

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040919\
 Data File : VX008764.D
 Acq On : 09 Apr 2019 11:52
 Operator : JC/SP
 Sample : VX0409WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0409WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/10/2019 4:21:05 PM

Quant Time: Apr 09 14:10:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Mar 27 12:01:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	37214	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	218989	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	187578	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	94174	30.25	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.83%
60) 4-Bromofluorobenzene	11.13	95	94469	28.91	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.37%
63) Toluene-d8	8.71	98	273214	30.68	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.27%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	46310	18.199	ug/l 100
3) Chloromethane	1.32	50	58491	17.544	ug/l 97
4) Vinyl Chloride	1.41	62	61087	18.177	ug/l 98
5) Bromomethane	1.64	94	31919	18.331	ug/l 99
6) Chloroethane	1.71	64	37137	16.884	ug/l 98
7) Trichlorofluoromethane	1.92	101	74780	20.048	ug/l 98
8) Diethyl Ether	2.19	74	34440	19.578	ug/l 80
9) 1,1,2-Trichlorotrifluoroet	2.38	101	48191	20.746	ug/l 93
10) 1,1-Dichloroethene	2.37	96	48916	20.757	ug/l 83
11) Methyl Iodide	2.51	142	44273	18.143	ug/l 96
12) Methyl Acetate	3.20	43	40483	21.195	ug/l 95
13) Acrolein	2.29	56	64859	118.367	ug/l 97
14) Acrylonitrile	3.14	53	195492	110.705	ug/l 99
15) Acetone	2.45	58	57288	105.202	ug/l 93
16) Carbon Disulfide	2.57	76	133868	18.261	ug/l 99
17) Allyl chloride	2.73	41	113060	21.347	ug/l 88
18) Methylene Chloride	2.85	84	56305	19.987	ug/l 87
19) trans-1,2-Dichloroethene	3.17	96	51452	20.436	ug/l 87
20) Diisopropyl ether	3.86	45	224755	21.803	ug/l # 94
21) 1,1-Dichloroethane	3.70	63	109958	21.250	ug/l 97
22) cis-1,2-Dichloroethene	4.60	96	60925	20.940	ug/l # 80
23) tert-Butyl Alcohol	3.06	59	74513	104.496	ug/l # 100
24) Methyl tert-Butyl Ether	3.20	73	184041	21.250	ug/l 99
25) Chloroform	5.21	83	99652	21.261	ug/l 96
26) Cyclohexane	5.58	56	104815	20.850	ug/l # 80
29) 1,1-Dichloropropene	5.80	75	76013	20.632	ug/l 93
30) 2-Butanone	4.68	43	299071	110.393	ug/l 93
31) 2,2-Dichloropropane	4.58	77	80679	21.926	ug/l 93
32) 1,1,1-Trichloroethane	5.49	97	80225	20.969	ug/l 95
33) Carbon Tetrachloride	5.78	117	65783	20.551	ug/l 99
34) Benzene	6.14	78	233997	20.778	ug/l # 95
35) Methacrylonitrile	5.04	41	61949	22.486	ug/l 92
36) 1,2-Dichloroethane	6.19	62	83892	20.894	ug/l 97
37) Trichloroethene	7.21	130	54754	21.141	ug/l 85
38) Methylcyclohexane	7.46	83	93394	20.118	ug/l 88
39) 1,2-Dichloropropane	7.51	63	65374	20.466	ug/l 99
40) Dibromomethane	7.66	93	37851	20.456	ug/l 91

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Manual Integrations
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Quant Time: Apr 09 14:10:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Mar 27 12:01:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.90	83	74485	20.473	ug/l	99
42) Vinyl Acetate	3.81	43	1000767	108.971	ug/l #	93
43) Ethyl Acetate	4.84	43	110345	22.630	ug/l #	81
44) Isopropyl Acetate	6.45	43	170708	21.651	ug/l	98
45) 1,4-Dioxane	7.74	88	29903	380.982	ug/l #	82
46) Methyl methacrylate	7.77	41	85953	21.465	ug/l	83
47) n-amyl Acetate	10.90	43	140218	19.578	ug/l	94
48) t-1,3-Dichloropropene	9.04	75	85144	20.719	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	96075	20.902	ug/l	97
50) 1,1,2-Trichloroethane	9.21	97	56192	20.452	ug/l	98
51) Ethyl methacrylate	9.18	69	102266	20.002	ug/l	89
52) 1,3-Dichloropropane	9.37	76	101834	20.833	ug/l	99
53) Dibromochloromethane	9.58	129	54333	20.096	ug/l	100
54) 1,2-Dibromoethane	9.67	107	58361	20.606	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	296354	114.894	ug/l	95
56) Bromoform	10.86	173	38870	19.727	ug/l #	97
58) 4-Methyl-2-Pentanone	8.64	43	552402	111.627	ug/l #	95
59) 2-Hexanone	9.49	43	425295	108.781	ug/l	96
61) Tetrachloroethene	9.34	164	47716	23.256	ug/l	97
62) Toluene	8.79	91	238297	20.983	ug/l	100
64) Chlorobenzene	10.14	112	136915	20.574	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.22	131	50735	21.624	ug/l	98
66) Ethyl Benzene	10.25	91	255866	20.297	ug/l	96
67) m/p-Xylenes	10.36	106	184738	40.179	ug/l	92
68) o-Xylene	10.69	106	89896	19.980	ug/l	92
69) Styrene	10.71	104	156726	20.018	ug/l	96
70) Isopropylbenzene	11.02	105	241574	20.354	ug/l	95
71) 1,1,2,2-Tetrachloroethane	11.27	83	90447	20.399	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	78435m	20.928	ug/l	
73) Bromobenzene	11.26	156	56648	20.061	ug/l	79
74) n-propylbenzene	11.36	91	282152	19.955	ug/l	94
75) 2-Chlorotoluene	11.42	91	167226	19.879	ug/l	91
76) 1,3,5-Trimethylbenzene	11.51	105	204978	20.201	ug/l	96
77) t-1,4-Dichloro-2-butene	11.07	75	30227	21.026	ug/l	91
78) 4-Chlorotoluene	11.51	91	187999	19.419	ug/l	91
79) tert-butylbenzene	12.06	119	206983	19.960	ug/l	97
80) 1,2,4-Trimethylbenzene	11.80	105	202443	20.009	ug/l	96
81) sec-Butylbenzene	11.94	105	231496	19.968	ug/l	96
82) p-Isopropyltoluene	12.06	119	206983	19.960	ug/l	97
83) 1,3-Dichlorobenzene	12.02	146	99299	19.808	ug/l	95
84) 1,4-Dichlorobenzene	12.10	146	98884	19.739	ug/l	97
85) n-Butylbenzene	12.39	91	192519	19.540	ug/l	97
86) Hexachloroethane	12.60	117	33987	19.616	ug/l	99
87) 1,2-Dichlorobenzene	12.39	146	98294	19.460	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	13.00	75	19871	20.220	ug/l #	76
89) 1,2,4-Trichlorobenzene	13.65	180	68934	19.784	ug/l	99
90) Hexachlorobutadiene	13.78	225	34964	20.830	ug/l	99
91) Naphthalene	13.83	128	235389	19.718	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	70634	20.125	ug/l	98

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ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0409WBSD01

Manual Integrations
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Quant Time: Apr 09 14:10:48 2019
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Mar 27 12:01:15 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

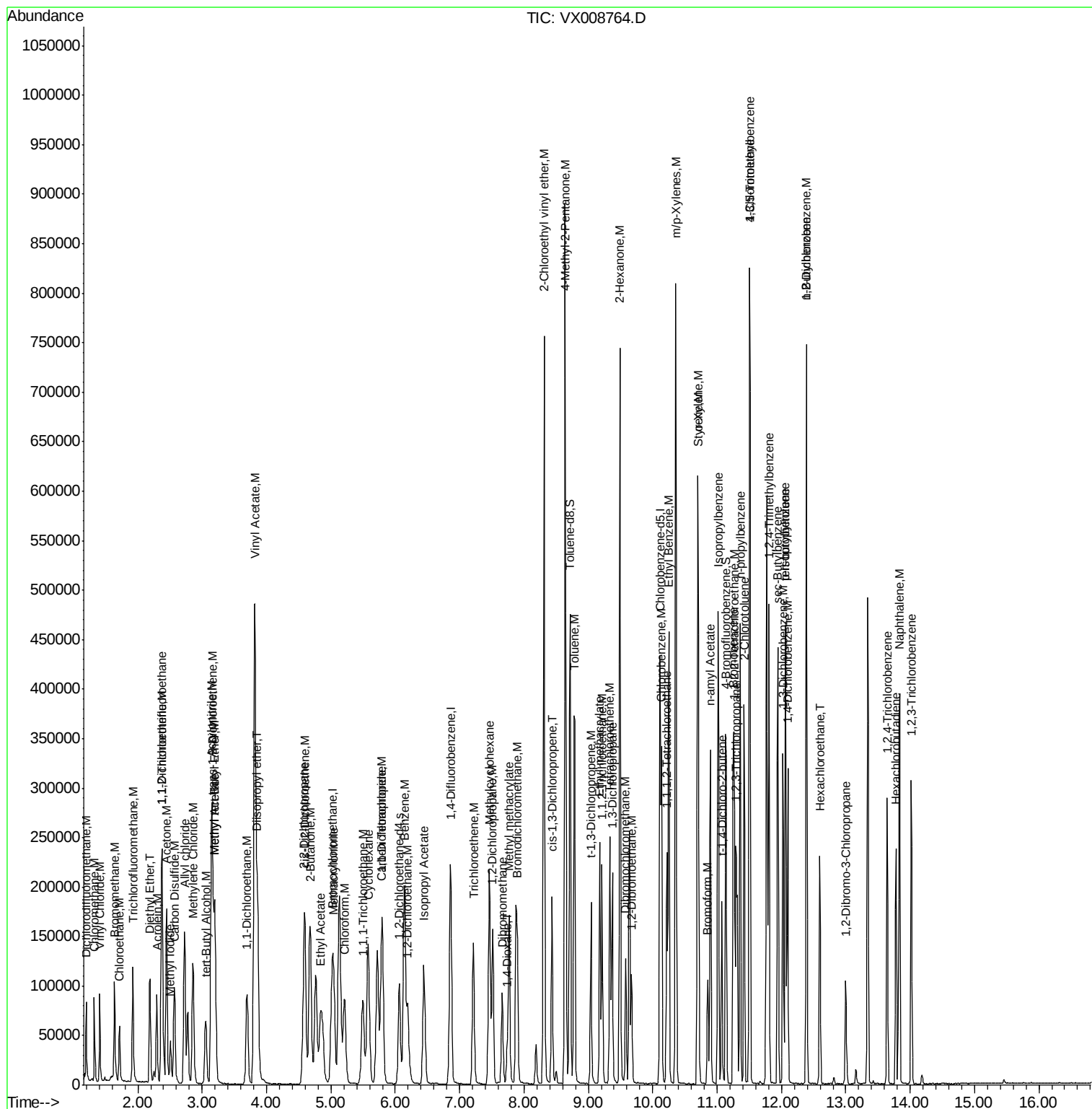
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Data File : VX008764.D
Acq On : 09 Apr 2019 11:52
Operator : JC/SP
Sample : VX0409WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

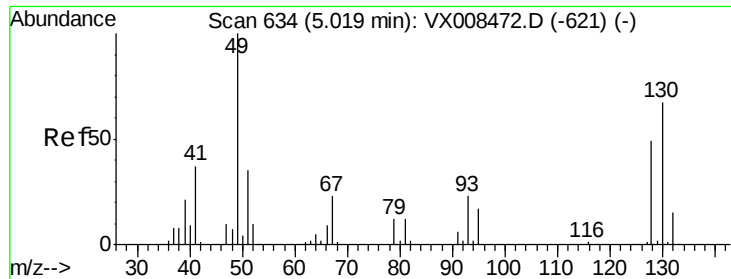
Instrument :
MSVOA_X
ClientSampleID :
VX0409WBSD01

Manual Integrations
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4/10/2019 4:21:05 PM

Quant Time: Apr 09 14:10:48 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X032719W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Mar 27 12:01:15 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX008764.D

Acq: 09 Apr 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0409WBSD01

Tot Ion:128 Resp: 37214

Ion Ratio Lower Upper

128 100

49 208.5 0.0 350.8

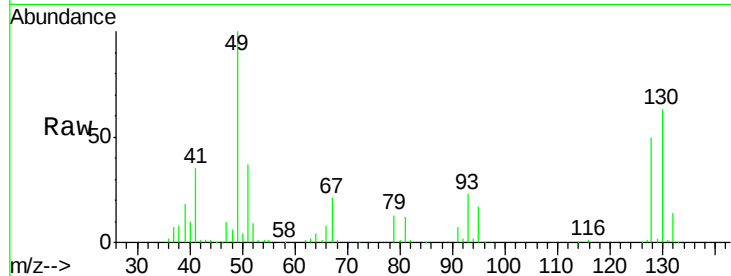
130 127.6 0.0 325.8

Manual Integrations

APPROVED

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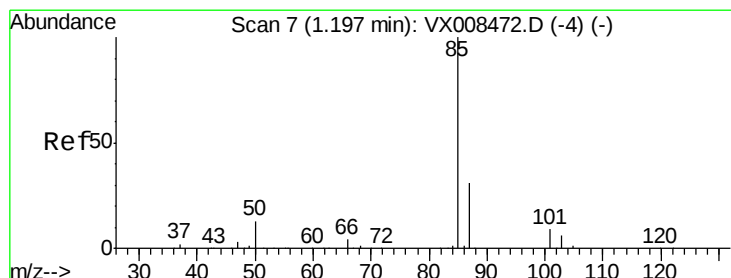
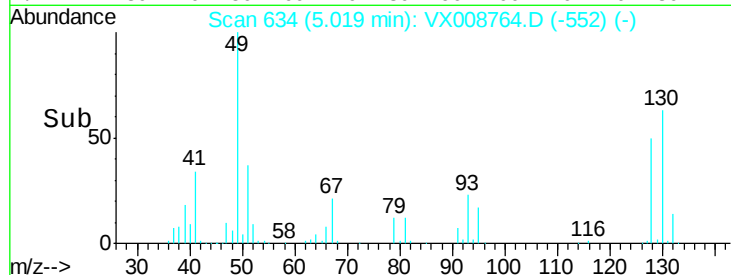
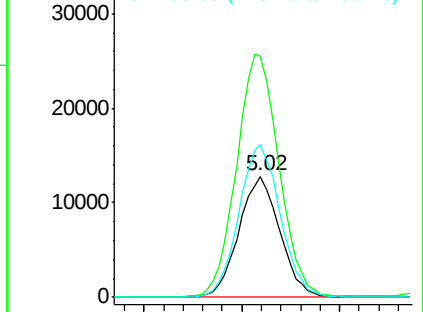
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 18.199 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008764.D

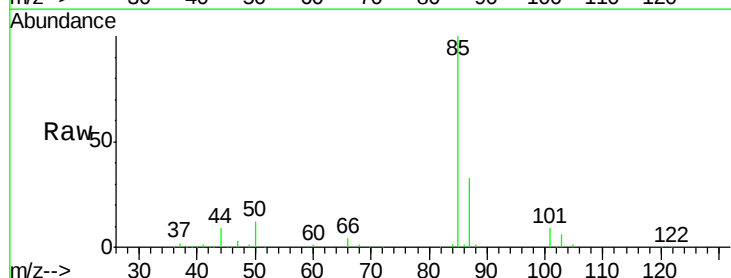
Acq: 09 Apr 2019 11:52

Tgt Ion: 85 Resp: 46310

Ion Ratio Lower Upper

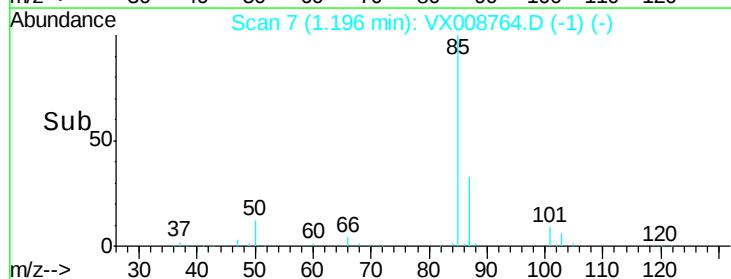
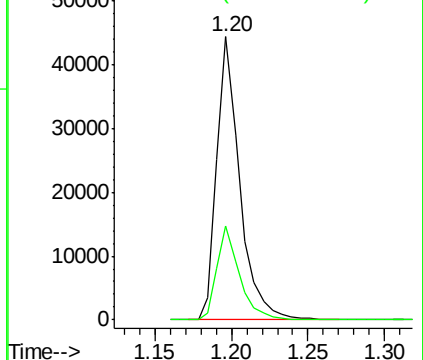
85 100

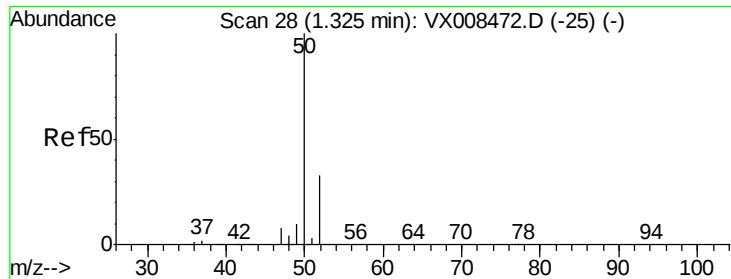
87 33.4 16.6 49.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 17.544 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX008764.D

Acq: 09 Apr 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0409WBSD01

Tot Ion: 50 Resp: 58491

Ion Ratio Lower Upper

50 100

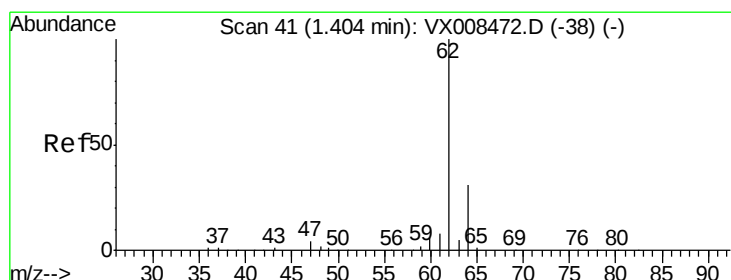
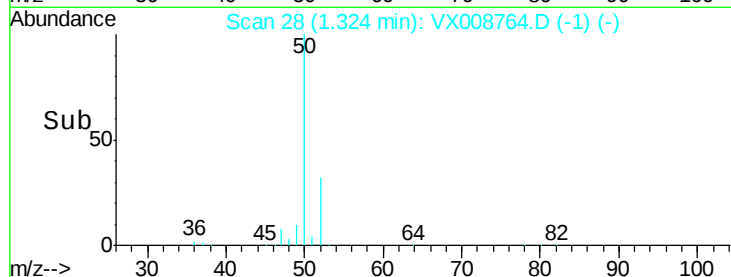
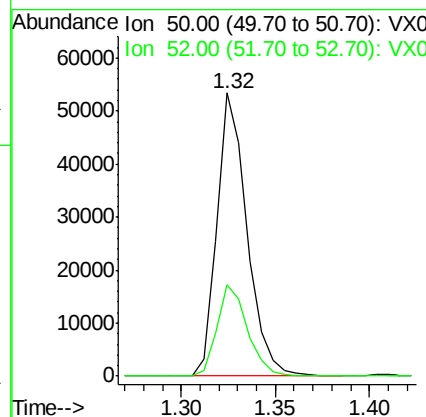
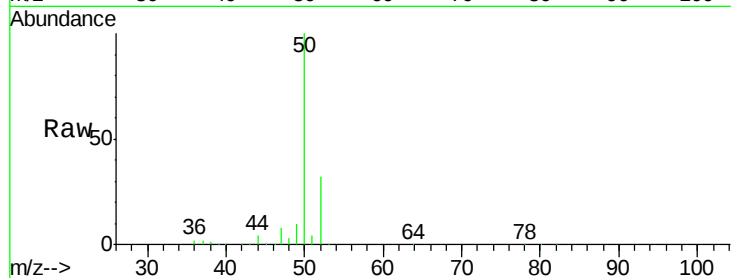
52 32.4 27.5 41.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.177 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX008764.D

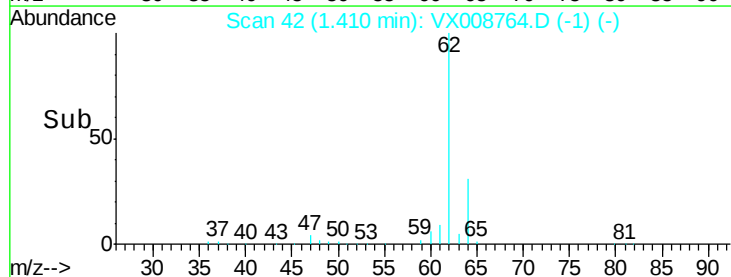
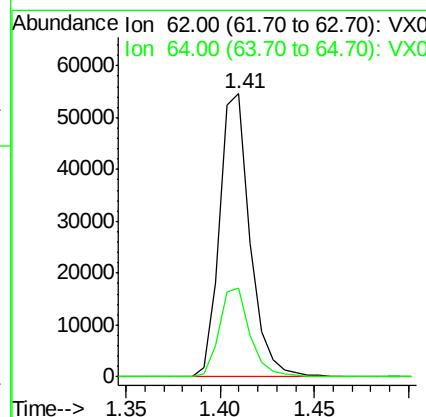
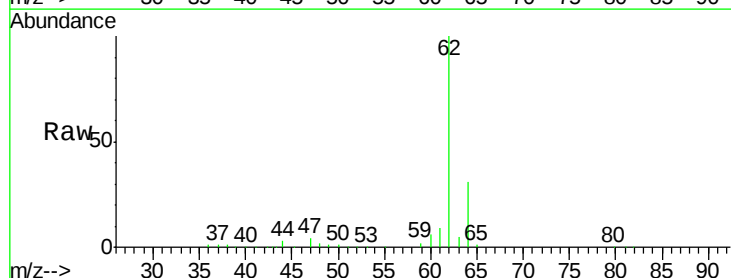
Acq: 09 Apr 2019 11:52

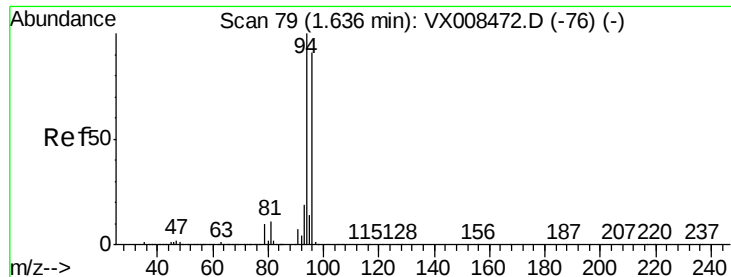
Tgt Ion: 62 Resp: 61087

Ion Ratio Lower Upper

62 100

64 31.4 25.9 38.9





#5

Bromomethane

Concen: 18.331 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX008764.D

Acq: 09 Apr 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0409WBSD01

Tot Ion: 94 Resp: 31919

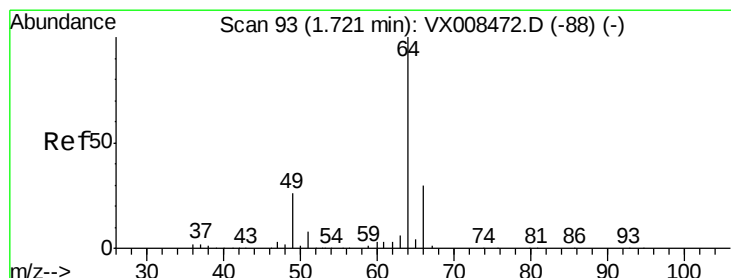
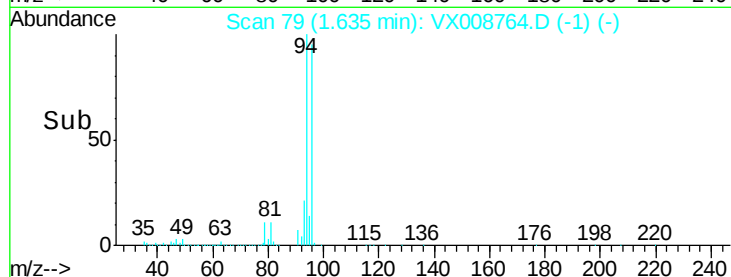
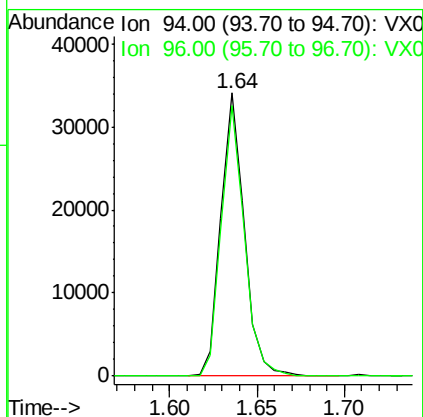
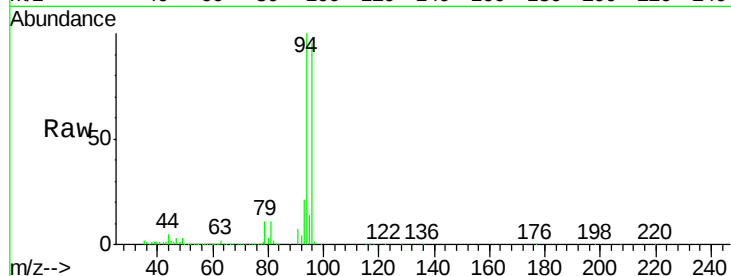
Ion Ratio Lower Upper

94 100

96 95.5 75.6 113.4

Manual Integrations
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#6

Chloroethane

Concen: 16.884 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX008764.D

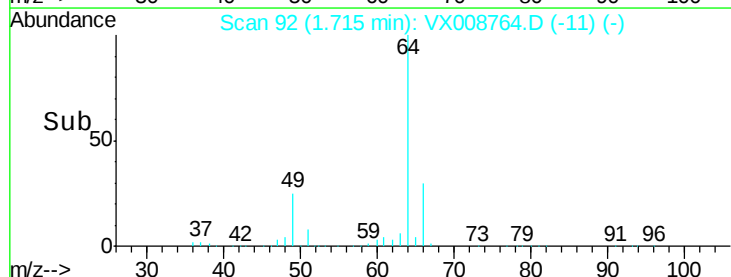
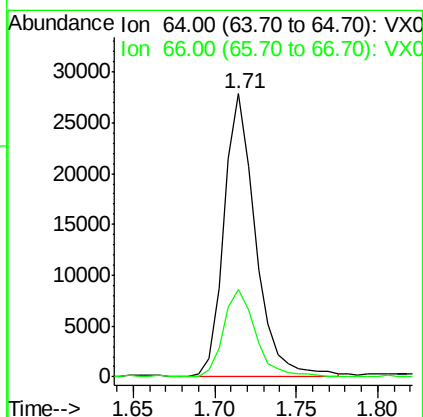
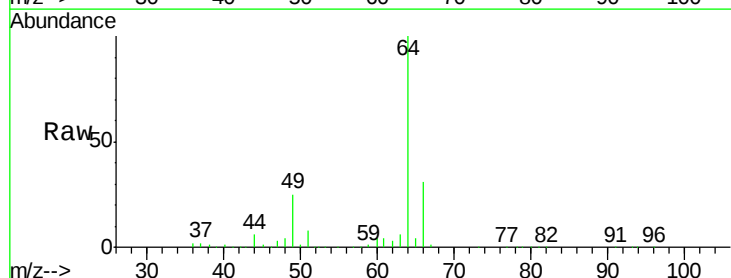
Acq: 09 Apr 2019 11:52

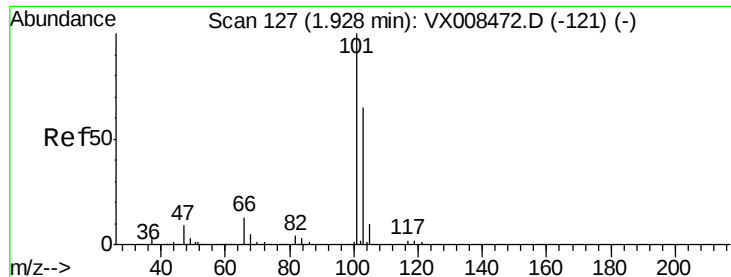
Tgt Ion: 64 Resp: 37137

Ion Ratio Lower Upper

64 100

66 30.7 23.9 35.9





#7

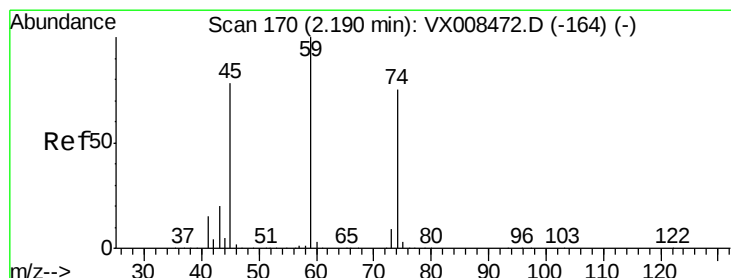
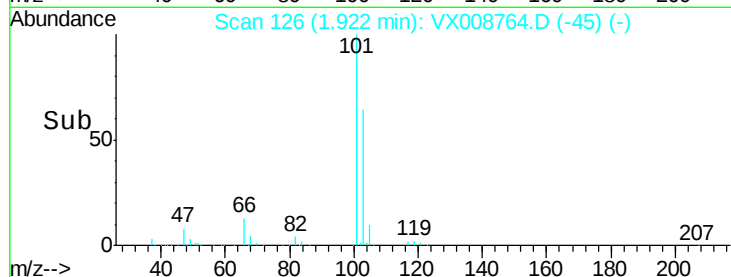
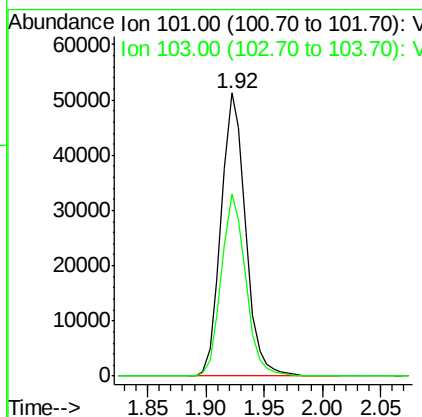
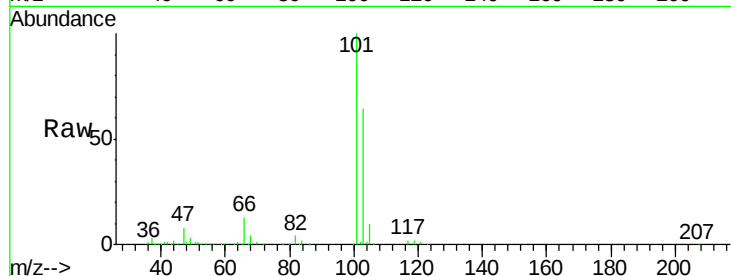
Trichlorofluoromethane
 Concen: 20.048 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.01 min
 Lab File: VX008764.D
 Acq: 09 Apr 2019 11:52

Instrument :
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 ClientSampleId :
 VX0409WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		74780		
103	64.4	50.4	75.6		

Manual Integrations
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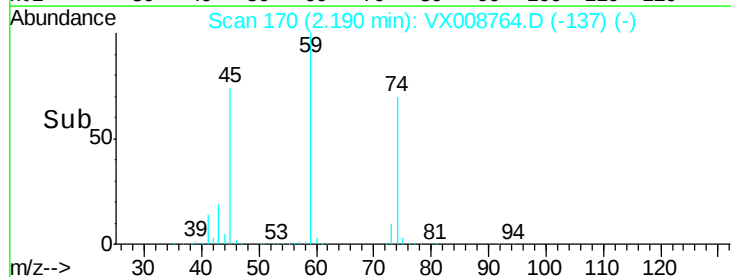
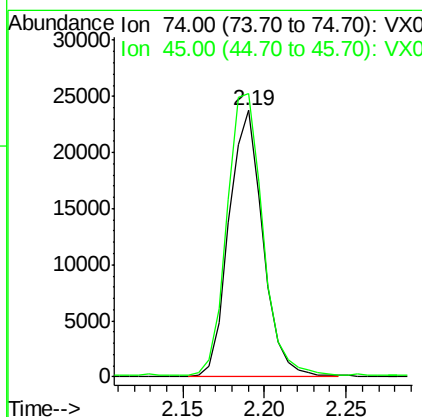
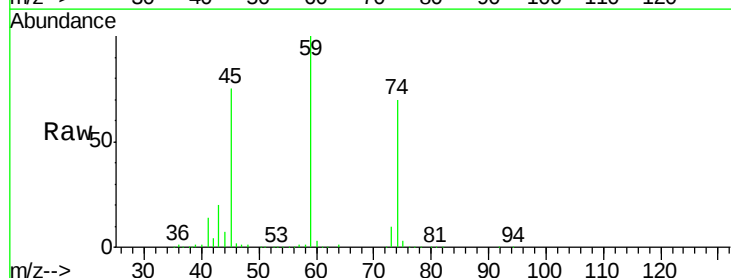
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 4/10/2019 4:21:05 PM

