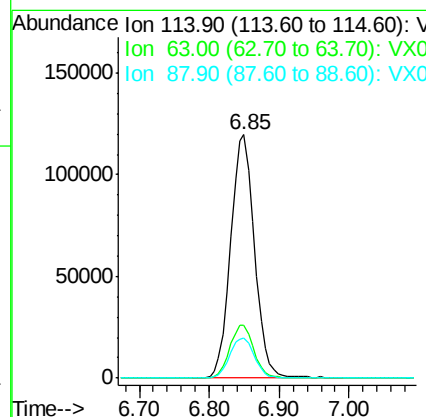
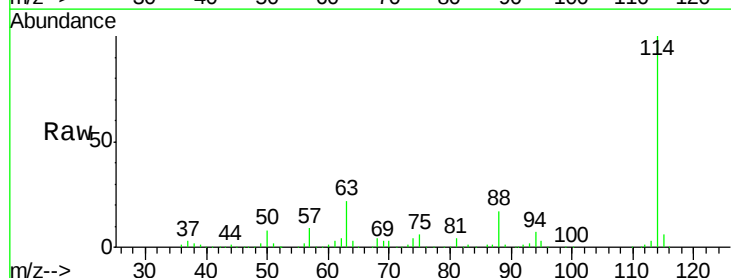
Manual Integrations
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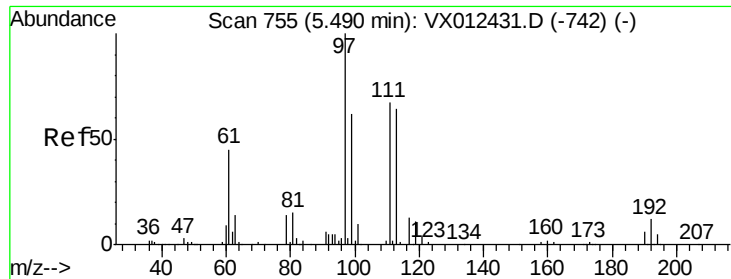
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012438.D
 Acq: 17 Sep 2019 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	284362		
63	21.5	0.0	43.2	
88	16.7	0.0	33.2	





#35

Dibromofluoromethane

Concen: 49.242 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX012438.D

Acq: 17 Sep 2019 17:55

Instrument :

MSVOA_X

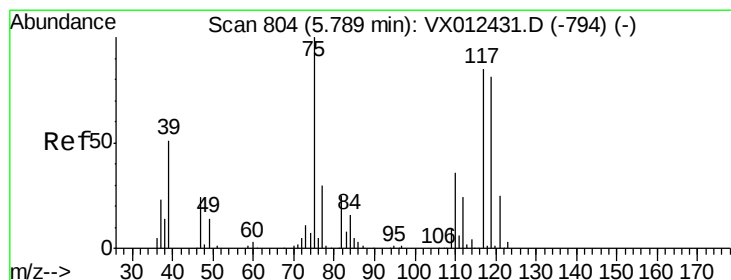
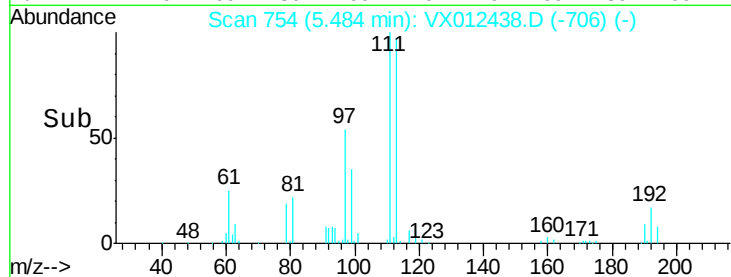
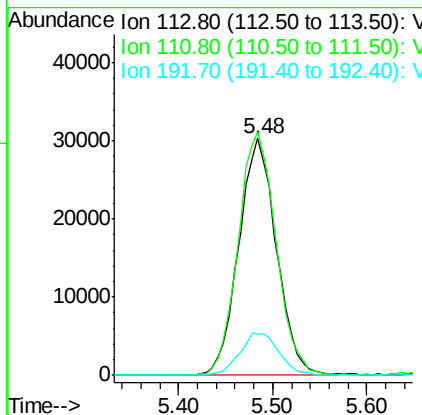
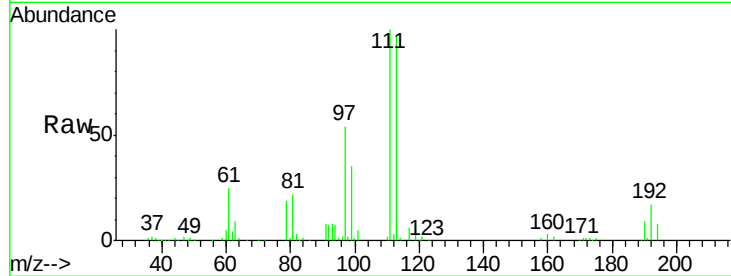
ClientSampleId :

VX0917WBS01

Tot Ion:	113	Resp:	84751
Ion Ratio	Lower	Upper	
113	100		
111	104.0	83.4	125.2
192	18.7	14.4	21.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.908 ug/l

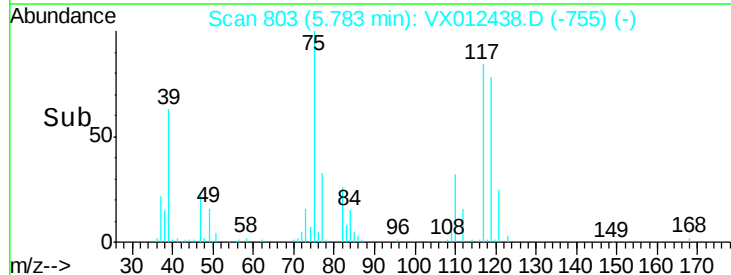
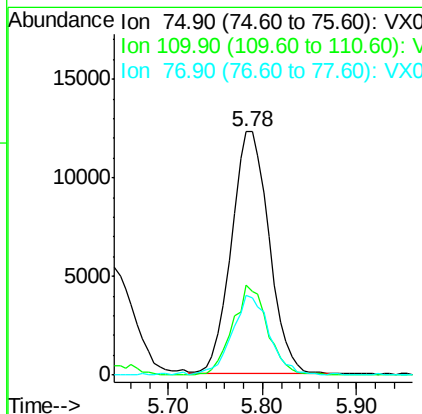
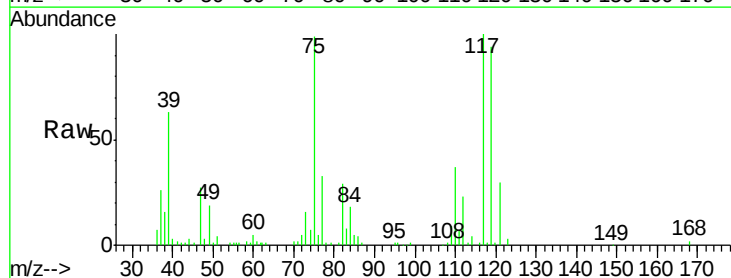
RT: 5.78 min Scan# 803

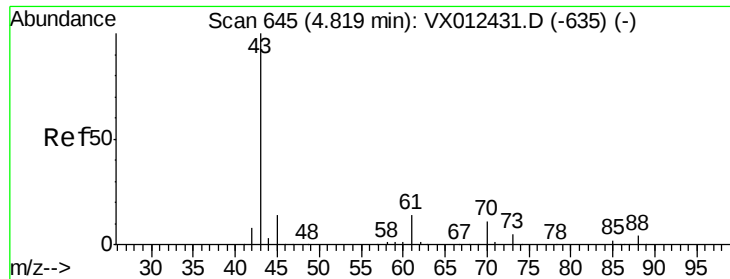
Delta R.T. -0.01 min

Lab File: VX012438.D

Acq: 17 Sep 2019 17:55

Tgt Ion:	75	Resp:	34406
Ion Ratio	Lower	Upper	
75	100		
110	34.4	16.7	50.0
77	32.4	24.2	36.2





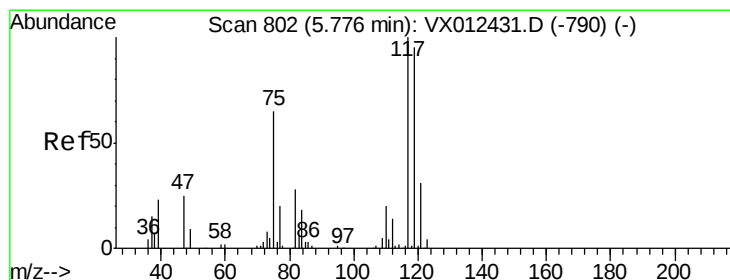
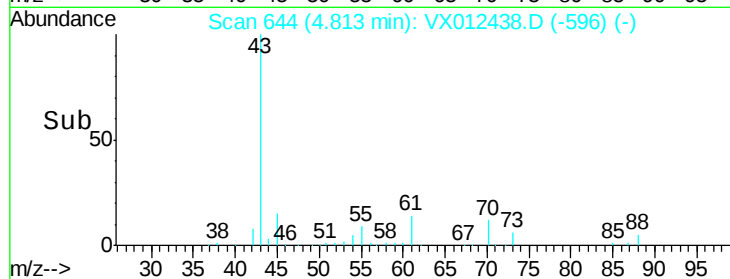
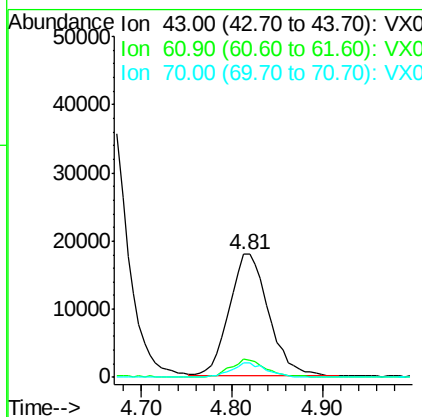
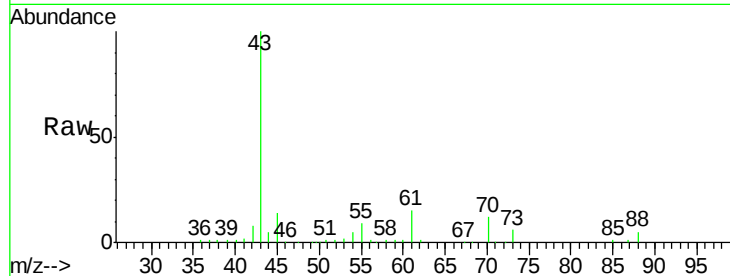
#37
Ethyl Acetate
Concen: 20.329 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX012438.D
Acq: 17 Sep 2019 17:55

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.2	15.4
70	10.9	8.7	13.1

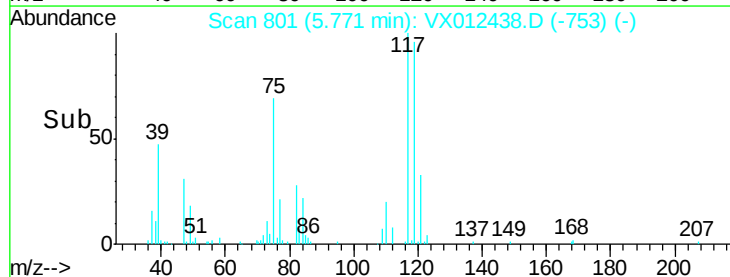
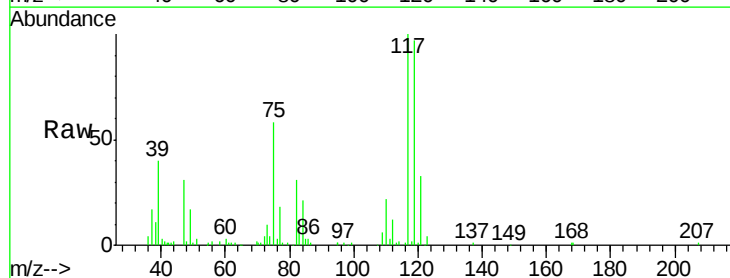
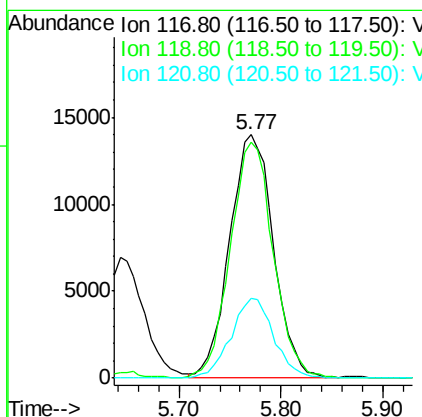
Manual Integrations
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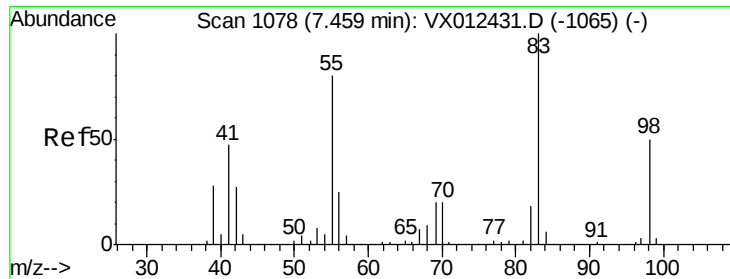
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#38
Carbon Tetrachloride
Concen: 19.474 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX012438.D
Acq: 17 Sep 2019 17:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	75.7	113.5
121	32.6	24.2	36.4





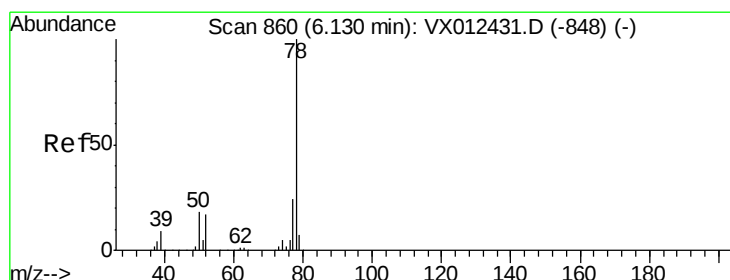
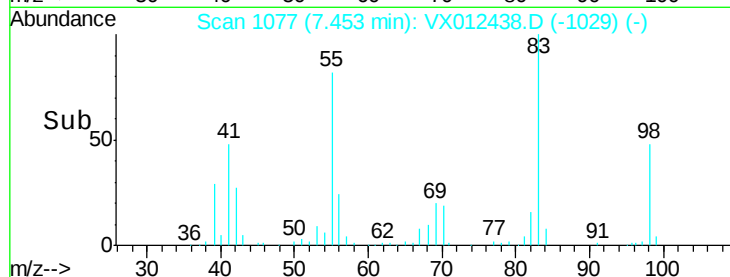
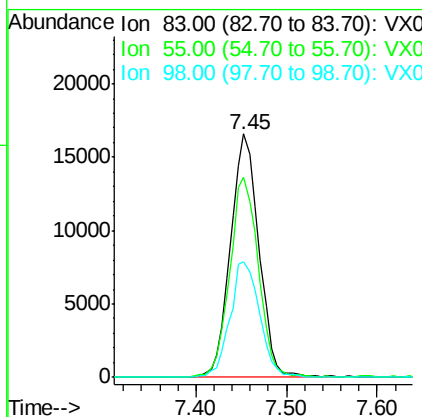
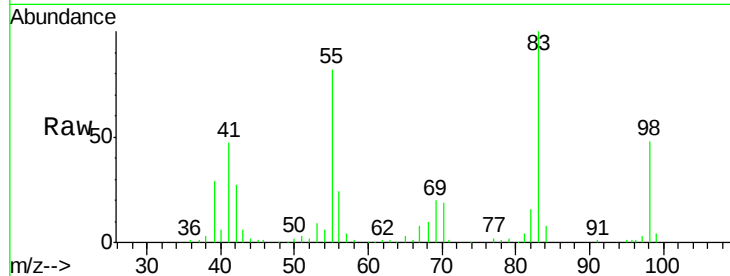
#39
Methvlcvclohexane
Concen: 21.463 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX012438.D
Acq: 17 Sep 2019 17:55

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	82.2	64.4	96.6	
98	47.7	40.1	60.1	

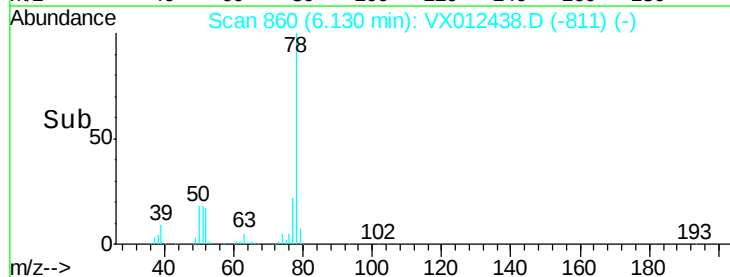
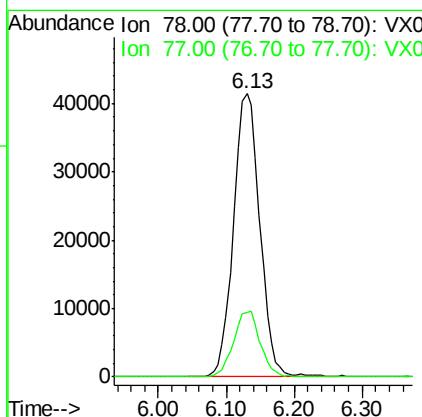
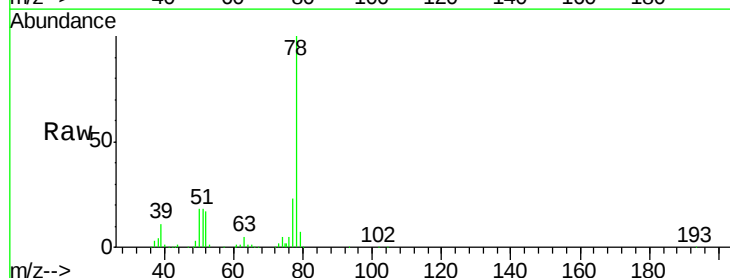
Manual Integrations
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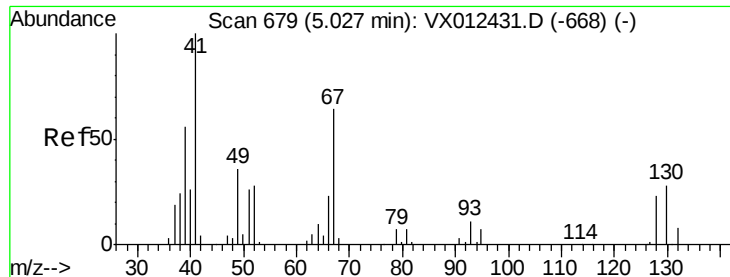
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#40
Benzene
Concen: 20.266 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX012438.D
Acq: 17 Sep 2019 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	22.9	19.2	28.8	





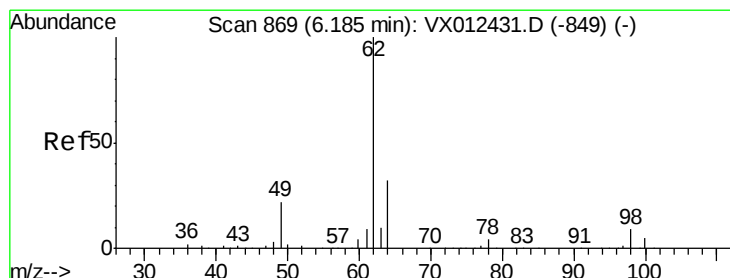
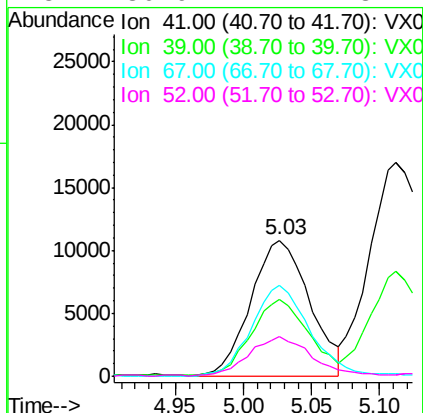
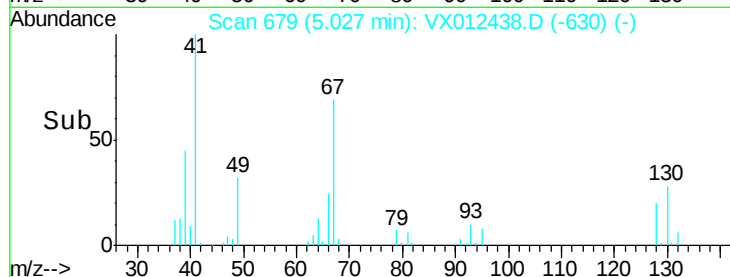
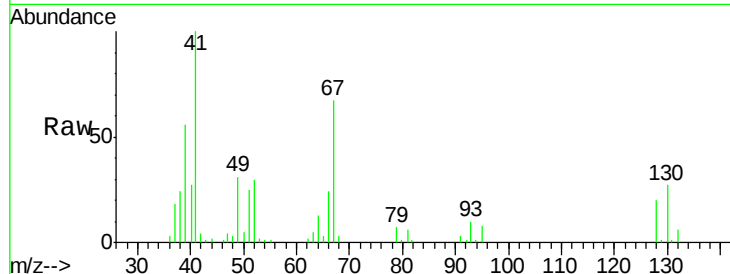
#41
Methacrylonitrile
Concen: 19.175 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX012438.D
Acq: 17 Sep 2019 17:55