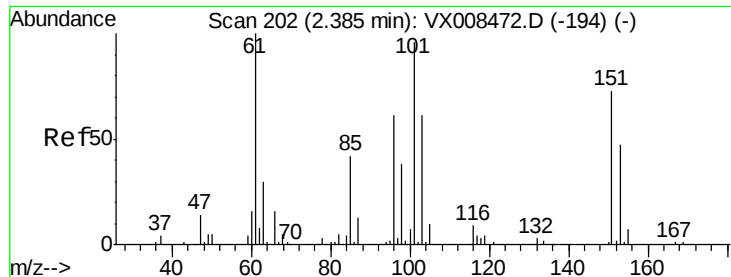


#8

Diethyl Ether
 Concen: 19.578 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX008764.D
 Acq: 09 Apr 2019 11:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		34440		
45	112.0	18.6	167.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.746 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX008764.D

Acq: 09 Apr 2019 11:52

Instrument :

MSVOA_X

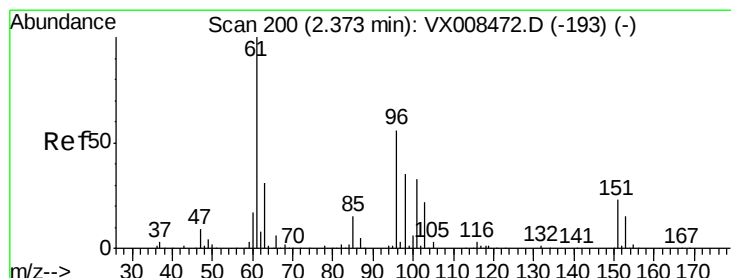
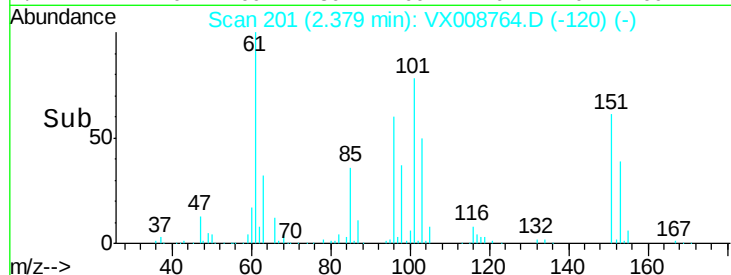
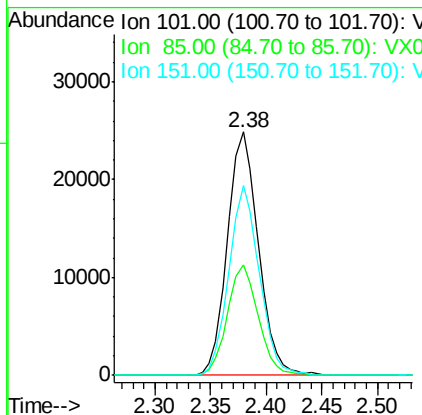
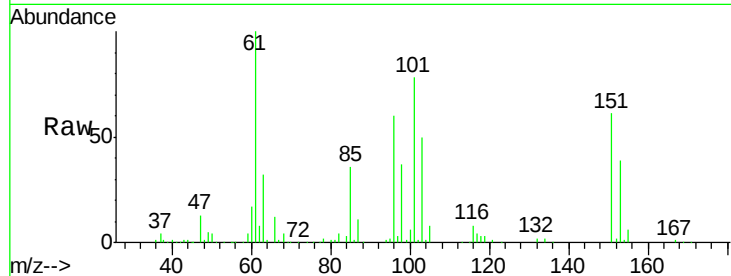
ClientSampleId :

VX0409WBSD01

Tot Ion:	101	Resp:	48191
Ion Ratio	Lower	Upper	
101	100		
85	45.1	0.0	86.8
151	76.5	0.0	169.2

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#10

1,1-Dichloroethene

Concen: 20.757 ug/l

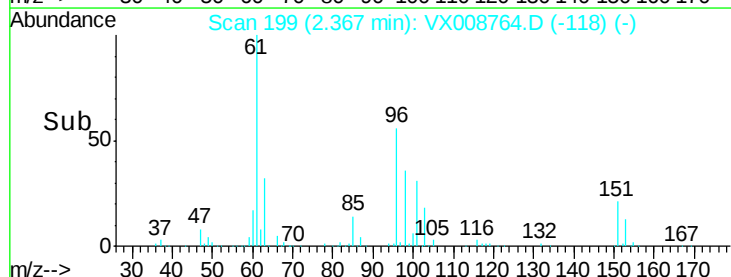
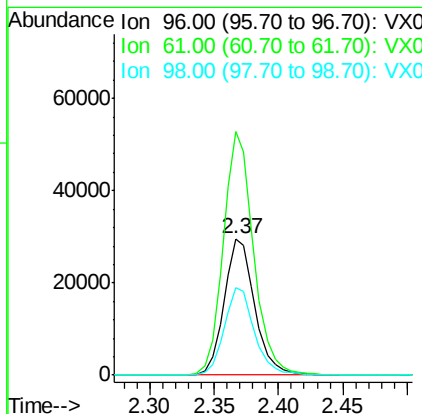
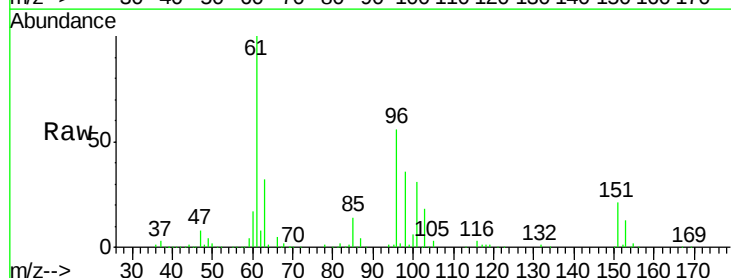
RT: 2.37 min Scan# 199

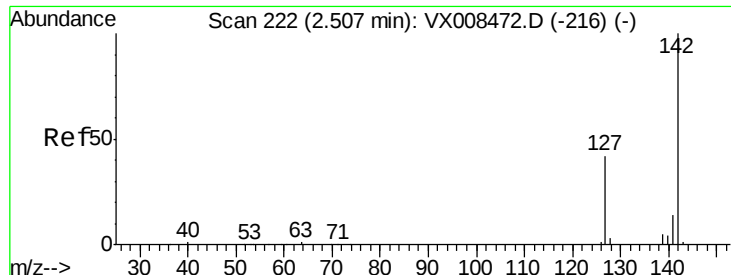
Delta R.T. -0.01 min

Lab File: VX008764.D

Acq: 09 Apr 2019 11:52

Tgt Ion:	96	Resp:	48916
Ion Ratio	Lower	Upper	
96	100		
61	178.5	120.2	180.2
98	64.6	49.0	73.4





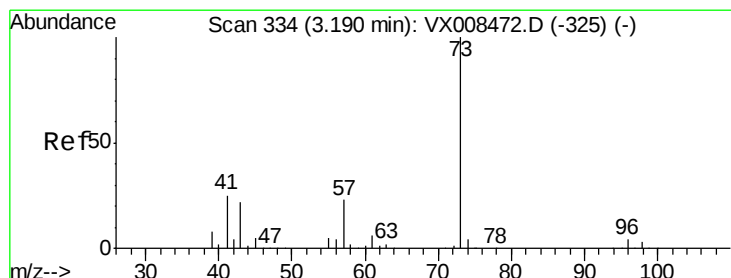
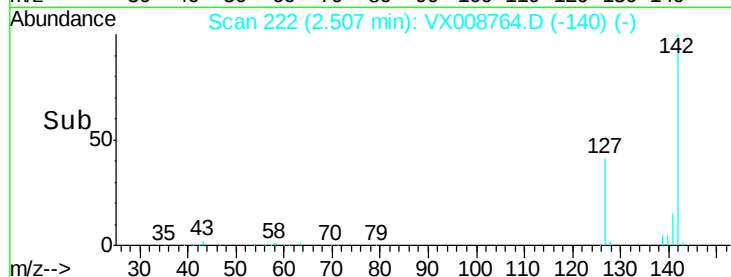
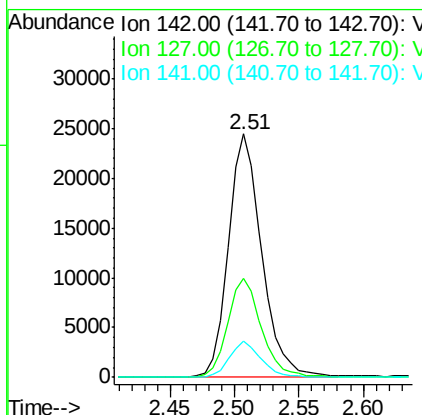
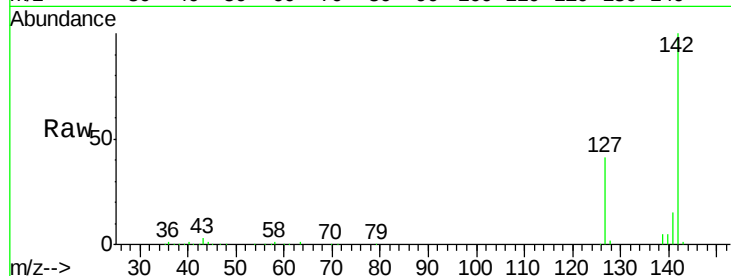
#11
Methyl Iodide
Concen: 18.143 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX008764.D
Acq: 09 Apr 2019 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0409WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.8	22.1	66.5
141	15.1	7.4	22.3

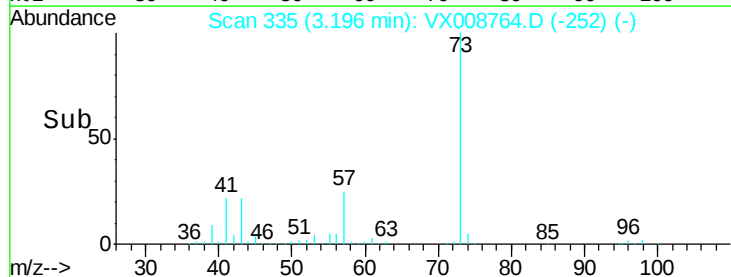
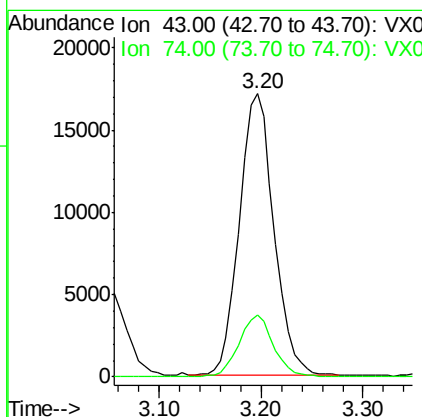
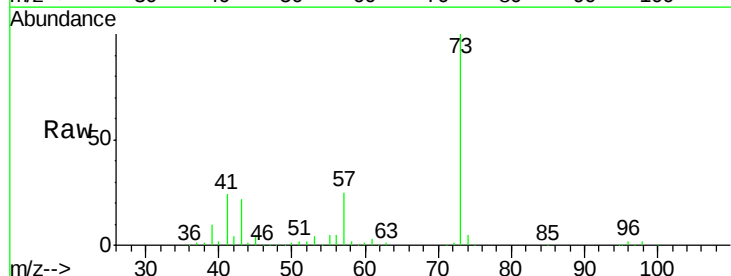
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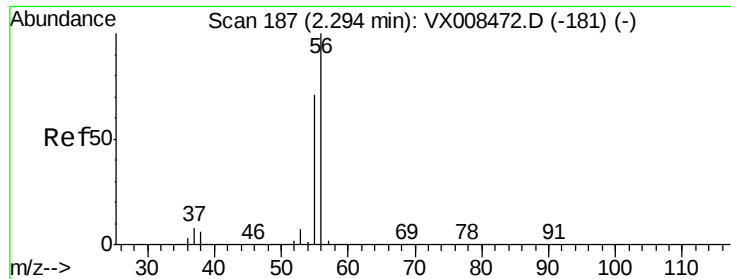
MMDadoda
4/10/2019 4:21:05 PM



#12
Methyl Acetate
Concen: 21.195 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.01 min
Lab File: VX008764.D
Acq: 09 Apr 2019 11:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.8	19.4	29.0





#13

Acrolein

Concen: 118.367 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008764.D

Acq: 09 Apr 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0409WBSD01

Tot Ion: 56 Resp: 64859

Ion Ratio Lower Upper

56 100

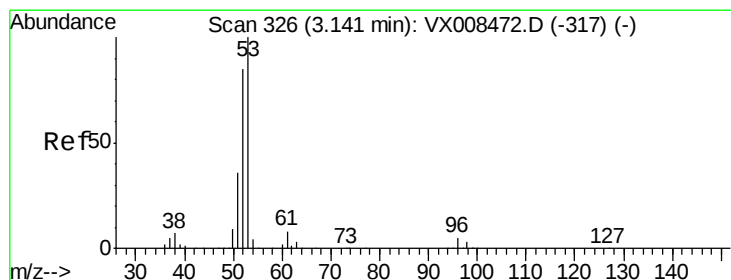
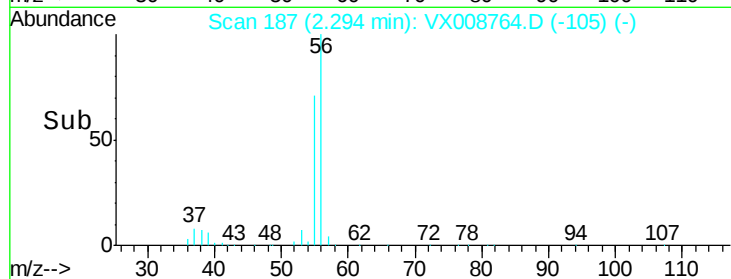
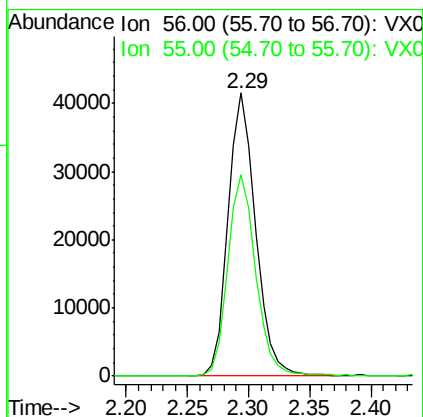
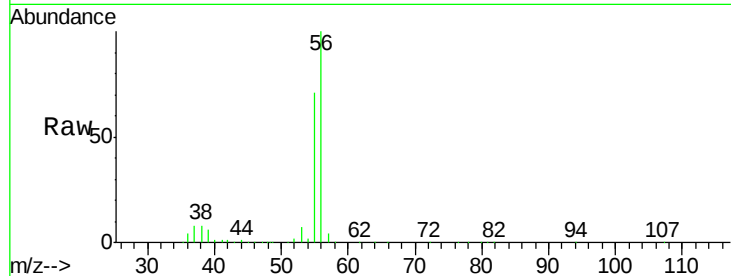
55 71.1 58.6 87.8

Manual Integrations

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#14

Acrylonitrile

Concen: 110.705 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX008764.D

Acq: 09 Apr 2019 11:52

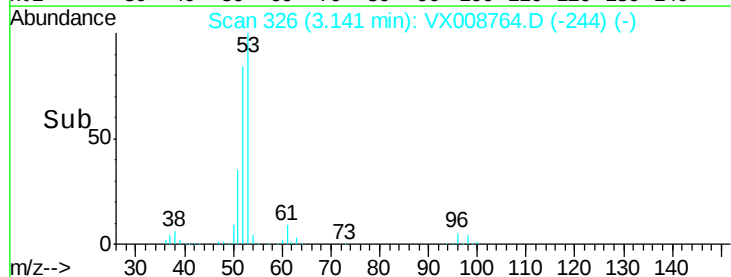
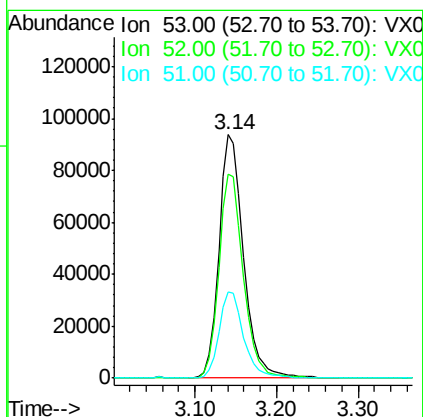
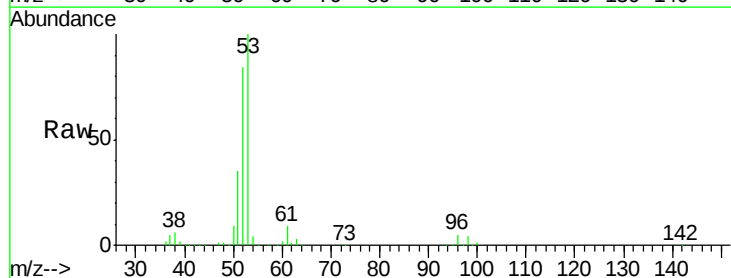
Tgt Ion: 53 Resp: 195492

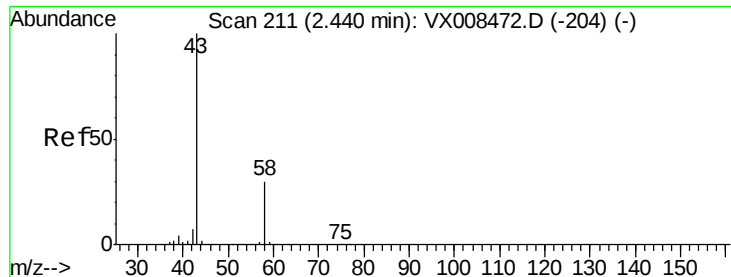
Ion Ratio Lower Upper

53 100

52 84.0 41.3 124.1

51 35.9 17.5 52.6





#15

Acetone

Concen: 105.202 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX008764.D

Acq: 09 Apr 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0409WBSD01

Tot Ion: 58 Resp: 57288

Ion Ratio Lower Upper

58 100

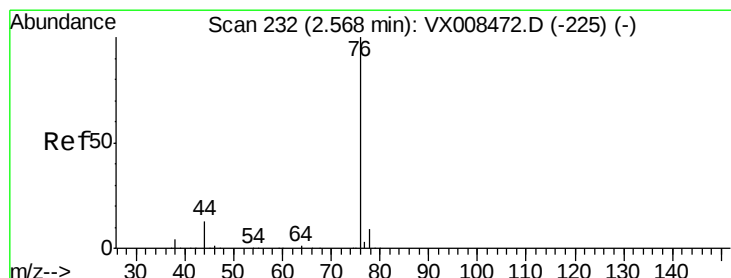
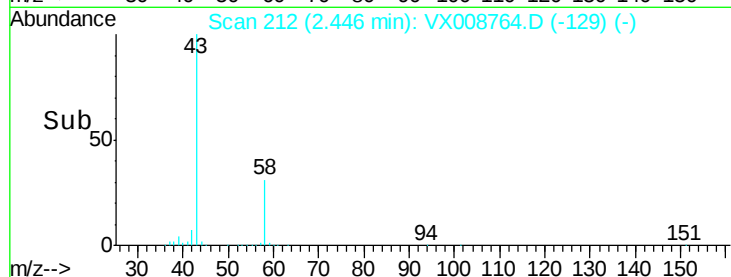
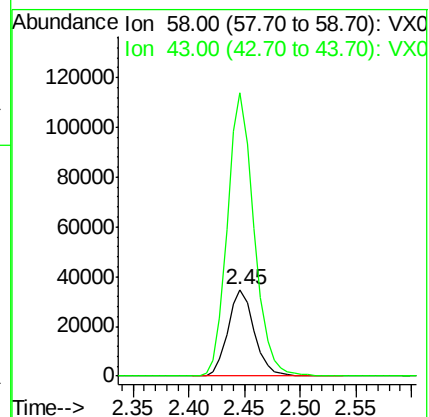
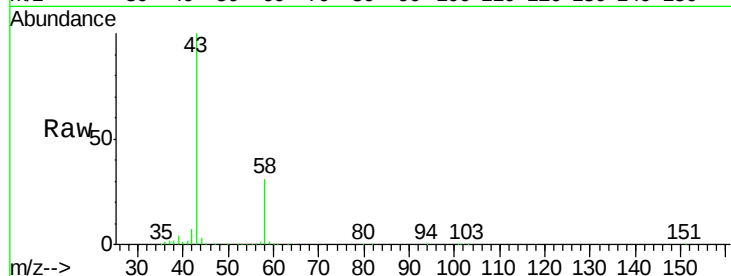
43 325.4 249.8 374.6

Manual Integrations

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#16

Carbon Disulfide

Concen: 18.261 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX008764.D

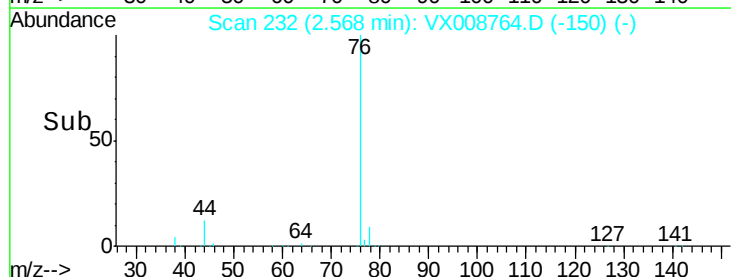
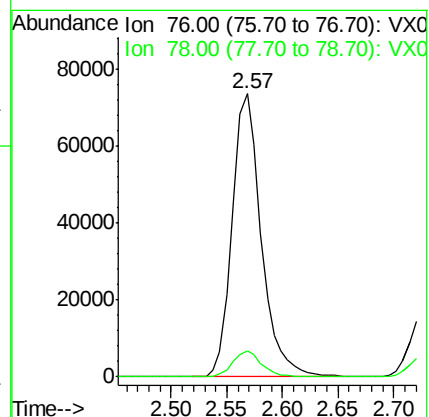
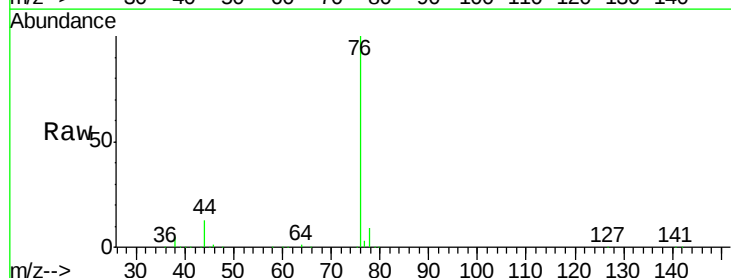
Acq: 09 Apr 2019 11:52

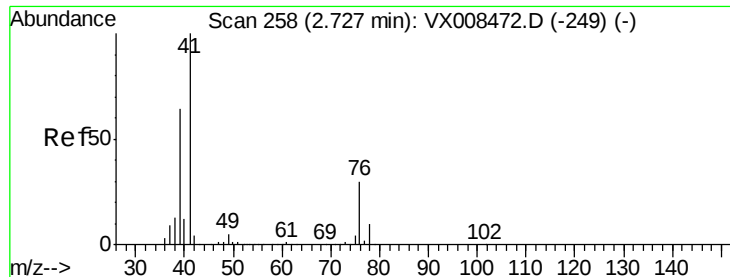
Tgt Ion: 76 Resp: 133868

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3





#17

Allvl chloride

Concen: 21.347 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX008764.D

Acq: 09 Apr 2019 11:52

Instrument :

MSVOA_X

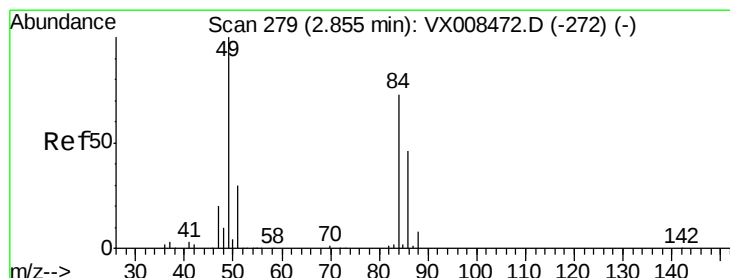
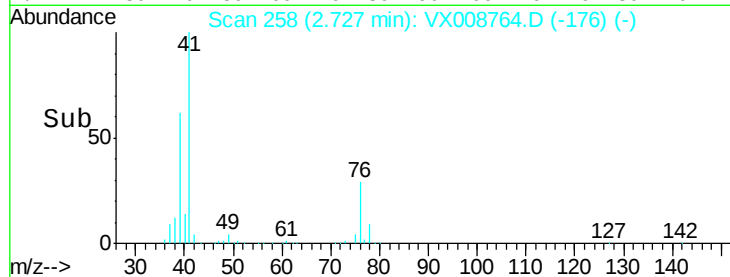
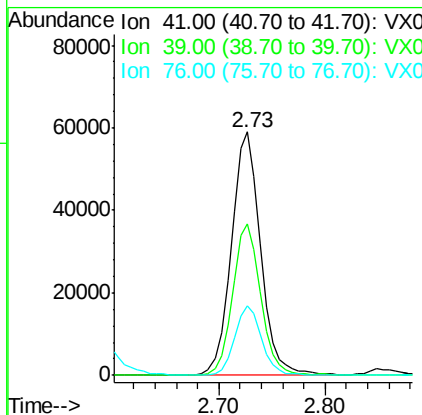
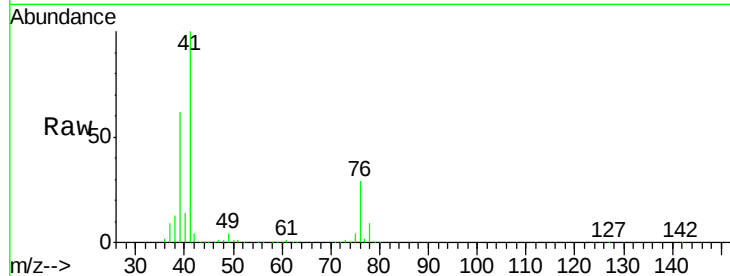
ClientSampleId :

VX0409WBSD01

Tot Ion:	41	Resp:	113060
Ion	Ratio	Lower	Upper
41	100		
39	62.3	35.8	107.4
76	28.7	18.3	54.9

Manual Integrations
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#18

Methylene Chloride

Concen: 19.987 ug/l

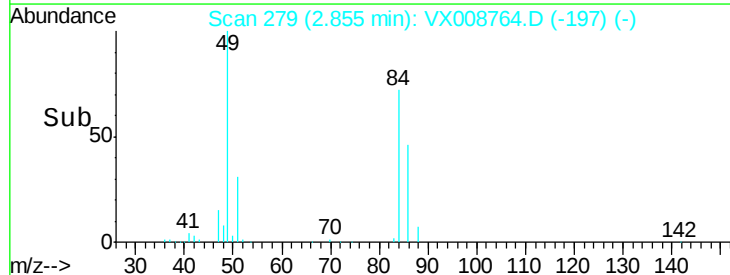
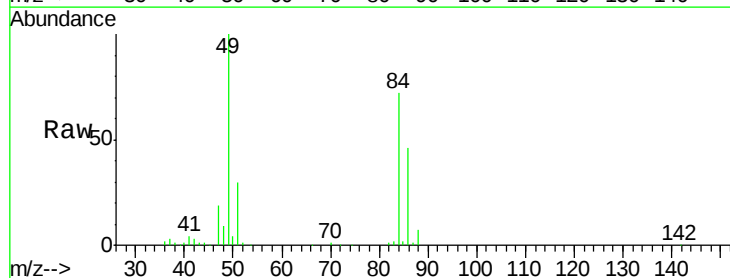
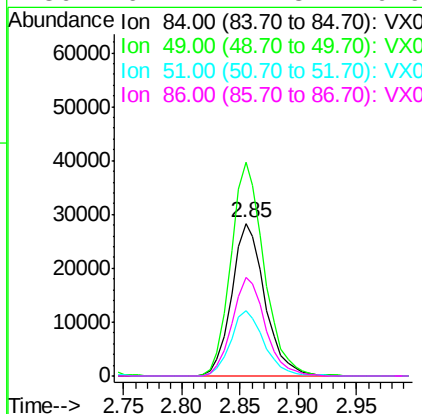
RT: 2.85 min Scan# 279

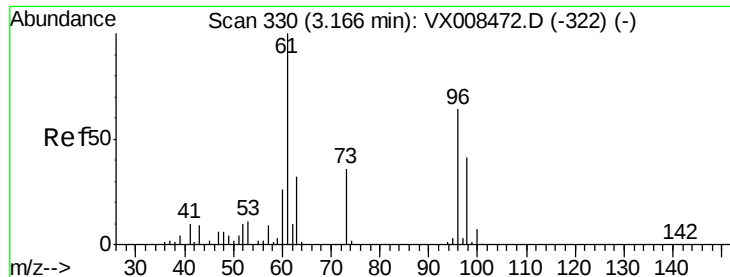
Delta R.T. -0.00 min

Lab File: VX008764.D

Acq: 09 Apr 2019 11:52

Tgt Ion:	84	Resp:	56305
Ion	Ratio	Lower	Upper
84	100		
49	139.8	96.1	144.1
51	42.3	29.1	43.7
86	64.2	47.3	70.9





#19

trans-1,2-Dichloroethene

Concen: 20.436 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX008764.D

Acq: 09 Apr 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0409WBSD01

Tot Ion: 96 Resp: 51452

Ion Ratio Lower Upper

96 100

61 158.6 109.9 164.9

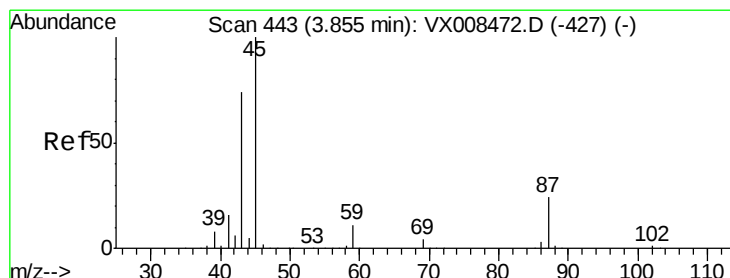
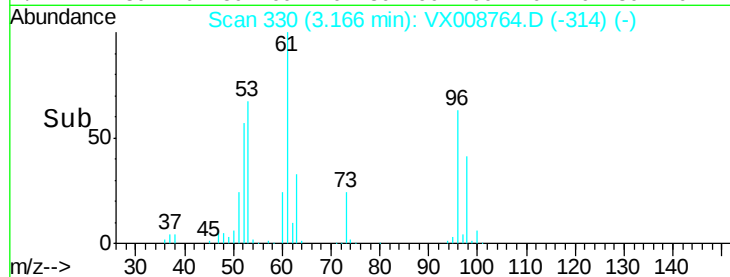
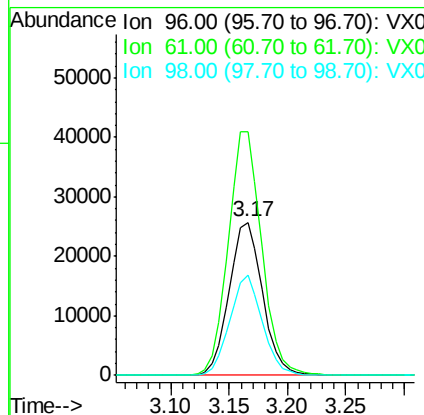
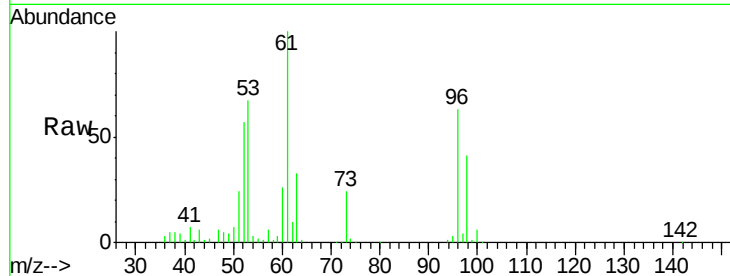
98 65.5 50.4 75.6

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#20

Diisopropyl ether

Concen: 21.803 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX008764.D

Acq: 09 Apr 2019 11:52

Tgt Ion: 45 Resp: 224755

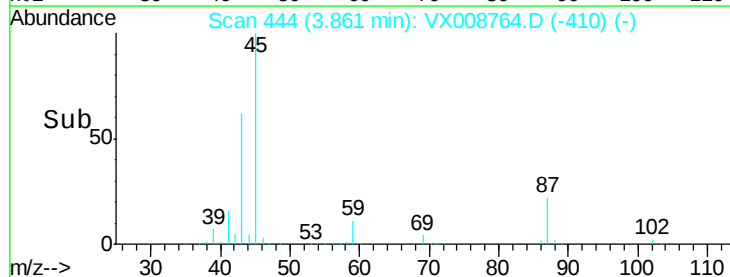
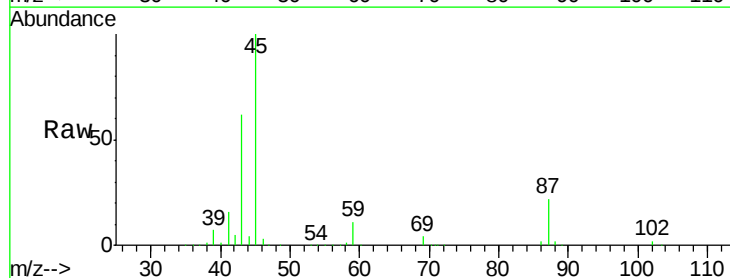
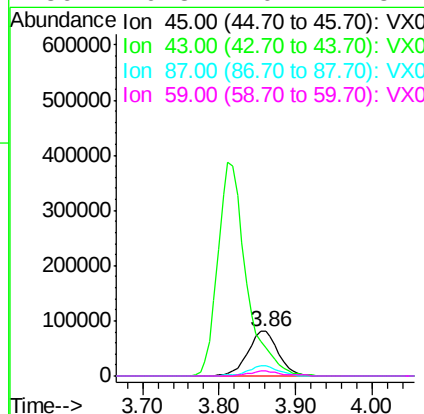
Ion Ratio Lower Upper