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.9	46.0	69.0	
67	66.0	52.2	78.2	
52	30.9	22.7	34.1	

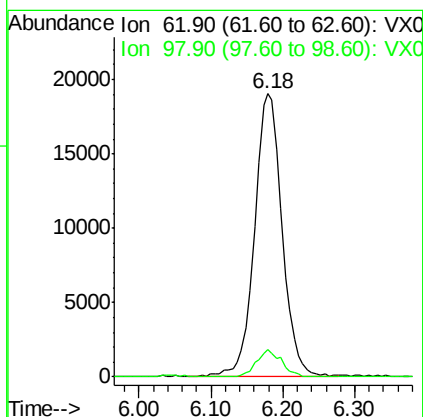
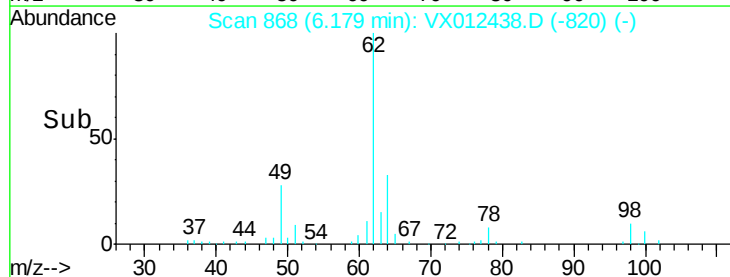
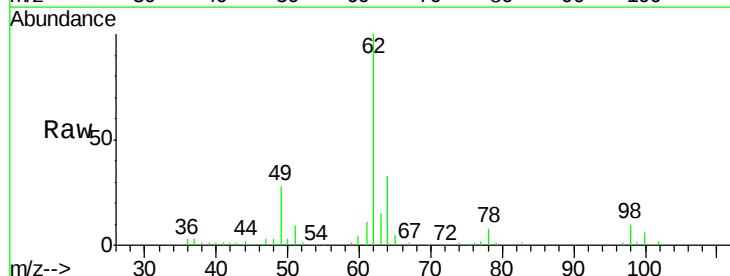
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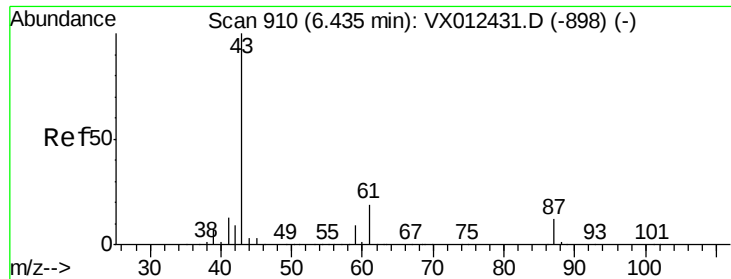
MMDadoda
9/18/2019 11:20:28 AM



#42
1,2-Dichloroethane
Concen: 19.927 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.01 min
Lab File: VX012438.D
Acq: 17 Sep 2019 17:55

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.8	0.0	17.8	





#43

Isopropyl Acetate

Concen: 19.208 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX012438.D

Acq: 17 Sep 2019 17:55

Instrument :

MSVOA_X

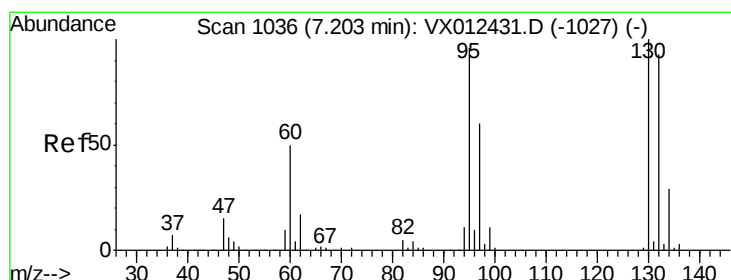
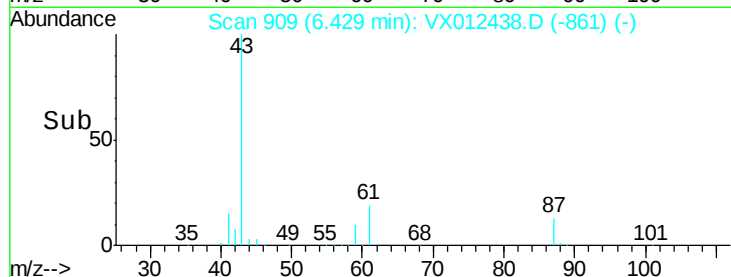
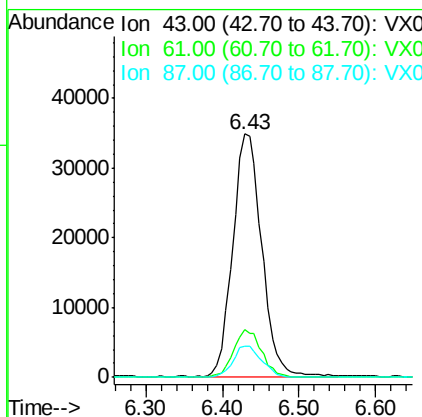
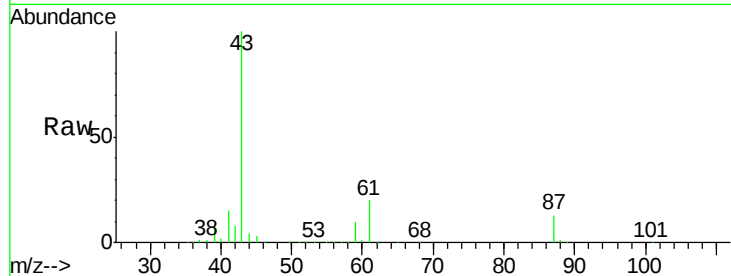
ClientSampleId :

VX0917WBS01

Tot Ion:	43	Resp:	91455
Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.4	23.0
87	12.7	9.8	14.8

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MMDadoda
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#44

Trichloroethene

Concen: 19.858 ug/l

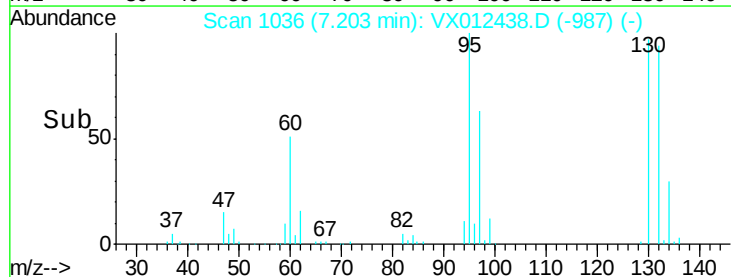
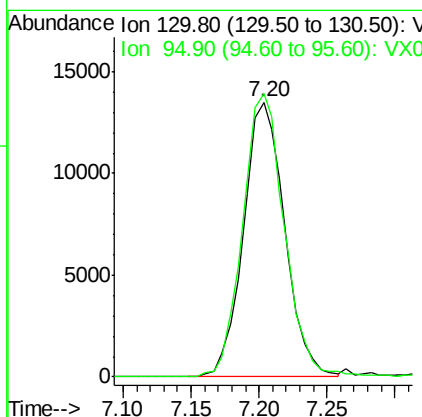
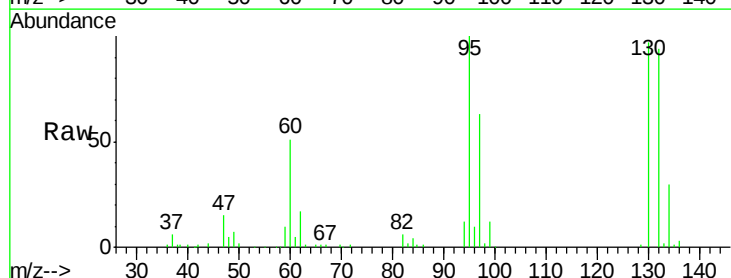
RT: 7.20 min Scan# 1036

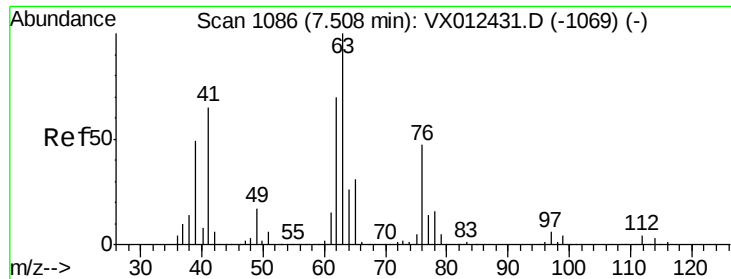
Delta R.T. 0.00 min

Lab File: VX012438.D

Acq: 17 Sep 2019 17:55

Tgt Ion:	130	Resp:	28708
Ion	Ratio	Lower	Upper
130	100		
95	103.1	0.0	193.0





#45

1,2-Dichloropropane

Concen: 19.322 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX012438.D

Acq: 17 Sep 2019 17:55

Instrument :

MSVOA_X

ClientSampleId :

VX0917WBS01

Tot Ion: 63 Resp: 32623

Ion Ratio Lower Upper

63 100

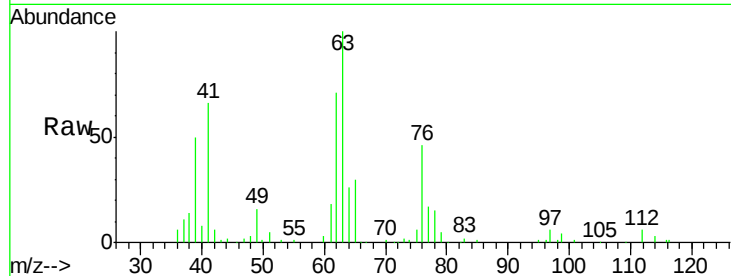
65 29.2 25.0 37.6

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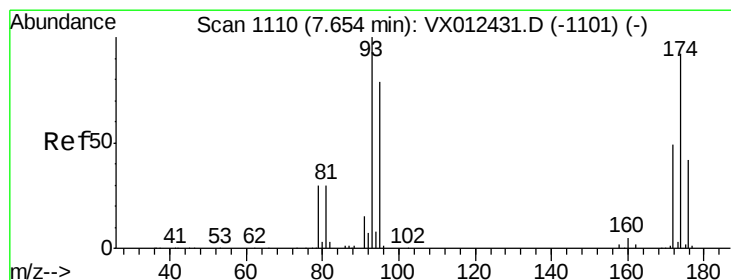
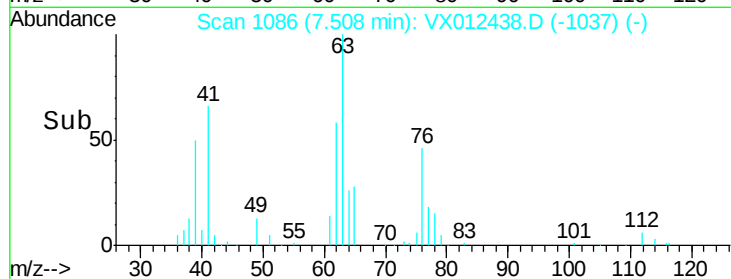
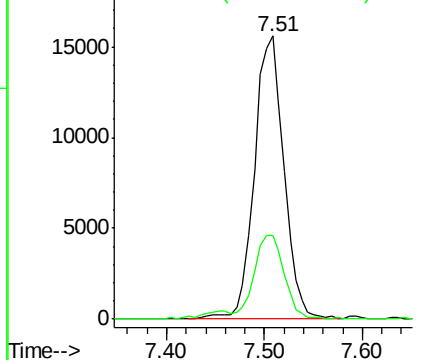
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.668 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX012438.D

Acq: 17 Sep 2019 17:55

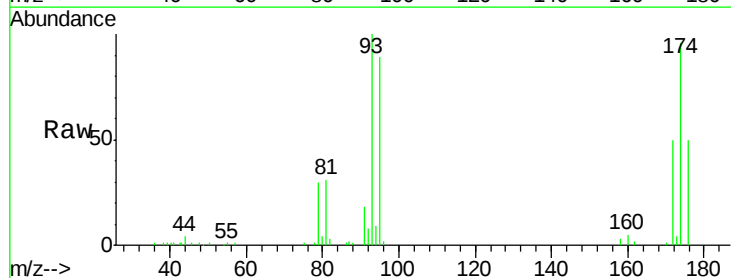
Tgt Ion: 93 Resp: 21489

Ion Ratio Lower Upper

93 100

95 83.5 66.6 100.0

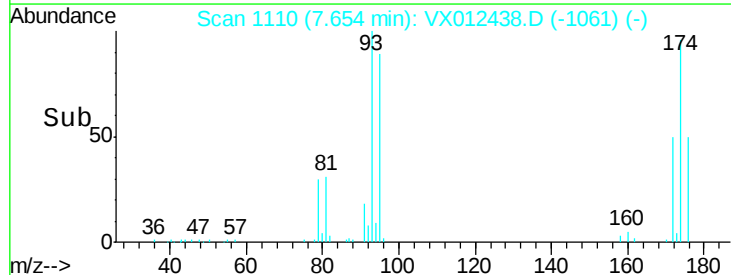
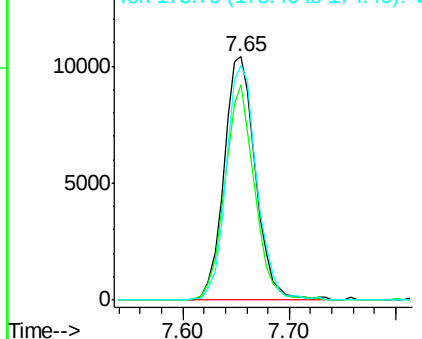
174 93.9 77.4 116.0

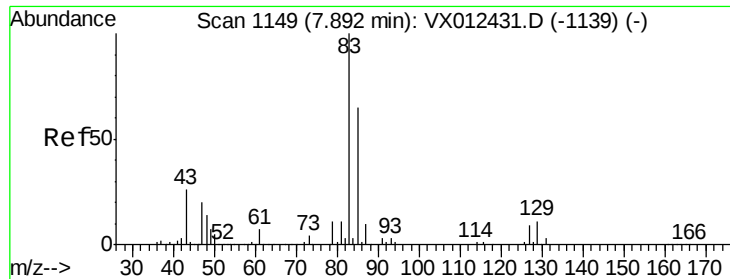


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





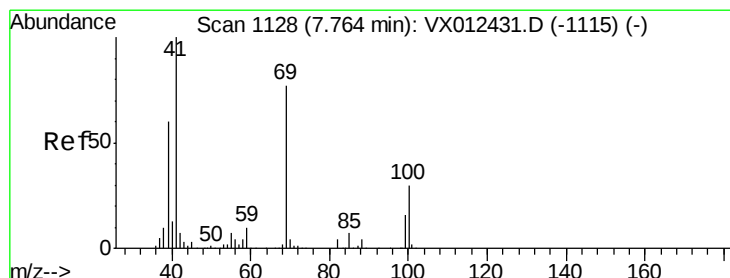
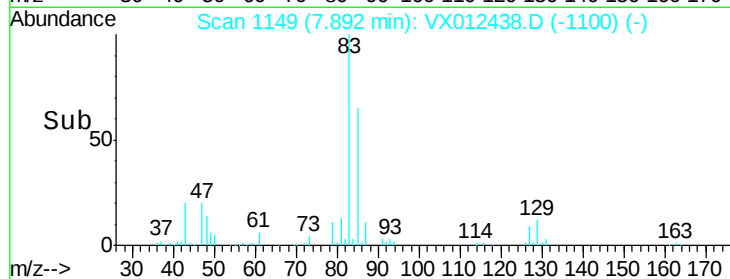
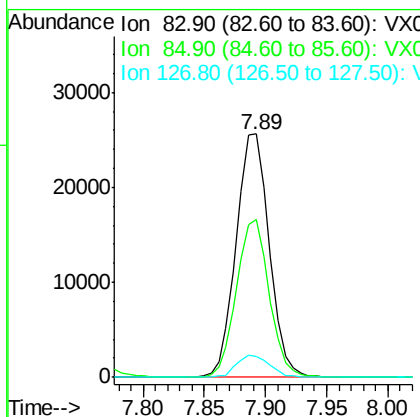
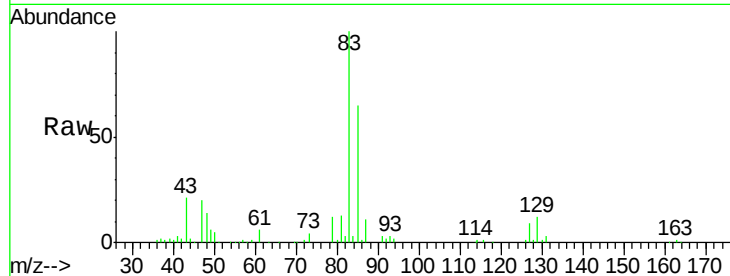
#47
 Bromodichloromethane
 Concen: 19.816 ug/l
 RT: 7.89 min Scan# 1149
 Delta R.T. 0.00 min
 Lab File: VX012438.D
 Acq: 17 Sep 2019 17:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0917WBS01

Tot Ion	83	Resp	48209
Ion Ratio	100	Lower	Upper
83	100		
85	65.1	51.8	77.6
127	8.8	7.3	10.9

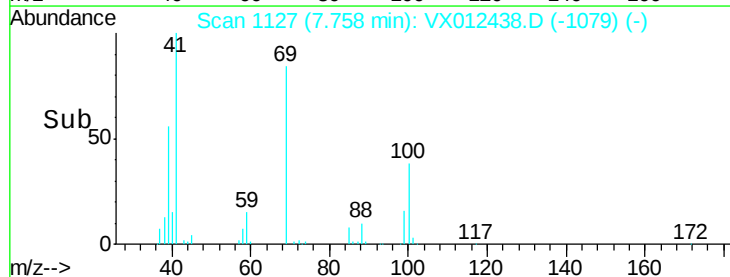
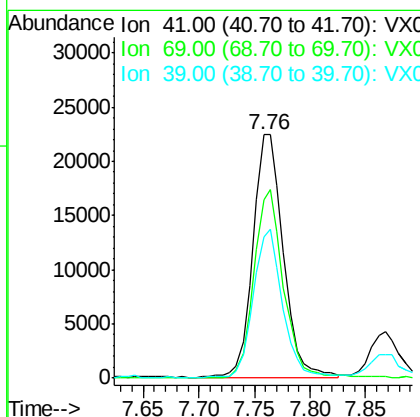
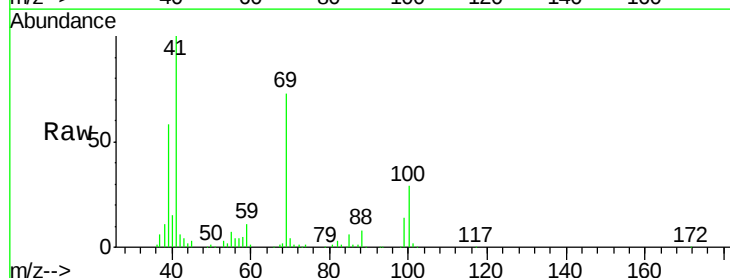
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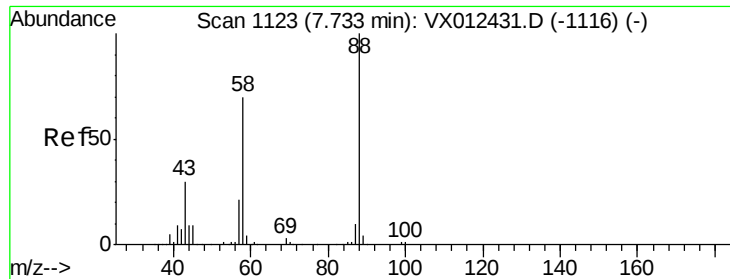
MMDadoda
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#48
 Methyl methacrylate
 Concen: 18.948 ug/l
 RT: 7.76 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: VX012438.D
 Acq: 17 Sep 2019 17:55

Tgt Ion	41	Resp	42527
Ion Ratio	100	Lower	Upper
41	100		
69	75.8	59.9	89.9
39	60.1	47.8	71.6





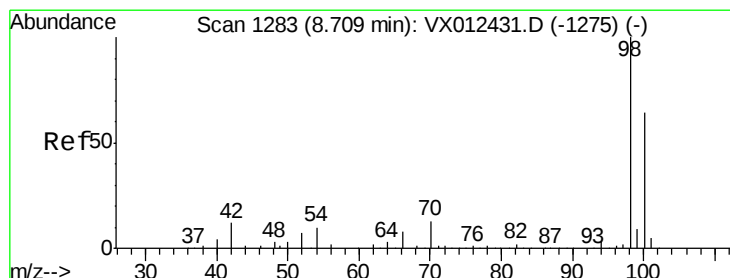
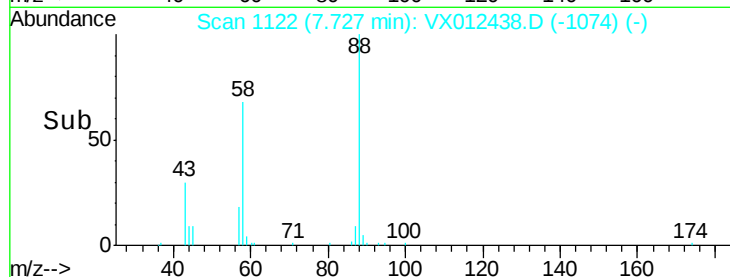
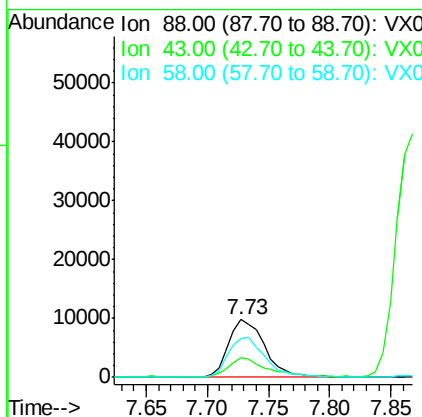
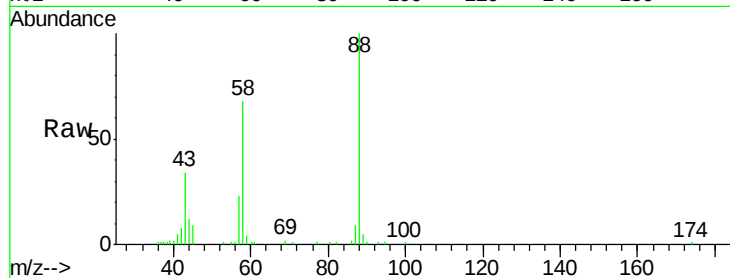
#49
1,4-Dioxane
Concen: 368.216 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX012438.D
Acq: 17 Sep 2019 17:55

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.9	29.4	44.0
58	72.4	57.5	86.3

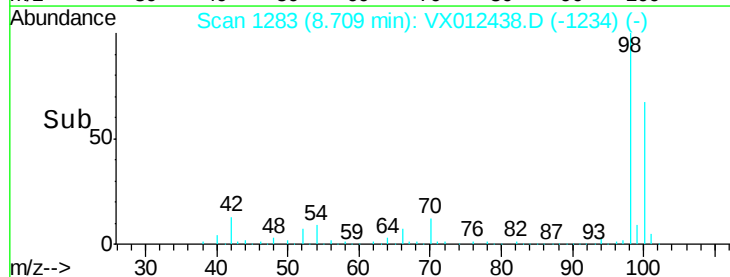
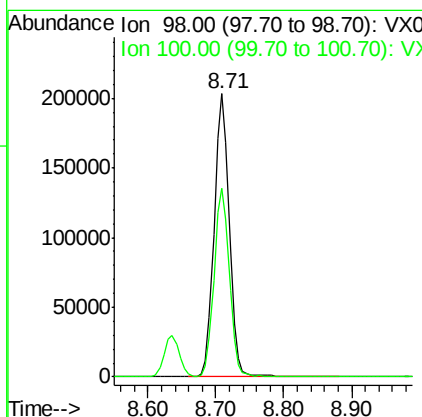
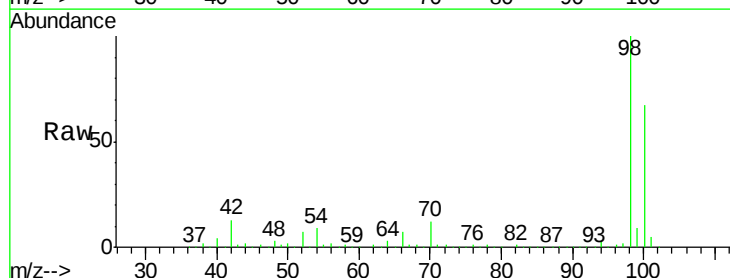
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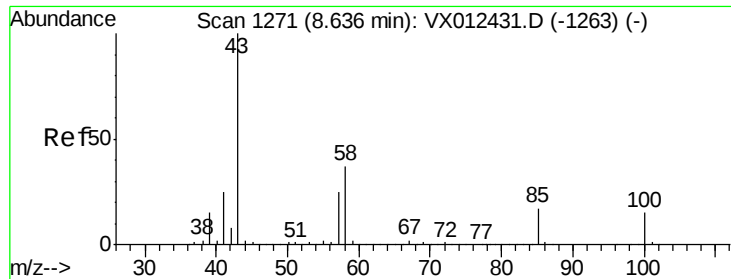
MMDadoda
9/18/2019 11:20:28 AM



#50
Toluene-d8
Concen: 49.638 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012438.D
Acq: 17 Sep 2019 17:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 94.038 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012438.D

Acq: 17 Sep 2019 17:55

Instrument :

MSVOA_X

ClientSampleId :

VX0917WBS01

Tot Ion: 43 Resp: 293628

Ion Ratio Lower Upper

43 100

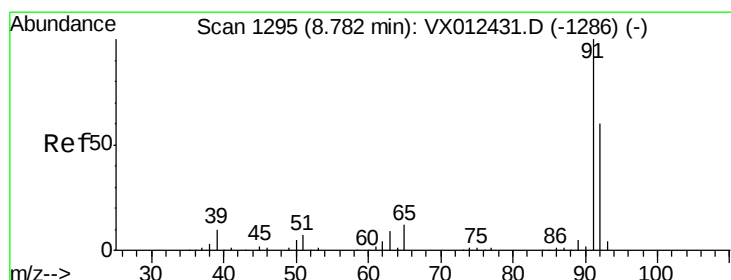
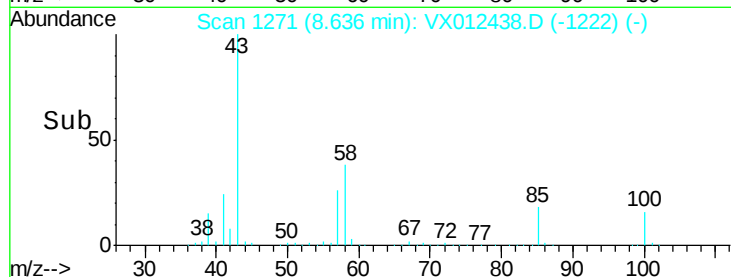
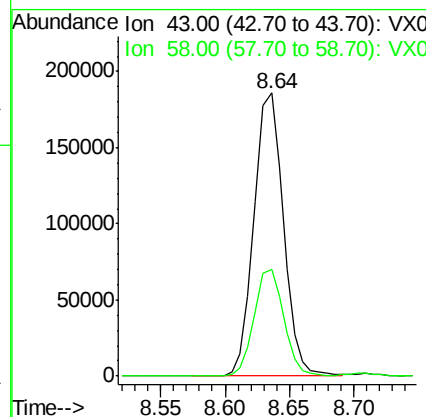
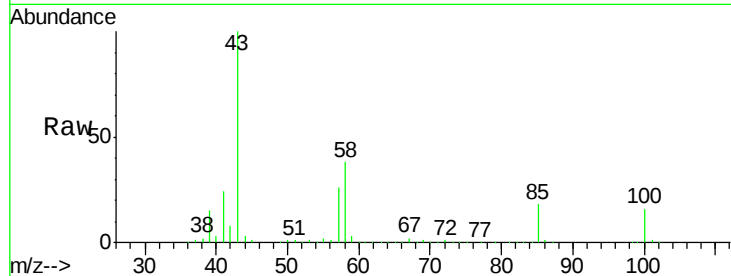
58 38.0 29.8 44.6

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9/18/2019 11:20:28 AM



#52

Toluene

Concen: 20.272 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX012438.D

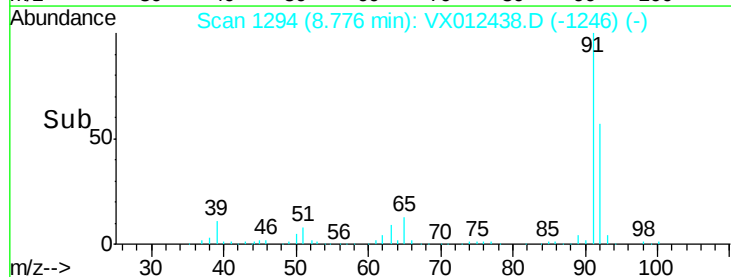
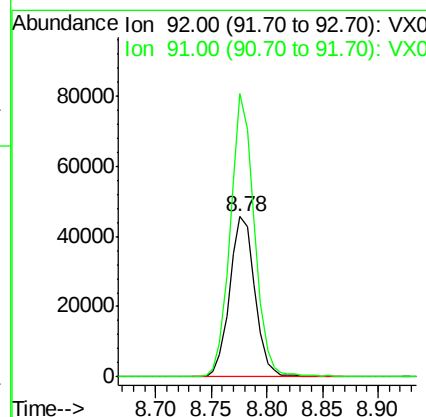
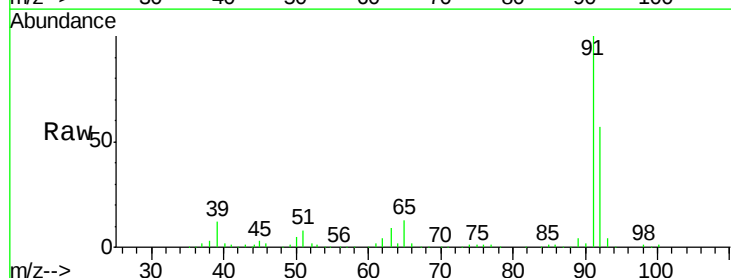
Acq: 17 Sep 2019 17:55

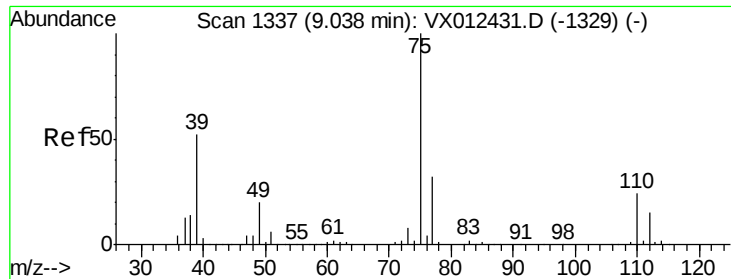
Tgt Ion: 92 Resp: 71789

Ion Ratio Lower Upper

92 100

91 168.0 135.4 203.0





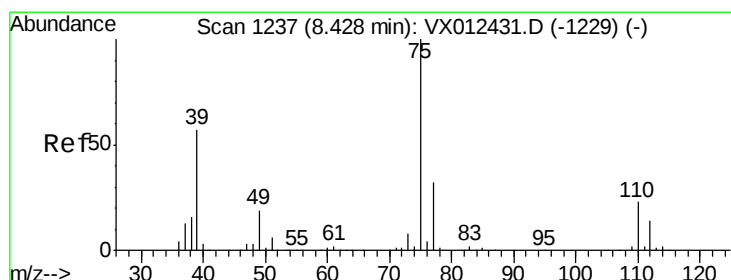
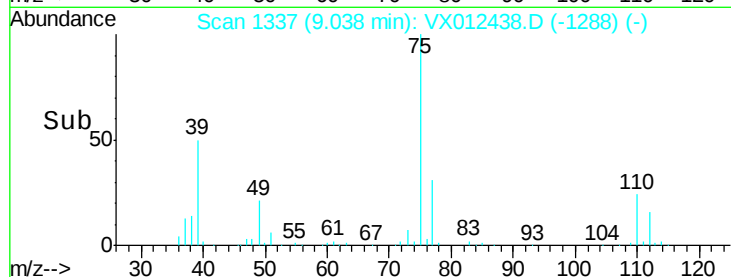
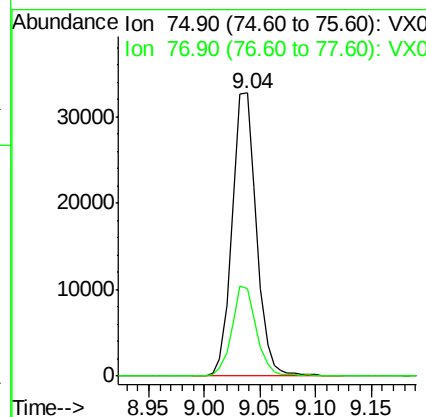
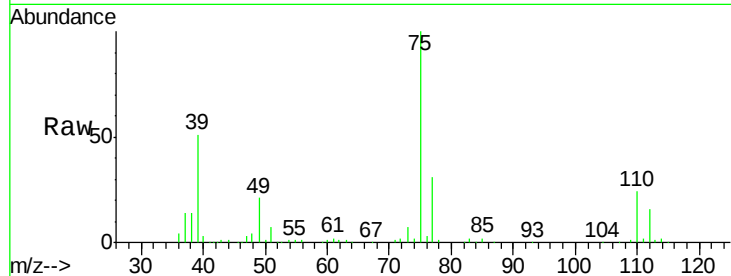
#53
t-1,3-Dichloropropene
Concen: 19.628 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX012438.D
Acq: 17 Sep 2019 17:55

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tot Ion: 75 Resp: 49637
Ion Ratio Lower Upper
75 100
77 30.8 25.2 37.8

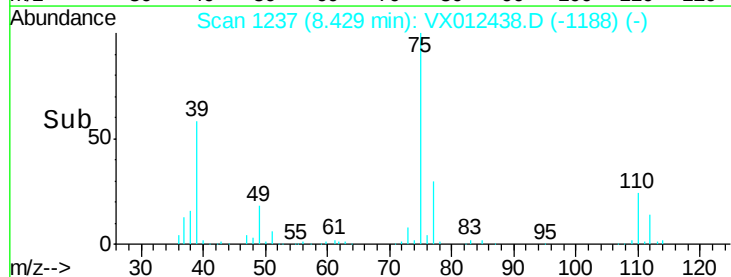
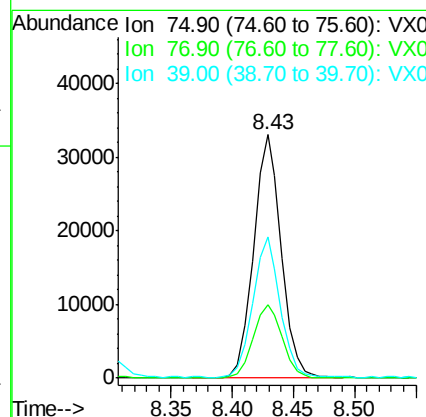
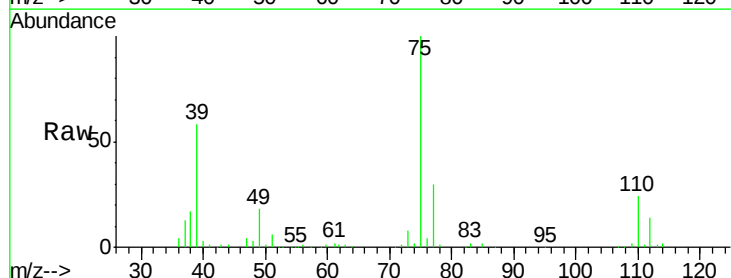
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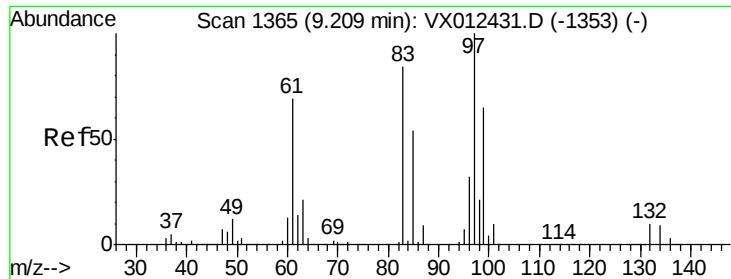
MMDadoda
9/18/2019 11:20:28 AM



#54
cis-1,3-Dichloropropene
Concen: 19.888 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX012438.D
Acq: 17 Sep 2019 17:55

Tgt Ion: 75 Resp: 52068
Ion Ratio Lower Upper
75 100
77 30.1 25.8 38.8
39 57.4 45.5 68.3





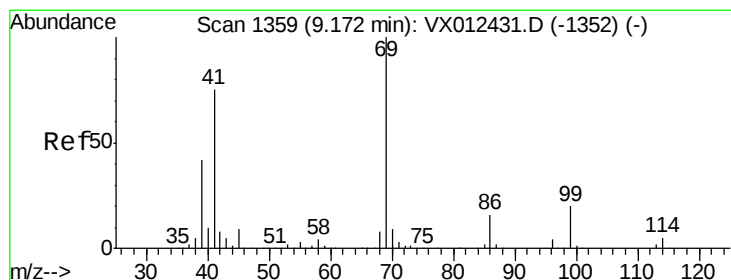
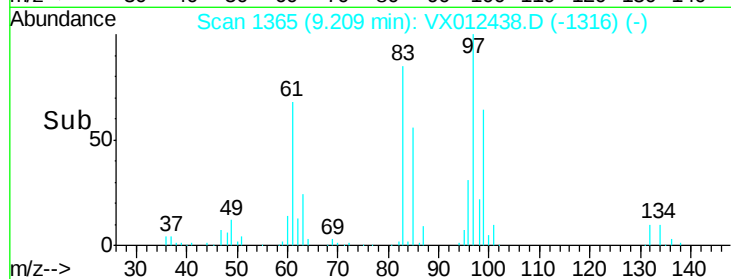
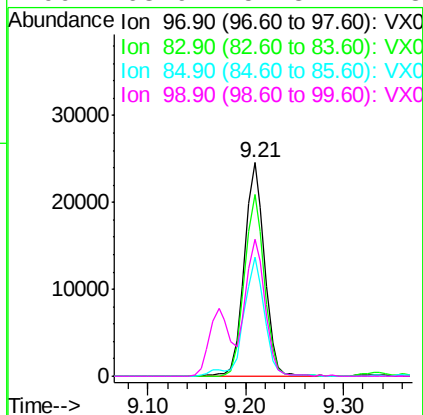
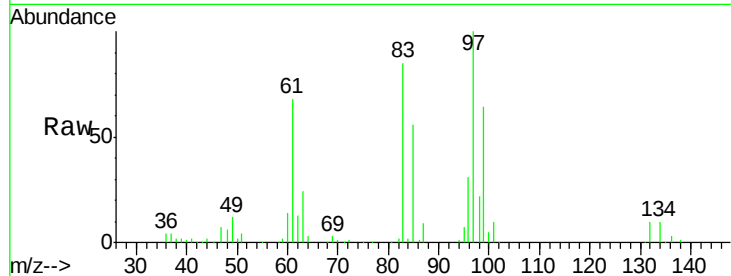
#55
 1,1,2-Trichloroethane
 Concen: 19.362 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012438.D
 Acq: 17 Sep 2019 17:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0917WBS01

Tot Ion:	97	Resp:	35325
Ion	Ratio	Lower	Upper
97	100		
83	85.2	67.4	101.2
85	55.6	43.5	65.3
99	63.9	51.8	77.8

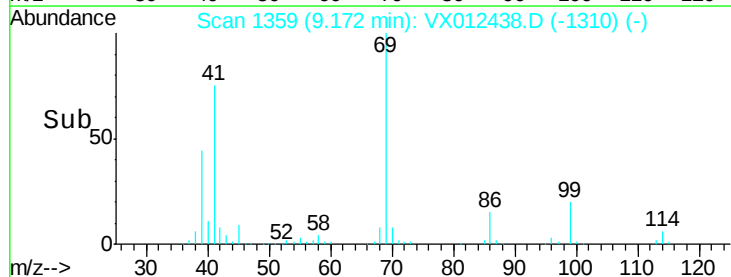
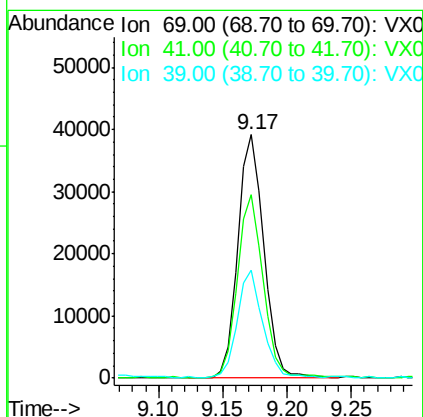
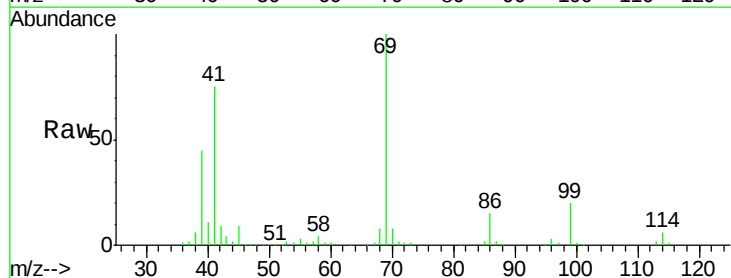
Manual Integrations
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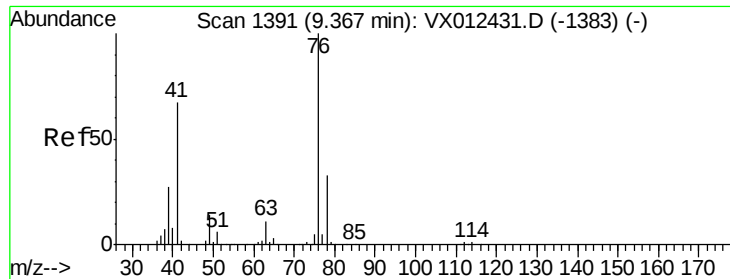
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 19.289 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012438.D
 Acq: 17 Sep 2019 17:55