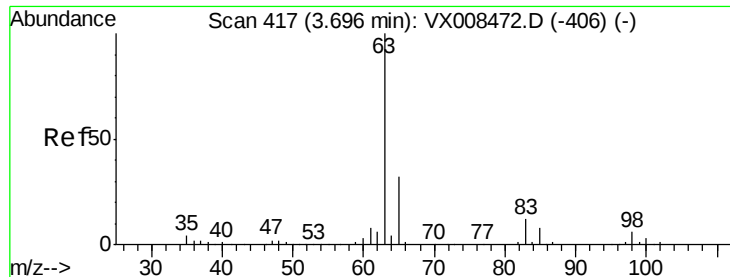
45 100

43 61.8 50.6 76.0

87 22.5 24.5 36.7#

59 10.8 10.2 15.2





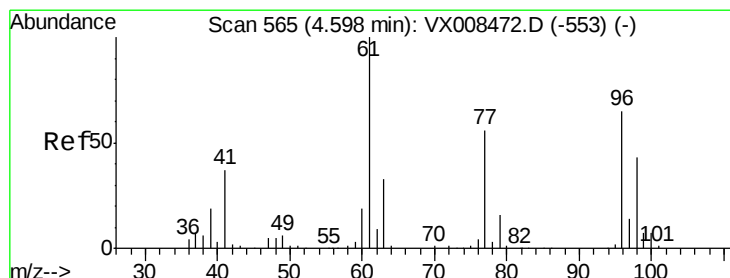
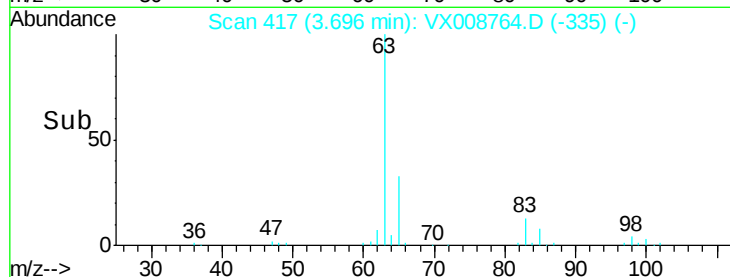
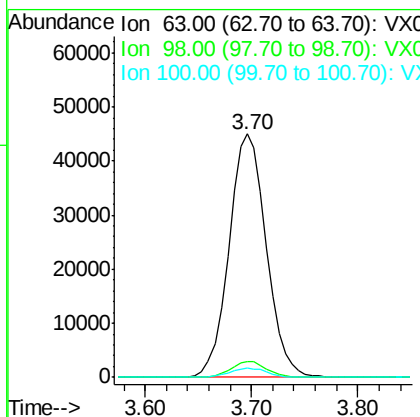
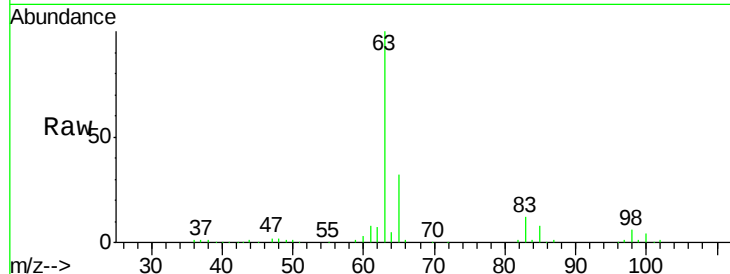
#21
 1,1-Dichloroethane
 Concen: 21.250 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. -0.00 min
 Lab File: VX008764.D
 Acq: 09 Apr 2019 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0409WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	109958		
98	6.3		3.8	11.4
100	3.7		2.4	7.1

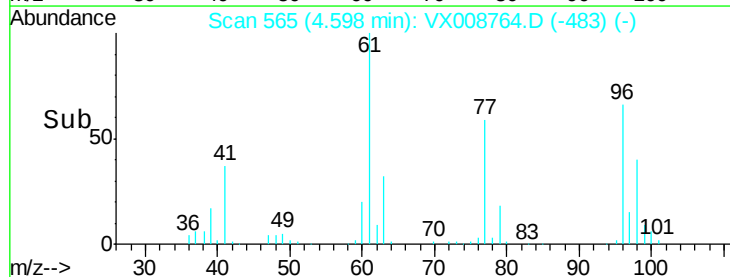
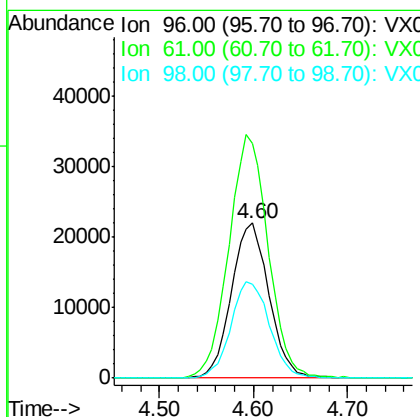
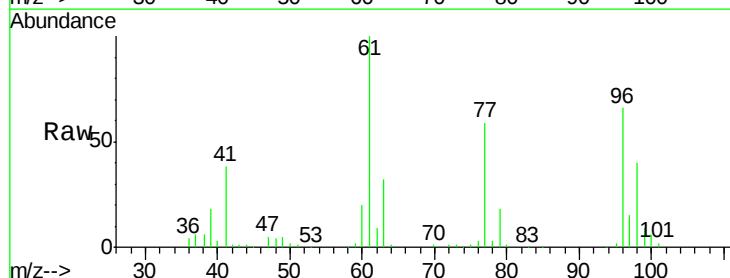
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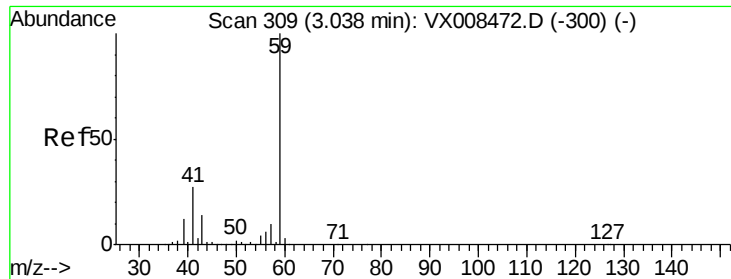
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#22
 cis-1,2-Dichloroethene
 Concen: 20.940 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX008764.D
 Acq: 09 Apr 2019 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	60925		
61	163.8		103.5	155.3#
98	64.1		52.1	78.1





#23

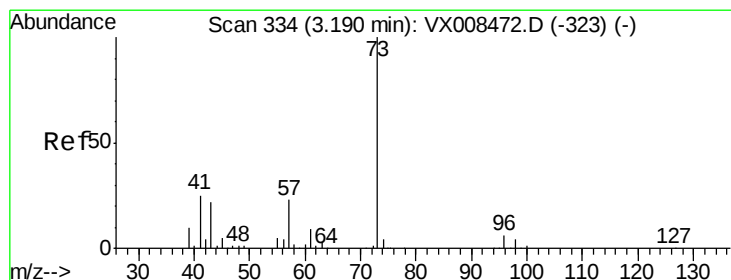
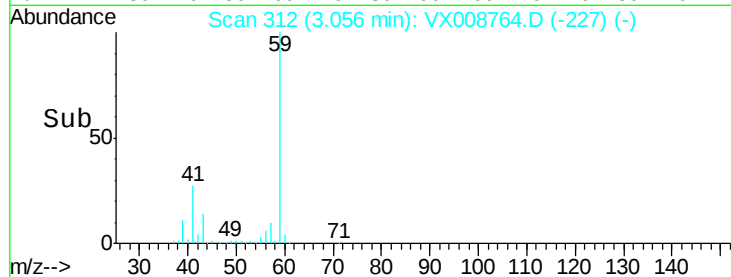
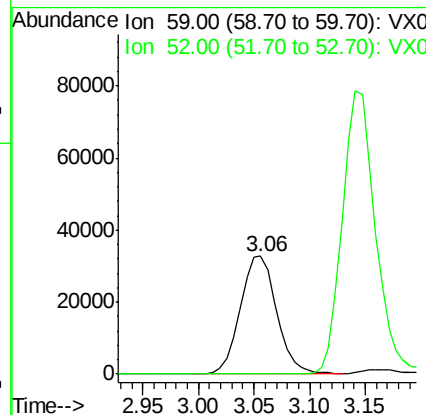
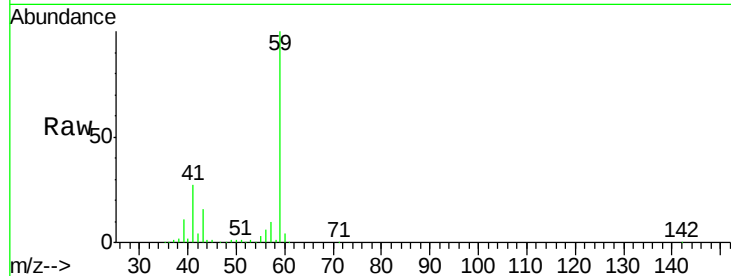
tert-Butyl Alcohol
 Concen: 104.496 ug/l
 RT: 3.06 min Scan# 312
 Delta R.T. 0.02 min
 Lab File: VX008764.D
 Acq: 09 Apr 2019 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0409WBSD01

Tot Ion	59	52	Ratio	Lower	Upper
59	100				
52	0.4		0.2	0.2	0.2

Manual Integrations
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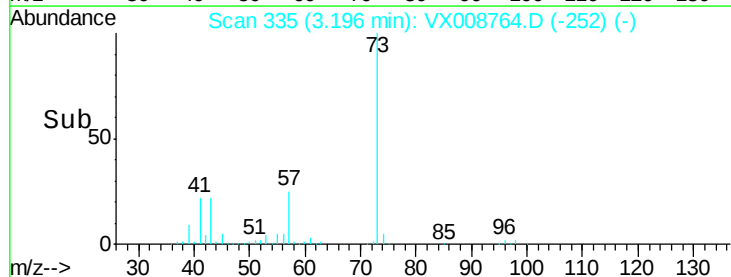
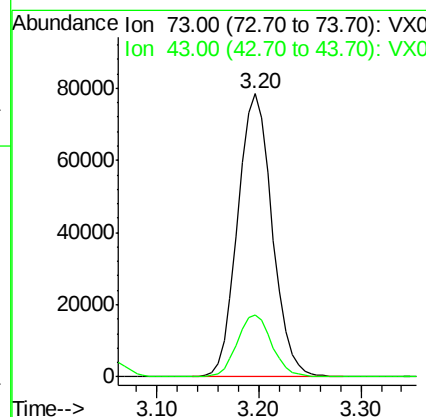
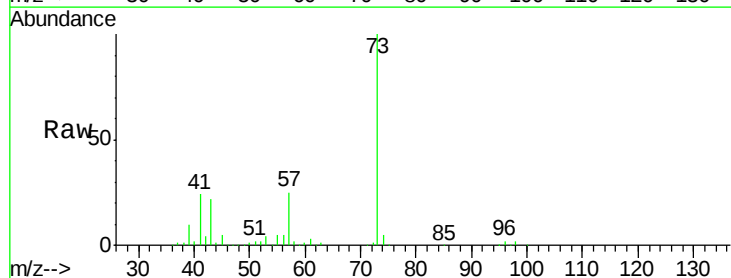
MMDadoda
 4/10/2019 4:21:05 PM

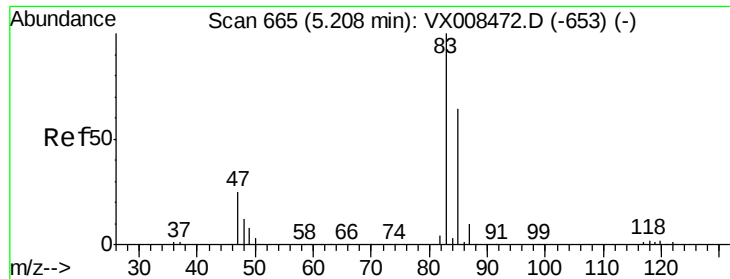


#24

Methyl tert-Butyl Ether
 Concen: 21.250 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.01 min
 Lab File: VX008764.D
 Acq: 09 Apr 2019 11:52

Tgt Ion	73	43	Ratio	Lower	Upper
73	100				
43	22.0		17.1	25.7	





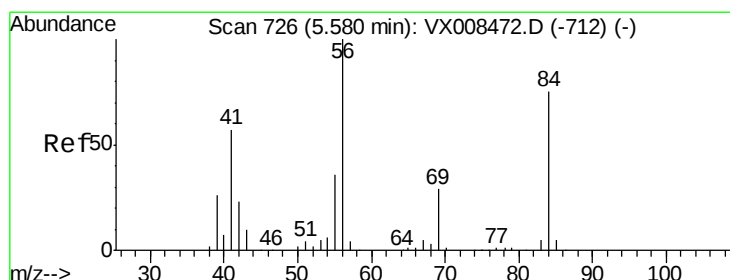
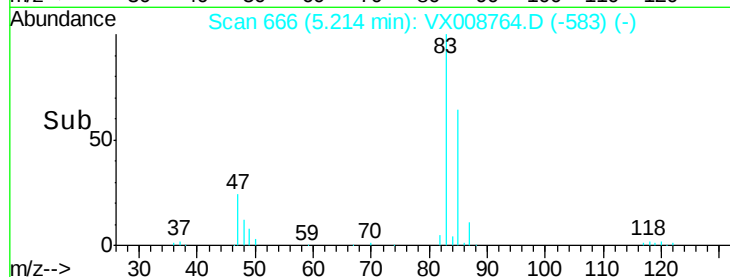
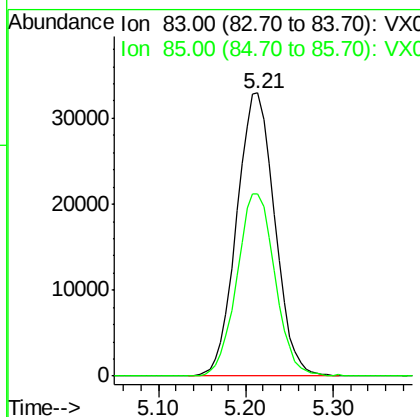
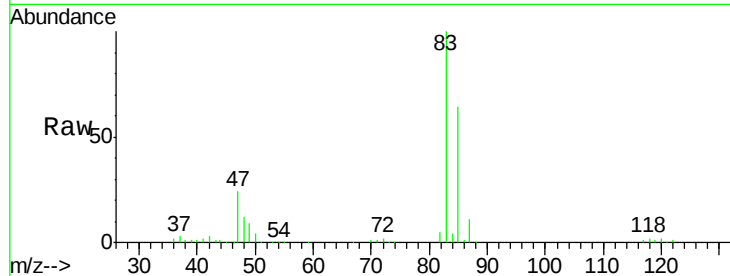
#25
Chloroform
Concen: 21.261 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX008764.D
Acq: 09 Apr 2019 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0409WBSD01

Tot Ion	83	Resp	99652
Ion Ratio	100	Lower	Upper
85	64.2	53.8	80.6

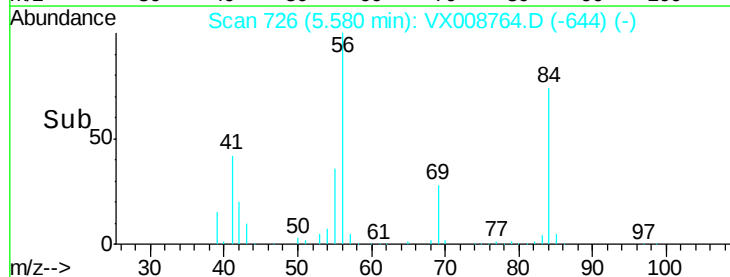
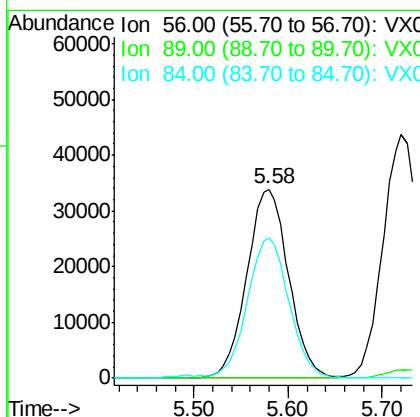
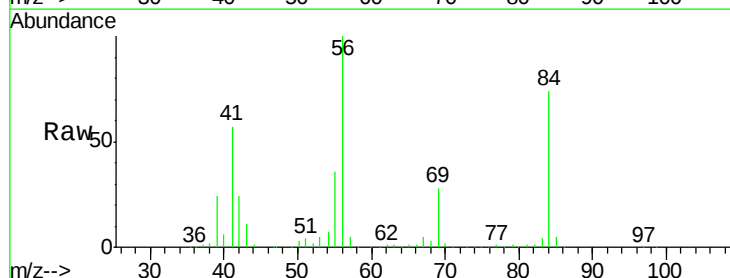
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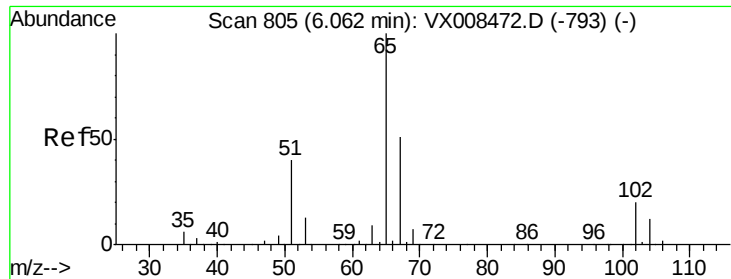
MMDadoda
4/10/2019 4:21:05 PM



#26
Cyclohexane
Concen: 20.850 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX008764.D
Acq: 09 Apr 2019 11:52

Tgt Ion	56	Resp	104815
Ion Ratio	100	Lower	Upper
89	0.0	0.0	0.0
84	73.3	73.9	110.9#





#27

1,2-Dichloroethane-d4

Concen: 30.251 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008764.D

Acq: 09 Apr 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0409WBSD01

Tot Ion: 65 Resp: 94174

Ion Ratio Lower Upper

65 100

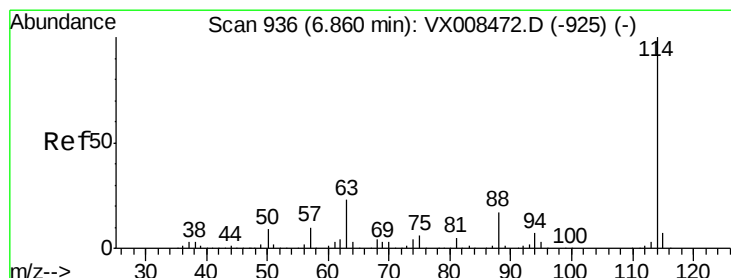
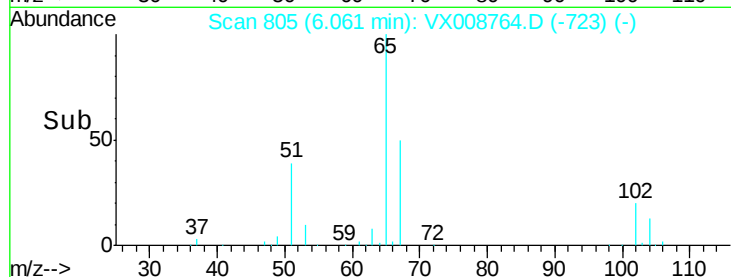
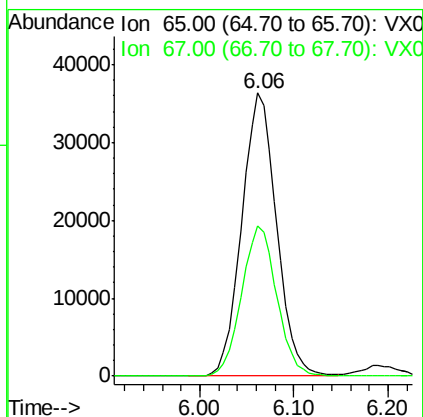
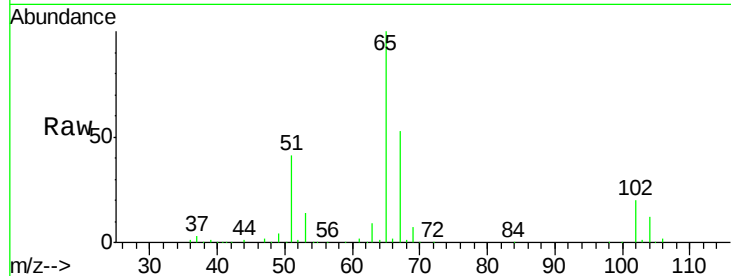
67 53.7 42.9 64.3

Manual Integrations

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4/10/2019 4:21:05 PM



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008764.D

Acq: 09 Apr 2019 11:52

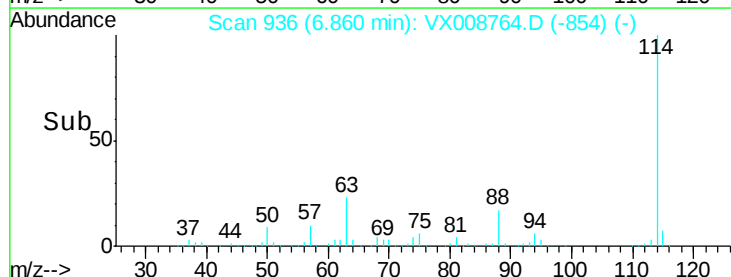
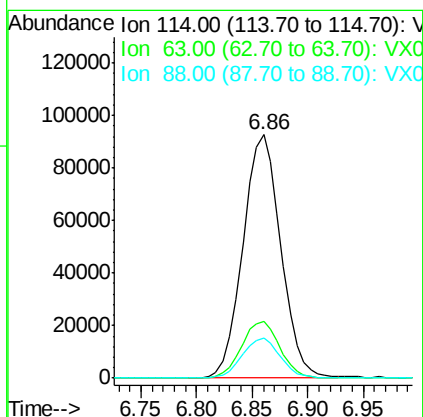
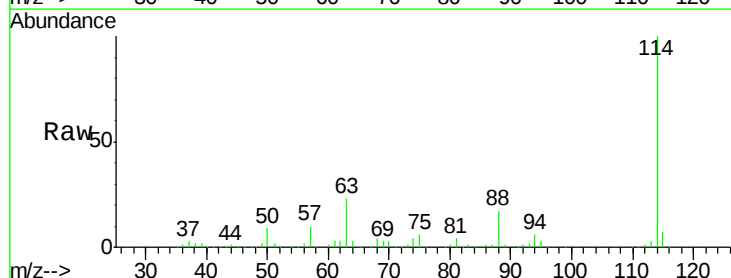
Tgt Ion: 114 Resp: 218989

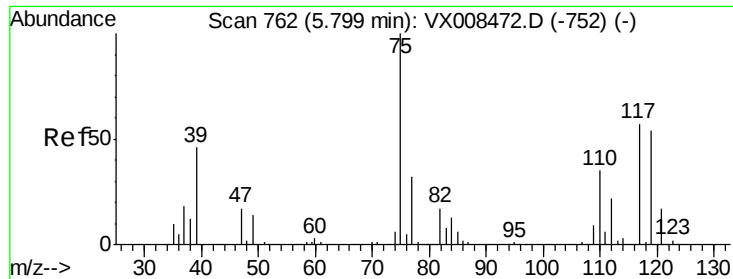
Ion Ratio Lower Upper

114 100

63 23.6 14.2 21.4#

88 16.6 11.9 17.9





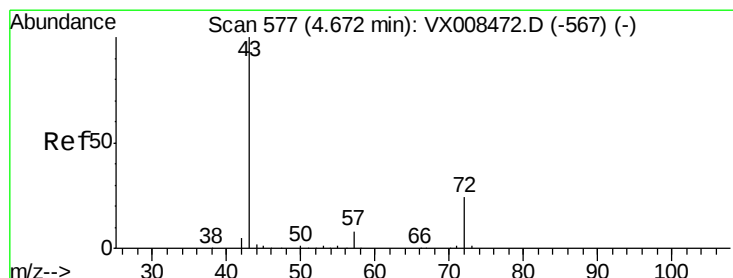
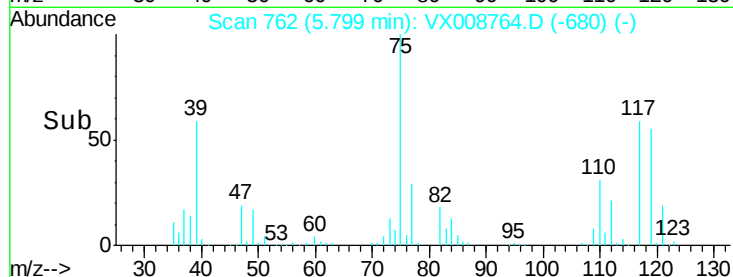
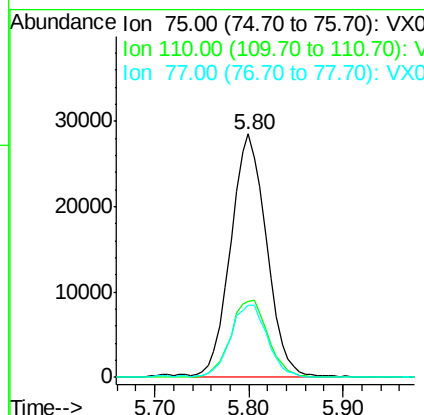
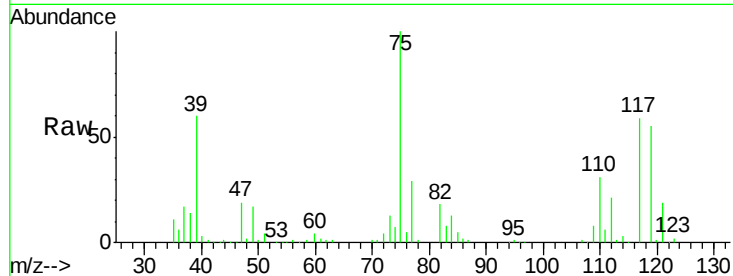
#29
 1,1-Dichloropropene
 Concen: 20.632 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX008764.D
 Acq: 09 Apr 2019 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0409WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
110	33.0	0.0	80.8
77	30.6	0.0	62.4

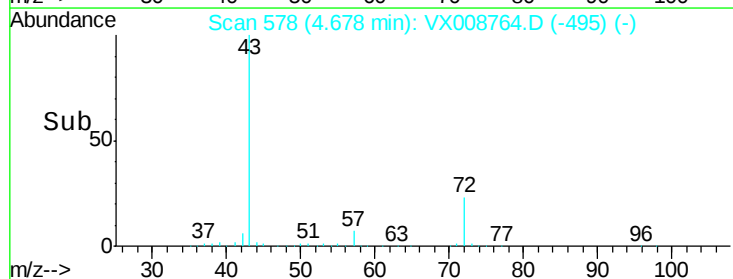
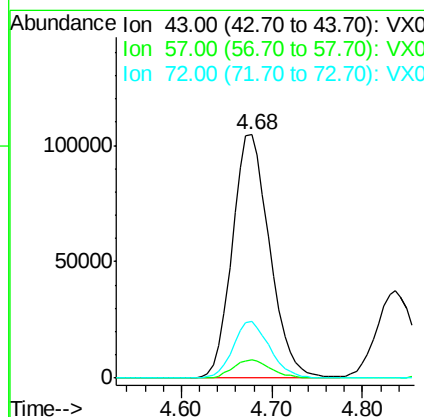
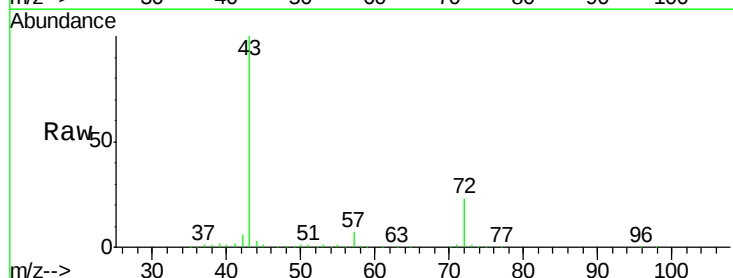
Manual Integrations
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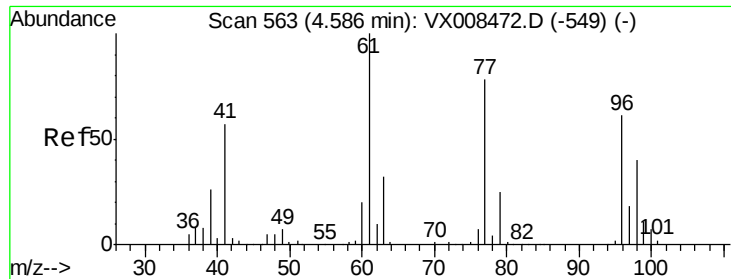
MMDadoda
 4/10/2019 4:21:05 PM



#30
 2-Butanone
 Concen: 110.393 ug/l
 RT: 4.68 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VX008764.D
 Acq: 09 Apr 2019 11:52

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.6	7.0	10.6
72	22.9	21.5	32.3





#31

2,2-Dichloropropane

Concen: 21.926 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008764.D

Acq: 09 Apr 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0409WBSD01

Tot Ion: 77 Resp: 80679

Ion Ratio Lower Upper

77 100

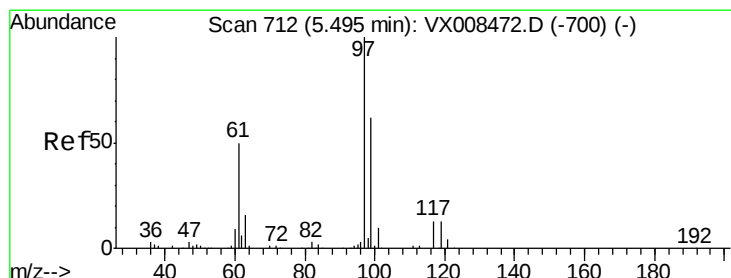
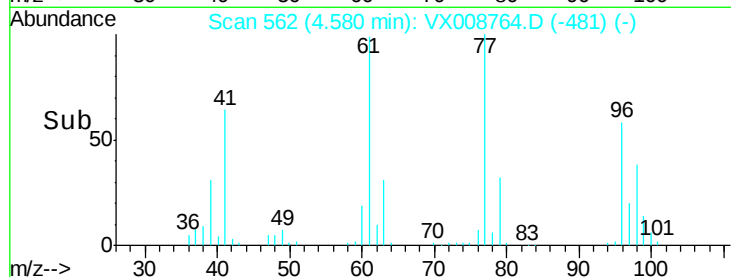
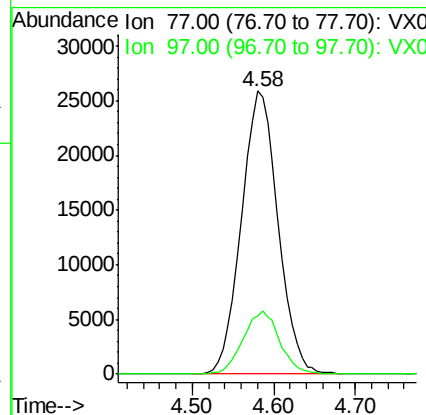
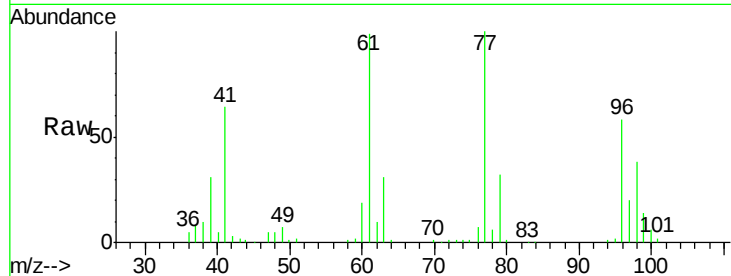
97 22.1 20.6 31.0