Tgt Ion:	69	Resp:	55022
Ion	Ratio	Lower	Upper
69	100		
41	74.3	58.4	87.6
39	43.2	33.4	50.0





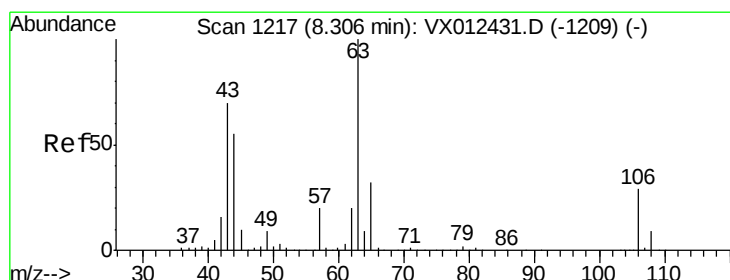
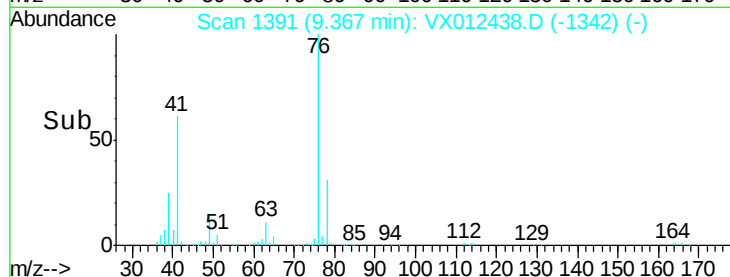
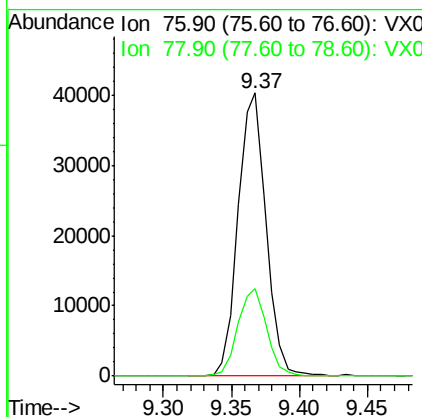
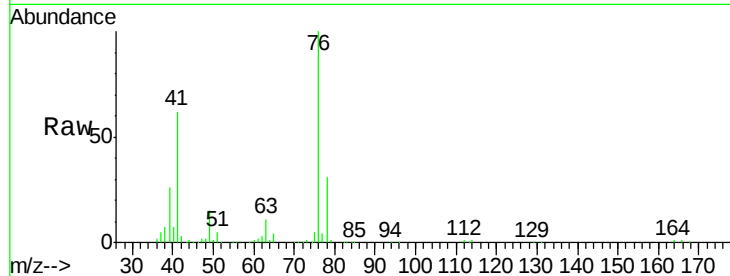
#57
 1,3-Dichloropropane
 Concen: 19.891 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX012438.D
 Acq: 17 Sep 2019 17:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0917WBS01

Tot Ion: 76 Resp: 57901
 Ion Ratio Lower Upper
 76 100
 78 31.7 26.2 39.2

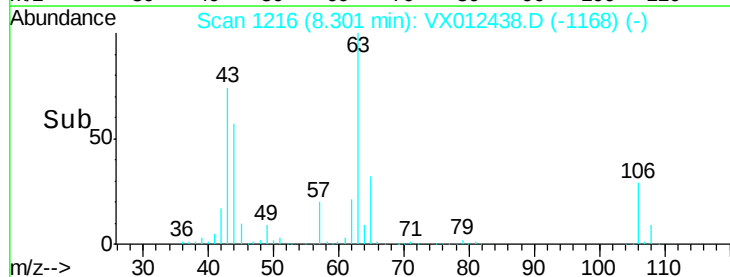
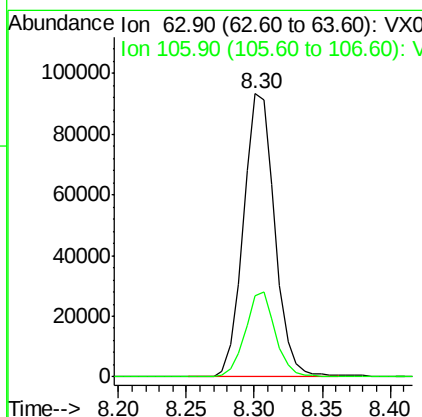
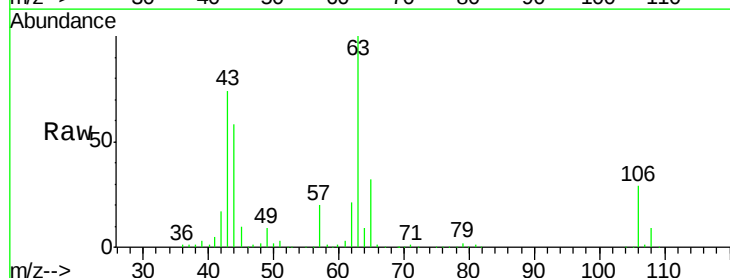
Manual Integrations
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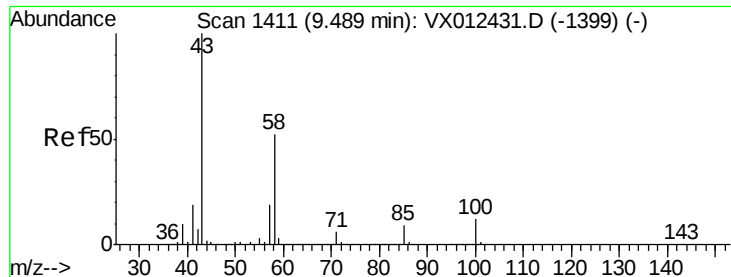
MMDadoda
 9/18/2019 11:20:28 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.654 ug/l
 RT: 8.30 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: VX012438.D
 Acq: 17 Sep 2019 17:55

Tgt Ion: 63 Resp: 150097
 Ion Ratio Lower Upper
 63 100
 106 29.0 23.8 35.6





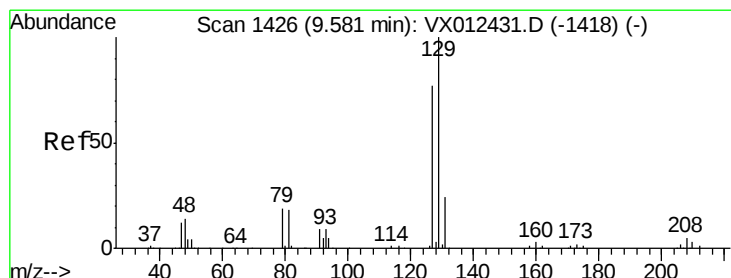
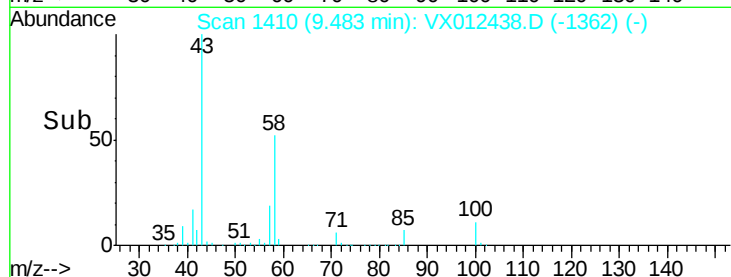
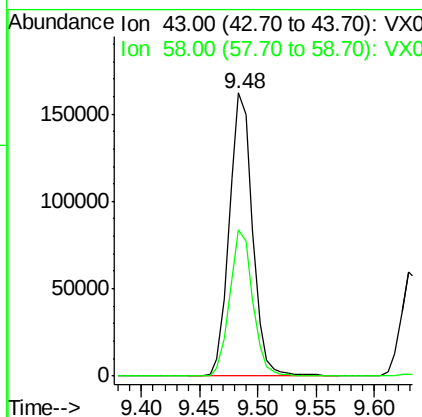
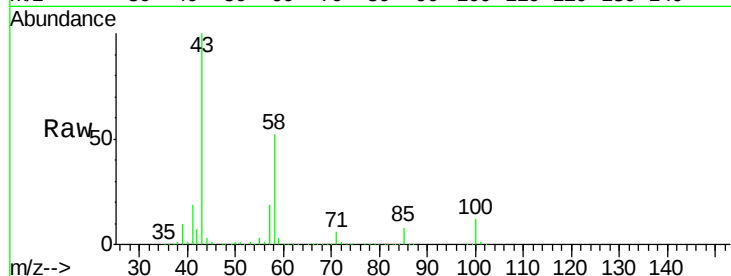
#59
2-Hexanone
Concen: 92.433 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX012438.D
Acq: 17 Sep 2019 17:55

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tot Ion: 43 Resp: 225167
Ion Ratio Lower Upper
43 100
58 51.7 25.7 77.1

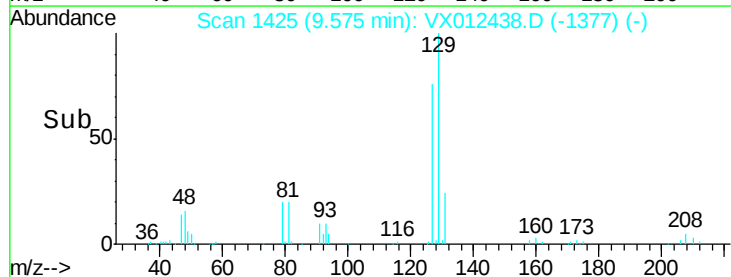
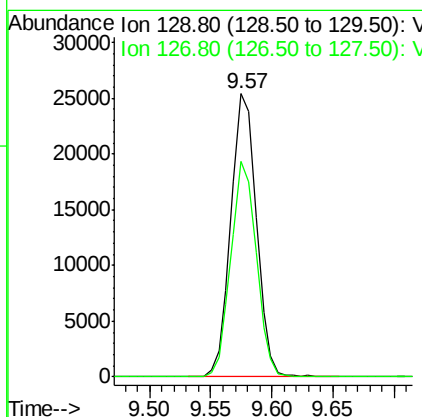
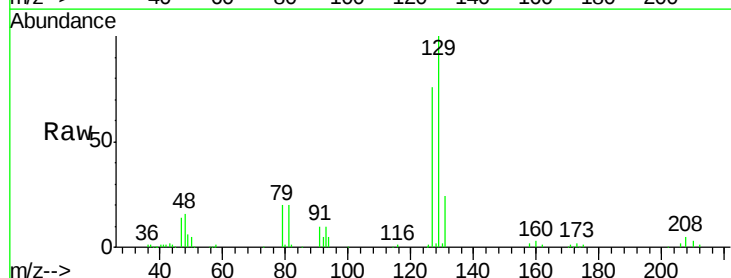
Manual Integrations
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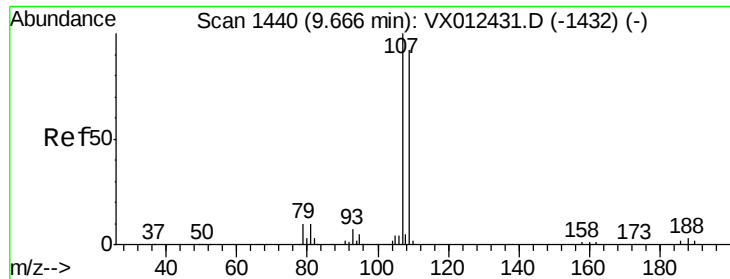
MMDadoda
9/18/2019 11:20:28 AM



#60
Dibromochloromethane
Concen: 19.760 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX012438.D
Acq: 17 Sep 2019 17:55

Tgt Ion: 129 Resp: 36722
Ion Ratio Lower Upper
129 100
127 75.8 38.9 116.6





#61

1,2-Dibromoethane

Concen: 20.420 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012438.D

Acq: 17 Sep 2019 17:55

Instrument :

MSVOA_X

ClientSampleId :

VX0917WBS01

Tot Ion:107 Resp: 34025

Ion Ratio Lower Upper

107 100

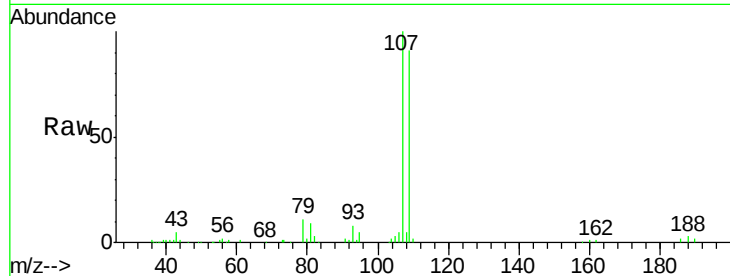
109 91.5 74.7 112.1

Manual Integrations

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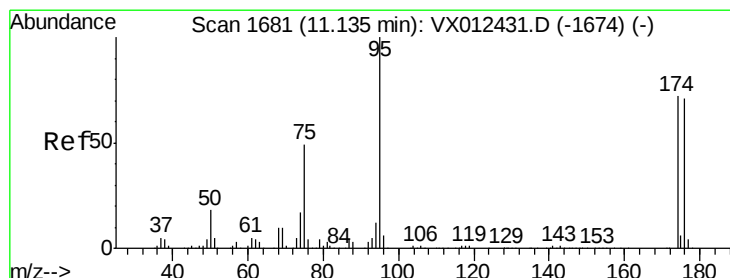
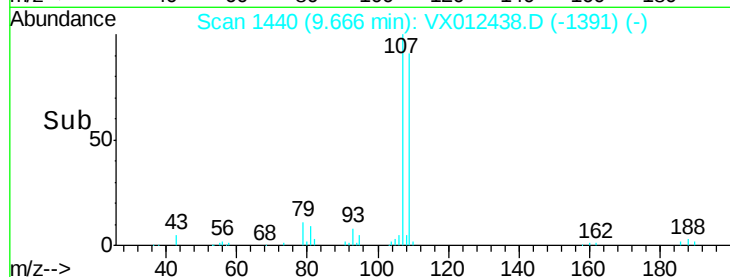
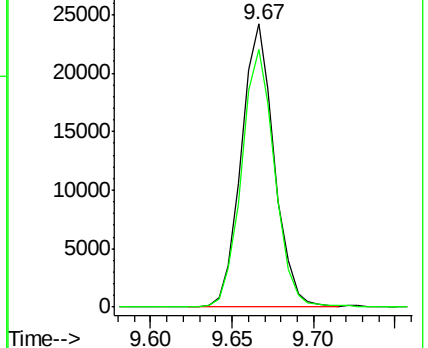
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.135 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012438.D

Acq: 17 Sep 2019 17:55

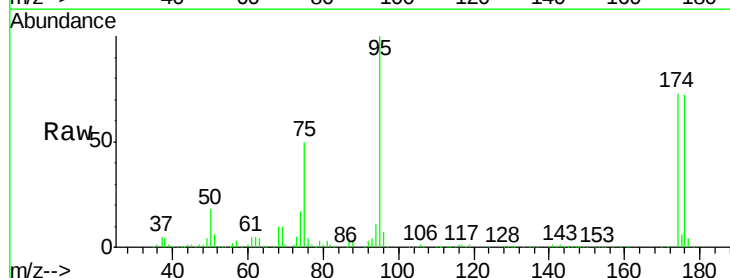
Tgt Ion: 95 Resp: 127325

Ion Ratio Lower Upper

95 100

174 70.1 0.0 140.0

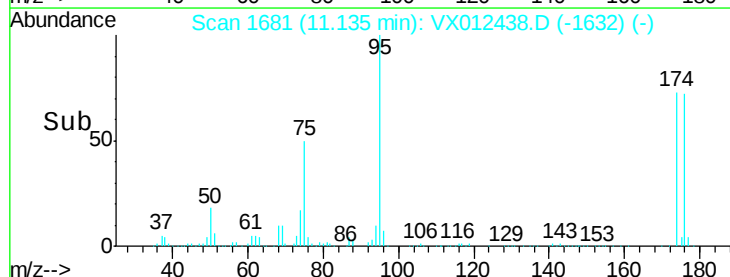
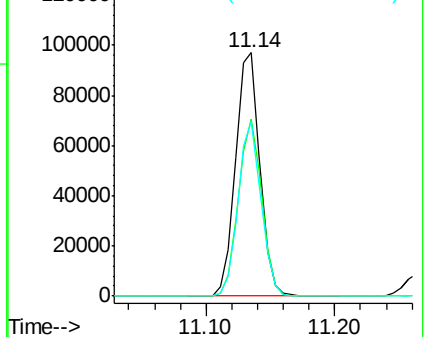
176 67.8 0.0 135.4

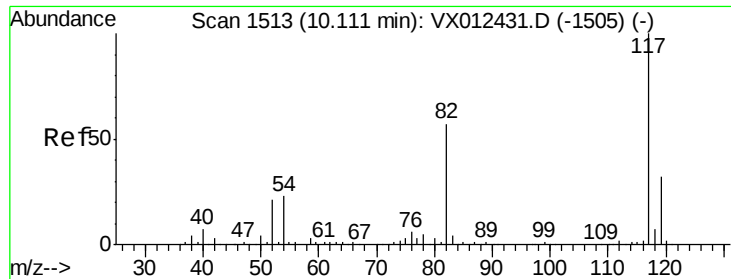


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





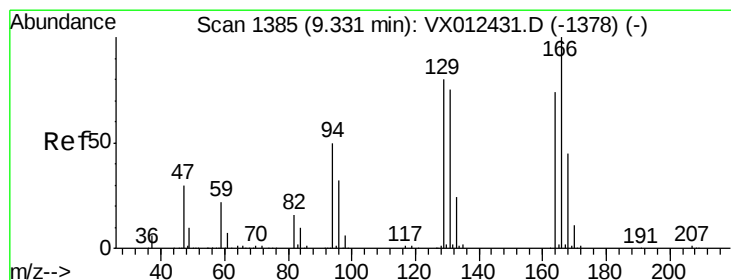
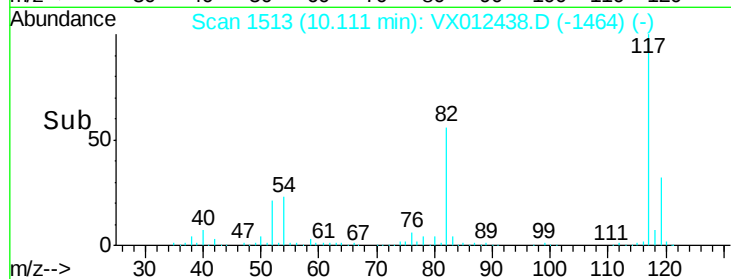
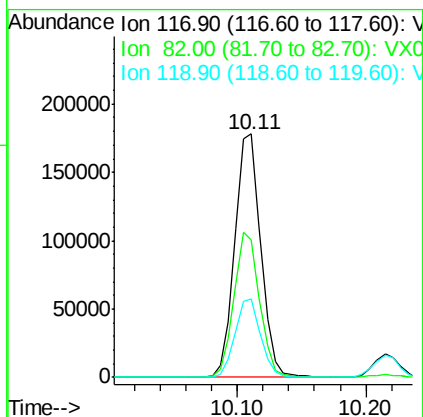
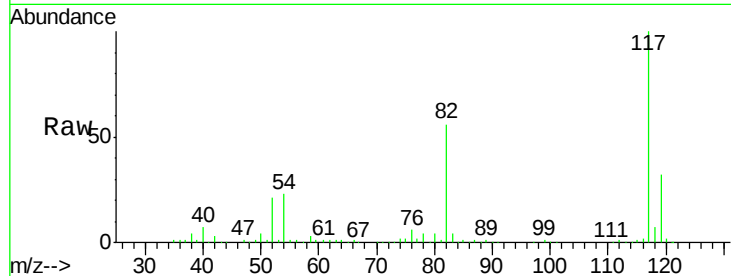
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012438.D
Acq: 17 Sep 2019 17:55

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	251094		
82	56.4	45.9	68.9	
119	32.2	25.3	37.9	