Manual Integrations

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4/10/2019 4:21:05 PM



#32

1,1,1-Trichloroethane

Concen: 20.969 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX008764.D

Acq: 09 Apr 2019 11:52

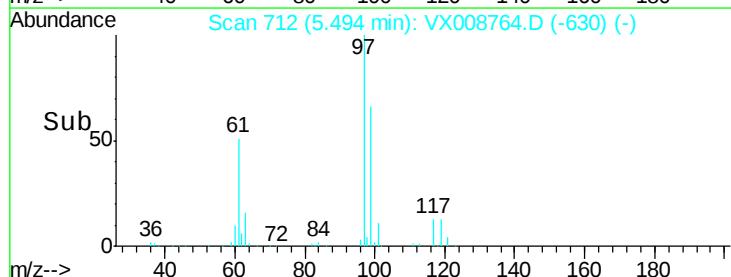
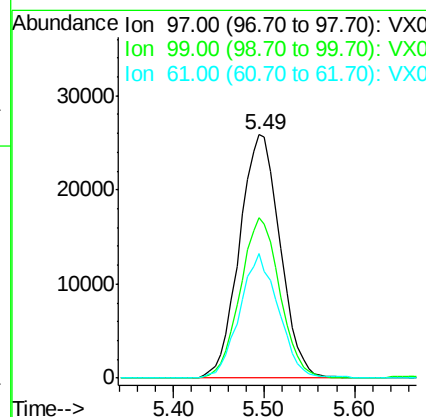
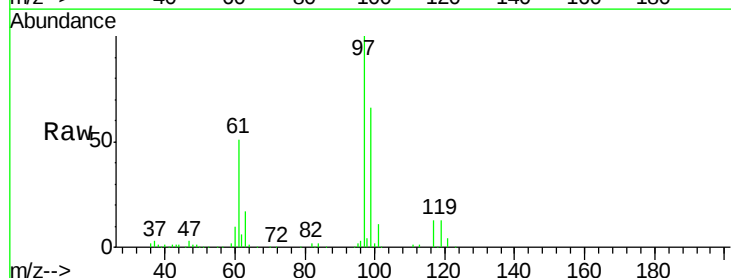
Tgt Ion: 97 Resp: 80225

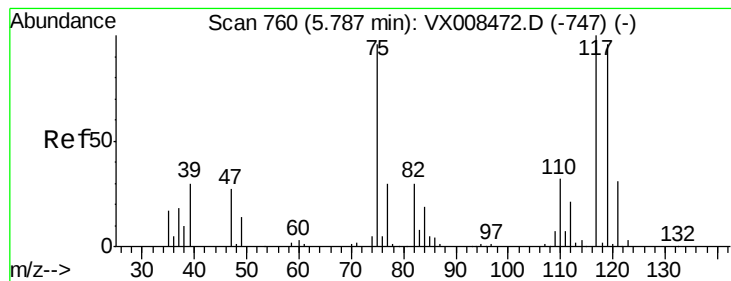
Ion Ratio Lower Upper

97 100

99 64.3 51.7 77.5

61 48.7 32.8 49.2





#33

Carbon Tetrachloride

Concen: 20.551 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX008764.D

Acq: 09 Apr 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0409WBSD01

Tot Ion:117 Resp: 65783

Ion Ratio Lower Upper

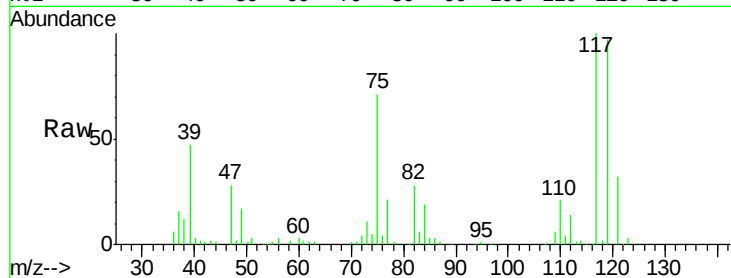
117 100

119 96.9 78.1 117.1

121 32.0 27.0 40.6

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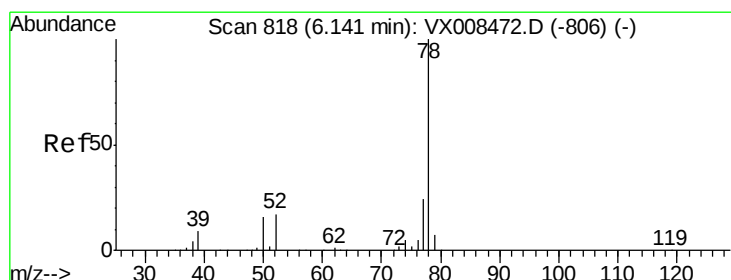
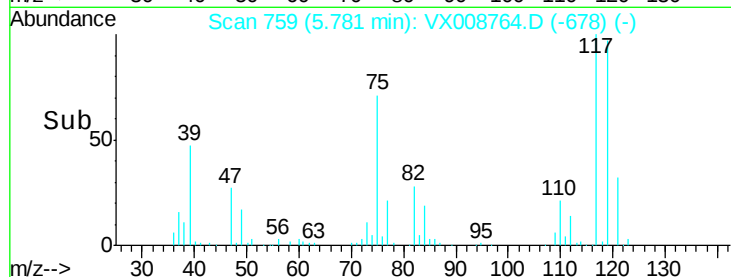
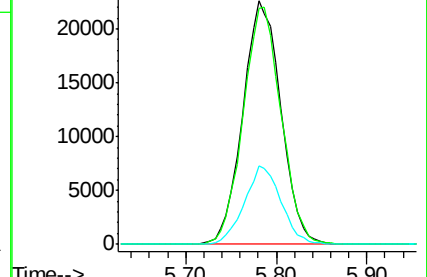
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 20.778 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX008764.D

Acq: 09 Apr 2019 11:52

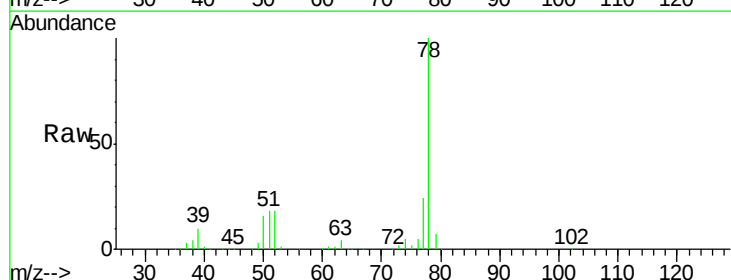
Tgt Ion: 78 Resp: 233997

Ion Ratio Lower Upper

78 100

77 24.4 19.1 28.7

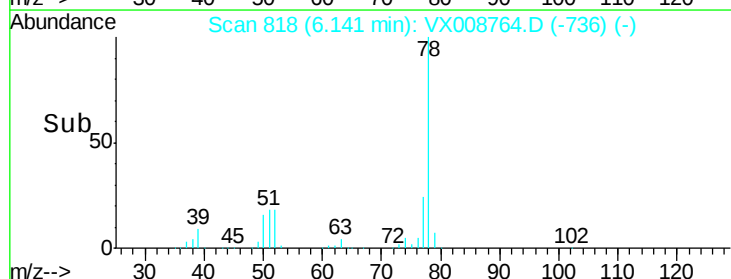
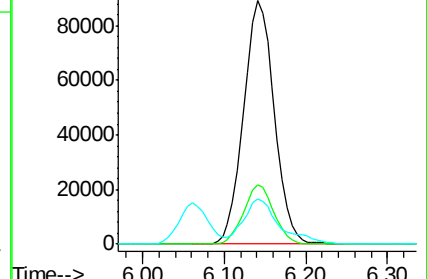
51 18.1 10.8 16.2#

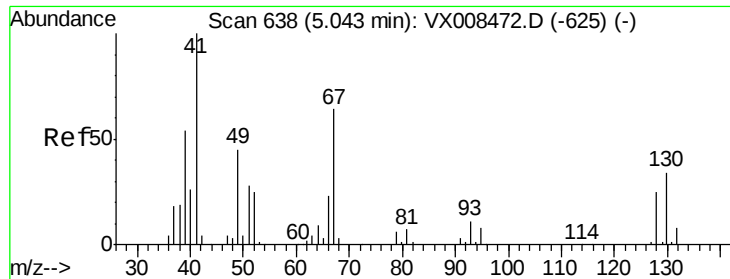


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





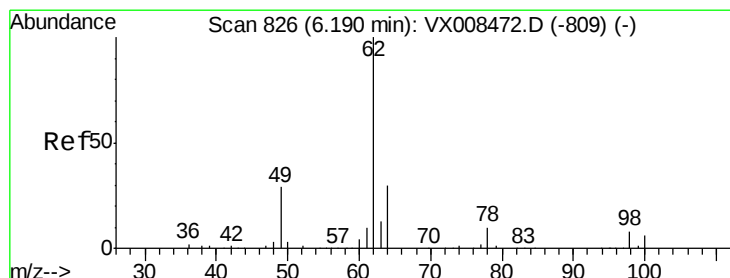
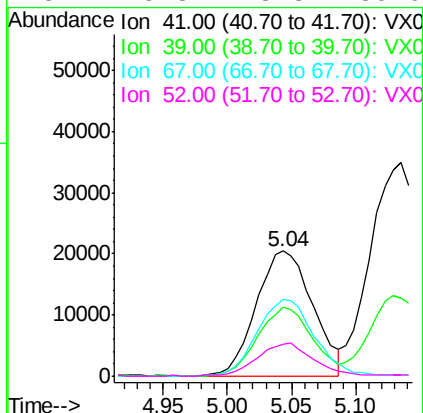
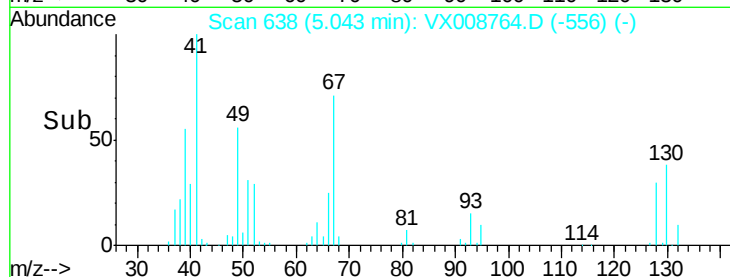
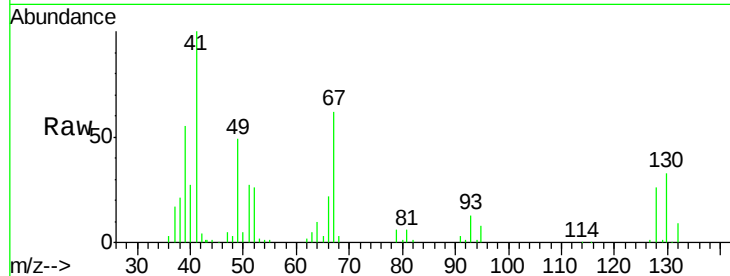
#35
Methacrylonitrile
Concen: 22.486 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX008764.D
Acq: 09 Apr 2019 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0409WBSD01

Tot Ion:	41	Resp:	61949
Ion	Ratio	Lower	Upper
41	100		
39	54.7	27.4	82.0
67	61.9	37.9	113.6
52	25.3	13.3	39.9

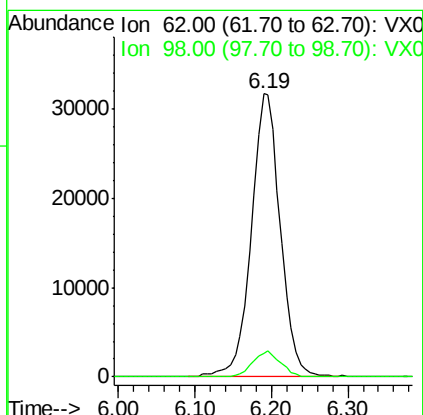
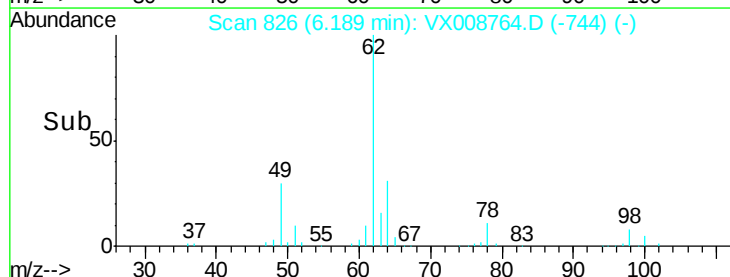
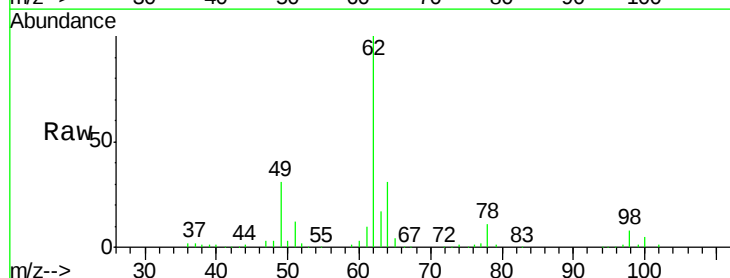
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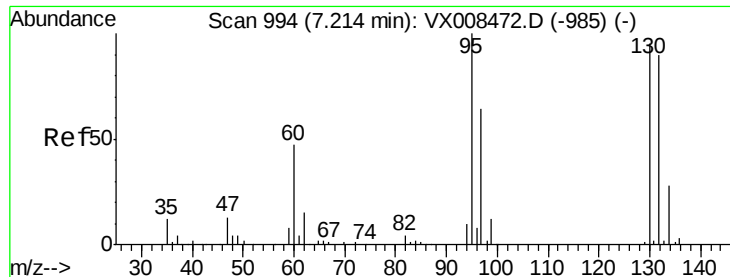
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#36
1,2-Dichloroethane
Concen: 20.894 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX008764.D
Acq: 09 Apr 2019 11:52

Tgt Ion:	62	Resp:	83892
Ion	Ratio	Lower	Upper
62	100		
98	8.6	7.8	11.8





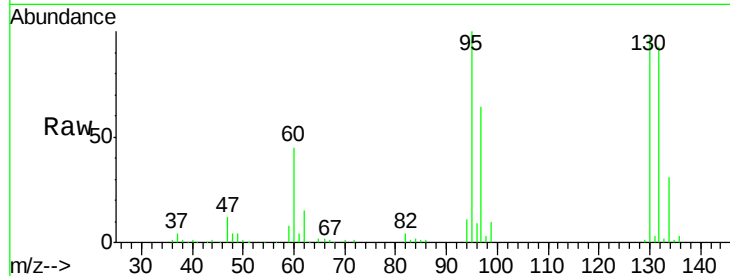
#37
 Trichloroethene
 Concen: 21.141 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX008764.D
 Acq: 09 Apr 2019 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0409WBSD01

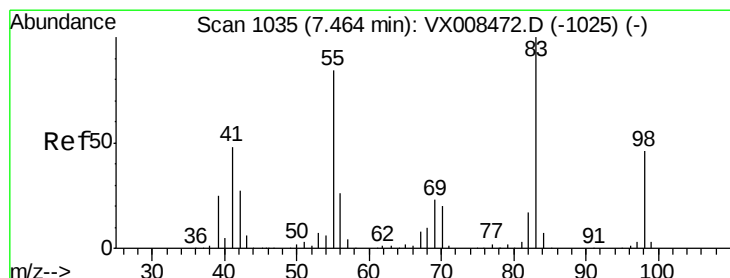
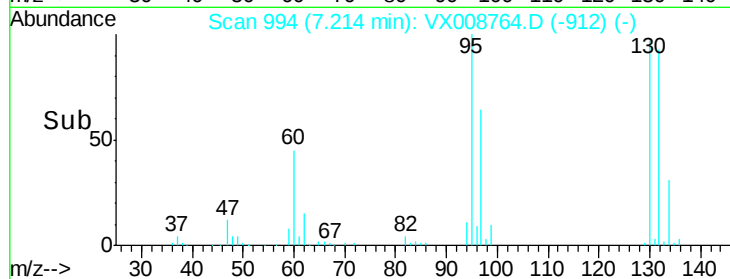
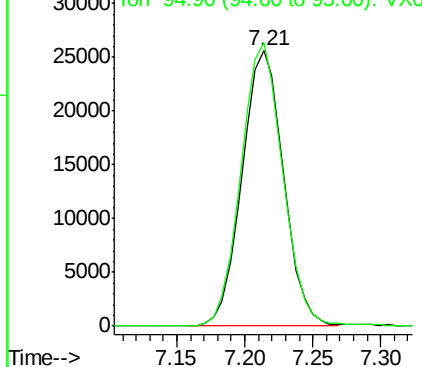
Tot Ion:130 Resp: 54754
 Ion Ratio Lower Upper
 130 100
 95 102.8 71.3 106.9

Manual Integrations
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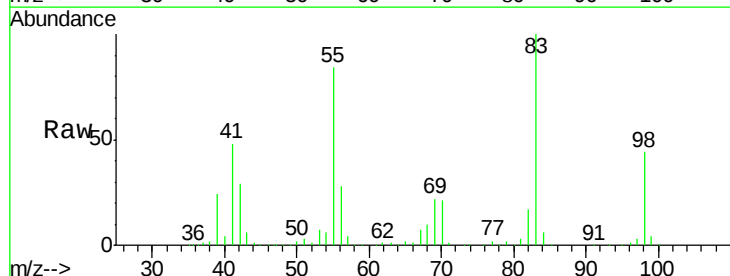


Abundance Ion 129.90 (129.60 to 130.60): V

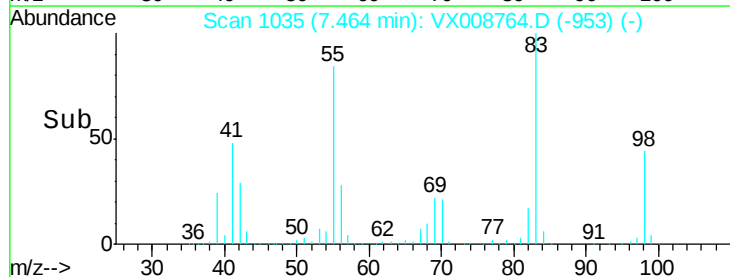
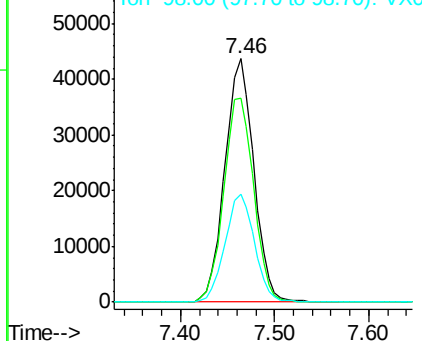


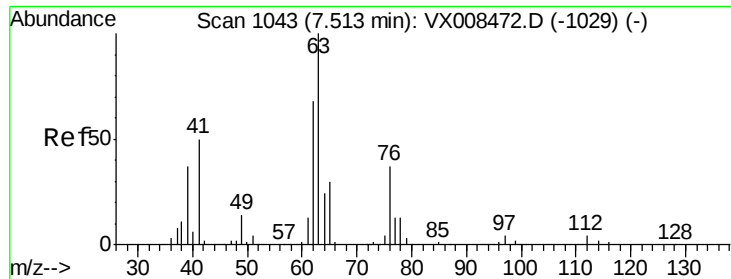
#38
 Methylcyclohexane
 Concen: 20.118 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: VX008764.D
 Acq: 09 Apr 2019 11:52

Tgt Ion: 83 Resp: 93394
 Ion Ratio Lower Upper
 83 100
 55 86.2 36.0 108.0
 98 45.0 23.8 71.4



Abundance Ion 83.00 (82.70 to 83.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0
 Ion 98.00 (97.70 to 98.70): VX0





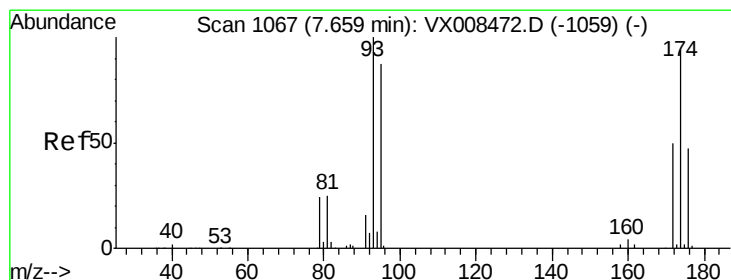
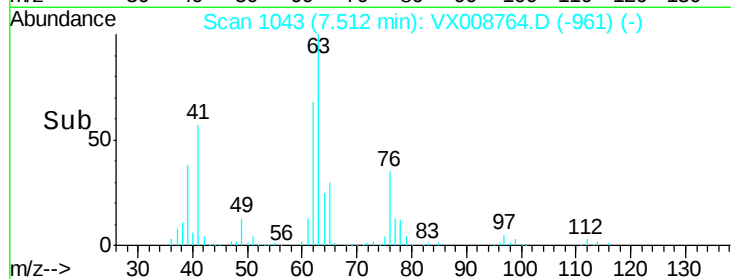
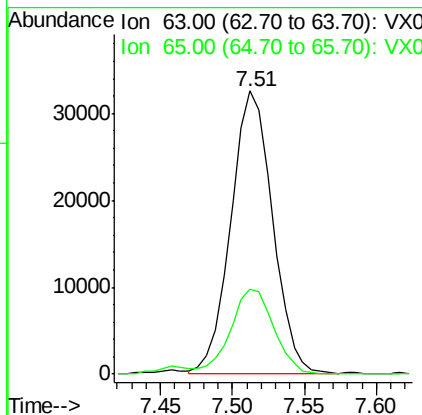
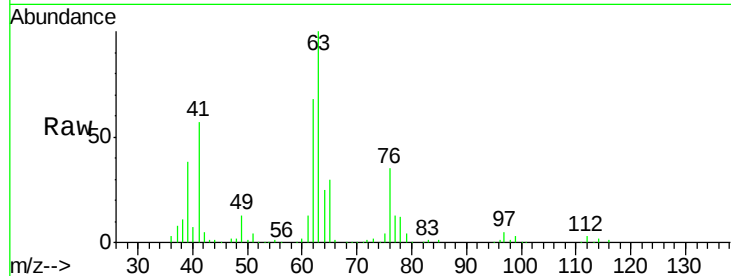
#39
 1,2-Dichloropropane
 Concen: 20.466 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX008764.D
 Acq: 09 Apr 2019 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0409WBSD01

Tot Ion: 63 Resp: 65374
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.6 37.0

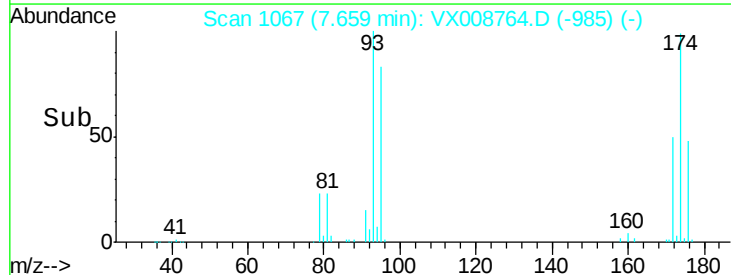
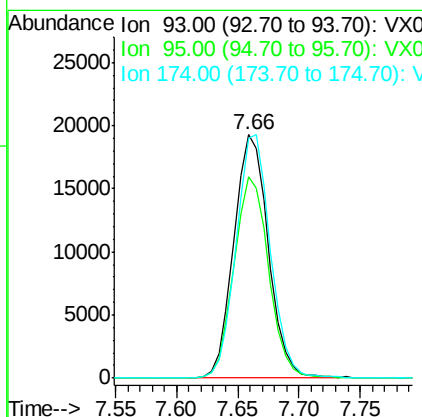
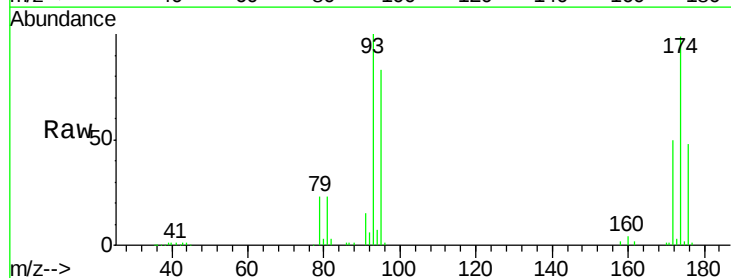
Manual Integrations
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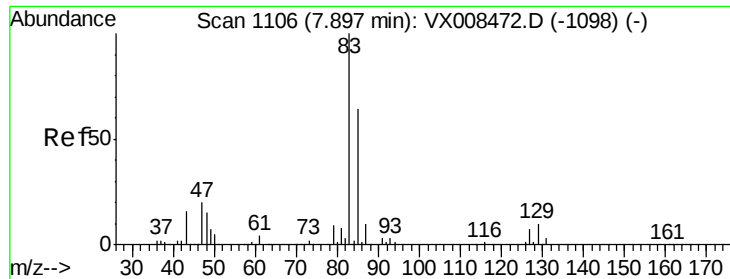
MMDadoda
 4/10/2019 4:21:05 PM



#40
 Dibromomethane
 Concen: 20.456 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX008764.D
 Acq: 09 Apr 2019 11:52

Tgt Ion: 93 Resp: 37851
 Ion Ratio Lower Upper
 93 100
 95 82.8 0.0 158.8
 174 98.8 0.0 224.2





#41

Bromodichloromethane

Concen: 20.473 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008764.D

Acq: 09 Apr 2019 11:52

Instrument :

MSVOA_X

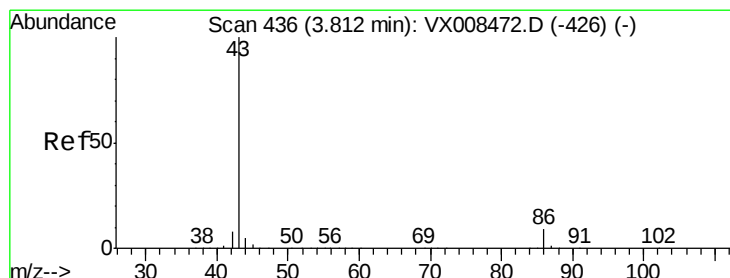
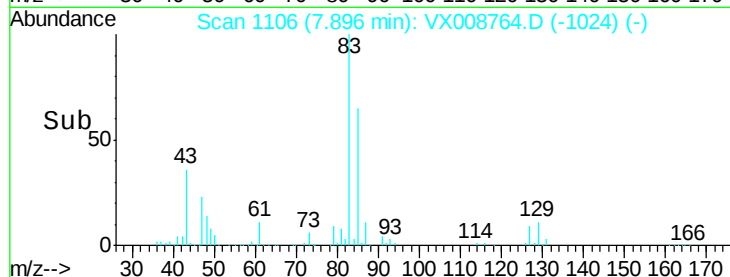
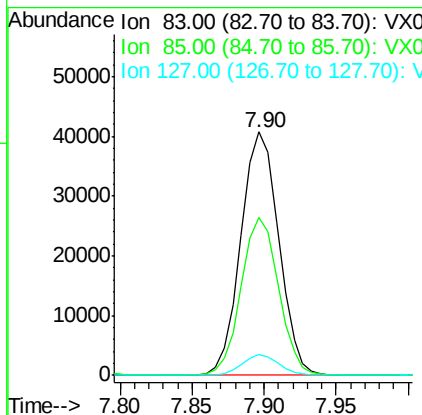
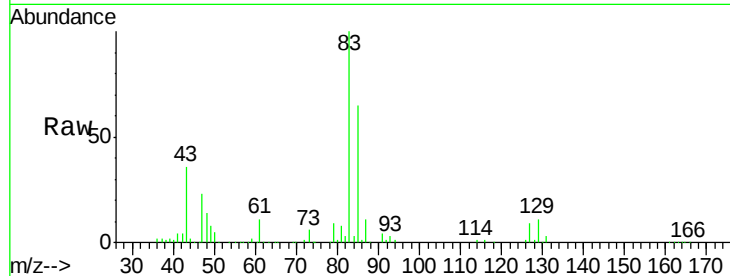
ClientSampleId :

VX0409WBSD01

Tot Ion:	83	Resp:	74485
Ion Ratio	Lower	Upper	
83	100		
85	64.9	51.1	76.7
127	8.8	7.2	10.8

Manual Integrations
APPROVED

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#42

Vinyl Acetate

Concen: 108.971 ug/l

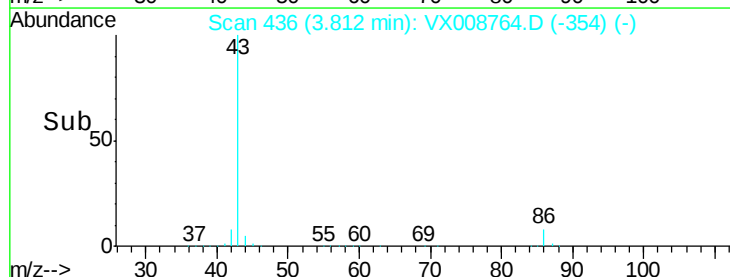
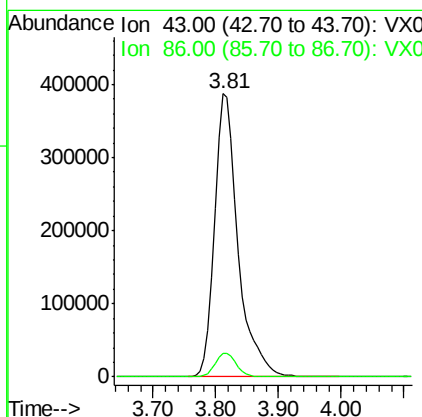
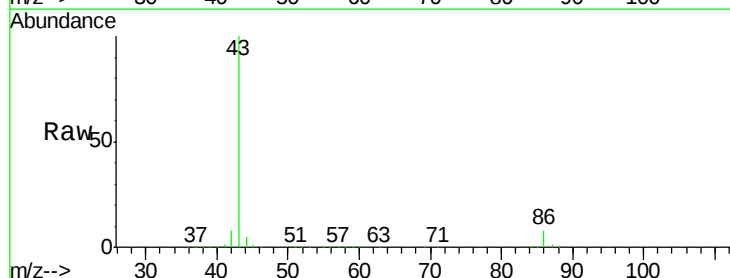
RT: 3.81 min Scan# 436

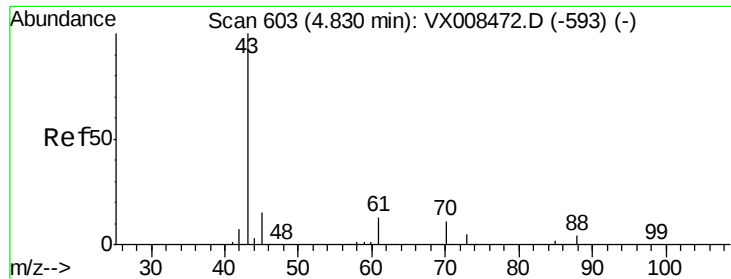
Delta R.T. -0.00 min

Lab File: VX008764.D

Acq: 09 Apr 2019 11:52

Tgt Ion:	43	Resp:	1000767
Ion Ratio	Lower	Upper	
43	100		
86	7.6	8.2	12.2#





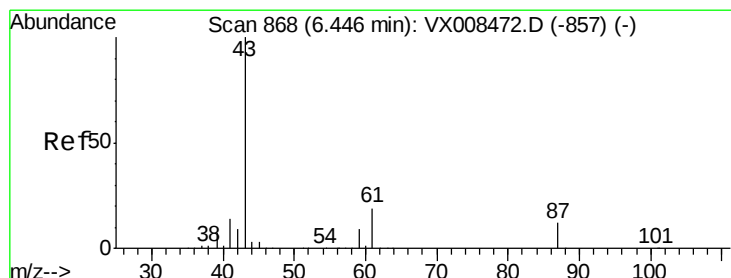
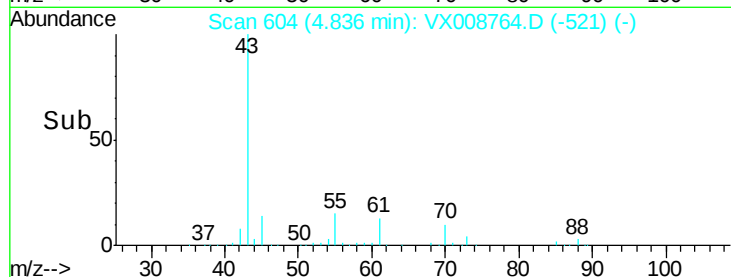
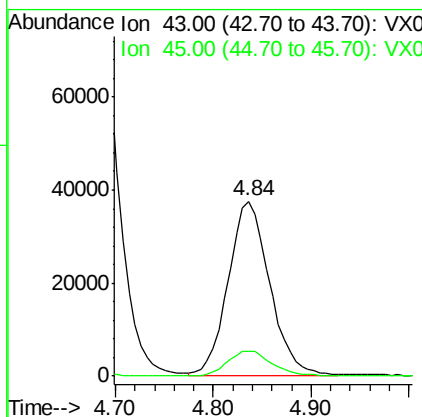
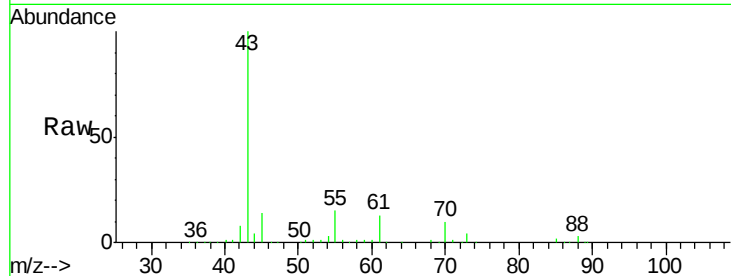
#43
Ethyl Acetate
Concen: 22.630 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX008764.D
Acq: 09 Apr 2019 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0409WBSD01

Tot Ion: 43 Resp: 110345
Ion Ratio Lower Upper
43 100
45 15.5 6.9 10.3#

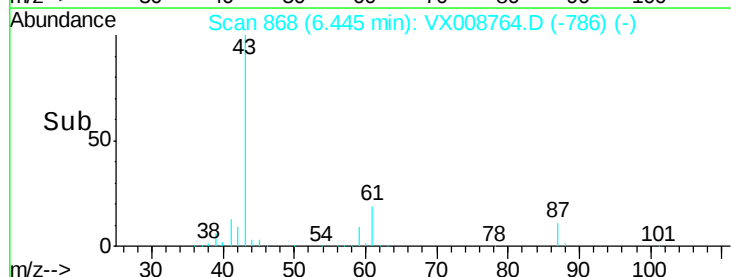
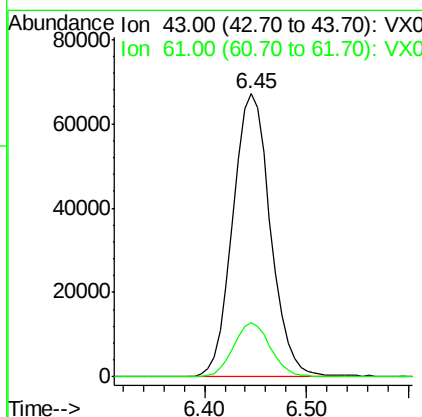
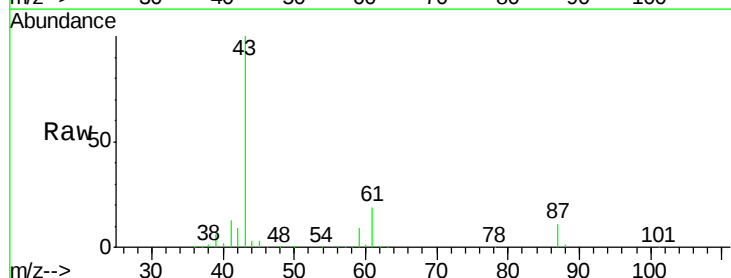
Manual Integrations
APPROVED

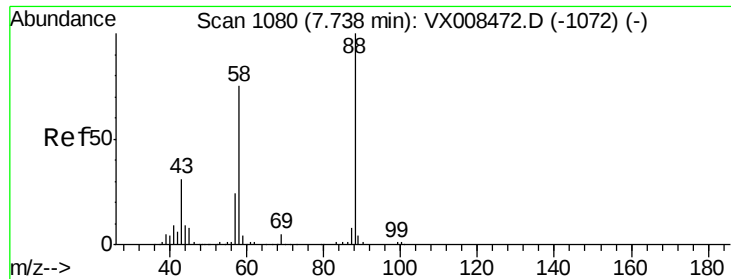
MMDadoda
4/10/2019 4:21:05 PM



#44
Isopropyl Acetate
Concen: 21.651 ug/l
RT: 6.45 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX008764.D
Acq: 09 Apr 2019 11:52

Tgt Ion: 43 Resp: 170708
Ion Ratio Lower Upper
43 100
61 19.3 16.1 24.1





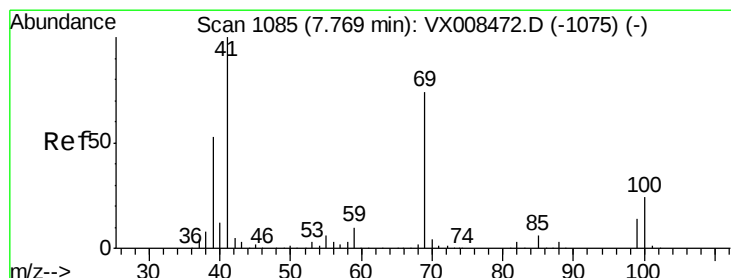
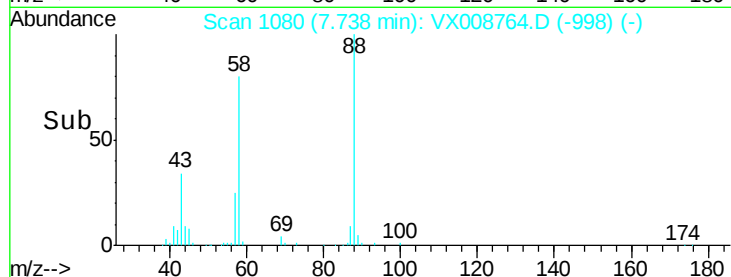
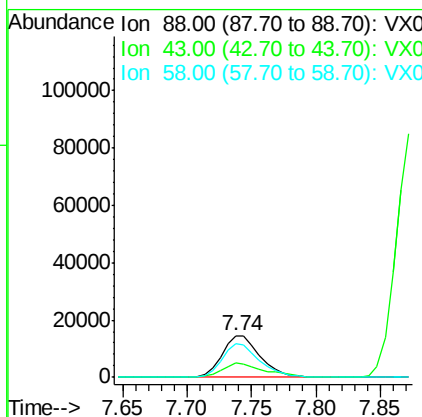
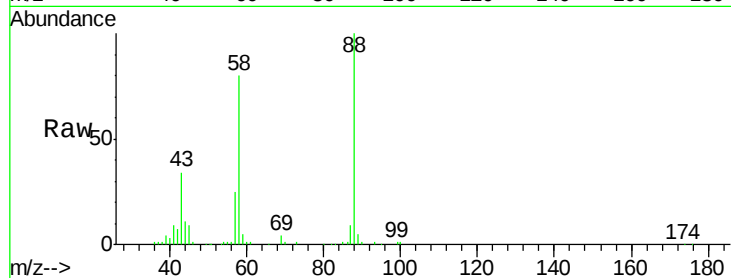
#45
 1,4-Dioxane
 Concen: 380.982 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VX008764.D
 Acq: 09 Apr 2019 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0409WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.3	23.6	35.4#
58	80.8	51.6	77.4#

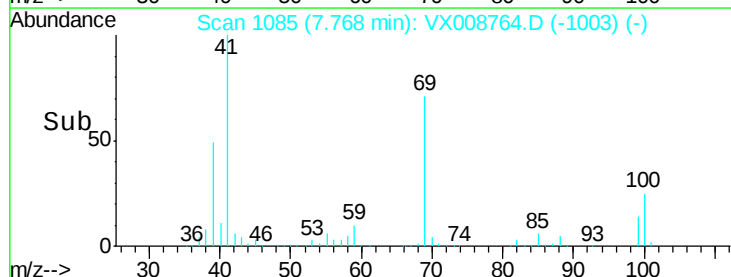
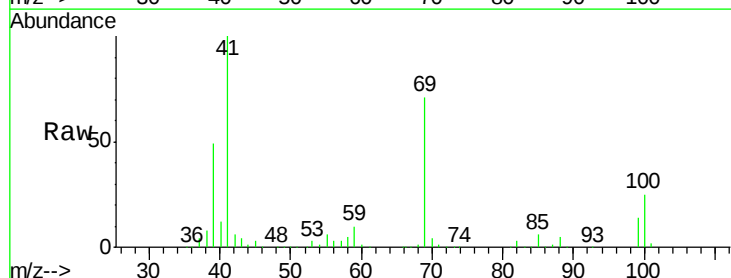
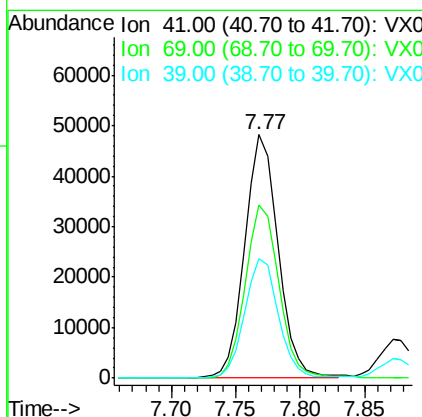
Manual Integrations
 APPROVED

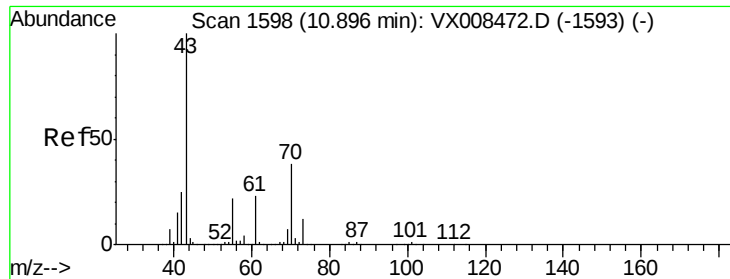
MMDadoda
 4/10/2019 4:21:05 PM



#46
 Methyl methacrylate
 Concen: 21.465 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX008764.D
 Acq: 09 Apr 2019 11:52

Tgt Ion	Ratio	Lower	Upper
41	100		
69	71.4	44.2	132.6
39	48.7	29.9	89.8





#47

n-amvl Acetate

Concen: 19.578 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008764.D

Acq: 09 Apr 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0409WBSD01

Tot Ion: 43 Resp: 140218

Ion Ratio Lower Upper

43 100

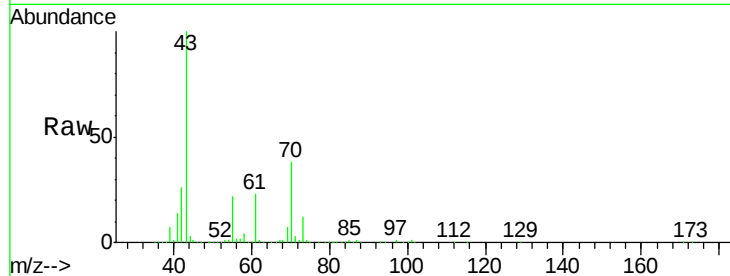
55 22.7 20.8 31.2

Manual Integrations

APPROVED

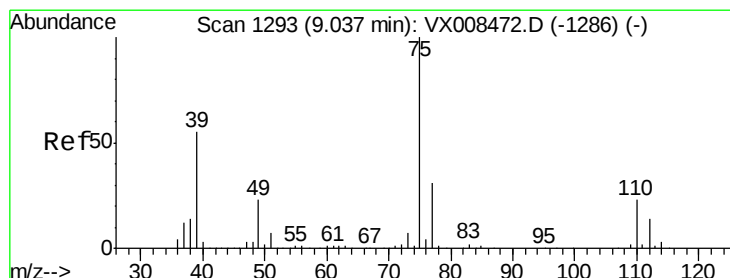
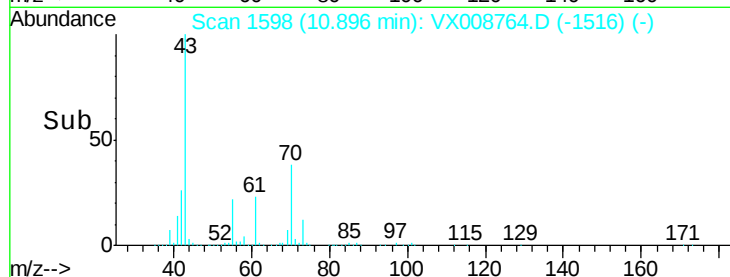
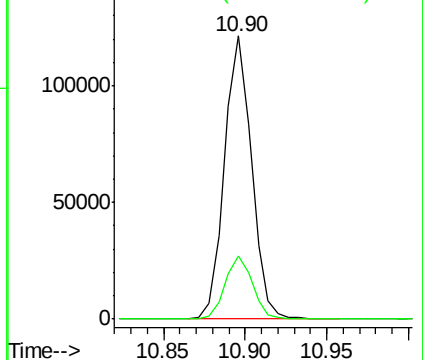
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#48

t-1,3-Dichloropropene

Concen: 20.719 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX008764.D

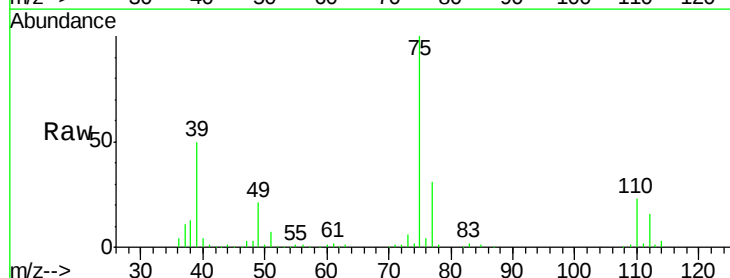
Acq: 09 Apr 2019 11:52

Tgt Ion: 75 Resp: 85144

Ion Ratio Lower Upper

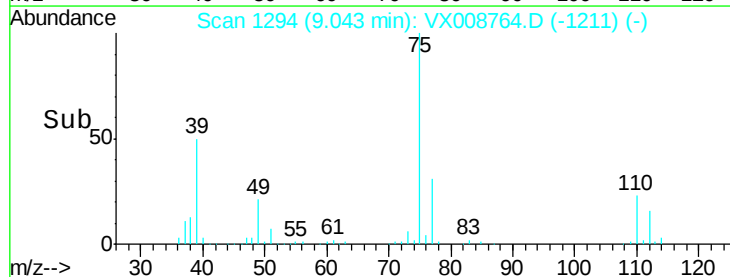
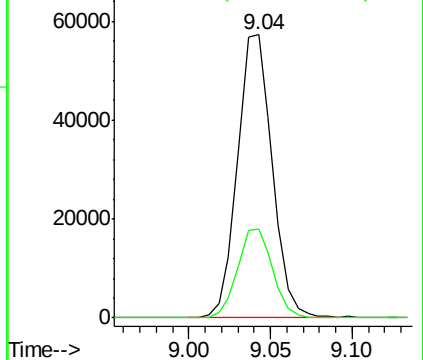
75 100

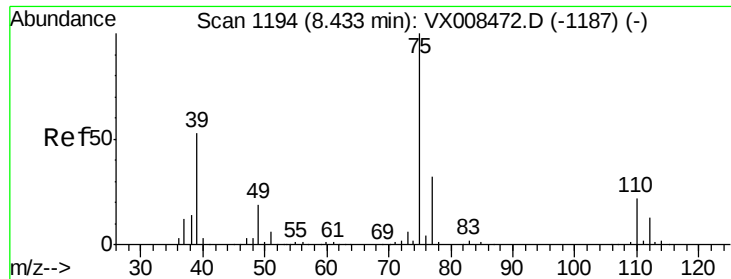
77 31.4 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#49

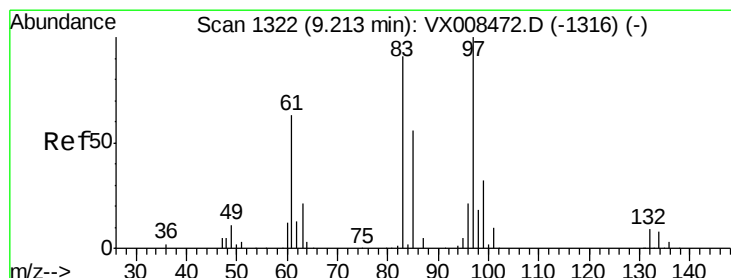
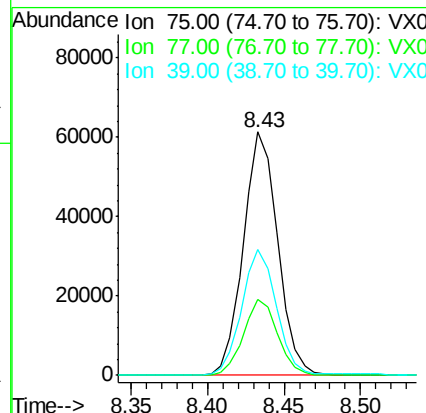
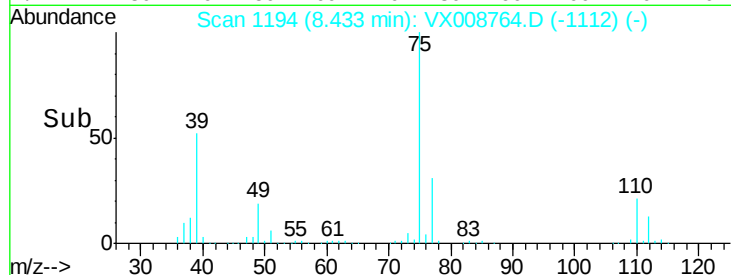
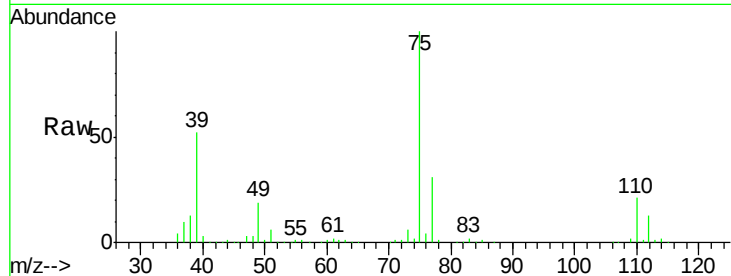
cis-1,3-Dichloropropene
 Concen: 20.902 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX008764.D
 Acq: 09 Apr 2019 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0409WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.0	37.4
39	51.6	38.5	57.7

Manual Integrations
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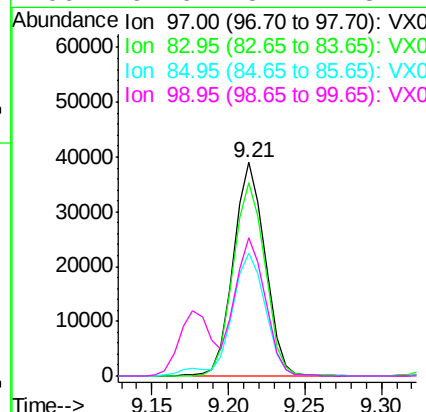
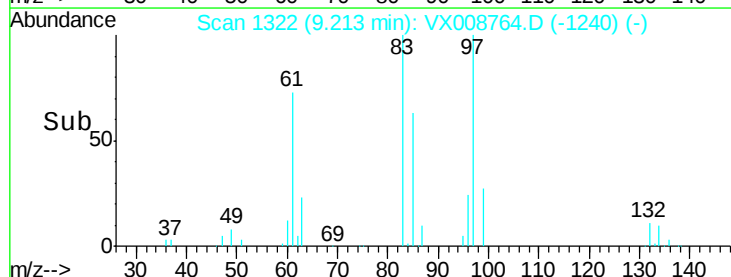
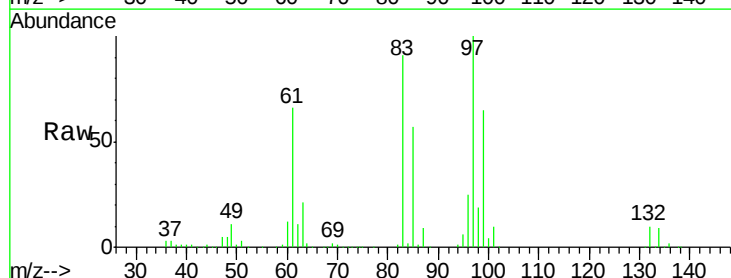
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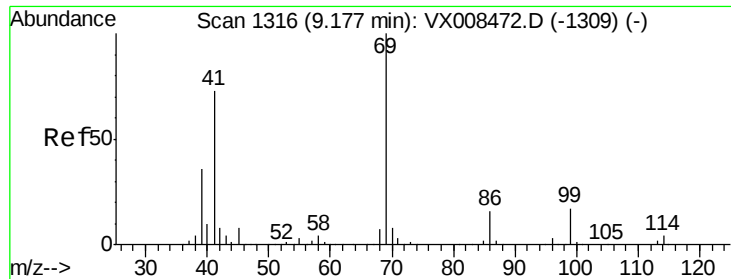


#50

1,1,2-Trichloroethane
 Concen: 20.452 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008764.D
 Acq: 09 Apr 2019 11:52

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.7	72.0	108.0
85	57.2	45.0	67.6
99	64.6	54.2	81.4





#51

Ethyl methacrylate

Concen: 20.002 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX008764.D

Acq: 09 Apr 2019 11:52

Instrument :

MSVOA_X

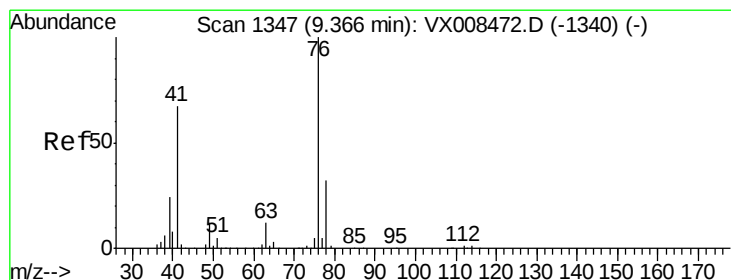
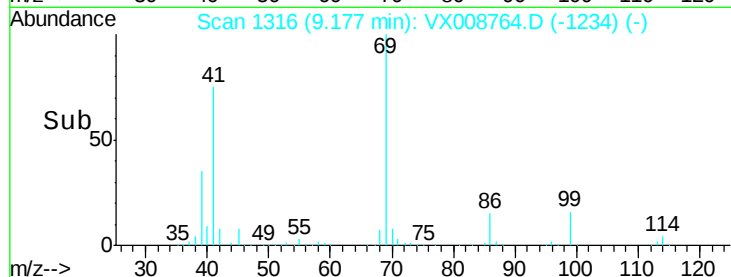
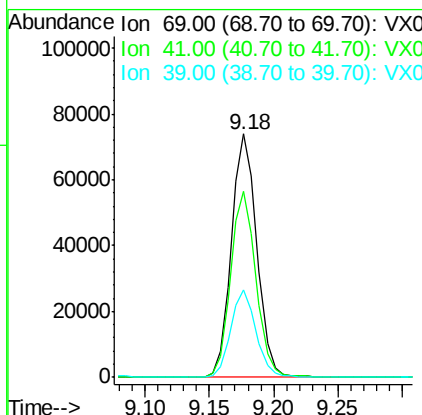
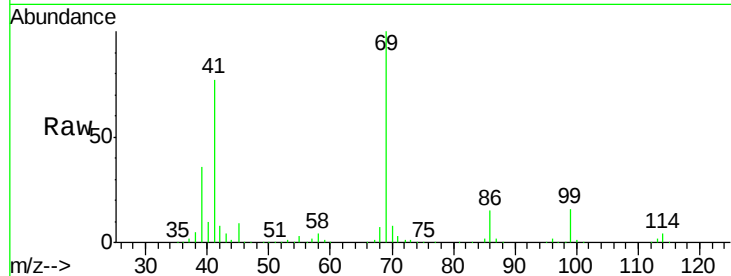
ClientSampleID :

VX0409WBSD01

Tot Ion:	69	Resp:	102266
Ion	Ratio	Lower	Upper
69	100		
41	76.4	32.1	96.5
39	35.9	18.8	56.3

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.833 ug/l

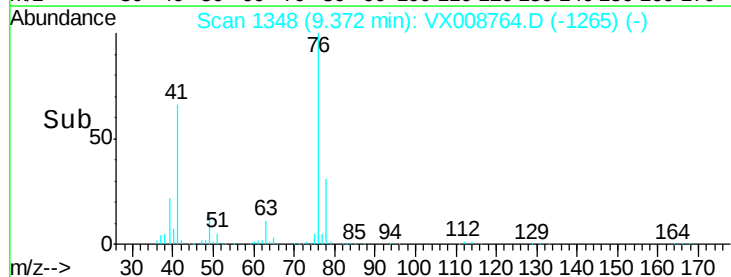
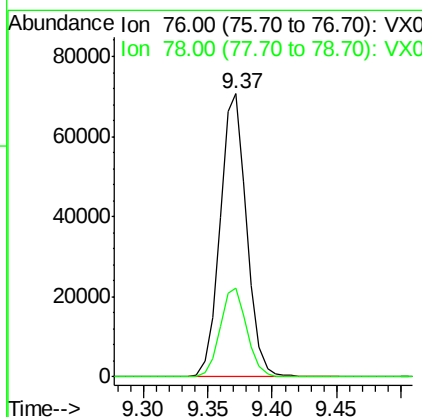
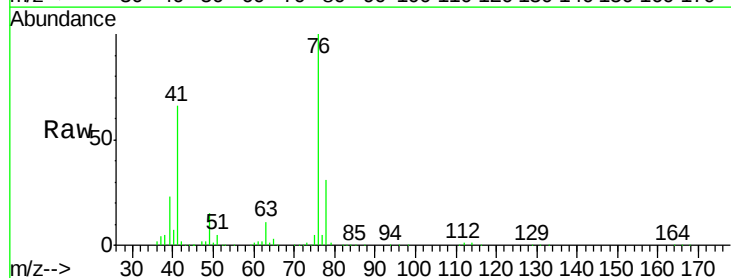
RT: 9.37 min Scan# 1348

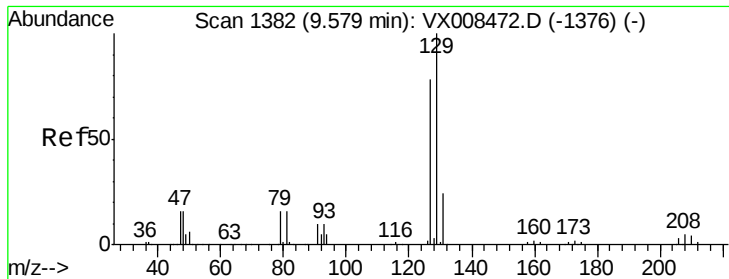
Delta R.T. 0.01 min

Lab File: VX008764.D

Acq: 09 Apr 2019 11:52

Tgt Ion:	76	Resp:	101834
Ion	Ratio	Lower	Upper
76	100		
78	31.8	0.0	65.2





#53

Dibromochloromethane

Concen: 20.096 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX008764.D

Acq: 09 Apr 2019 11:52

Tot Ion:129 Resp: 54333

Ion Ratio Lower Upper

129 100

127 76.9 38.4 115.2

Instrument :

MSVOA_X

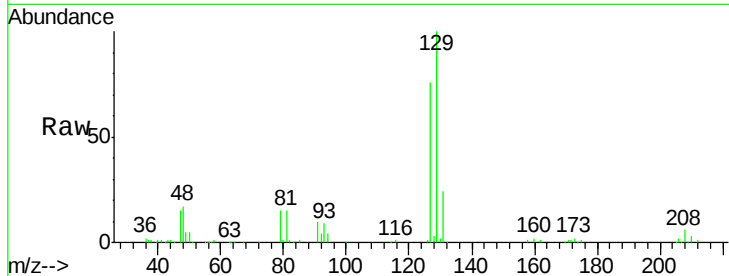
ClientSampleId :

VX0409WBSD01

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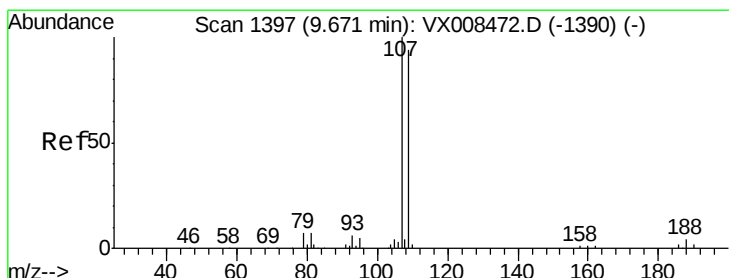
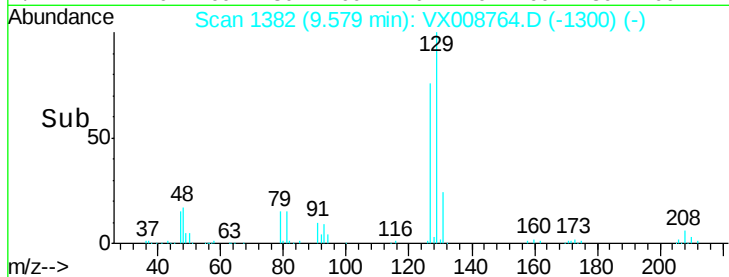
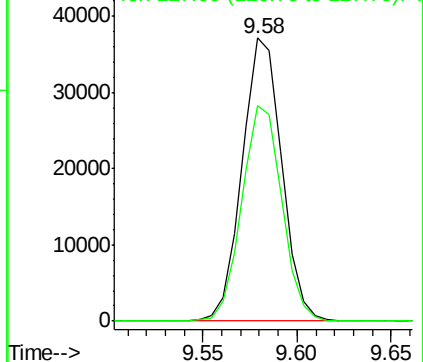
MMDadoda

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 20.606 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008764.D

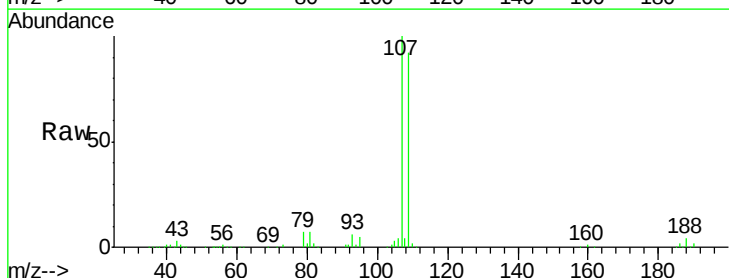
Acq: 09 Apr 2019 11:52

Tgt Ion:107 Resp: 58361

Ion Ratio Lower Upper

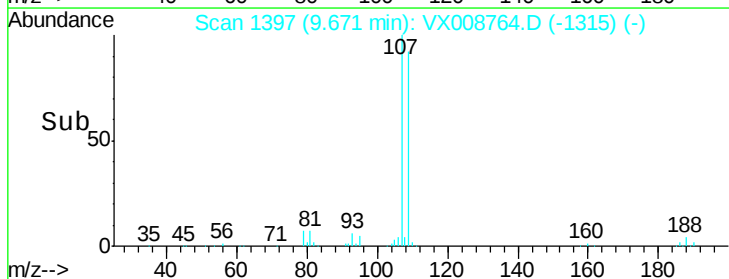
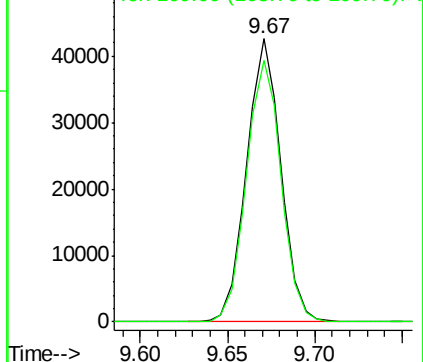
107 100

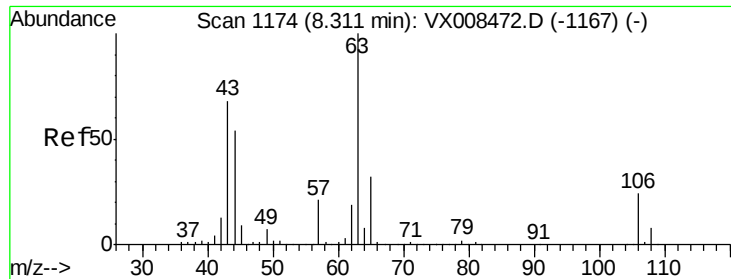
109 94.1 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





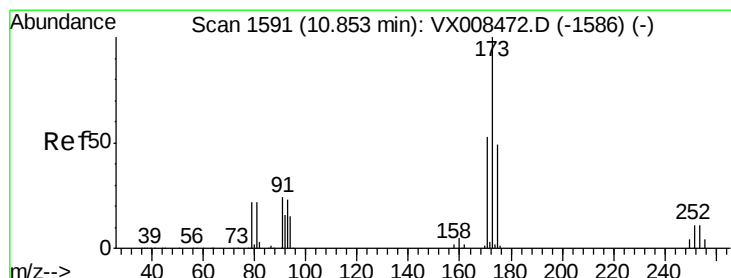
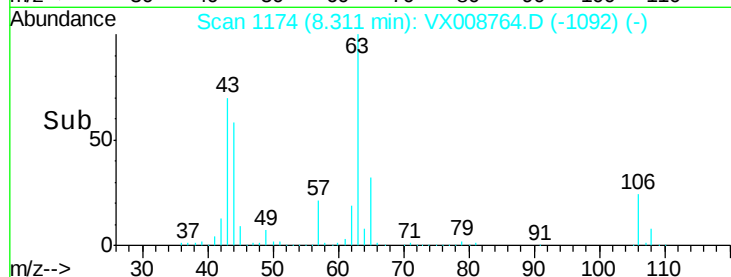
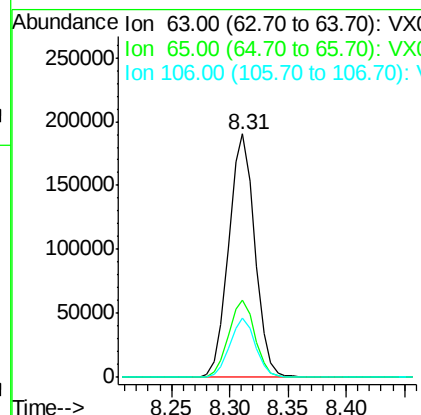
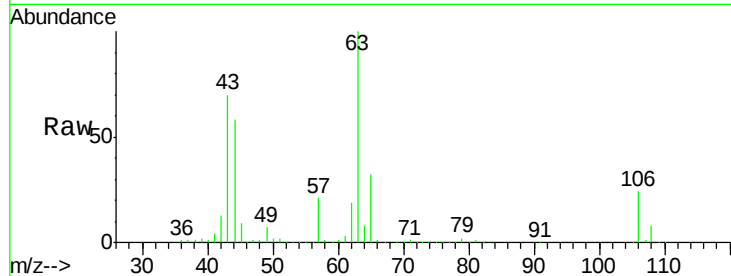
#55
2-Chloroethyl vinyl ether
Concen: 114.894 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VX008764.D
Acq: 09 Apr 2019 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0409WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.0	25.7	38.5
106	23.9	23.7	35.5