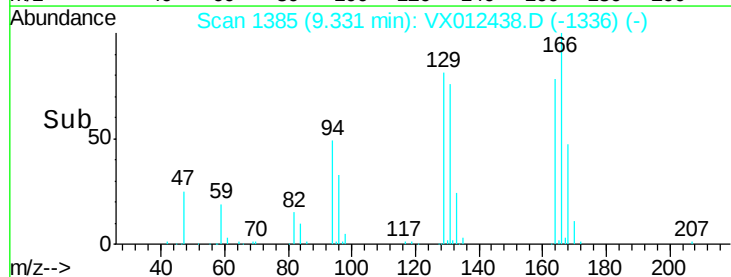
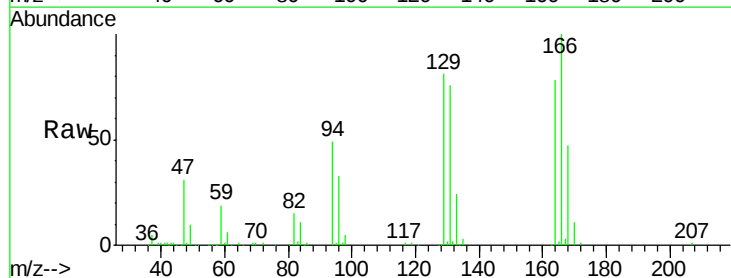
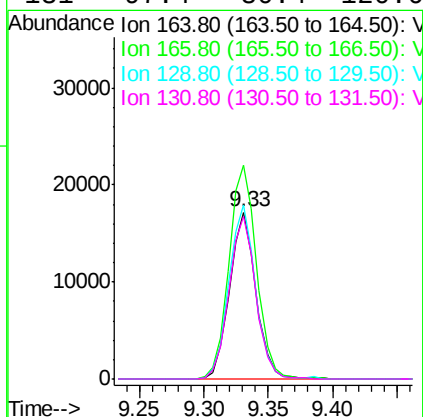
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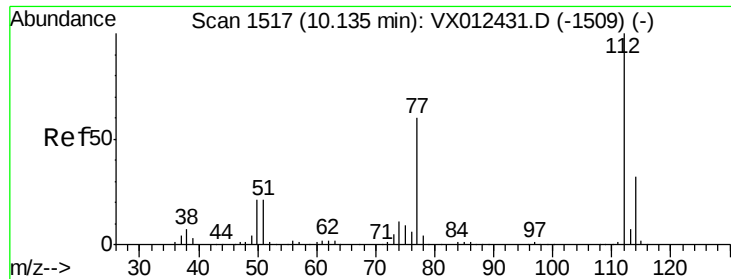
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#64
Tetrachloroethene
Concen: 21.438 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012438.D
Acq: 17 Sep 2019 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	24667		
166	128.0	107.8	161.6	
129	104.2	86.2	129.2	
131	97.4	80.4	120.6	





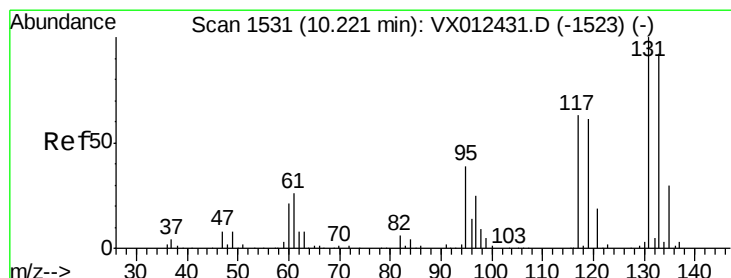
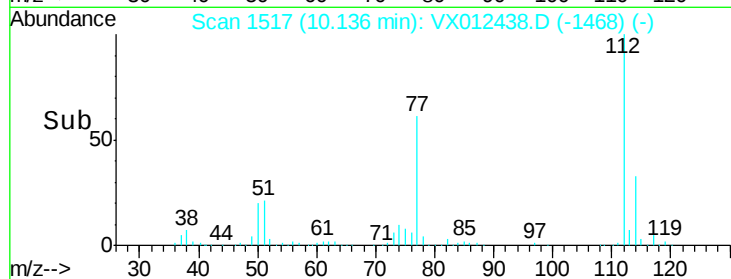
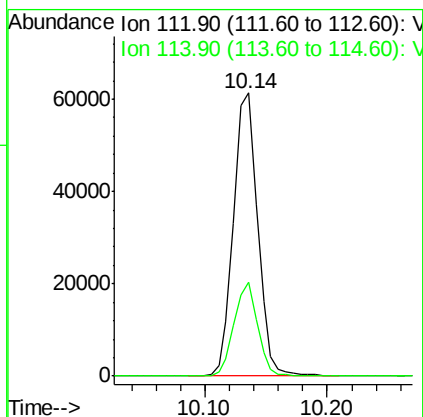
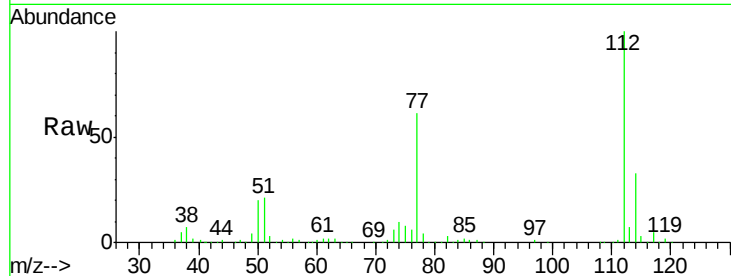
#65
Chlorobenzene
Concen: 20.233 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012438.D
Acq: 17 Sep 2019 17:55

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tot Ion:112 Resp: 83853
Ion Ratio Lower Upper
112 100
114 33.4 25.4 38.0

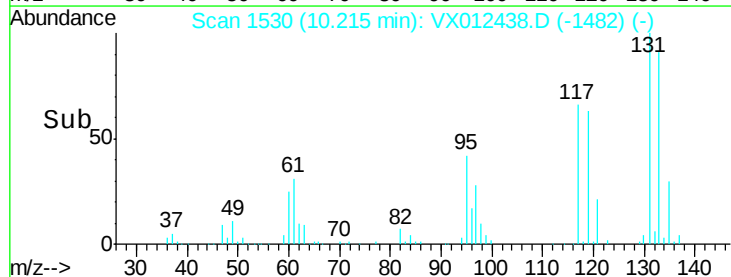
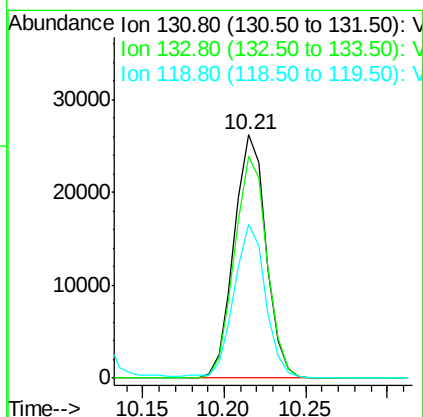
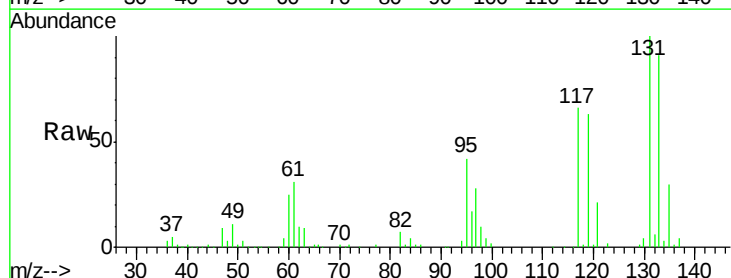
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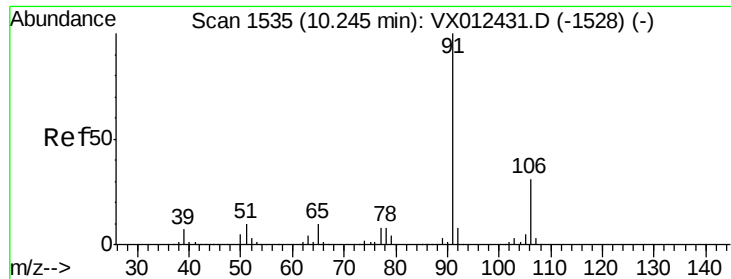
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.840 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VX012438.D
Acq: 17 Sep 2019 17:55

Tgt Ion:131 Resp: 35845
Ion Ratio Lower Upper
131 100
133 92.6 47.6 142.9
119 62.9 31.3 93.8





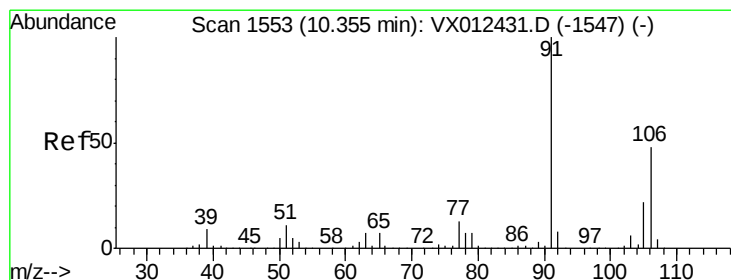
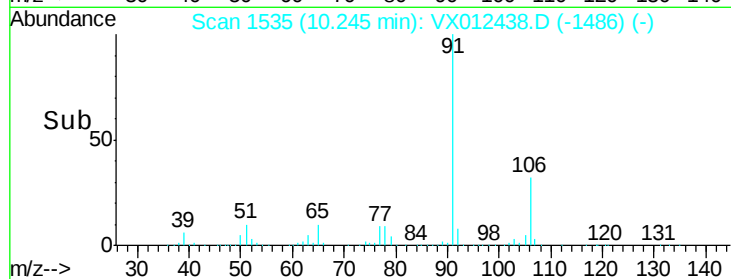
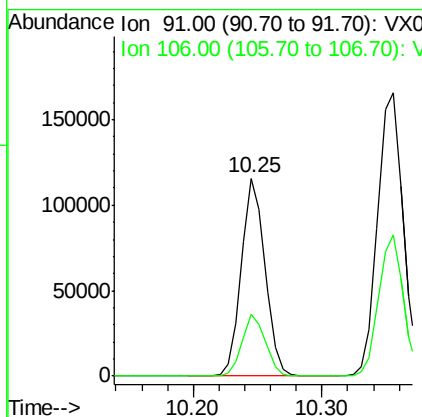
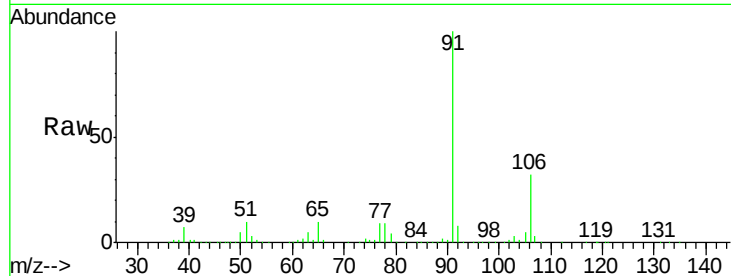
#67
Ethyl Benzene
Concen: 20.773 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012438.D
Acq: 17 Sep 2019 17:55

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tot Ion: 91 Resp: 147908
Ion Ratio Lower Upper
91 100
106 31.6 24.6 37.0

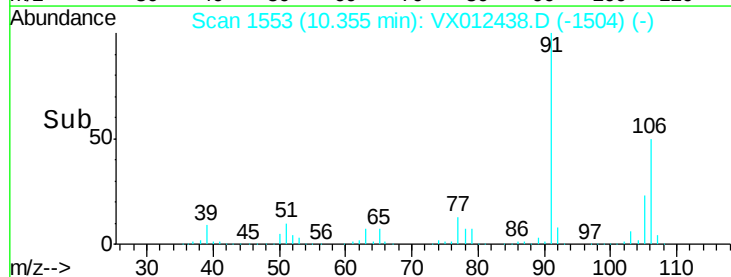
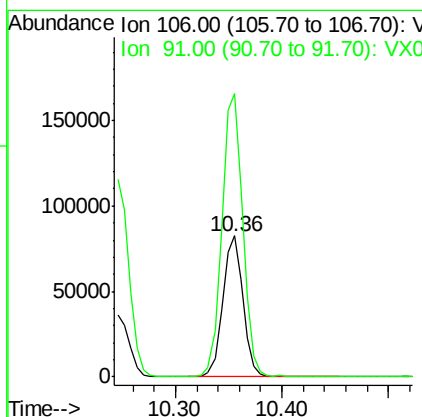
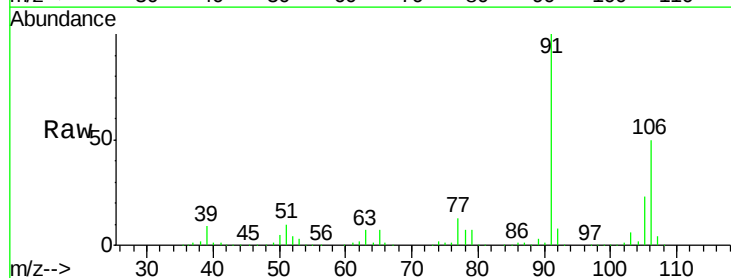
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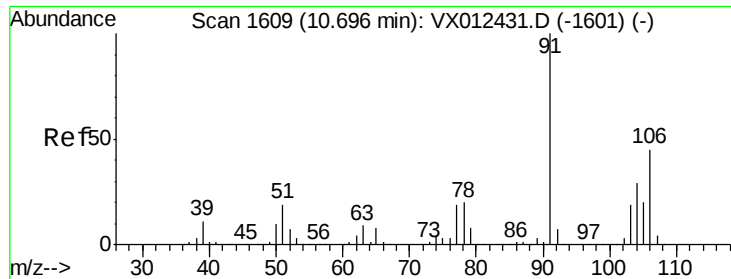
MMDadoda
9/18/2019 11:20:28 AM



#68
m/p-Xylenes
Concen: 42.201 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012438.D
Acq: 17 Sep 2019 17:55

Tgt Ion: 106 Resp: 109328
Ion Ratio Lower Upper
106 100
91 206.4 166.6 250.0





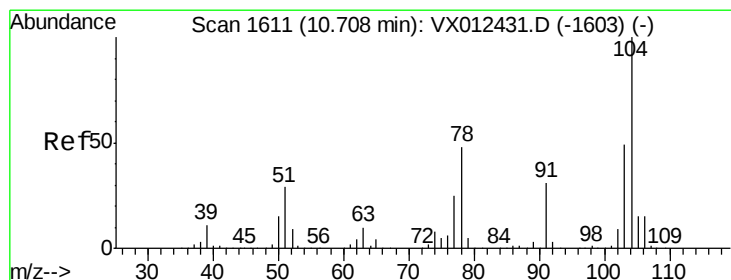
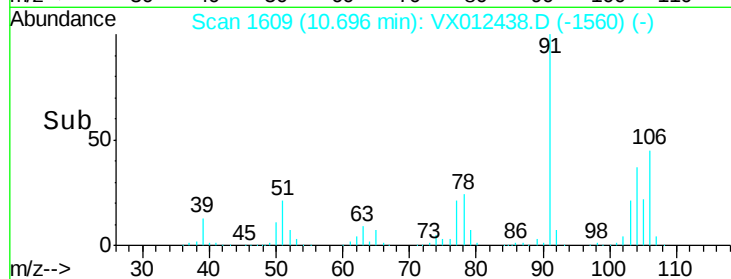
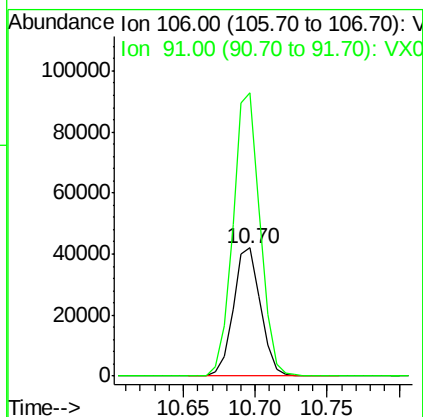
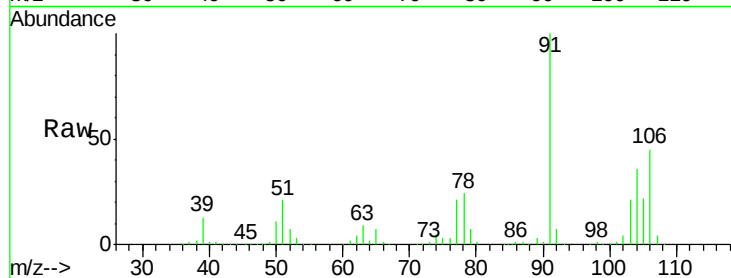
#69
o-Xylene
Concen: 20.802 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012438.D
Acq: 17 Sep 2019 17:55

Instrument :
MSVOA_X
ClientSampled :
VX0917WBS01

Tot Ion:106 Resp: 55422
Ion Ratio Lower Upper
106 100
91 220.5 109.4 328.2

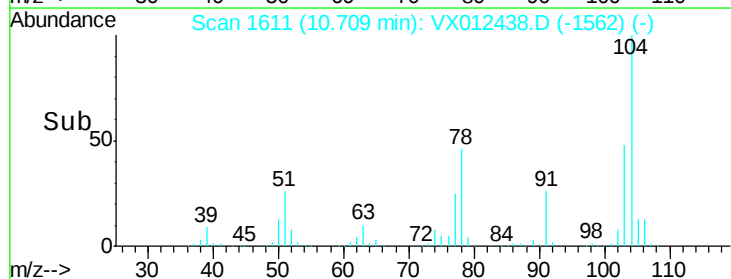
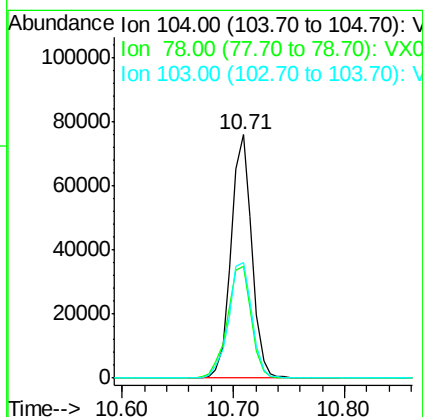
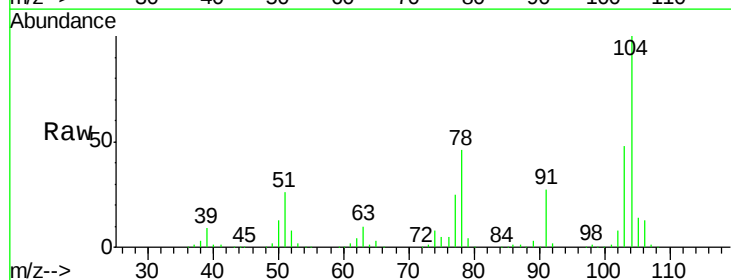
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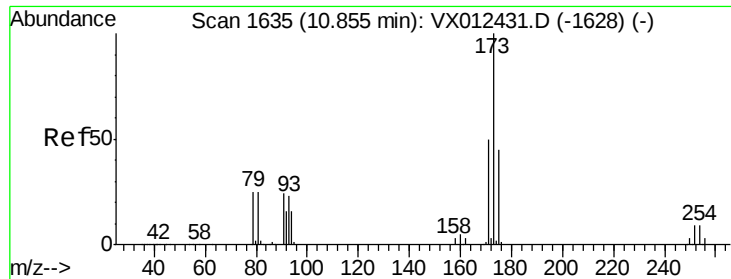
MMDadoda
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#70
Styrene
Concen: 20.729 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012438.D
Acq: 17 Sep 2019 17:55

Tgt Ion:104 Resp: 97715
Ion Ratio Lower Upper
104 100
78 53.4 43.4 65.2
103 53.4 43.3 64.9





#71

Bromoform

Concen: 18.782 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012438.D

Acq: 17 Sep 2019 17:55

Instrument :

MSVOA_X

ClientSampleId :

VX0917WBS01

Tot Ion:173 Resp: 24999

Ion Ratio Lower Upper

173 100

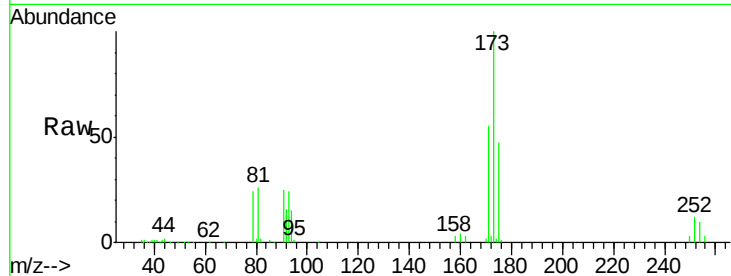
175 47.8 23.7 71.1

254 0.0 0.1 0.1#

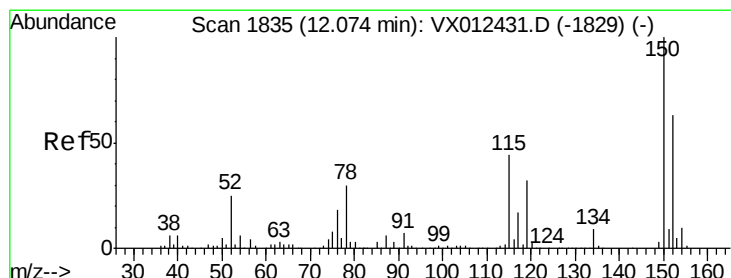
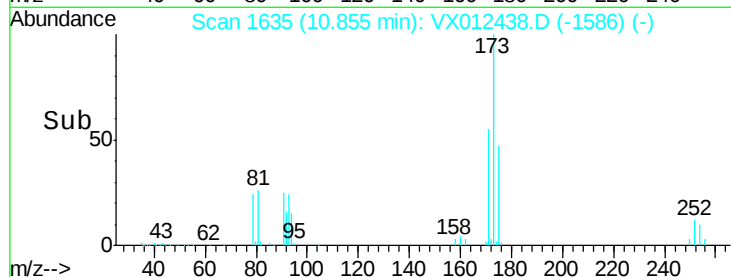
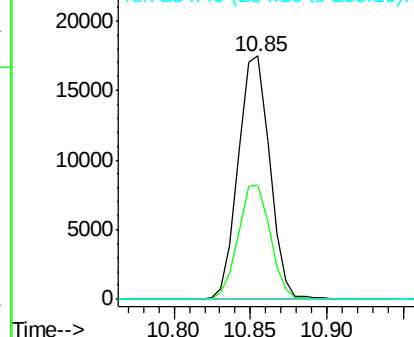
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012438.D