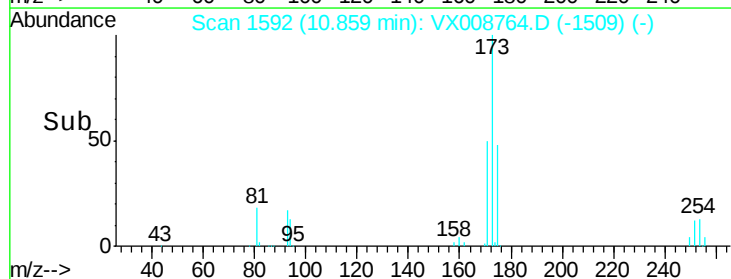
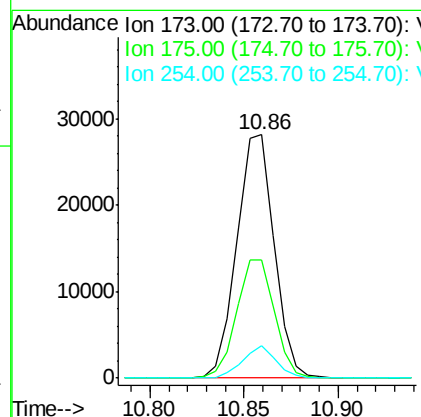
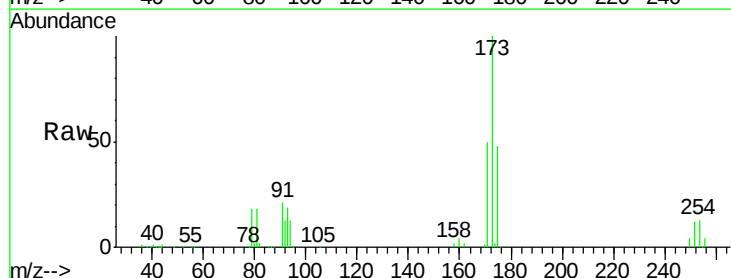
Manual Integrations
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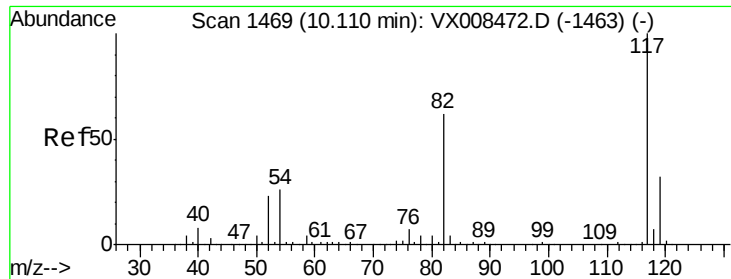
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#56
Bromoform
Concen: 19.727 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.01 min
Lab File: VX008764.D
Acq: 09 Apr 2019 11:52

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.3	38.5	57.7
254	11.9	7.4	11.2#





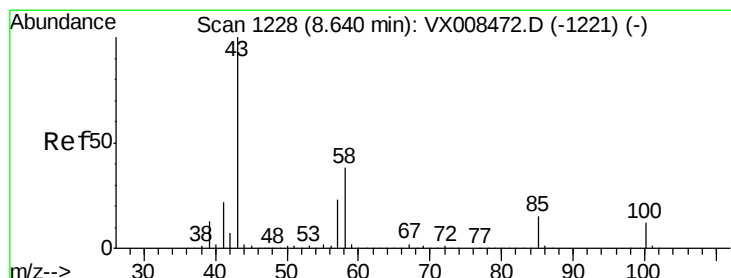
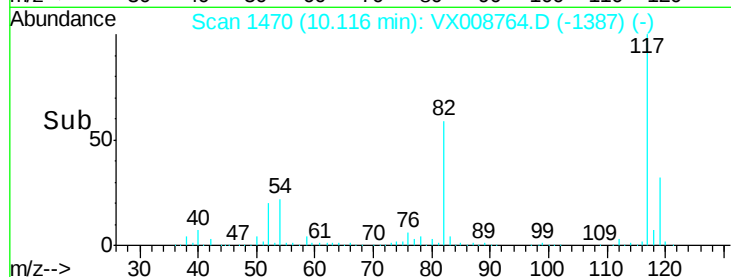
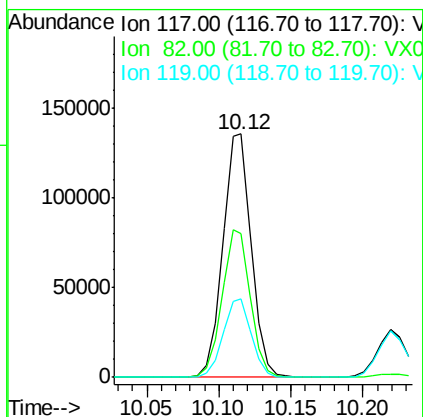
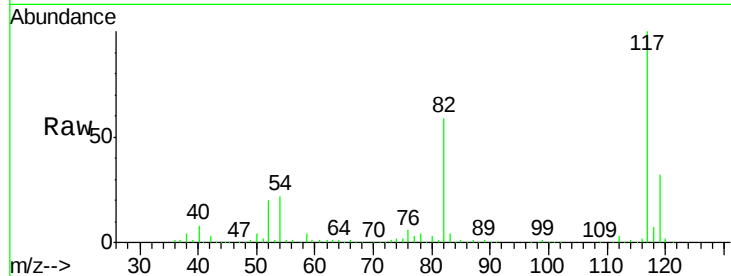
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008764.D
Acq: 09 Apr 2019 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0409WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.3	40.4	60.6
119	32.3	25.8	38.6

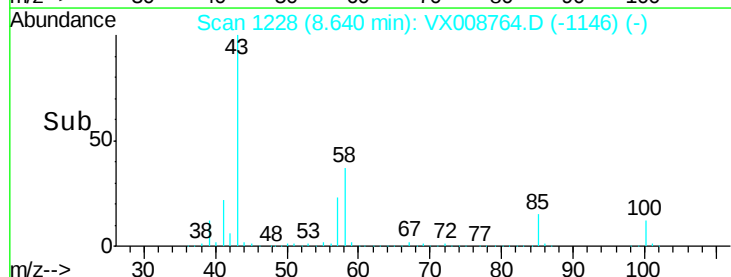
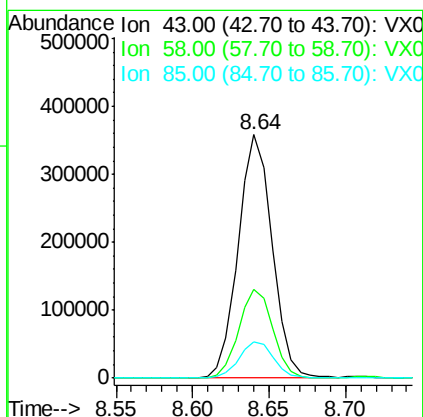
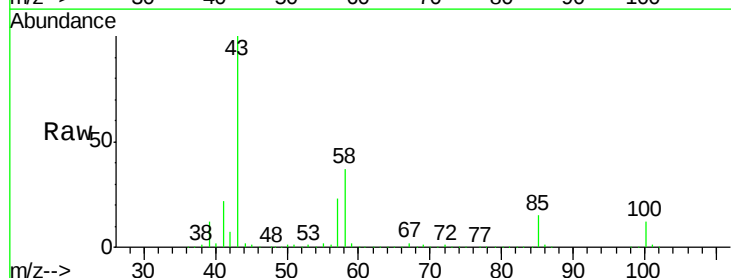
Manual Integrations
APPROVED

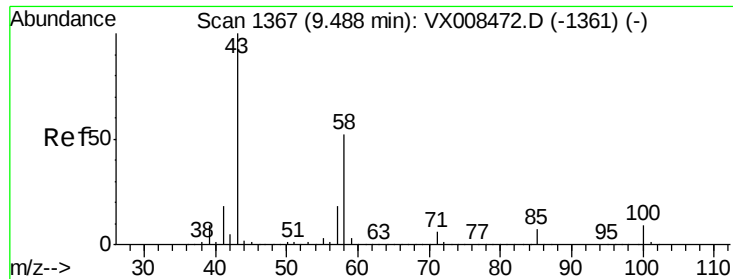
MMDadoda
4/10/2019 4:21:05 PM



#58
4-Methyl-2-Pentanone
Concen: 111.627 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX008764.D
Acq: 09 Apr 2019 11:52

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.7	31.4	47.0
85	15.0	15.0	22.6





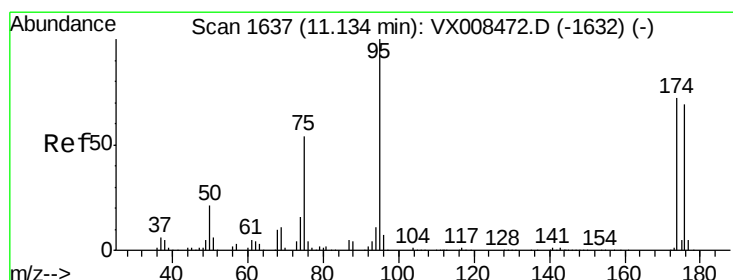
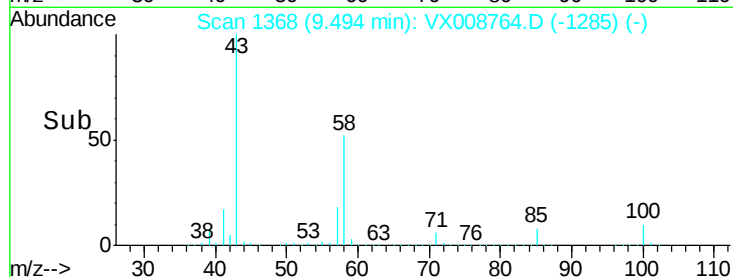
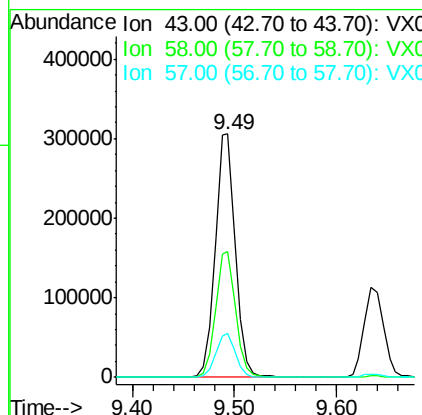
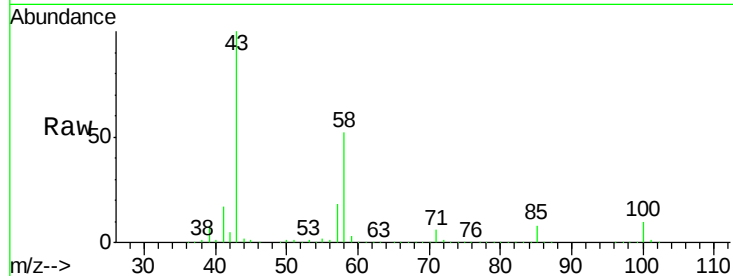
#59
2-Hexanone
Concen: 108.781 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX008764.D
Acq: 09 Apr 2019 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0409WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.6	43.9	65.9
57	17.8	14.9	22.3

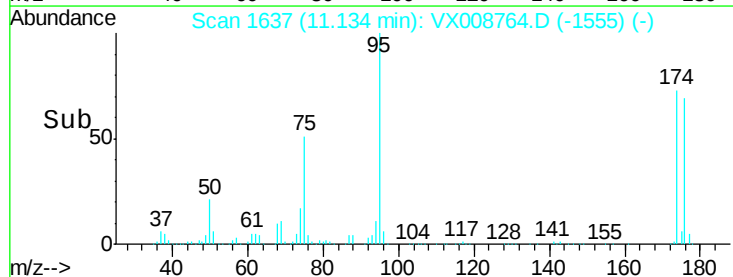
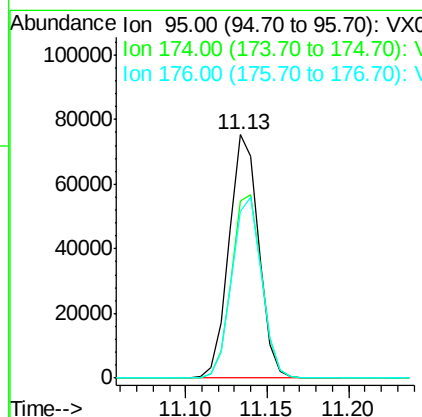
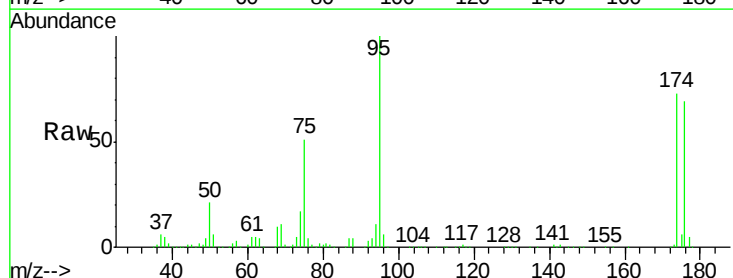
Manual Integrations
APPROVED

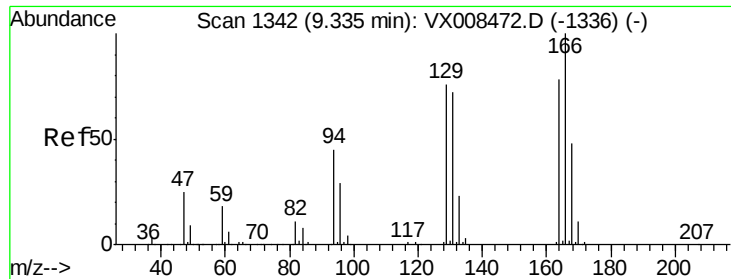
MMDadoda
4/10/2019 4:21:05 PM



#60
4-Bromofluorobenzene
Concen: 28.905 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008764.D
Acq: 09 Apr 2019 11:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.1	74.9	112.3
176	75.2	70.7	106.1





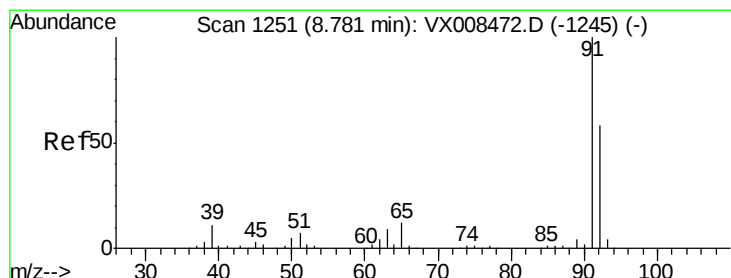
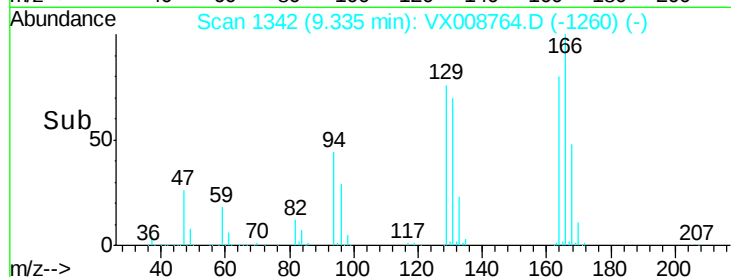
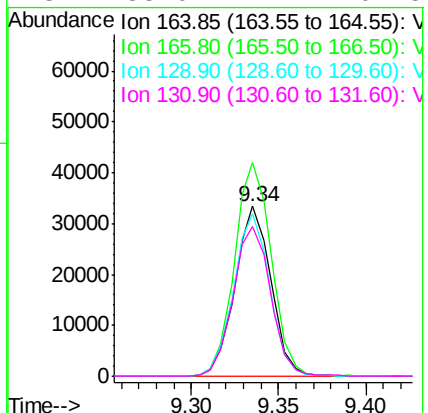
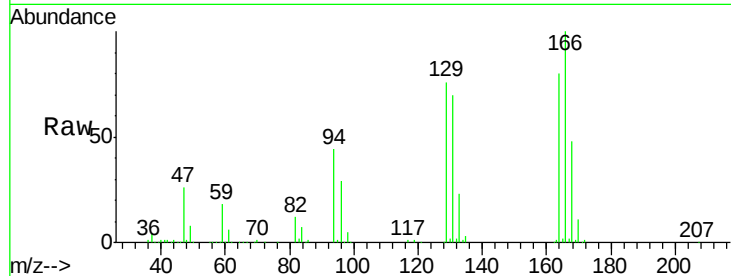
#61
Tetrachloroethene
Concen: 23.256 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008764.D
Acq: 09 Apr 2019 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0409WBSD01

Tot Ion	Ratio	Lower	Upper
164	100		
166	125.5	103.9	155.9
129	95.2	74.7	112.1
131	88.0	71.7	107.5

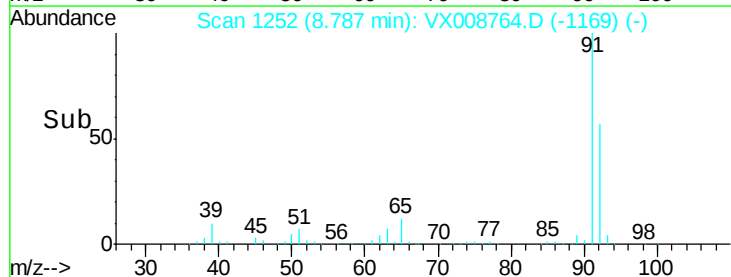
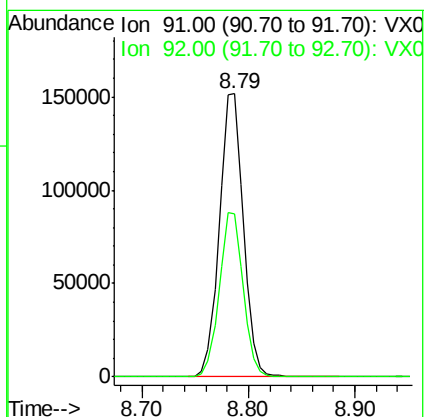
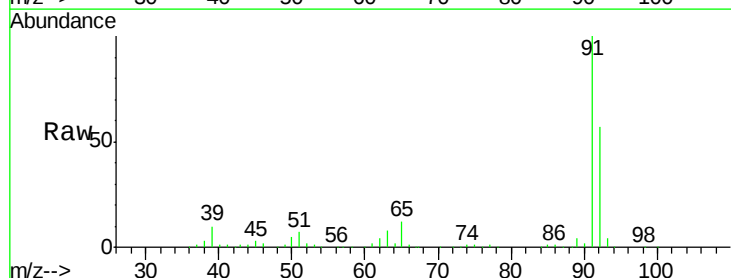
Manual Integrations
APPROVED

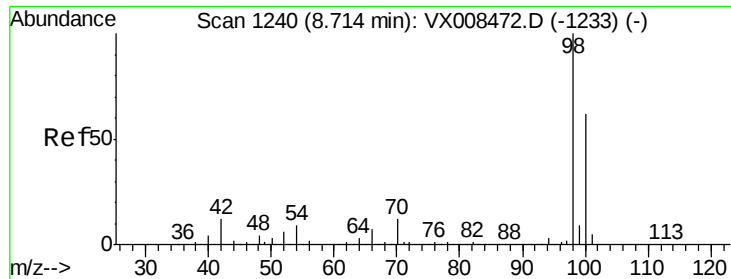
MMDadoda
4/10/2019 4:21:05 PM



#62
Toluene
Concen: 20.983 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.01 min
Lab File: VX008764.D
Acq: 09 Apr 2019 11:52

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.8	46.4	69.6





#63

Toluene-d8

Concen: 30.685 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008764.D

Acq: 09 Apr 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0409WBSD01

Tot Ion: 98 Resp: 273214

Ion Ratio Lower Upper

98 100

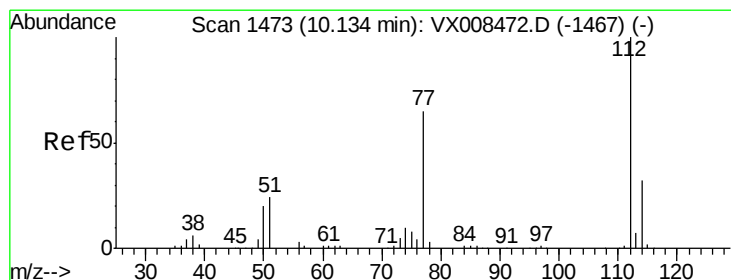
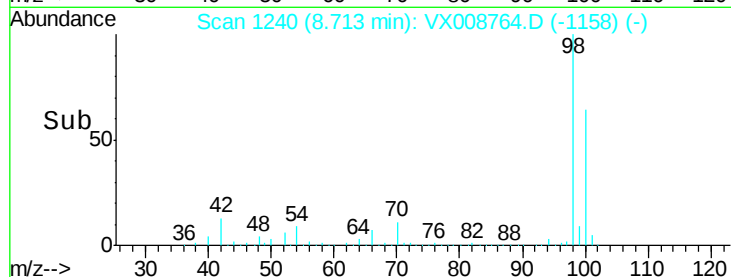
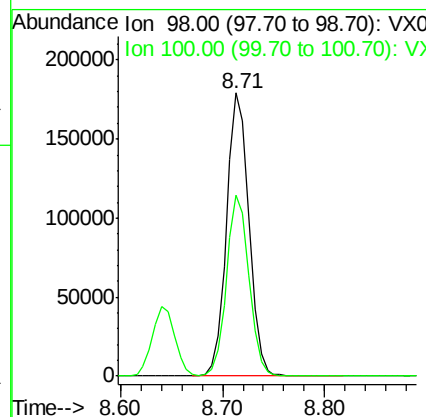
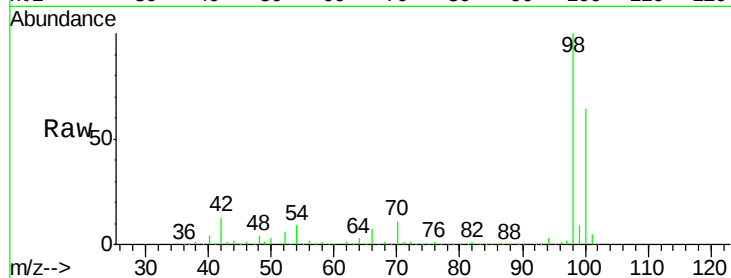
100 63.9 50.9 76.3

Manual Integrations

APPROVED

MMDadoda

4/10/2019 4:21:05 PM



#64

Chlorobenzene

Concen: 20.574 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX008764.D

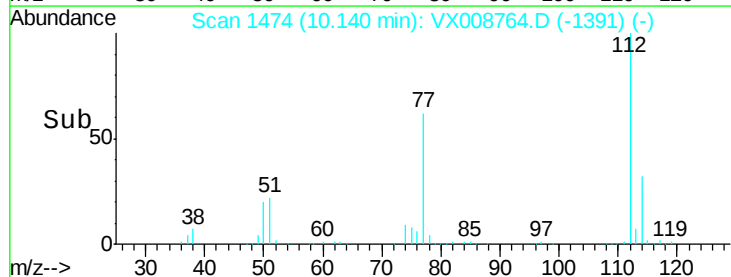
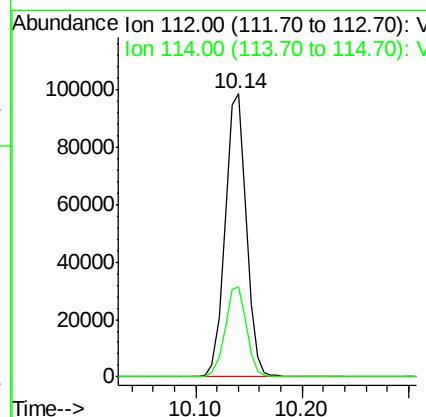
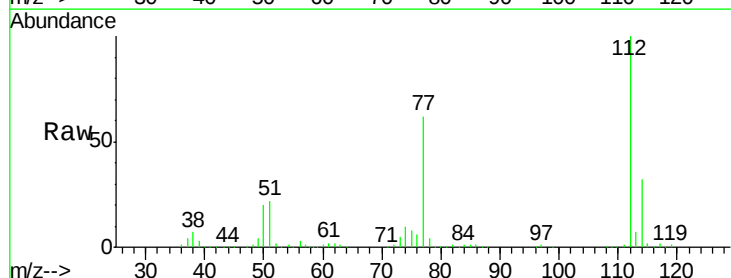
Acq: 09 Apr 2019 11:52

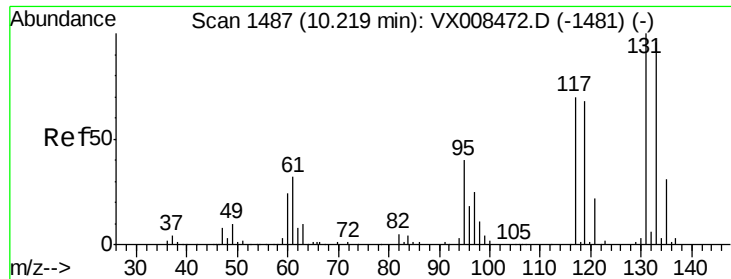
Tgt Ion: 112 Resp: 136915

Ion Ratio Lower Upper

112 100

114 32.0 25.4 38.2





#65

1,1,1,2-Tetrachloroethane

Concen: 21.624 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX008764.D

Acq: 09 Apr 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0409WBSD01

Tot Ion:131 Resp: 50735

Ion Ratio Lower Upper

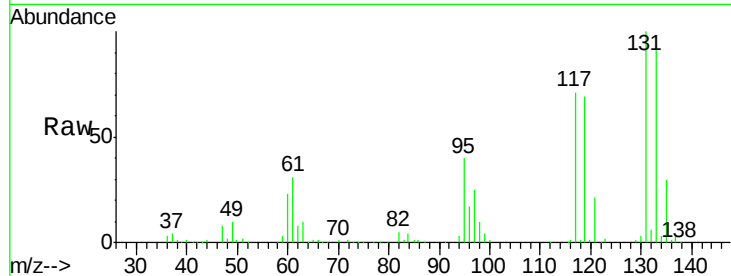
131 100

133 95.7 0.0 191.6

119 67.4 0.0 127.4

Manual Integrations
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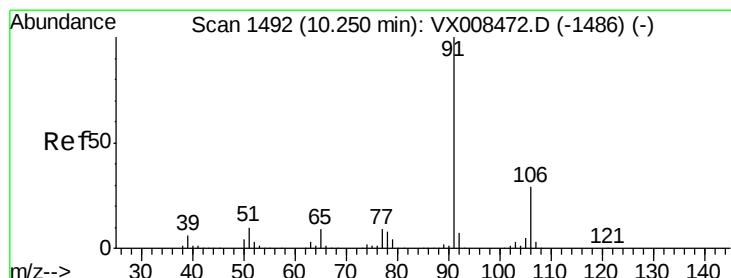
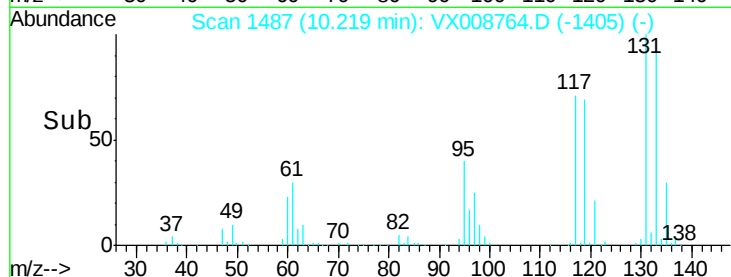
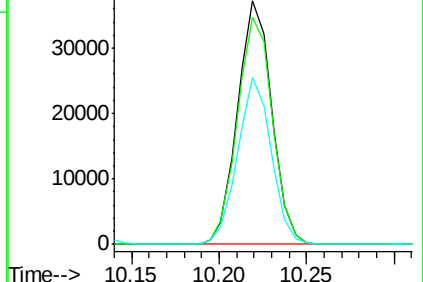
MMDadoda
4/10/2019 4:21:05 PM



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.297 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX008764.D

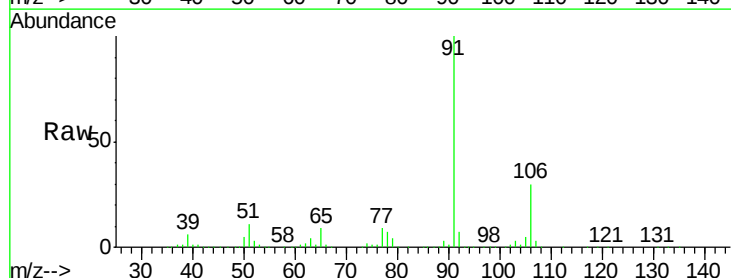
Acq: 09 Apr 2019 11:52

Tgt Ion: 91 Resp: 255866

Ion Ratio Lower Upper

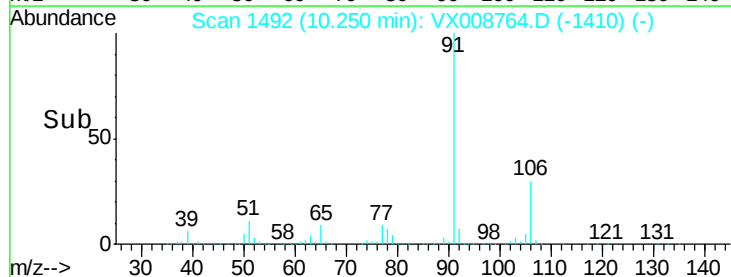
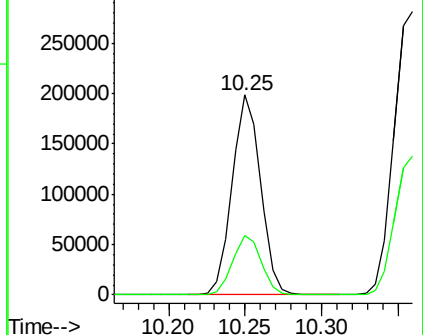
91 100

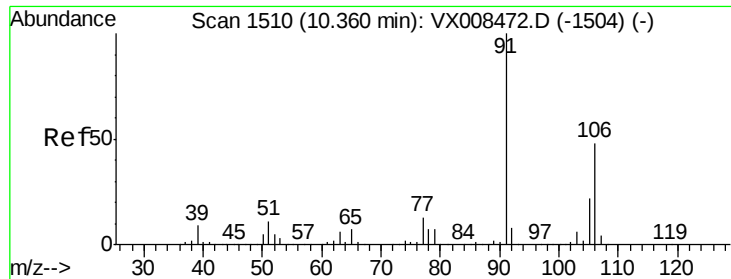
106 30.0 26.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





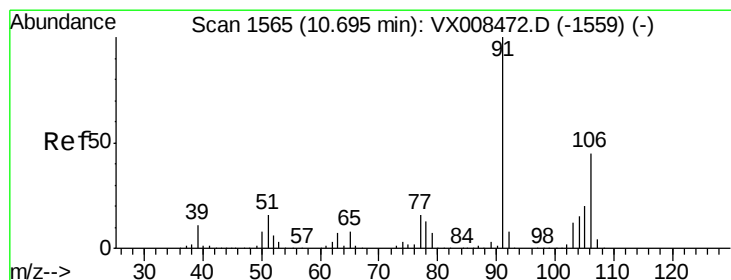
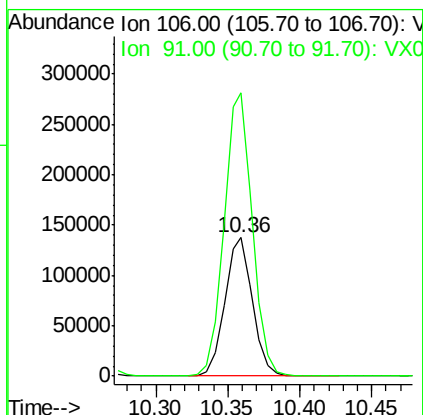
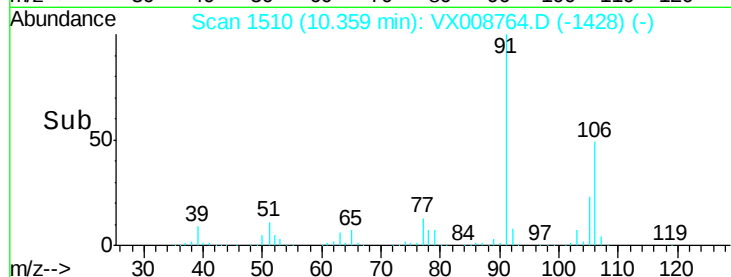
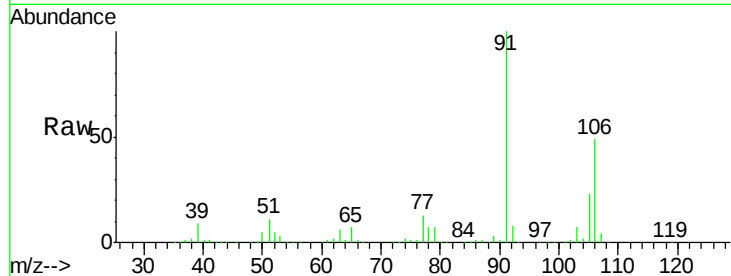
#67
m/p-Xylenes
Concen: 40.179 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008764.D
Acq: 09 Apr 2019 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0409WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		184738		
91	208.1	157.0	235.4		

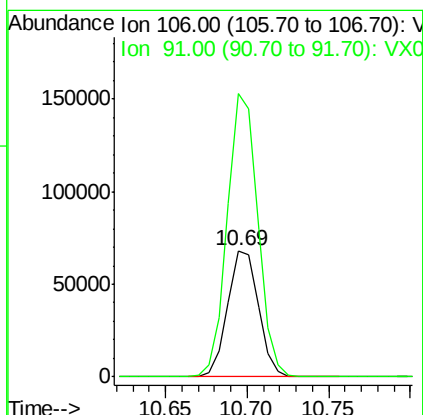
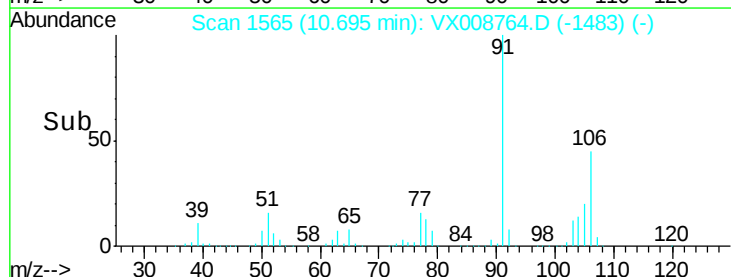
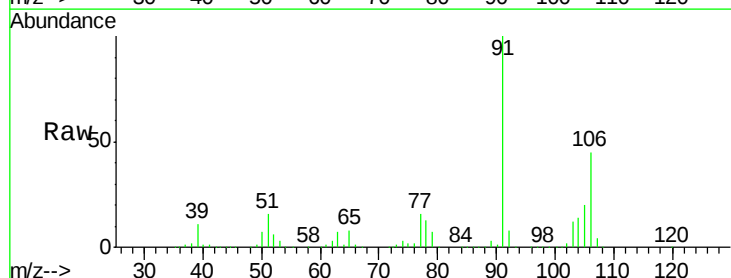
Manual Integrations
APPROVED

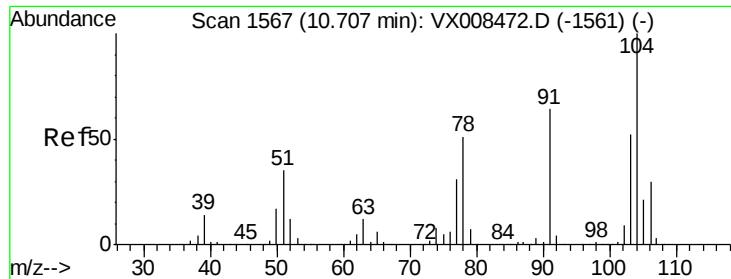
MMDadoda
4/10/2019 4:21:05 PM



#68
o-Xylene
Concen: 19.980 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX008764.D
Acq: 09 Apr 2019 11:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		89896		
91	221.4	104.4	313.2		





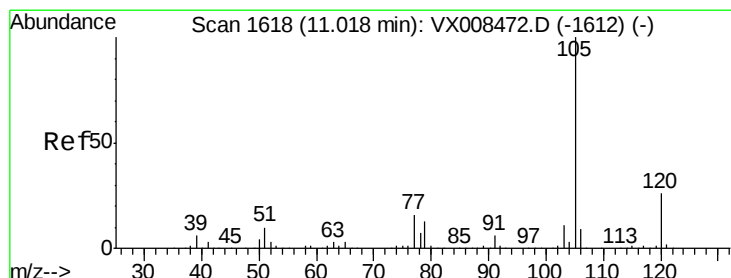
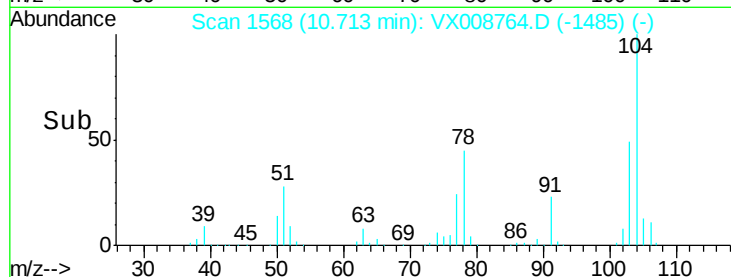
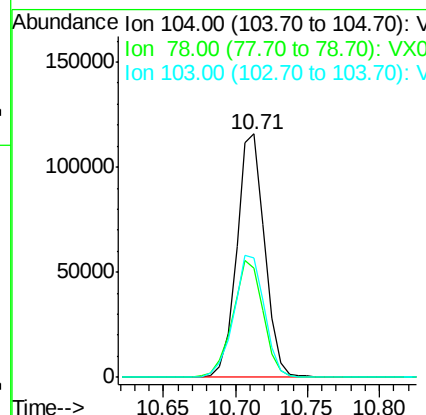
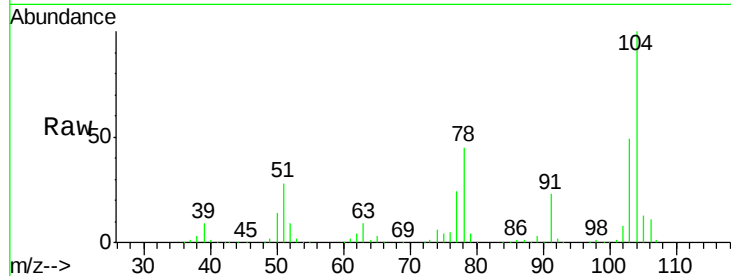
#69
Stvrene
Concen: 20.018 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VX008764.D
Acq: 09 Apr 2019 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0409WBSD01

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.4	38.2	57.2
103	55.2	45.0	67.4

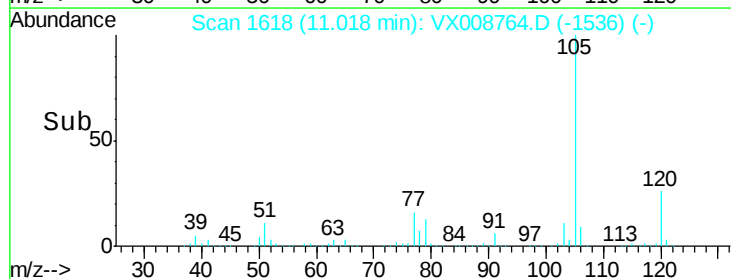
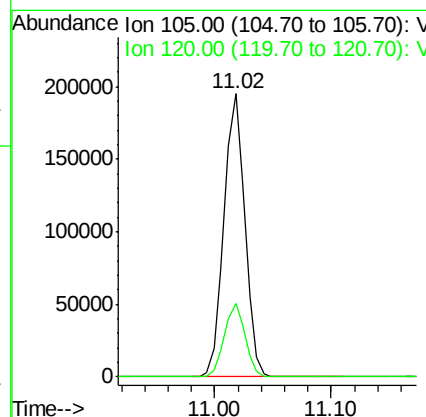
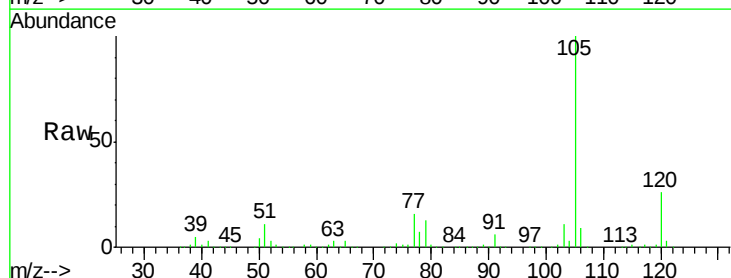
Manual Integrations
APPROVED

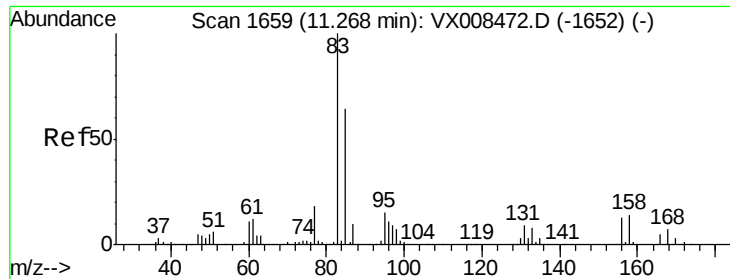
MMDadoda
4/10/2019 4:21:05 PM



#70
Isopropylbenzene
Concen: 20.354 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX008764.D
Acq: 09 Apr 2019 11:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.7	19.8	36.8





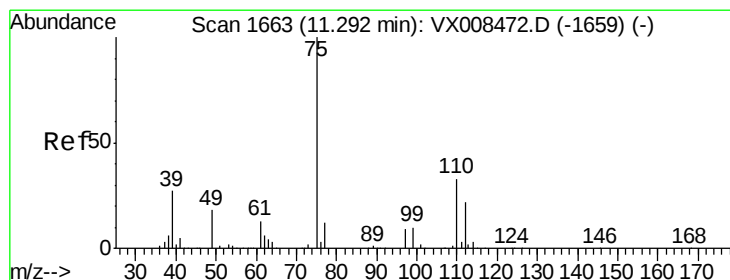
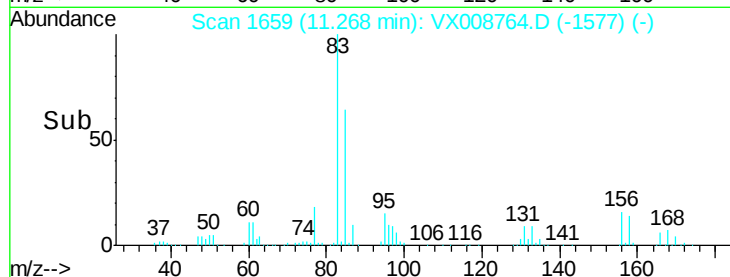
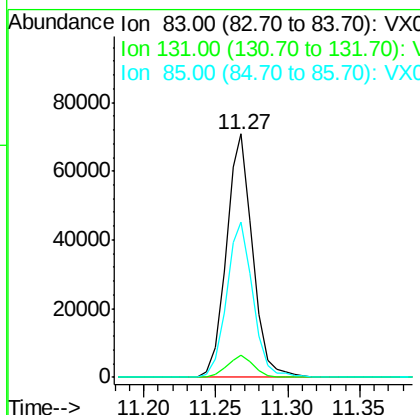
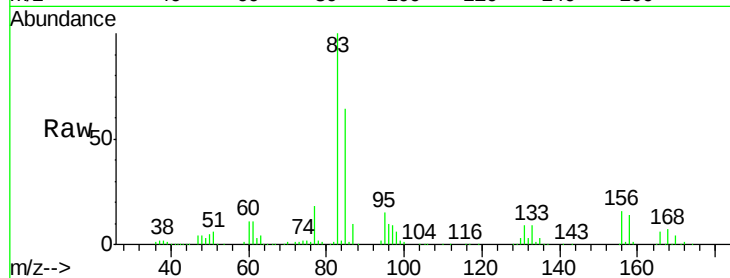
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.399 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX008764.D
 Acq: 09 Apr 2019 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0409WBSD01

Tot Ion	83	Resp	90447
Ion Ratio	100	Lower	Upper
83	100		
131	9.0	5.4	16.2
85	64.3	32.8	98.4

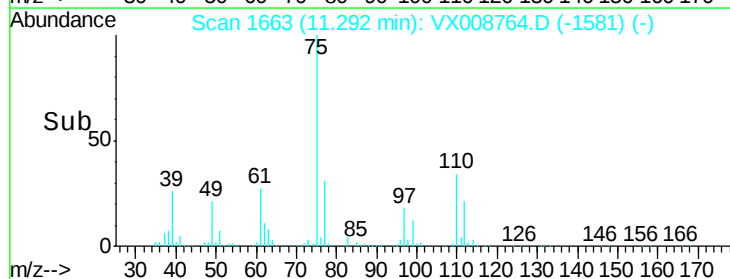
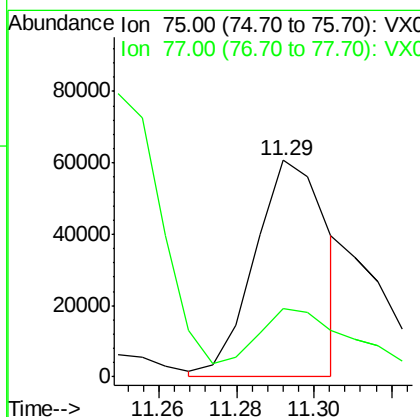
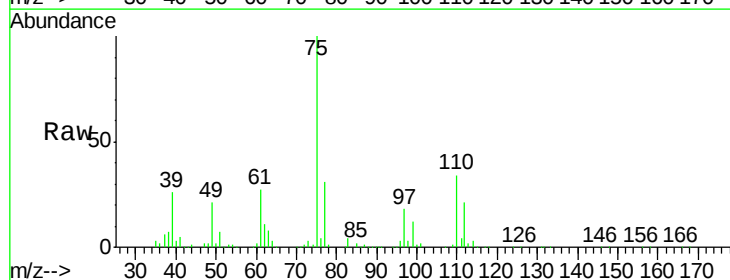
Manual Integrations
 APPROVED

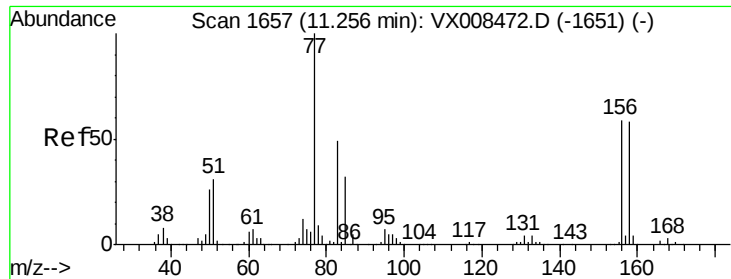
MMDadoda
 4/10/2019 4:21:05 PM



#72
 1,2,3-Trichloropropane
 Concen: 20.928 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX008764.D
 Acq: 09 Apr 2019 11:52

Tgt Ion	75	Resp	78435
Ion Ratio	100	Lower	Upper
75	100		
77	43.7	0.0	76.4





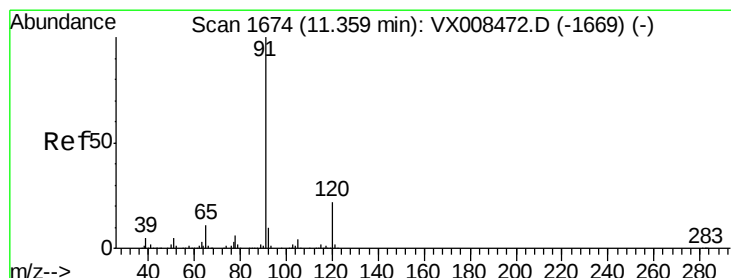
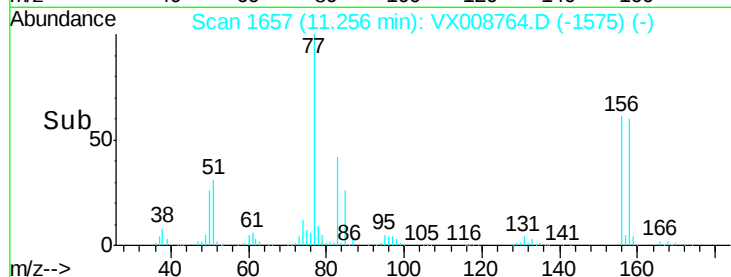
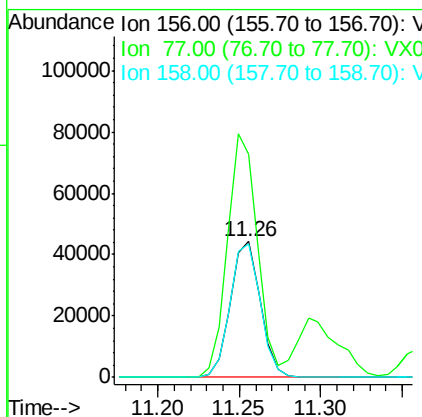
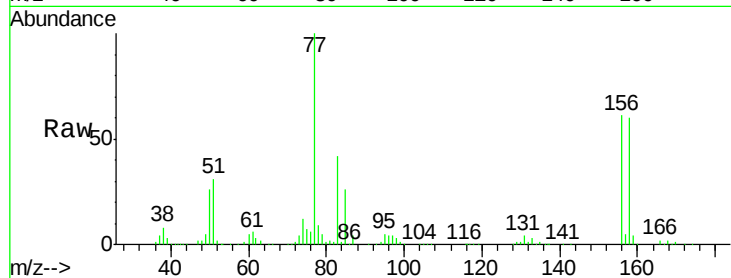
#73
Bromobenzene
Concen: 20.061 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX008764.D
Acq: 09 Apr 2019 11:52

Instrument :
MSVOA_X
ClientSampled :
VX0409WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	178.0	0.0	271.4
158	98.7	0.0	194.0

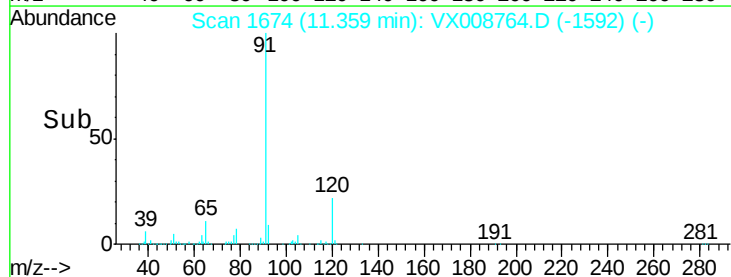
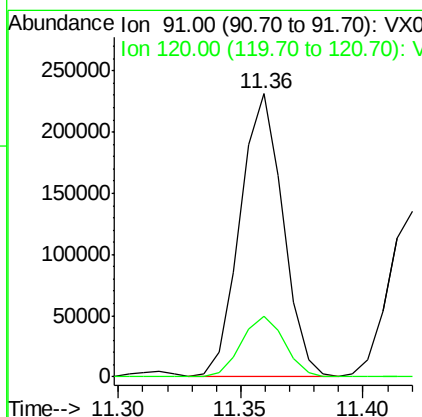
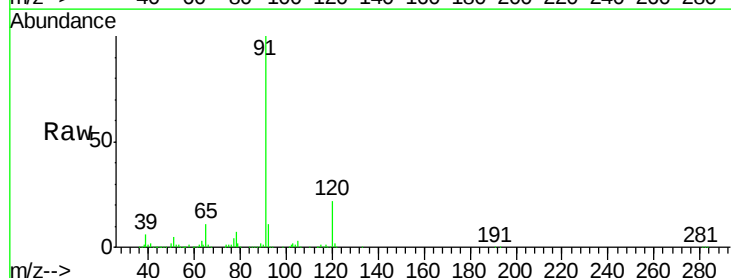
Manual Integrations
APPROVED

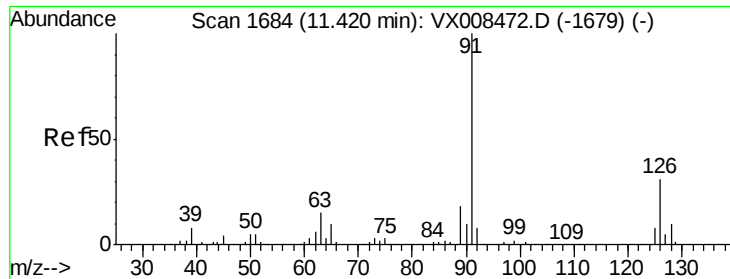
MMDadoda
4/10/2019 4:21:05 PM



#74
n-propylbenzene
Concen: 19.955 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX008764.D
Acq: 09 Apr 2019 11:52

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.4	0.0	48.6





#75

2-Chlorotoluene

Concen: 19.879 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008764.D

Acq: 09 Apr 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0409WBSD01

Tot Ion: 91 Resp: 167226

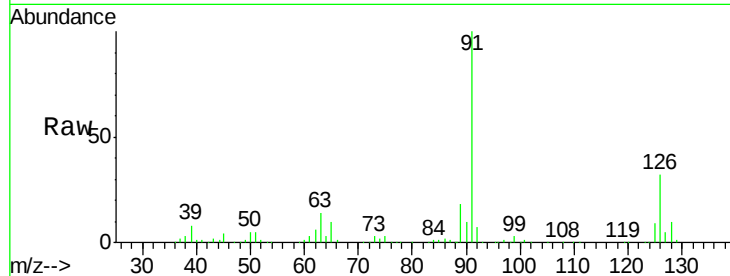
Ion Ratio Lower Upper

91 100

126 32.0 0.0 75.2

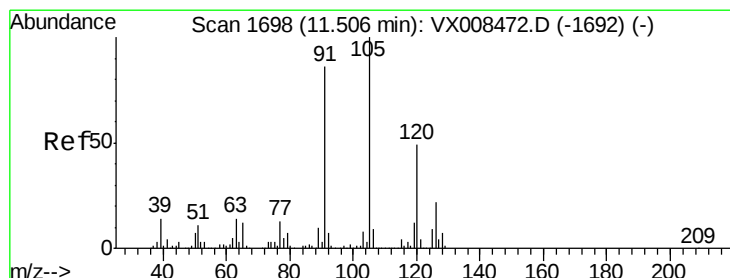
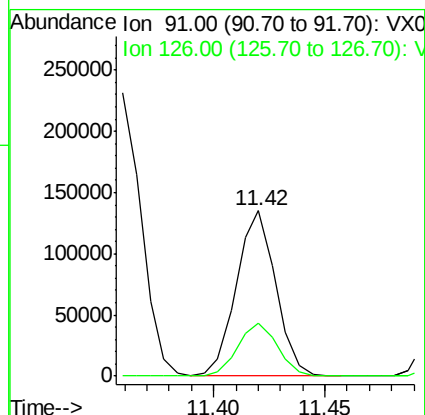
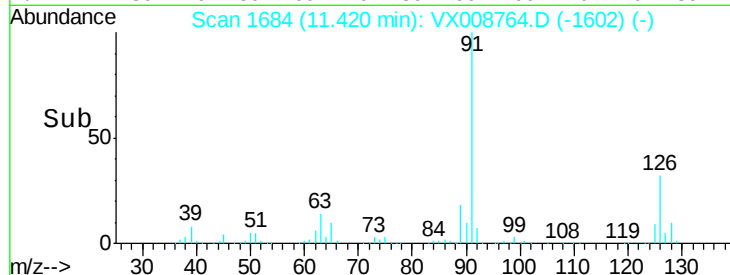
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX008472.D (-1679) (-)

Ion 126.00 (125.70 to 126.70): VX008472.D (-1679) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.201 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008764.D

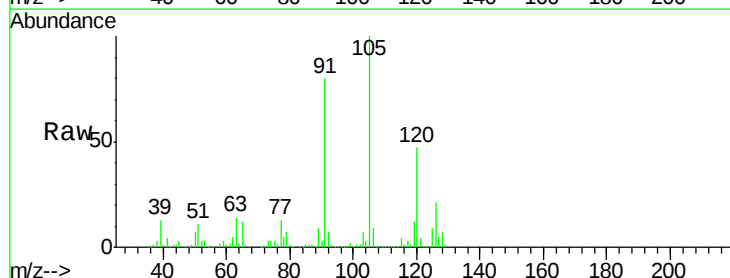
Acq: 09 Apr 2019 11:52

Tgt Ion: 105 Resp: 204978

Ion Ratio Lower Upper

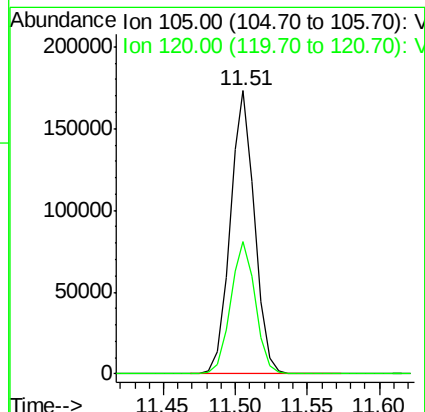
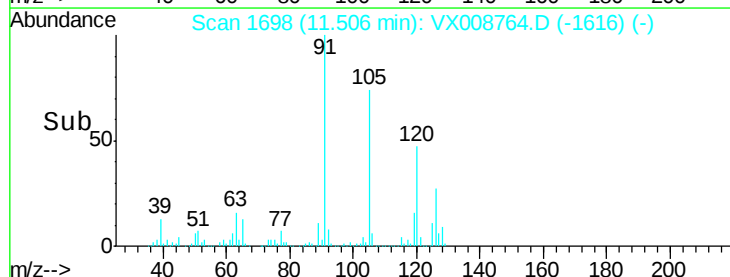
105 100

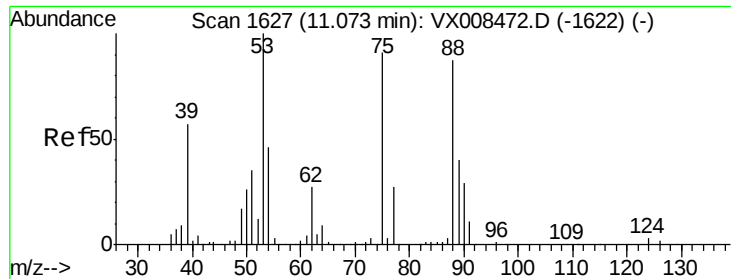
120 47.5 0.0 101.0



Abundance Ion 105.00 (104.70 to 105.70): VX008472.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX008472.D (-1692) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 21.026 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008764.D

Acq: 09 Apr 2019 11:52

Instrument :

MSVOA_X

ClientSampled :

VX0409WBSD01

Tot Ion: 75 Resp: 30227

Ion Ratio Lower Upper

75 100

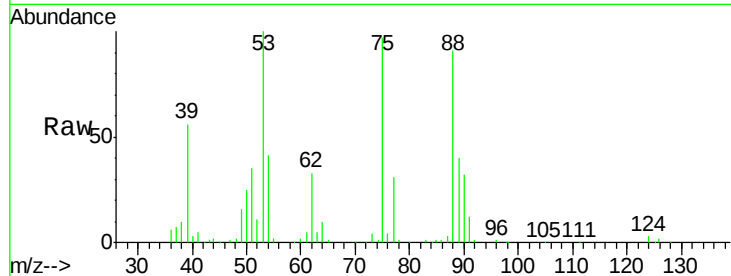
53 102.8 55.5 166.7

89 41.5 24.4 73.2

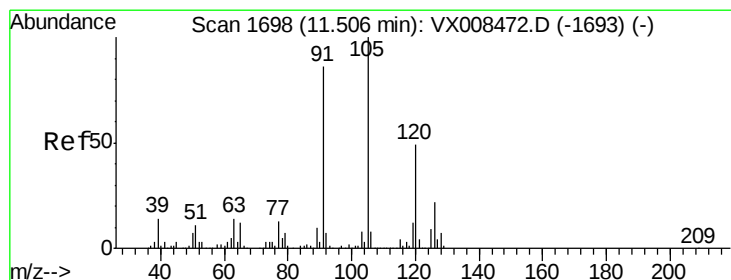
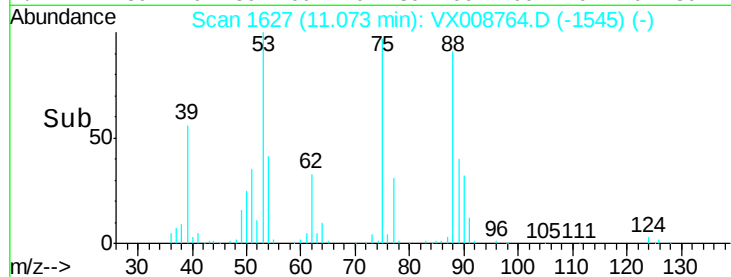
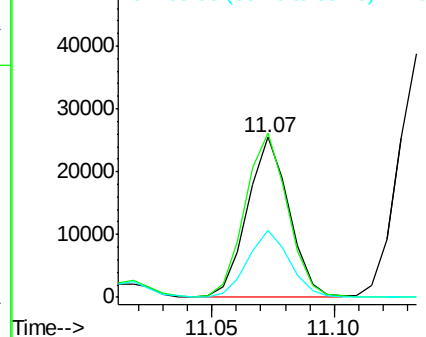
Manual Integrations
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Abundance Ion 75.00 (74.70 to 75.70): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 19.419 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX008764.D

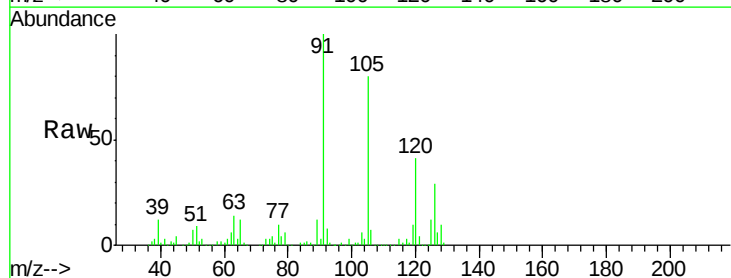
Acq: 09 Apr 2019 11:52

Tgt Ion: 91 Resp: 187999

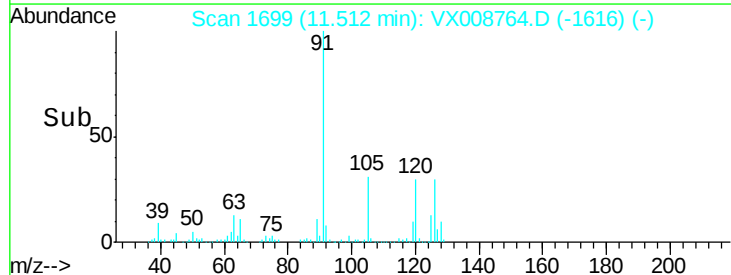
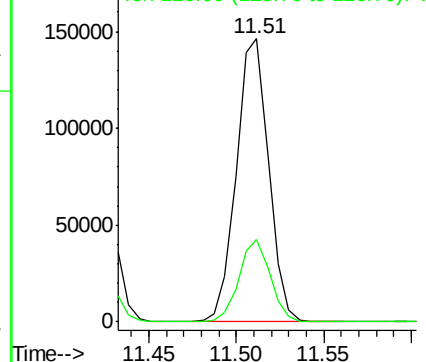
Ion Ratio Lower Upper

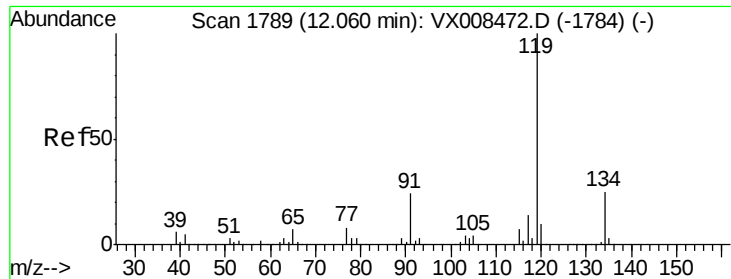
91 100

126 28.1 0.0 66.2



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 126.00 (125.70 to 126.70): V





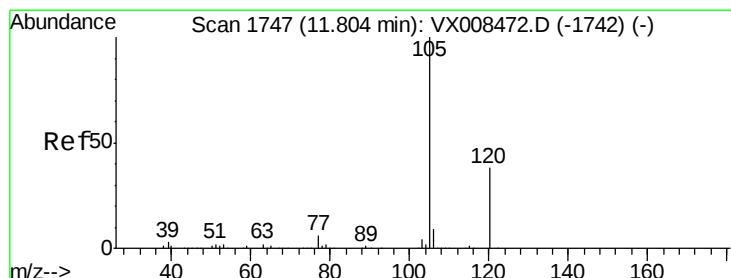
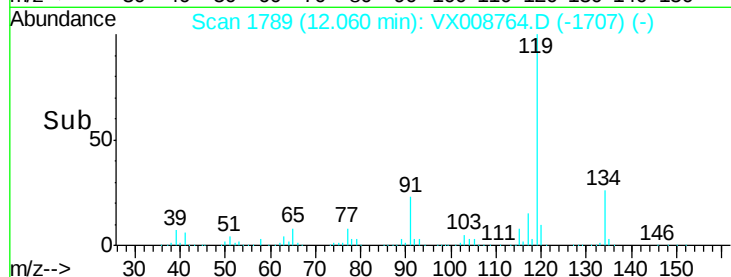
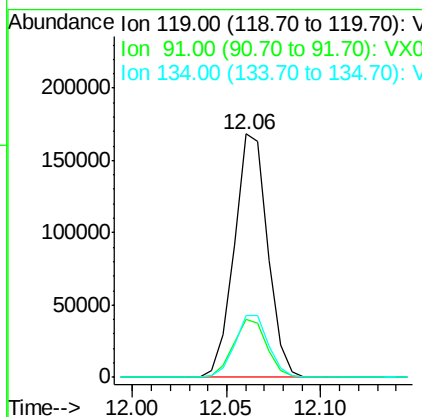
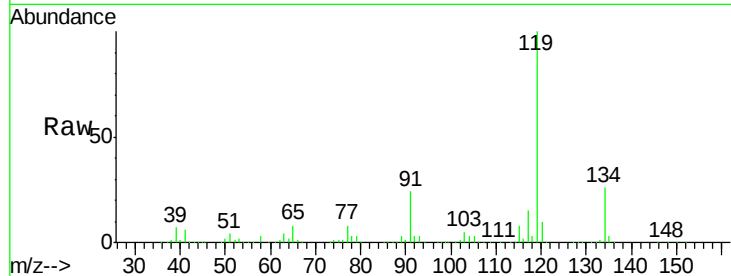
#79
tert-butylbenzene
Concen: 19.960 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX008764.D
Acq: 09 Apr 2019 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0409WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	206983		
91	23.6	0.0	45.0	
134	25.5	0.0	55.4	