Acq: 17 Sep 2019 17:55

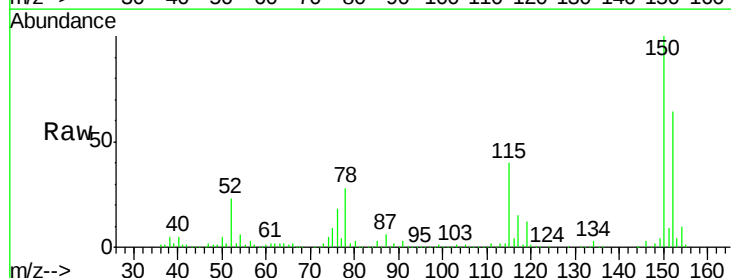
Tgt Ion:152 Resp: 122348

Ion Ratio Lower Upper

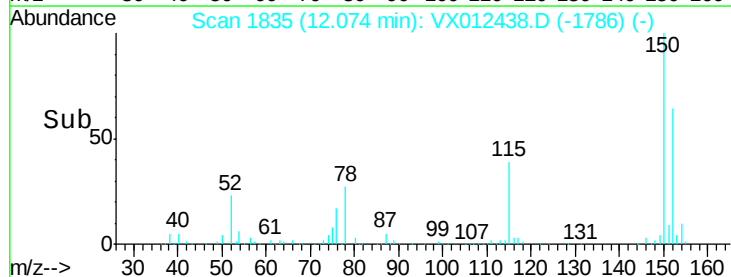
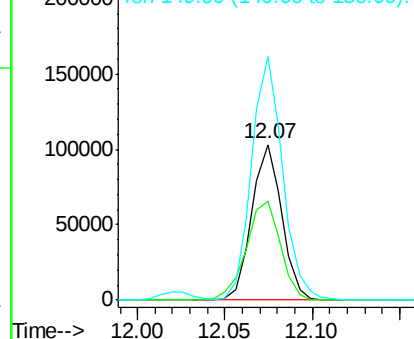
152 100

115 72.7 44.1 132.3

150 163.2 0.0 343.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.305 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012438.D

Acq: 17 Sep 2019 17:55

Instrument :

MSVOA_X

ClientSampleId :

VX0917WBS01

Tot Ion: 105 Resp: 155876

Ion Ratio Lower Upper

105 100

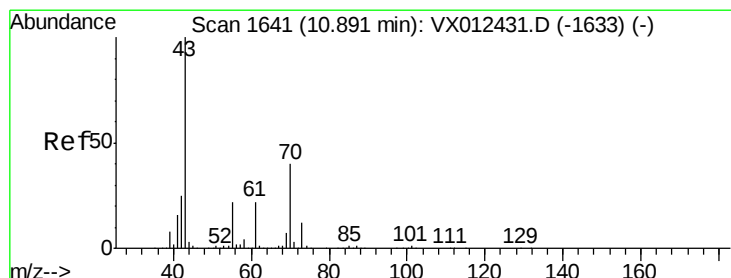
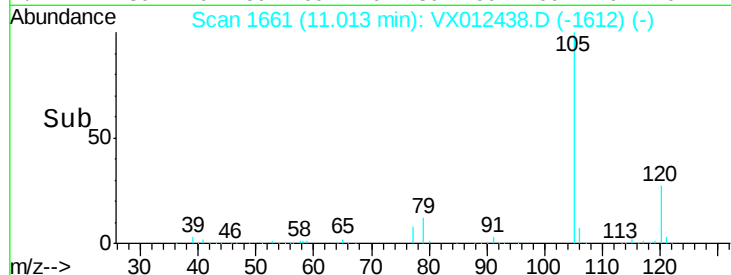
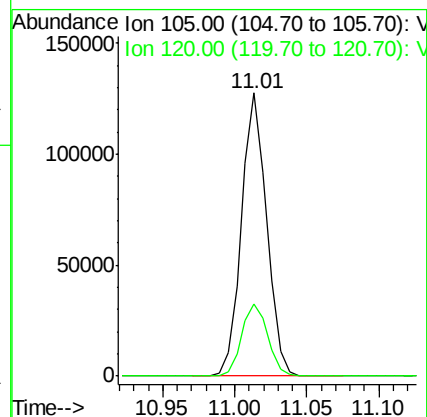
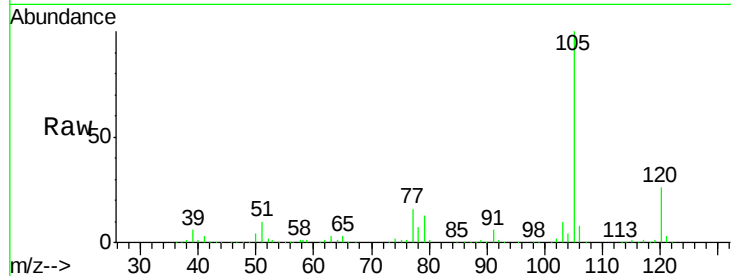
120 26.4 12.9 38.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.489 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012438.D

Acq: 17 Sep 2019 17:55

Tgt Ion: 43 Resp: 80547

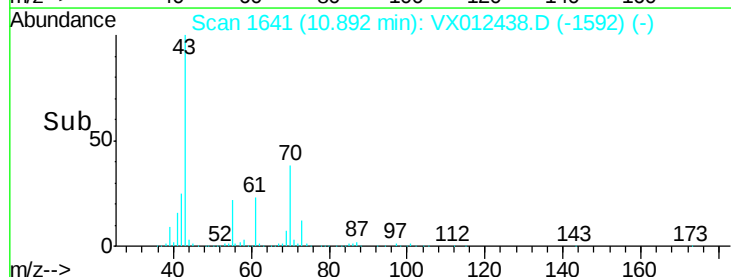
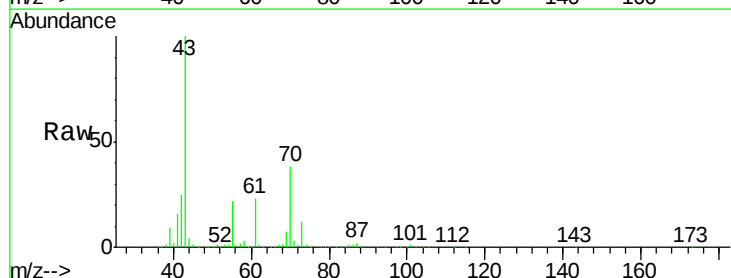
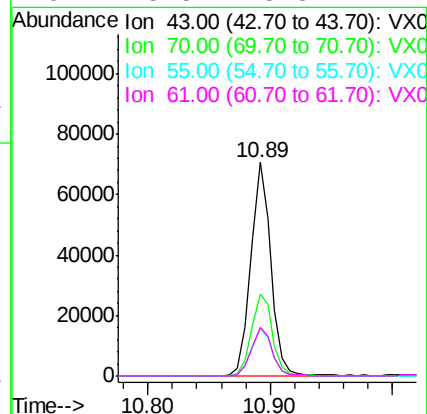
Ion Ratio Lower Upper

43 100

70 40.2 32.4 48.6

55 23.8 18.2 27.4

61 23.8 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.117 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012438.D

Acq: 17 Sep 2019 17:55

Instrument :

MSVOA_X

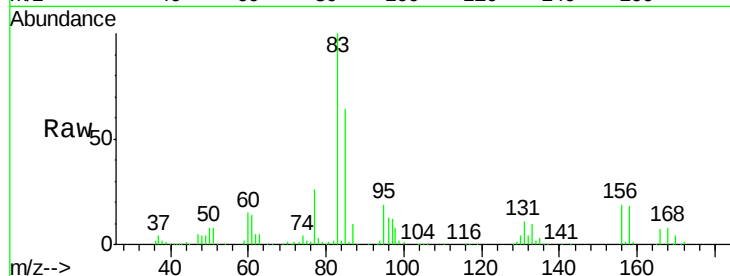
ClientSampleId :

VX0917WBS01

Tot Ion:	83	Resp:	57569
Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.2	15.6
85	63.7	32.0	96.0

Manual Integrations
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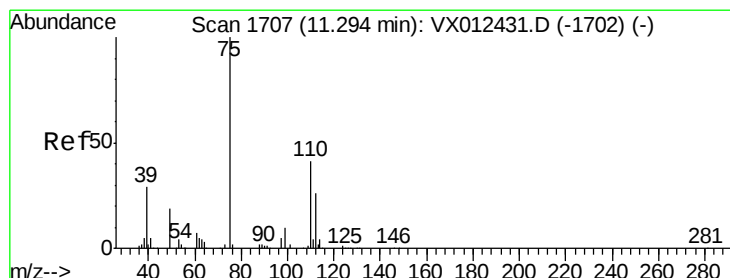
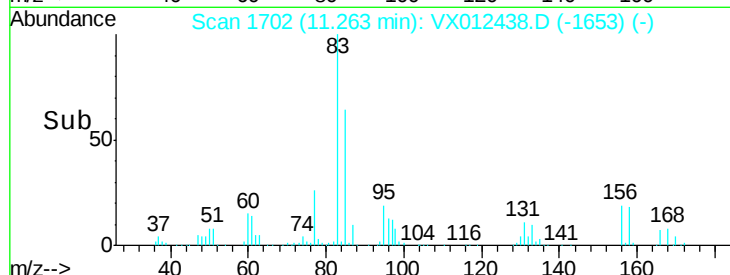
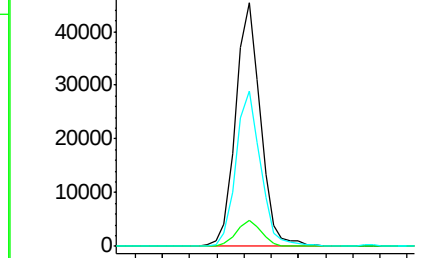
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 20.363 ug/l m

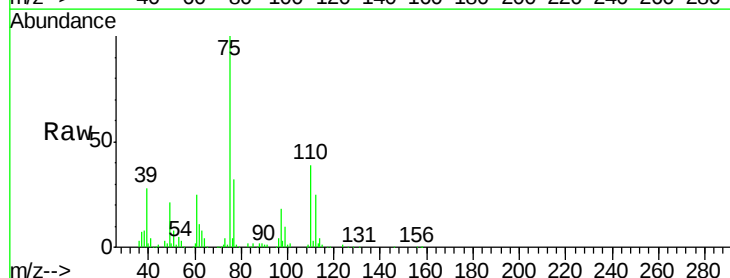
RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX012438.D

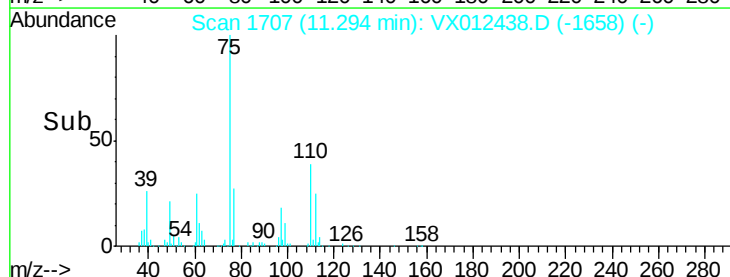
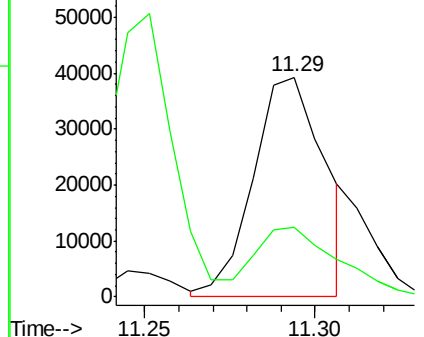
Acq: 17 Sep 2019 17:55

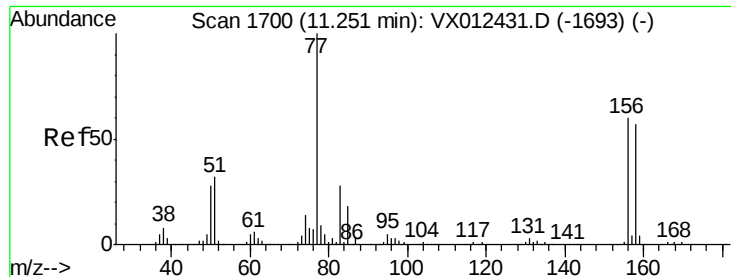
Tgt Ion:	75	Resp:	57229
Ion	Ratio	Lower	Upper
75	100		
77	36.7	19.7	59.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.883 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012438.D

Acq: 17 Sep 2019 17:55

Instrument :

MSVOA_X

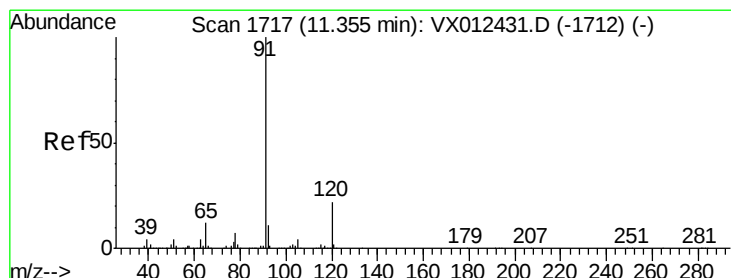
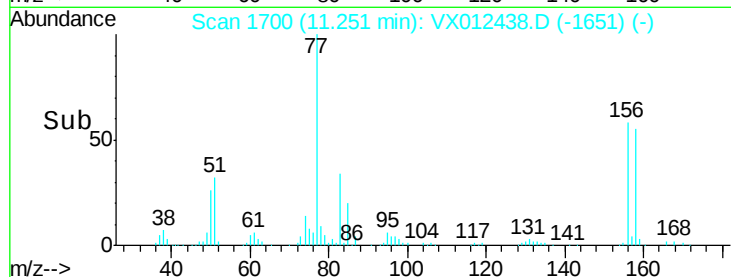
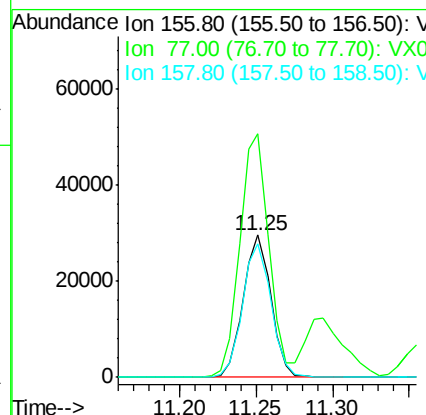
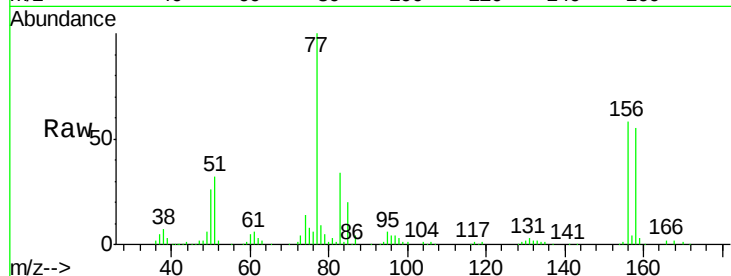
ClientSampleId :

VX0917WBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	176.7	87.3	261.8	
158	97.1	48.5	145.6	

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#78

n-propylbenzene

Concen: 20.736 ug/l

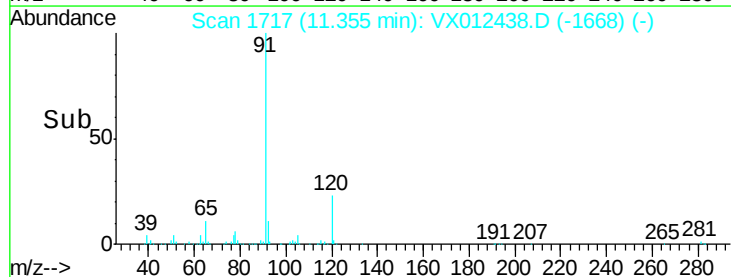
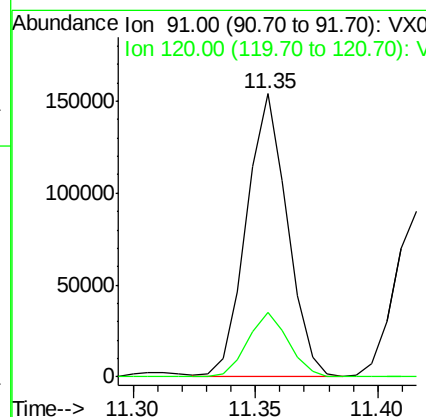
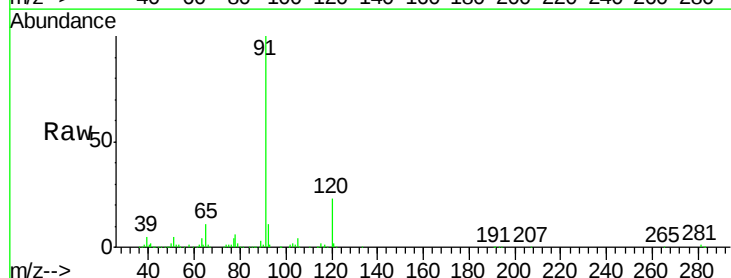
RT: 11.35 min Scan# 1717

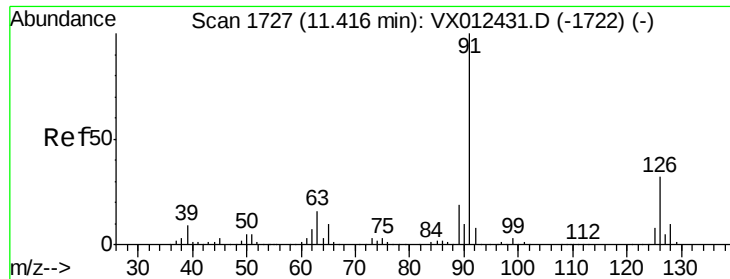
Delta R.T. 0.00 min

Lab File: VX012438.D

Acq: 17 Sep 2019 17:55

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.9	11.3	33.8	





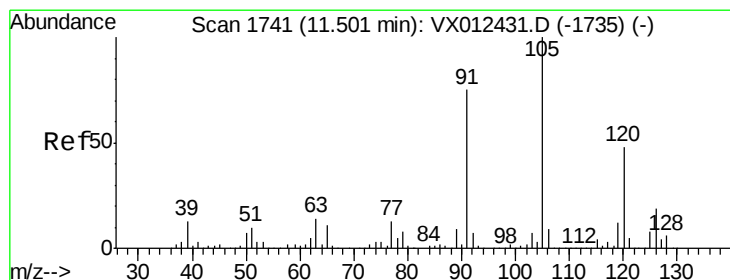
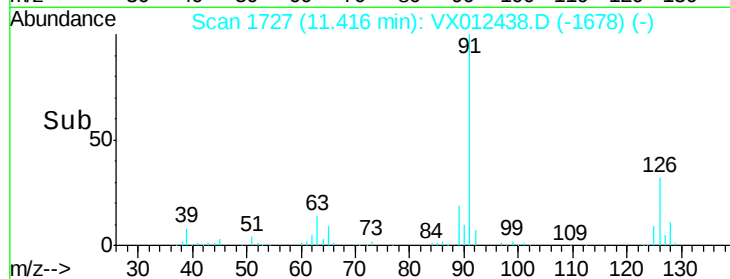
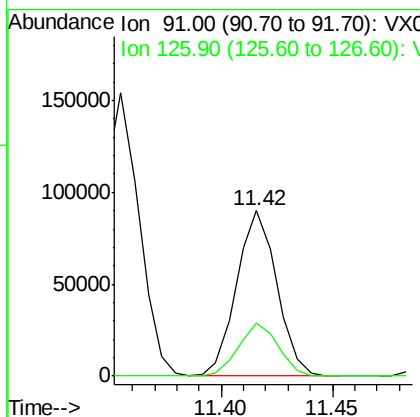
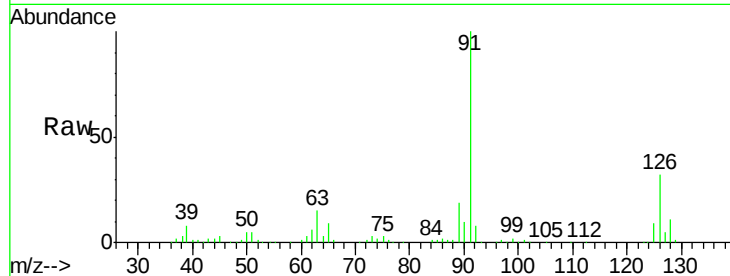
#79
2-Chlorotoluene
Concen: 20.315 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VX012438.D
Acq: 17 Sep 2019 17:55

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tot Ion: 91 Resp: 113077
Ion Ratio Lower Upper
91 100
126 32.0 16.4 49.4

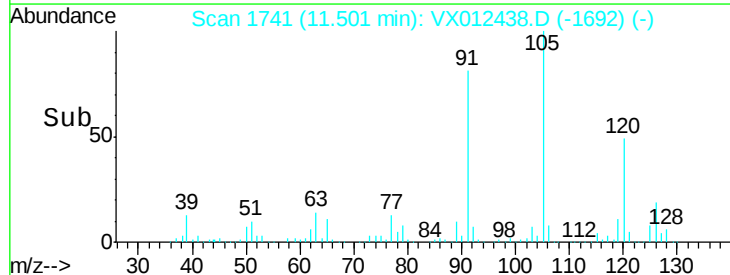
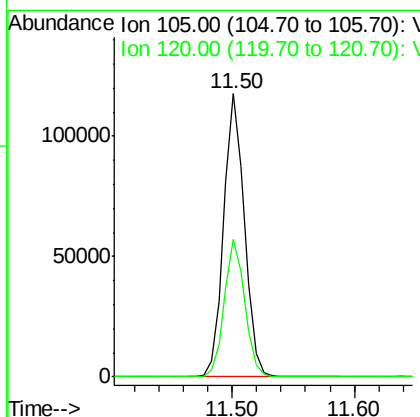
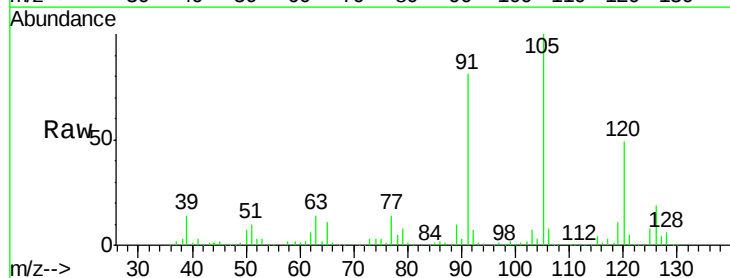
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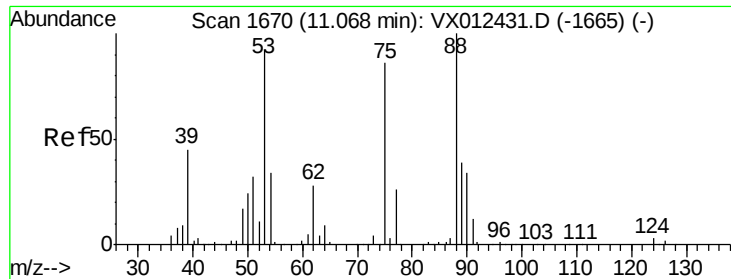
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 21.060 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX012438.D
Acq: 17 Sep 2019 17:55

Tgt Ion:105 Resp: 137880
Ion Ratio Lower Upper
105 100
120 47.7 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.469 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX012438.D

Acq: 17 Sep 2019 17:55

Instrument :

MSVOA_X

ClientSampleId :

VX0917WBS01

Tot Ion: 75 Resp: 16777

Ion Ratio Lower Upper

75 100

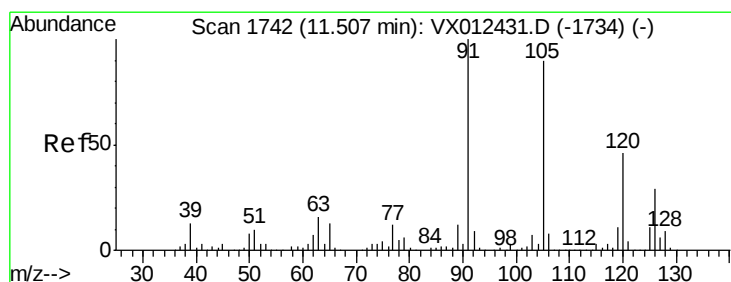
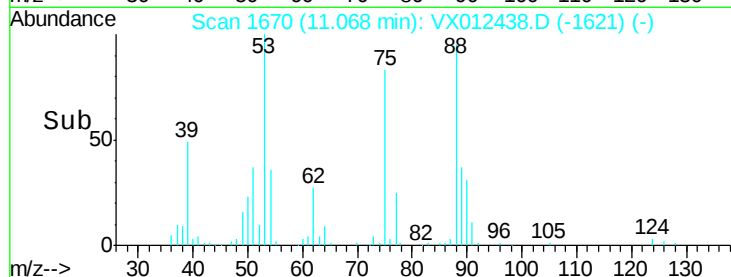
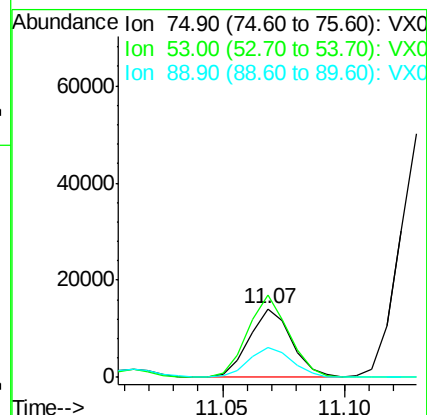
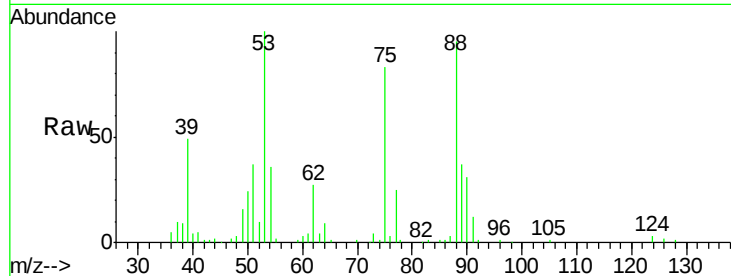
53 117.6 83.6 125.4

89 46.5 36.3 54.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.831 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX012438.D

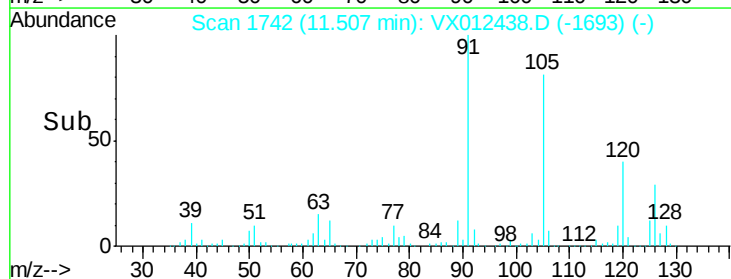
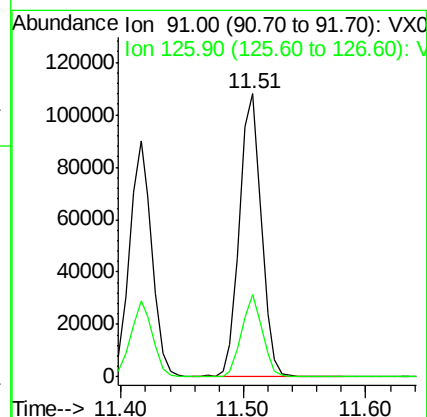
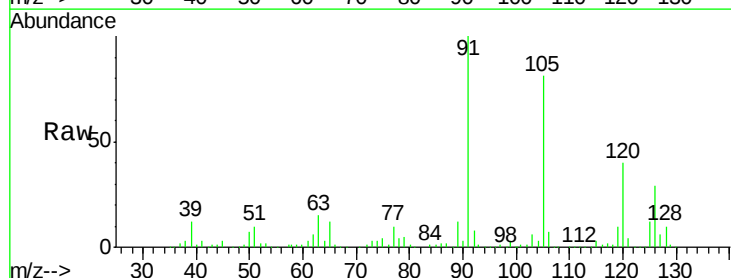
Acq: 17 Sep 2019 17:55

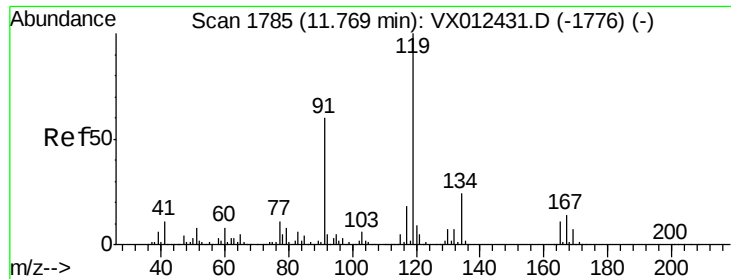
Tgt Ion: 91 Resp: 133072

Ion Ratio Lower Upper

91 100

126 27.6 14.4 43.0





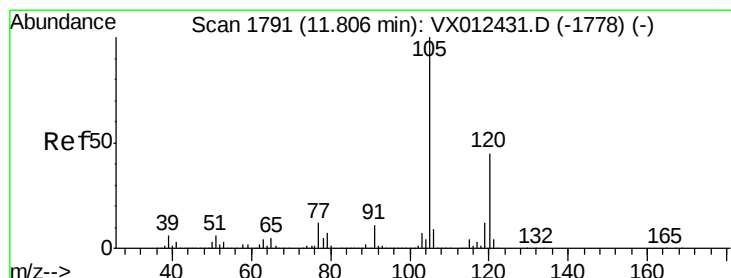
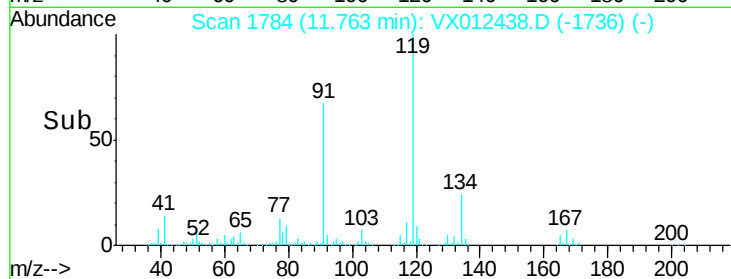
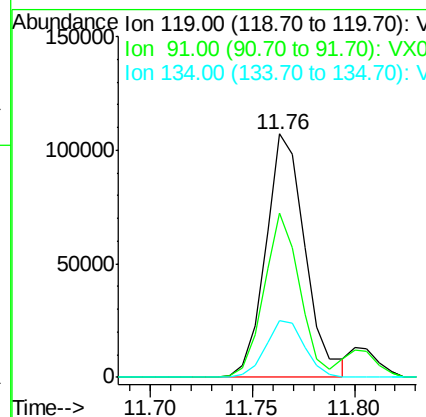
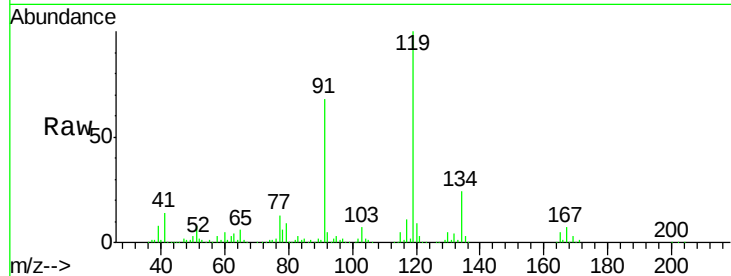
#83
tert-Butylbenzene
Concen: 20.525 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX012438.D
Acq: 17 Sep 2019 17:55

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	143992		
91	61.1	30.0	90.0	
134	23.0	11.3	33.9	

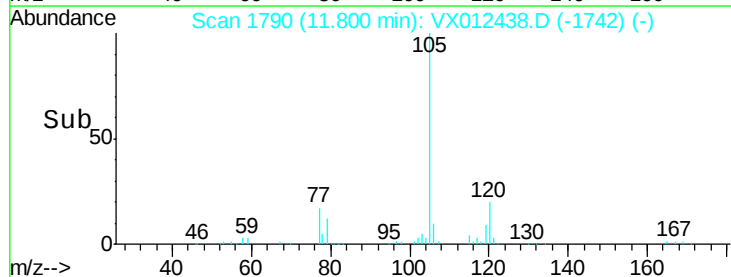
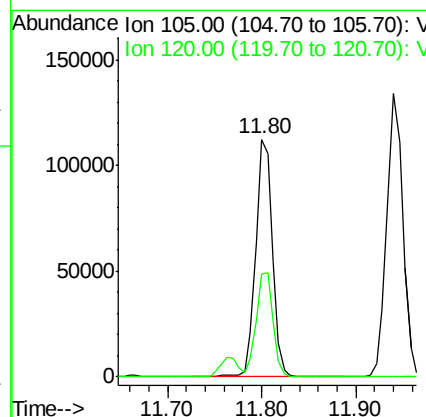
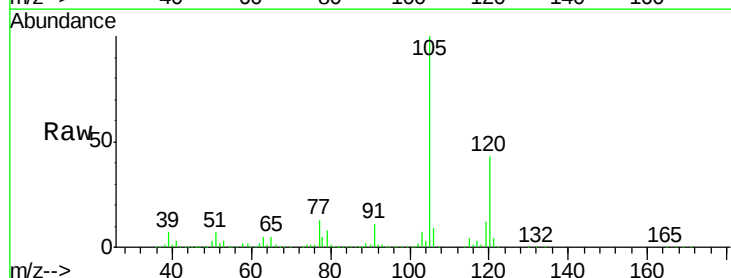
Manual Integrations
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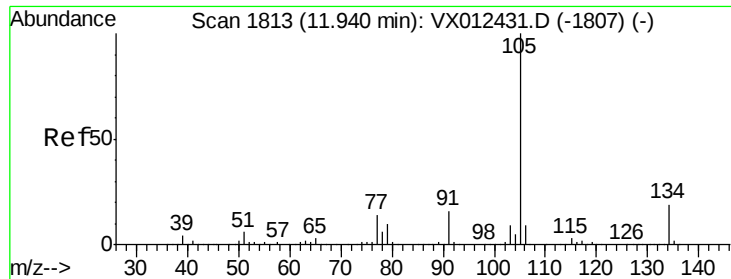
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#84
1,2,4-Trimethylbenzene
Concen: 20.971 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX012438.D
Acq: 17 Sep 2019 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	140968		
120	44.1	22.2	66.6	





#85

sec-Butylbenzene

Concen: 20.914 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012438.D

Acq: 17 Sep 2019 17:55

Instrument :

MSVOA_X

ClientSampleId :

VX0917WBS01

Tot Ion:105 Resp: 161672

Ion Ratio Lower Upper

105 100

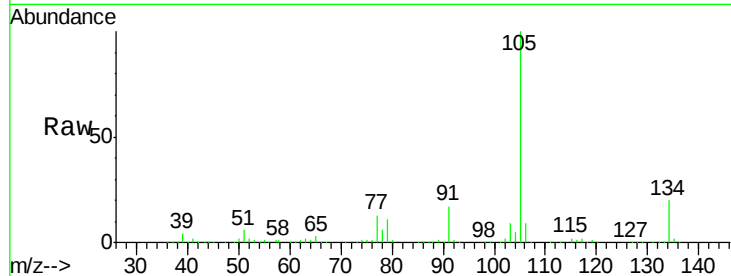
134 20.2 9.8 29.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

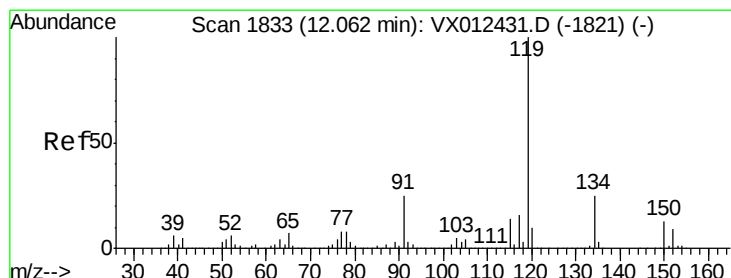
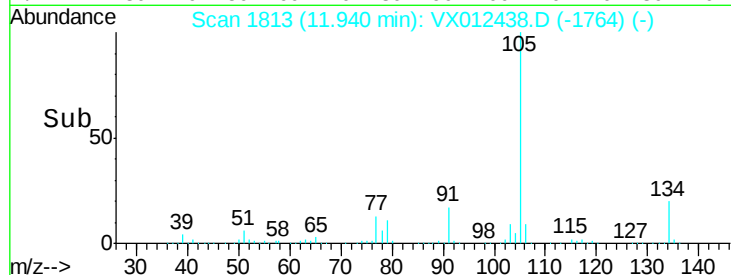
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.811 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012438.D

Acq: 17 Sep 2019 17:55

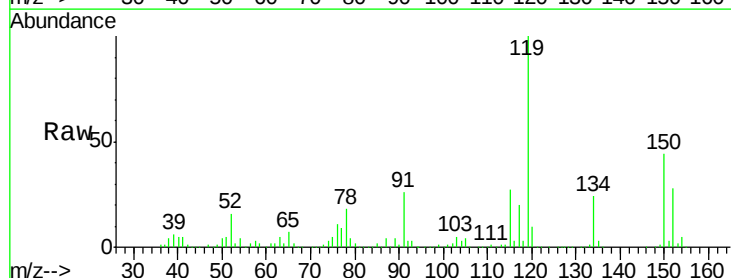
Tgt Ion:119 Resp: 147723

Ion Ratio Lower Upper

119 100

134 25.7 12.7 38.1

91 27.2 12.8 38.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.06

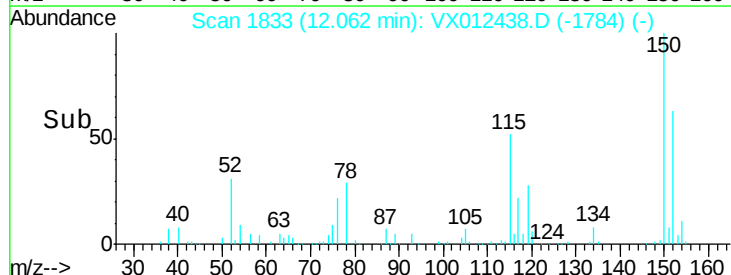
150000

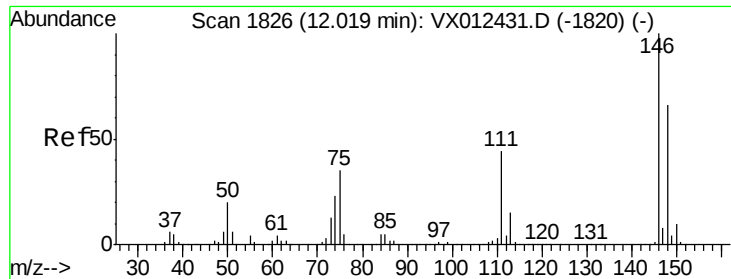
100000

50000

0

Time-->





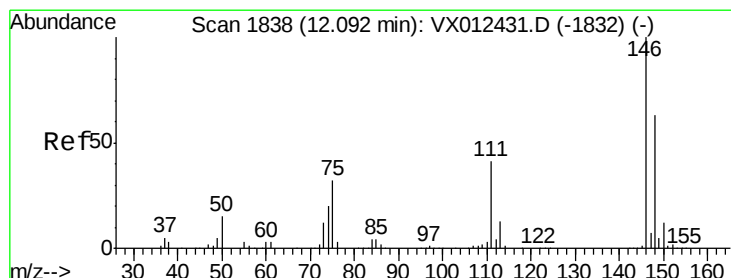
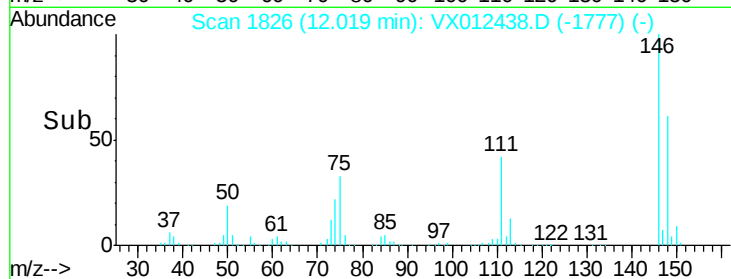
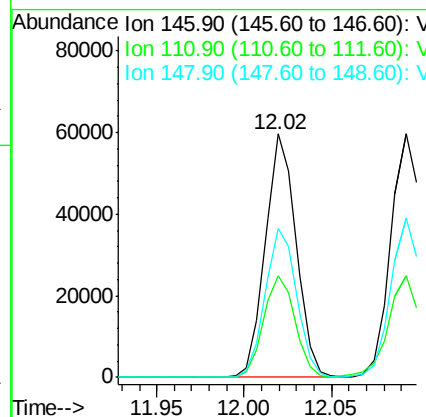
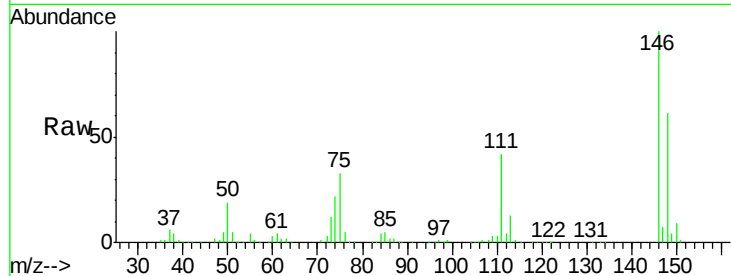
#87
 1,3-Dichlorobenzene
 Concen: 20.744 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012438.D
 Acq: 17 Sep 2019 17:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0917WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.3	64.0
148	62.8	32.4	97.2