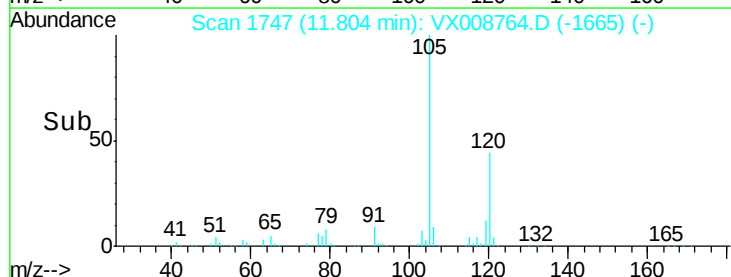
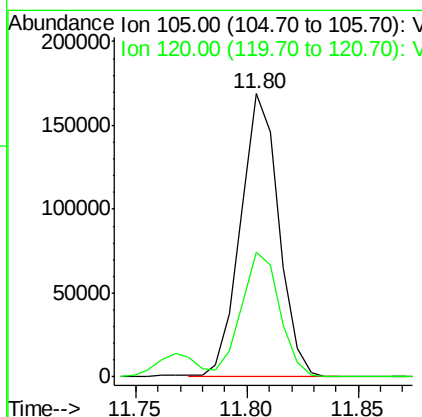
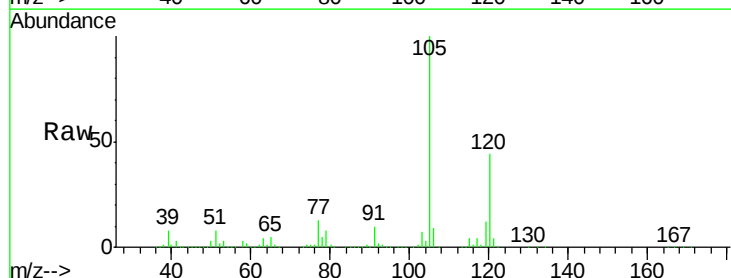
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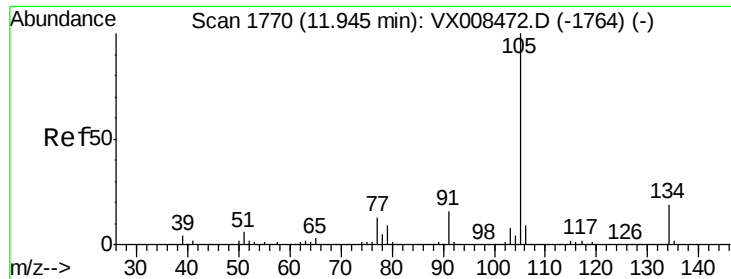
MMDadoda
4/10/2019 4:21:05 PM



#80
1,2,4-Trimethylbenzene
Concen: 20.009 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX008764.D
Acq: 09 Apr 2019 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	202443		
120	44.1	0.0	94.0	





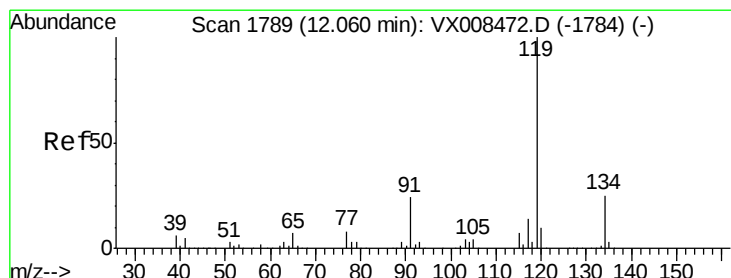
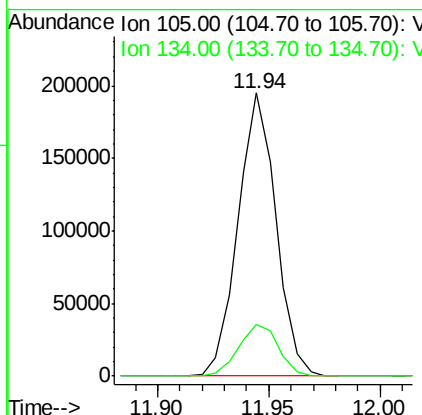
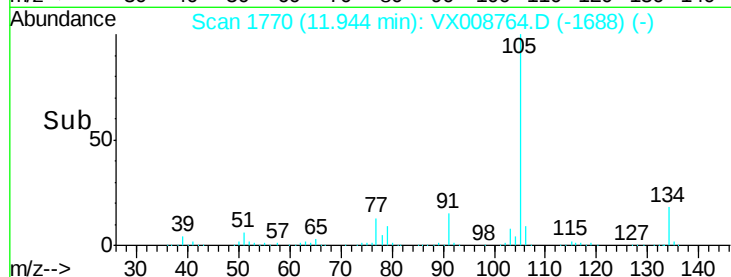
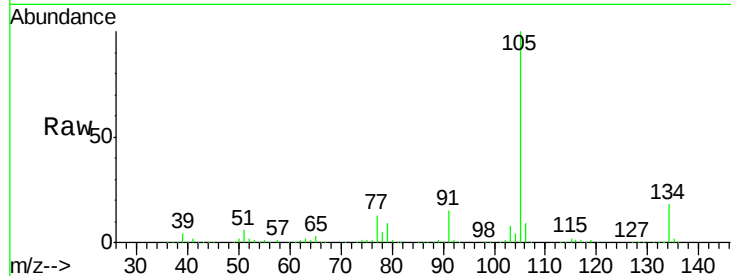
#81
 sec-Butylbenzene
 Concen: 19.968 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX008764.D
 Acq: 09 Apr 2019 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0409WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.1	0.0	41.8

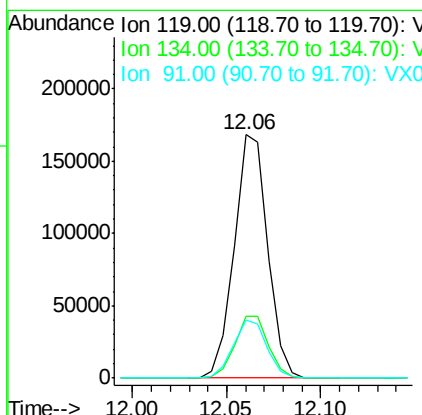
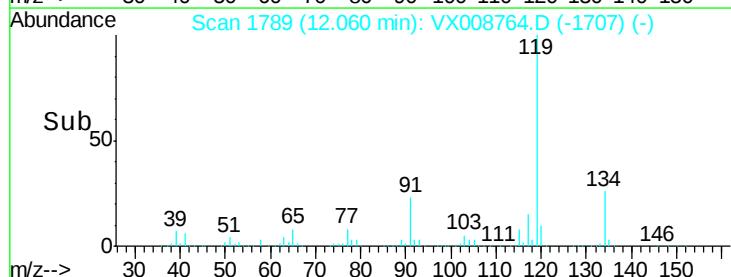
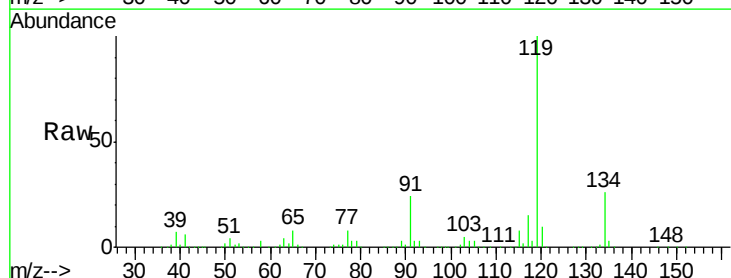
Manual Integrations
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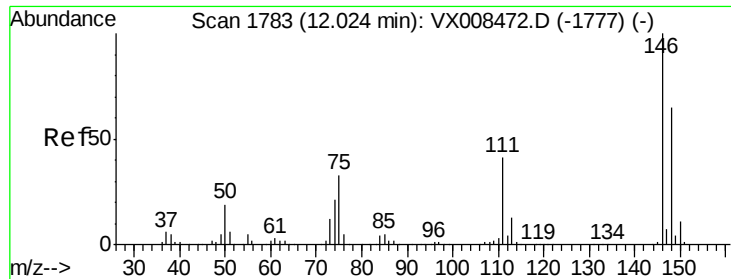
MMDadoda
 4/10/2019 4:21:05 PM



#82
 p-Isopropyltoluene
 Concen: 19.960 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX008764.D
 Acq: 09 Apr 2019 11:52

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.5	0.0	55.4
91	23.6	0.0	45.0





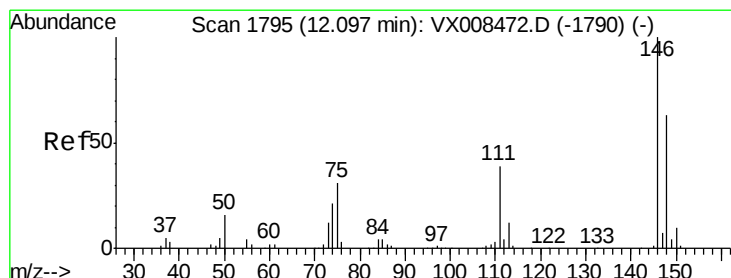
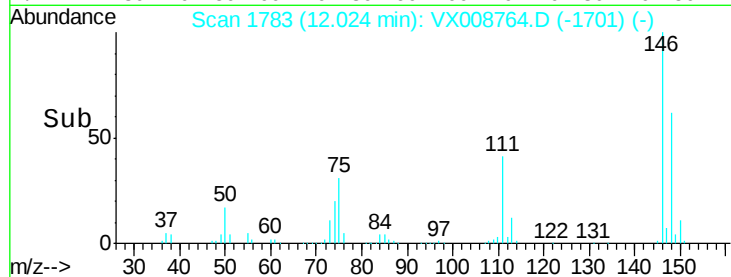
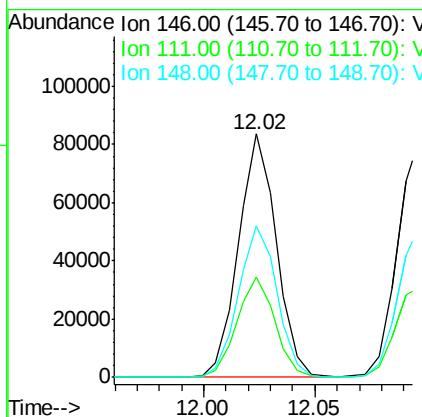
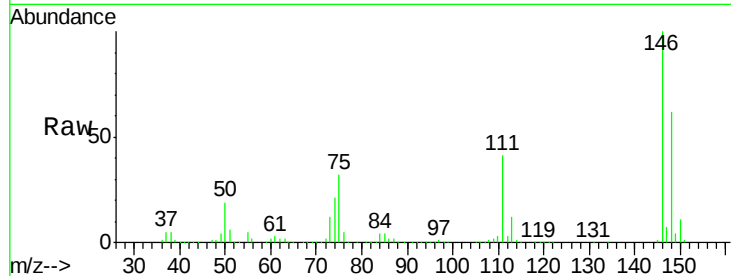
#83
 1,3-Dichlorobenzene
 Concen: 19.808 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008764.D
 Acq: 09 Apr 2019 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0409WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	18.8	56.3
148	63.8	30.6	91.8

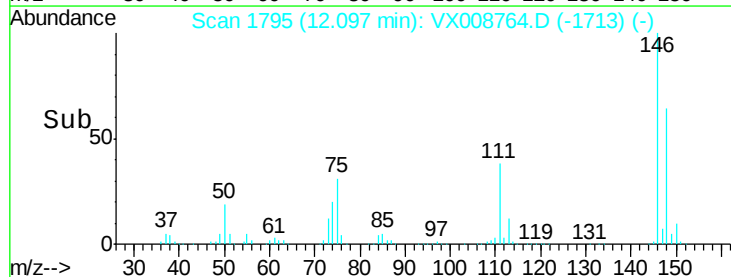
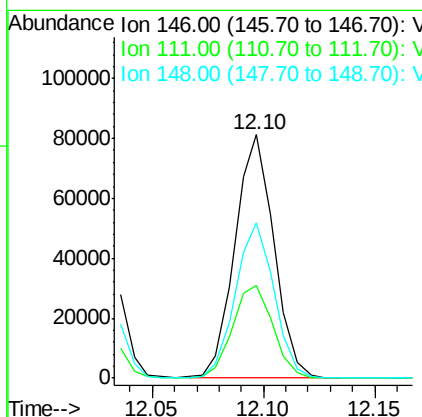
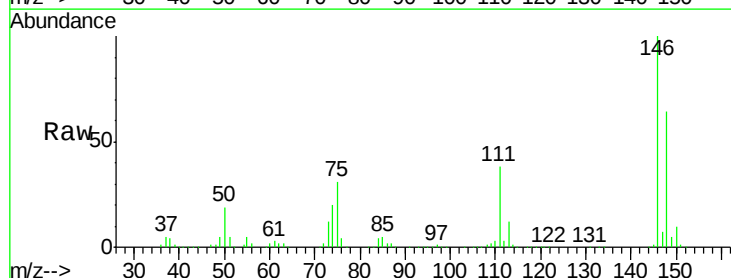
Manual Integrations
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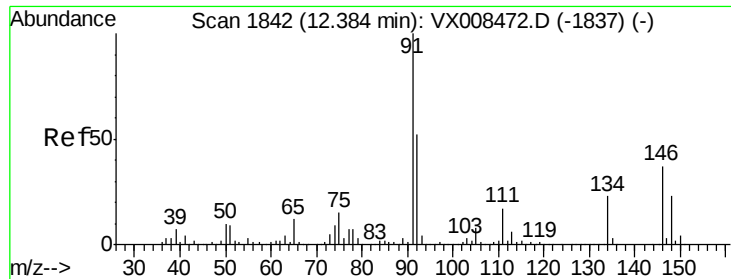
MMDadoda
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#84
 1,4-Dichlorobenzene
 Concen: 19.739 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008764.D
 Acq: 09 Apr 2019 11:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	17.6	52.8
148	63.8	31.4	94.2





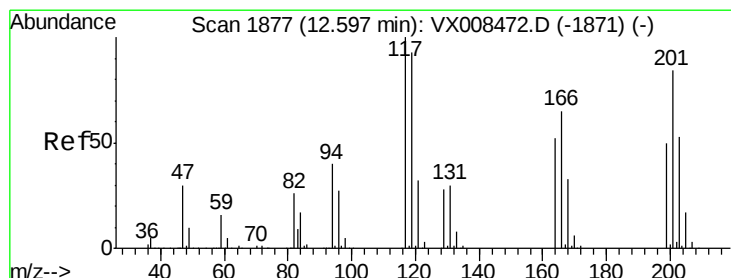
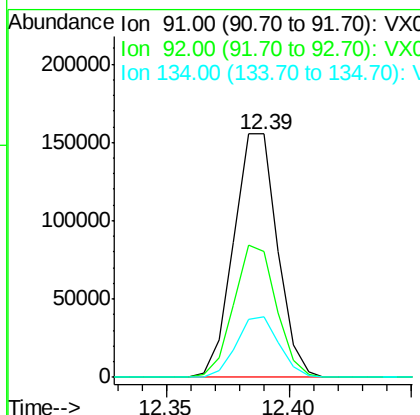
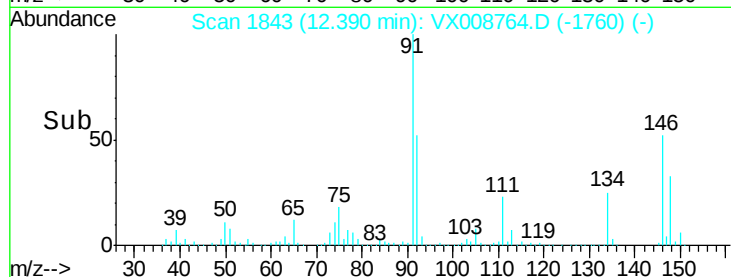
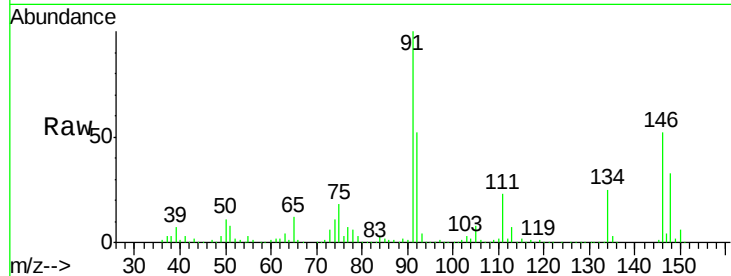
#85
n-Butylbenzene
Concen: 19.540 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX008764.D
Acq: 09 Apr 2019 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0409WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		192519		
92	53.3	0.0	105.2		
134	24.4	0.0	56.4		

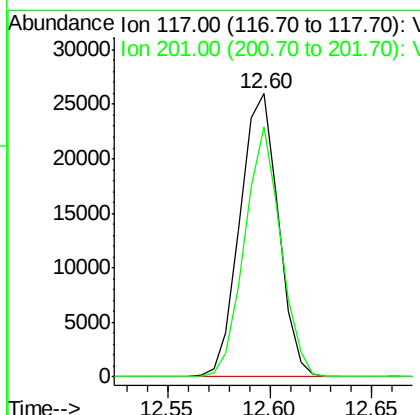
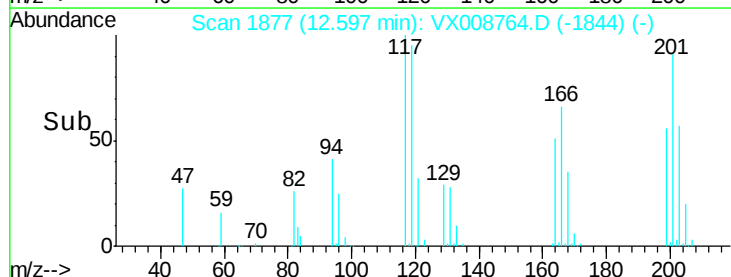
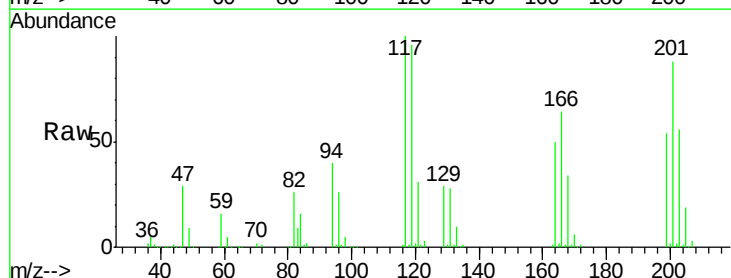
Manual Integrations
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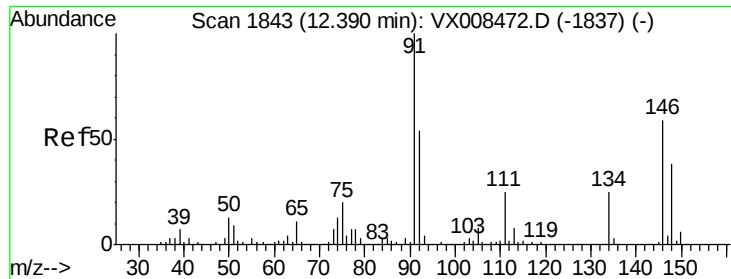
MMDadoda
4/10/2019 4:21:05 PM



#86
Hexachloroethane
Concen: 19.616 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008764.D
Acq: 09 Apr 2019 11:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		33987		
201	83.1	41.1	123.3		





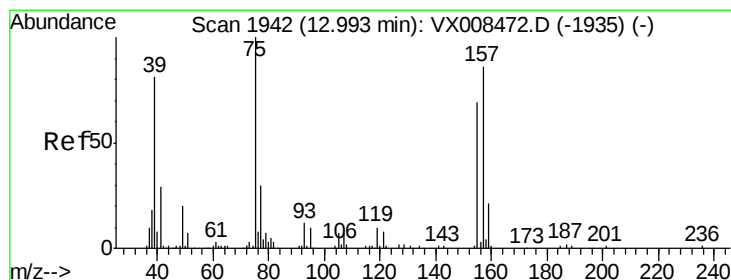
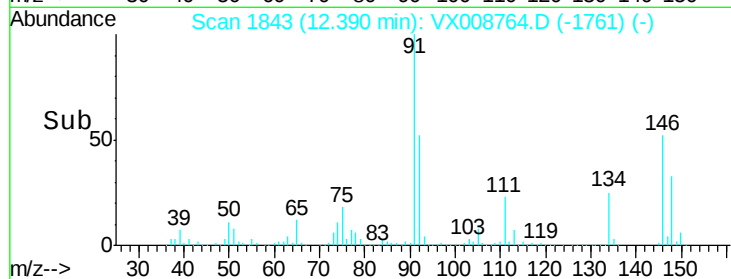
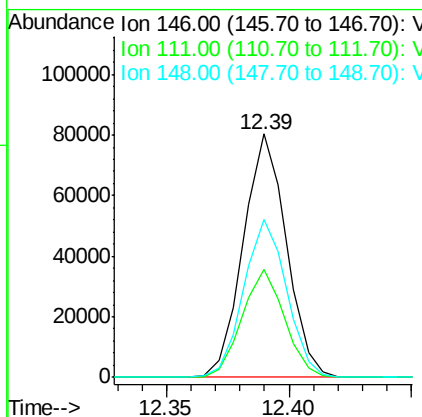
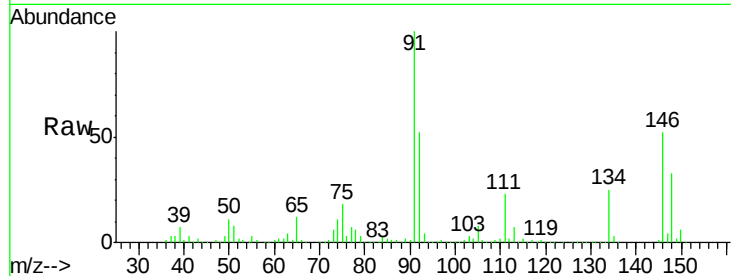
#87
 1,2-Dichlorobenzene
 Concen: 19.460 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008764.D
 Acq: 09 Apr 2019 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0409WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	19.3	57.8
148	64.9	32.1	96.3

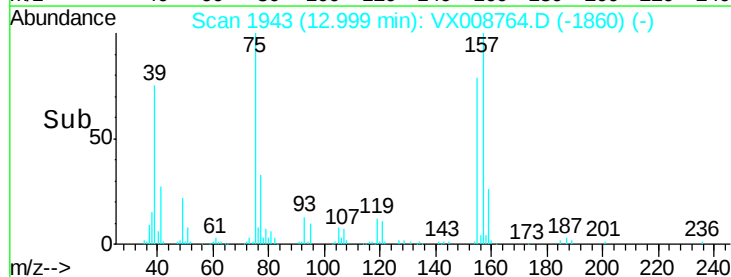
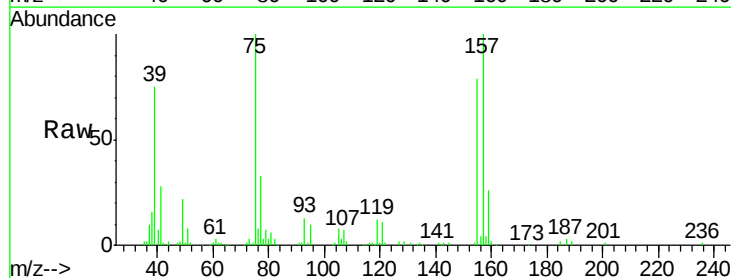
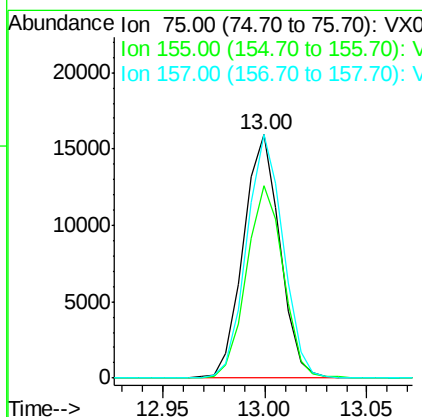
Manual Integrations
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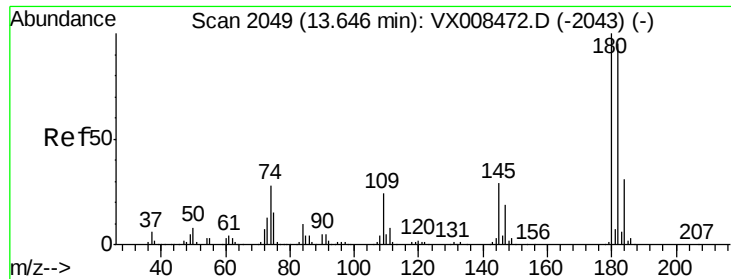
MMDadoda
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.220 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.01 min
 Lab File: VX008764.D
 Acq: 09 Apr 2019 11:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.3	81.0	121.6#
157	99.8	103.2	154.8#





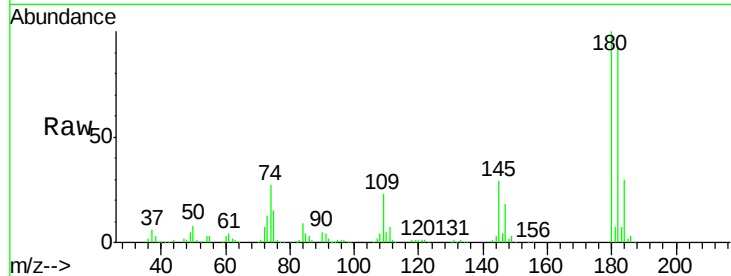
#89
1,2,4-Trichlorobenzene
Concen: 19.784 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX008764.D
Acq: 09 Apr 2019 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0409WBSD01

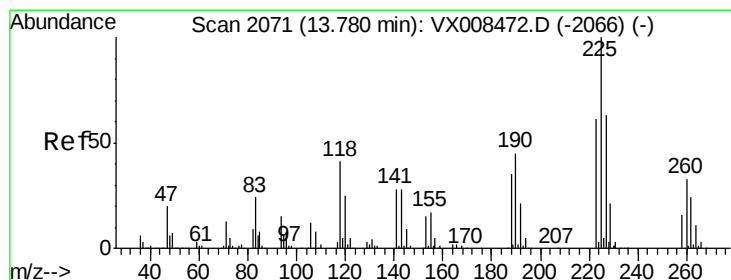
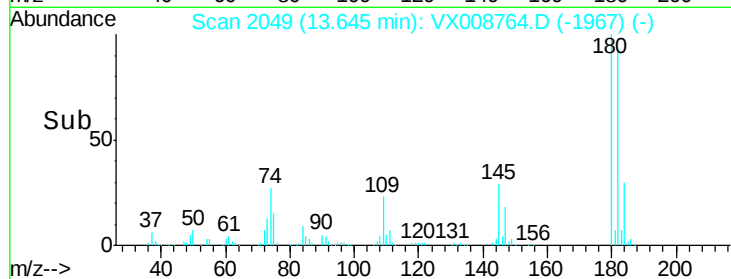
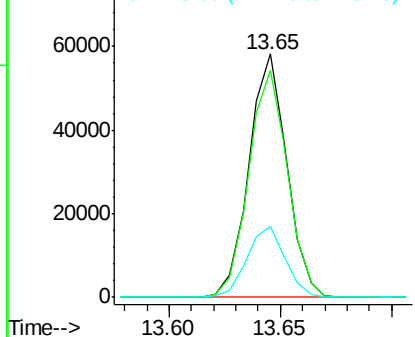
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.6	113.4
145	29.7	23.0	34.6

Manual Integrations
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4/10/2019 4:21:05 PM

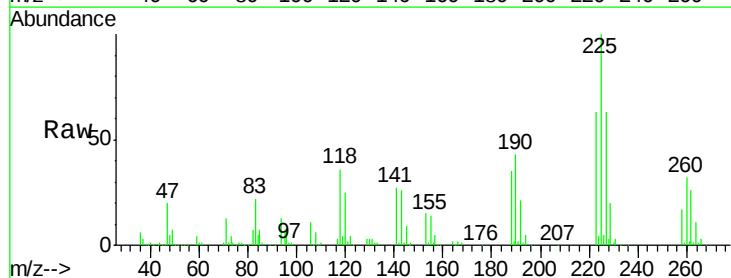


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

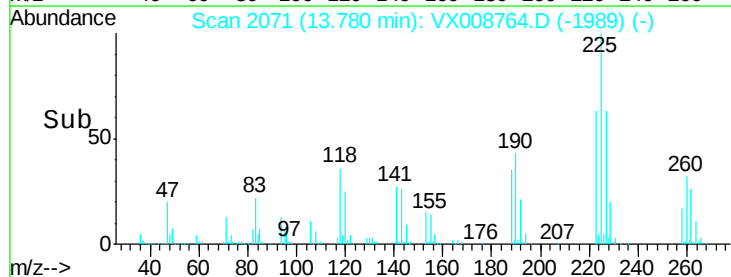
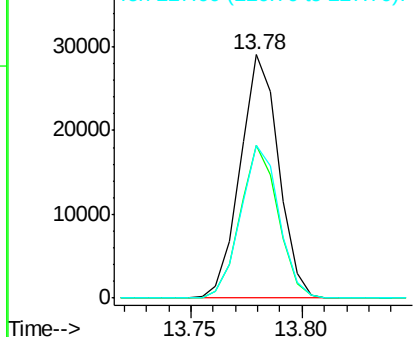


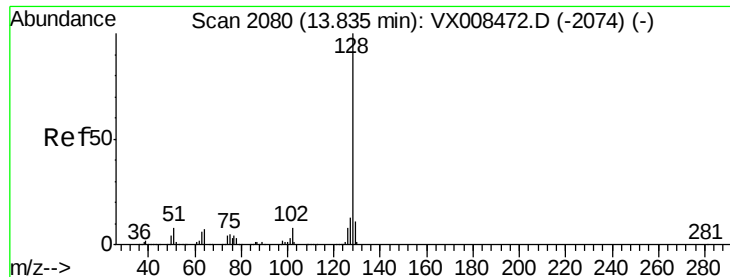
#90
Hexachlorobutadiene
Concen: 20.830 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX008764.D
Acq: 09 Apr 2019 11:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	0.0	123.8
227	63.0	0.0	124.4



Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 19.718 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008764.D

Acq: 09 Apr 2019 11:52

Instrument :

MSVOA_X

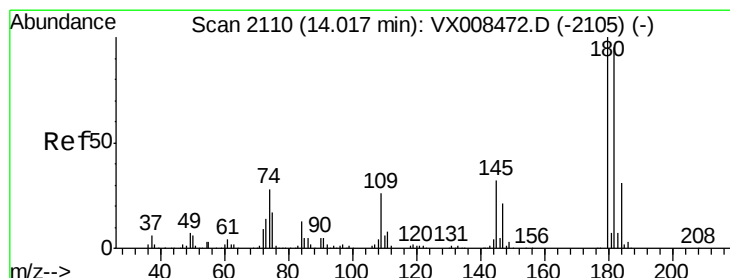
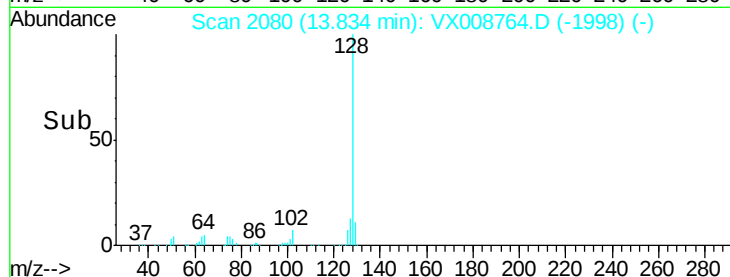
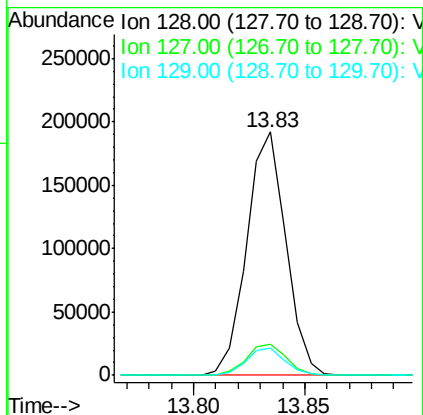
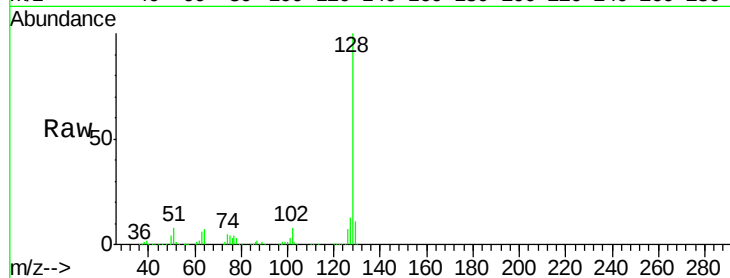
ClientSampleID :

VX0409WBSD01

Tot Ion:	128	Resp:	235389
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	11.2	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
4/10/2019 4:21:05 PM



#92

1,2,3-Trichlorobenzene

Concen: 20.125 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX008764.D

Acq: 09 Apr 2019 11:52

Tgt Ion:	180	Resp:	70634
Ion	Ratio	Lower	Upper
180	100		
182	94.3	0.0	193.0
145	30.4	0.0	63.0