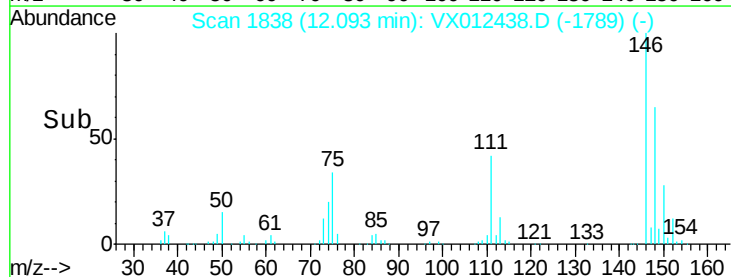
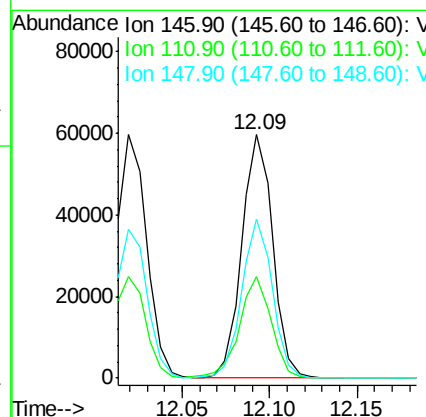
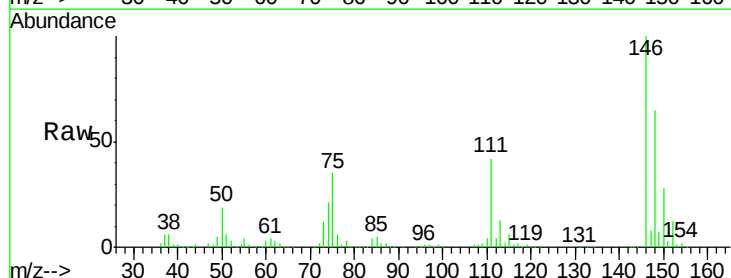
Manual Integrations
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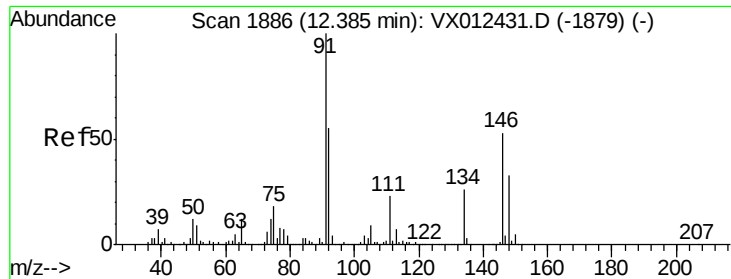
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#88
 1,4-Dichlorobenzene
 Concen: 20.255 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012438.D
 Acq: 17 Sep 2019 17:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.1	63.3
148	64.9	32.1	96.5





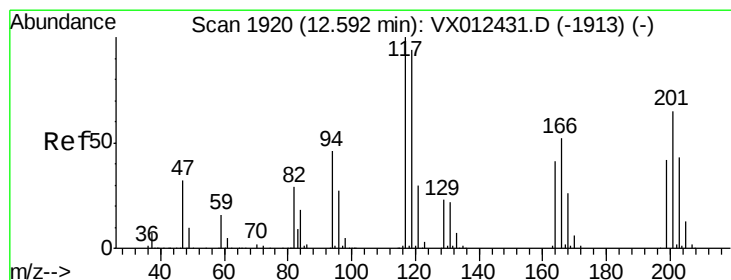
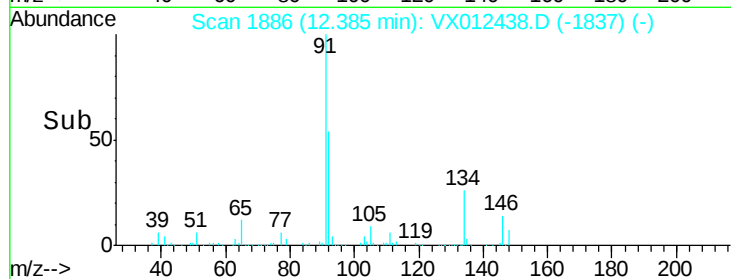
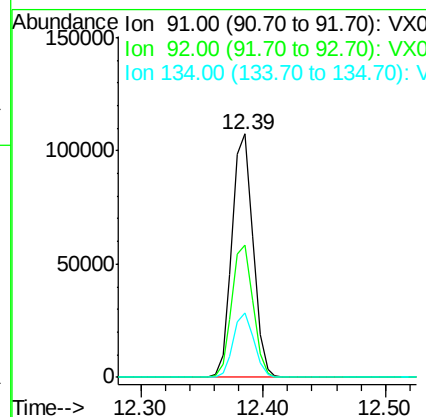
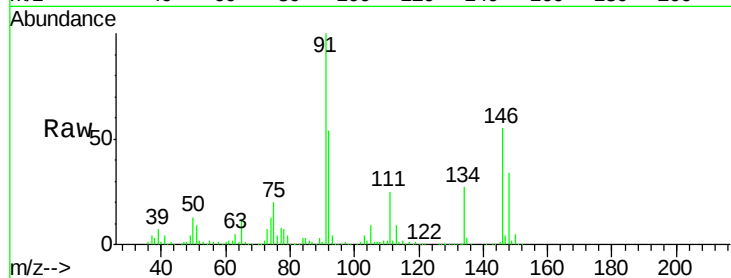
#89
n-Butylbenzene
Concen: 20.193 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012438.D
Acq: 17 Sep 2019 17:55

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.7	83.0
134	26.1	12.9	38.6

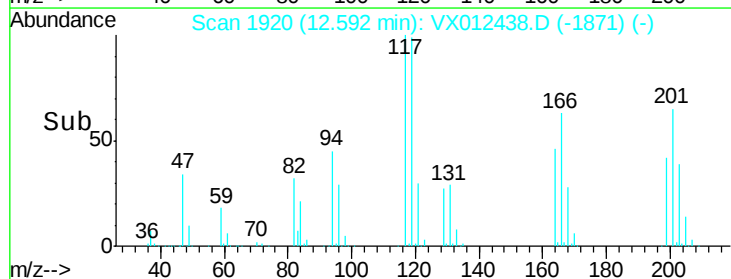
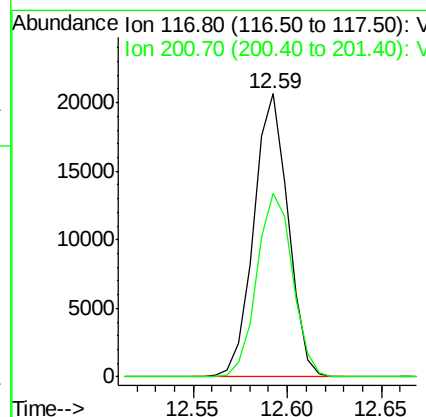
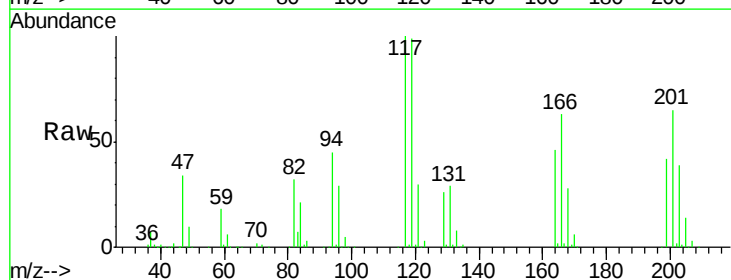
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#90
Hexachloroethane
Concen: 20.006 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012438.D
Acq: 17 Sep 2019 17:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.5	33.3	99.8





#91

1,2-Dichlorobenzene

Concen: 19.805 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012438.D

Acq: 17 Sep 2019 17:55

Instrument :

MSVOA_X

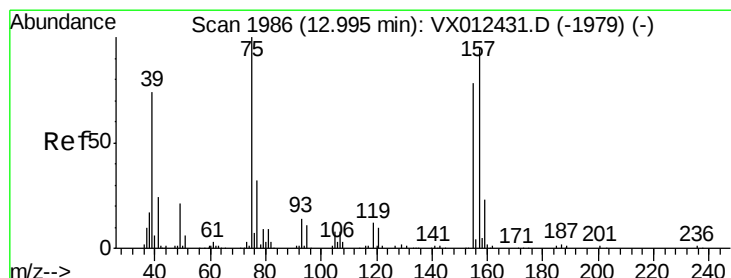
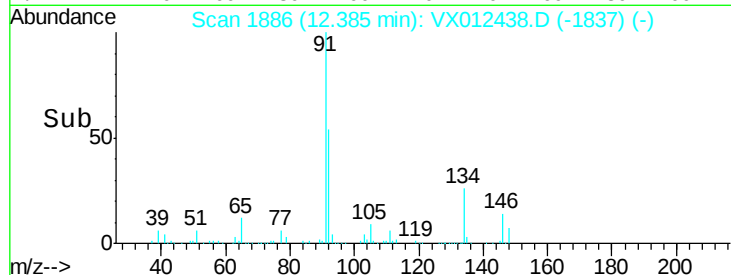
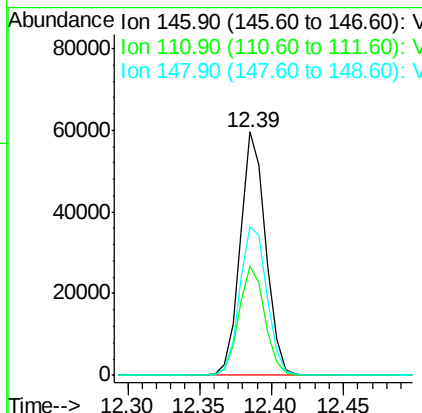
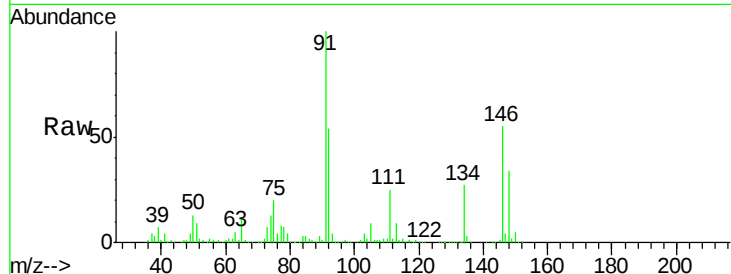
ClientSampleId :

VX0917WBS01

Tot Ion:	146	Resp:	72898
Ion Ratio	Lower	Upper	
146	100		
111	45.8	22.1	66.1
148	65.4	31.3	93.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.451 ug/l

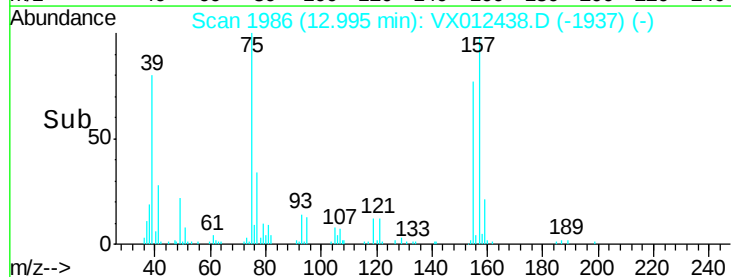
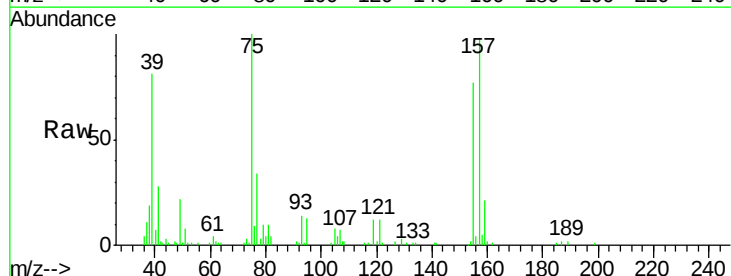
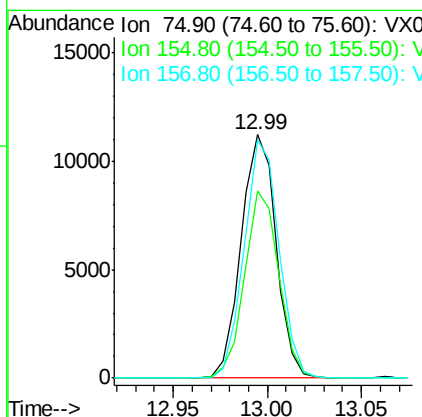
RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VX012438.D

Acq: 17 Sep 2019 17:55

Tgt Ion:	75	Resp:	14405
Ion Ratio	Lower	Upper	
75	100		
155	75.8	38.6	115.8
157	97.4	50.6	151.9





#93

1,2,4-Trichlorobenzene

Concen: 20.328 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX012438.D

Acq: 17 Sep 2019 17:55

Instrument :

MSVOA_X

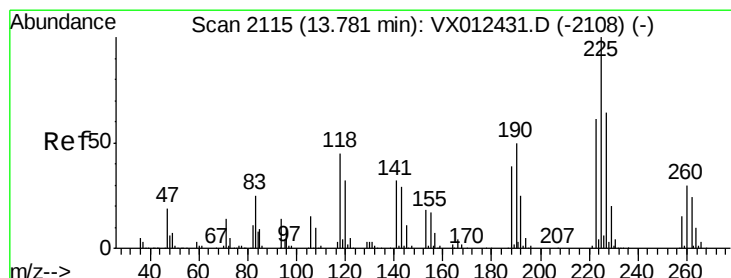
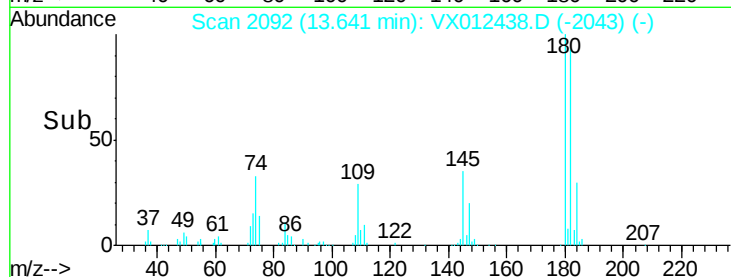
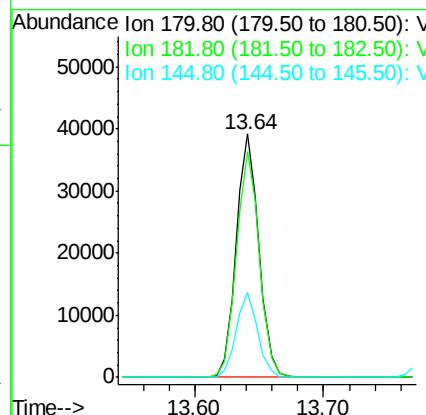
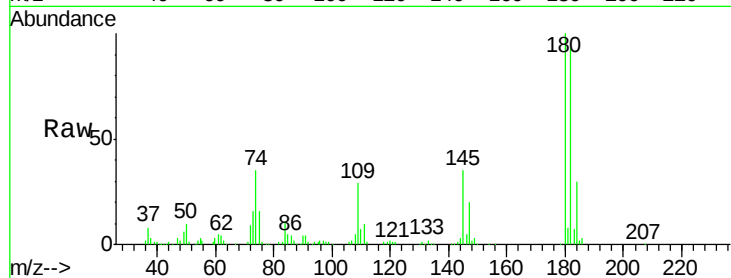
ClientSampleId :

VX0917WBS01

Tot Ion:	180	Resp:	48195
Ion Ratio	Lower	Upper	
180	100		
182	93.4	47.0	141.0
145	33.3	16.8	50.4

Manual Integrations
APPROVED

MMDadoda
9/18/2019 11:20:28 AM



#94

Hexachlorobutadiene

Concen: 19.706 ug/l

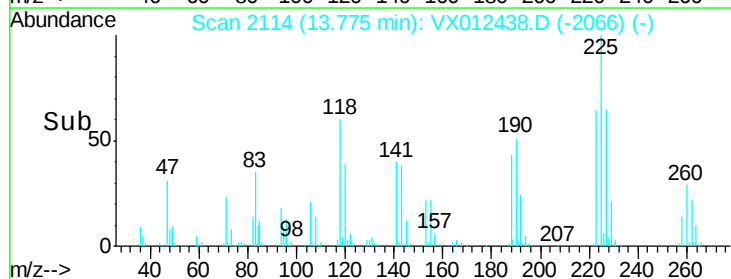
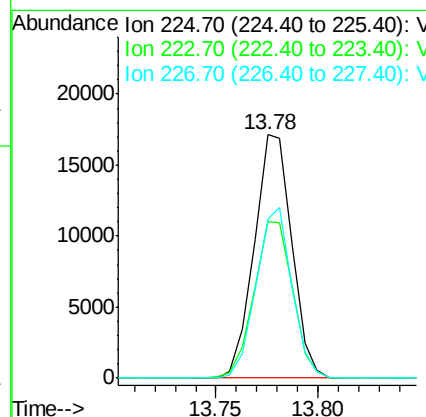
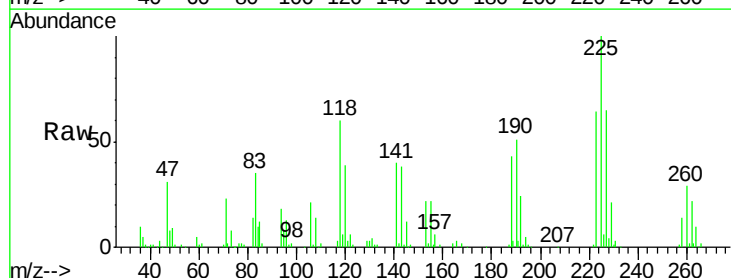
RT: 13.78 min Scan# 2114

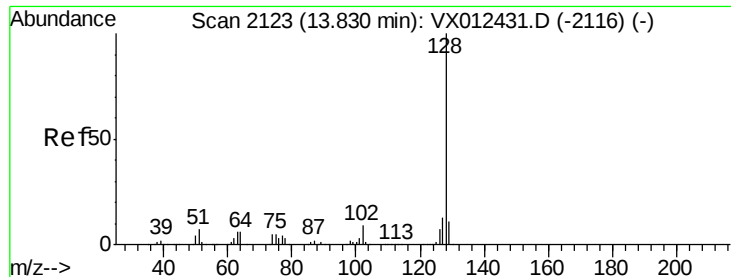
Delta R.T. -0.01 min

Lab File: VX012438.D

Acq: 17 Sep 2019 17:55

Tgt Ion:	225	Resp:	22020
Ion Ratio	Lower	Upper	
225	100		
223	66.1	32.0	96.2
227	66.6	31.9	95.5





#95

Naphthalene

Concen: 19.935 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012438.D

Acq: 17 Sep 2019 17:55

Instrument :

MSVOA_X

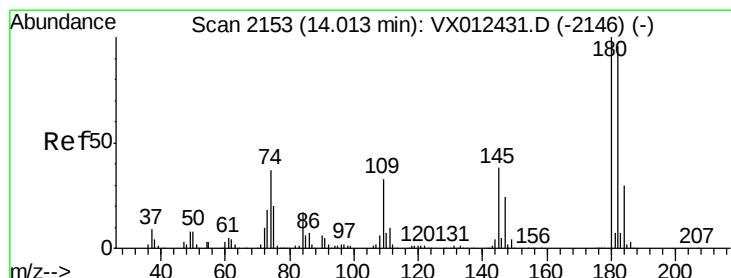
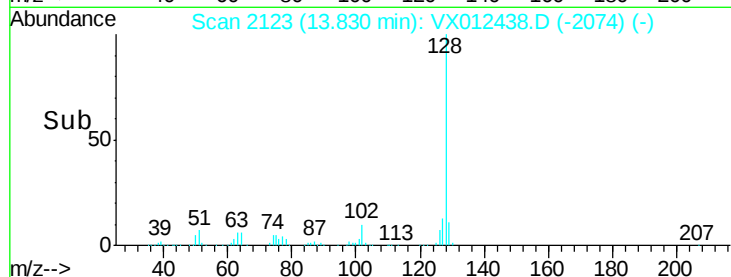
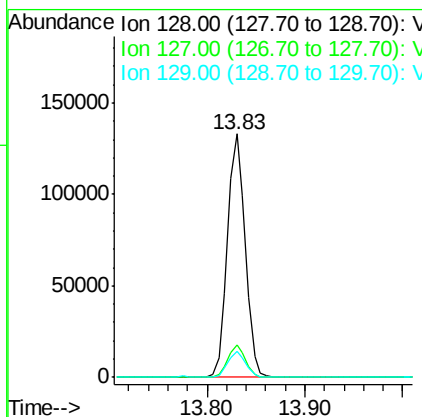
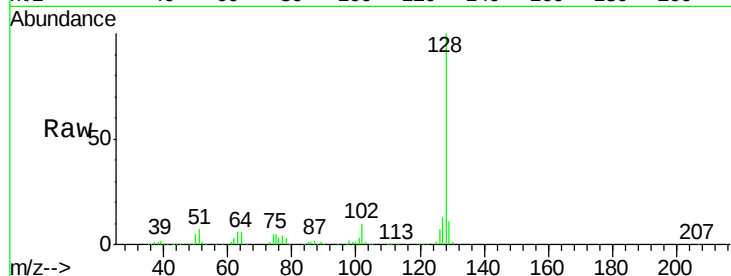
ClientSampleId :

VX0917WBS01

Tot Ion:	128	Resp:	168172
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.2	15.4
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/18/2019 11:20:28 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.349 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX012438.D

Acq: 17 Sep 2019 17:55

Tgt Ion:	180	Resp:	49164
Ion Ratio	Lower	Upper	
180	100		
182	96.9	47.1	141.3
145	36.7	18.0	54.0

