

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031819\
 Data File : VX008170.D
 Acq On : 18 Mar 2019 17:20
 Operator : JC/SP
 Sample : VX0318WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0318WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/19/2019 9:37:34 AM

Quant Time: Mar 19 03:21:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X031819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Mar 18 14:34:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	51762	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	290081	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	249694	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	131358	30.51	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.70%
60) 4-Bromofluorobenzene	11.13	95	123863	29.72	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.07%
63) Toluene-d8	8.71	98	367984	30.33	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	42349	18.259 ug/l	98
3) Chloromethane	1.33	50	53438	18.278 ug/l	94
4) Vinyl Chloride	1.41	62	54886	18.206 ug/l	100
5) Bromomethane	1.64	94	34064	14.191 ug/l	100
6) Chloroethane	1.73	64	34472	18.291 ug/l	98
7) Trichlorofluoromethane	1.93	101	70022	18.447 ug/l	99
8) Diethyl Ether	2.19	74	39229	19.140 ug/l	83
9) 1,1,2-Trichlorotrifluoroet	2.39	101	48745	18.932 ug/l	92
10) 1,1-Dichloroethene	2.38	96	46345	19.054 ug/l	83
11) Methyl Iodide	2.51	142	57911	18.706 ug/l	98
12) Methyl Acetate	2.78	43	77923	19.574 ug/l	91
13) Acrolein	2.29	56	47974	78.364 ug/l	98
14) Acrylonitrile	3.14	53	165510	93.695 ug/l	99
15) Acetone	2.45	58	48814	86.005 ug/l	87
16) Carbon Disulfide	2.57	76	142787	18.415 ug/l	100
17) Allyl chloride	2.73	41	98404	18.511 ug/l	96
18) Methylene Chloride	2.86	84	54654	19.284 ug/l	86
19) trans-1,2-Dichloroethene	3.17	96	50010	19.139 ug/l	96
20) Diisopropyl ether	3.86	45	201293	19.335 ug/l #	93
21) 1,1-Dichloroethane	3.70	63	102967	19.380 ug/l	95
22) cis-1,2-Dichloroethene	4.60	96	57512	19.306 ug/l #	82
23) tert-Butyl Alcohol	3.04	59	62147	95.493 ug/l #	100
24) Methyl tert-Butyl Ether	3.20	73	169762	19.240 ug/l	97
25) Chloroform	5.21	83	97152	19.383 ug/l	94
26) Cyclohexane	5.59	56	94544	18.665 ug/l #	85
29) 1,1-Dichloropropene	5.81	75	72109	18.678 ug/l	94
30) 2-Butanone	4.68	43	244744	90.434 ug/l	95
31) 2,2-Dichloropropane	4.59	77	71904	18.466 ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	79305	19.393 ug/l #	94
33) Carbon Tetrachloride	5.79	117	65018	18.945 ug/l	97
34) Benzene	6.15	78	222146	19.242 ug/l #	97
35) Methacrylonitrile	5.04	41	51872m	19.700 ug/l	
36) 1,2-Dichloroethane	6.20	62	82913	19.787 ug/l	97
37) Trichloroethene	7.21	130	51997	18.901 ug/l	81
38) Methylcyclohexane	7.46	83	83890	17.889 ug/l	89
39) 1,2-Dichloropropane	7.51	63	61600	19.592 ug/l	97
40) Dibromomethane	7.66	93	37608	19.537 ug/l	89

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.90	83	71452	19.196	ug/l	96
42) Vinyl Acetate	3.82	43	876961	96.352	ug/l #	94
43) Ethyl Acetate	4.84	43	91731	19.118	ug/l #	84
44) Isopropyl Acetate	6.45	43	139665	18.767	ug/l	99
45) 1,4-Dioxane	7.74	88	26685	383.845	ug/l #	85
46) Methyl methacrylate	7.77	41	74392	18.945	ug/l	89
47) n-amyl Acetate	10.90	43	117721	18.512	ug/l	98
48) t-1,3-Dichloropropene	9.04	75	74585	18.129	ug/l	96
49) cis-1,3-Dichloropropene	8.43	75	85922	18.772	ug/l	93
50) 1,1,2-Trichloroethane	9.21	97	55513	20.086	ug/l	95
51) Ethyl methacrylate	9.18	69	85710	19.130	ug/l	90
52) 1,3-Dichloropropane	9.37	76	95716	19.342	ug/l	100
53) Dibromochloromethane	9.58	129	50309	18.826	ug/l	100
54) 1,2-Dibromoethane	9.67	107	55993	19.412	ug/l	97
55) 2-Chloroethyl vinyl ether	8.31	63	318925	99.983	ug/l	95
56) Bromoform	10.86	173	35127	18.270	ug/l #	97
58) 4-Methyl-2-Pentanone	8.64	43	471466	98.727	ug/l	96
59) 2-Hexanone	9.49	43	359286	95.359	ug/l	97
61) Tetrachloroethene	9.34	164	50767	20.188	ug/l	96
62) Toluene	8.79	91	229856	19.465	ug/l	99
64) Chlorobenzene	10.14	112	134881	19.192	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.22	131	48621	19.729	ug/l	97
66) Ethyl Benzene	10.25	91	240854	19.096	ug/l	96
67) m/p-Xylenes	10.36	106	176152	37.805	ug/l	90
68) o-Xylene	10.70	106	85825	19.168	ug/l	91
69) Styrene	10.71	104	139833	19.173	ug/l	96
70) Isopropylbenzene	11.02	105	230569	19.098	ug/l	96
71) 1,1,2,2-Tetrachloroethane	11.27	83	85480	20.213	ug/l	97
72) 1,2,3-Trichloropropane	11.29	75	84954m	23.296	ug/l	
73) Bromobenzene	11.26	156	54917	19.215	ug/l	81
74) n-propylbenzene	11.36	91	266451	18.641	ug/l	95
75) 2-Chlorotoluene	11.42	91	164227	19.557	ug/l	91
76) 1,3,5-Trimethylbenzene	11.51	105	191206	19.152	ug/l	95
77) t-1,4-Dichloro-2-butene	11.07	75	24059	18.360	ug/l	93
78) 4-Chlorotoluene	11.51	91	183436	18.964	ug/l	92
79) tert-butylbenzene	12.06	119	190015	18.690	ug/l	96
80) 1,2,4-Trimethylbenzene	11.80	105	193006	19.153	ug/l	95
81) sec-Butylbenzene	11.94	105	225357	18.902	ug/l	96
82) p-Isopropyltoluene	12.06	119	190015	18.690	ug/l	96
83) 1,3-Dichlorobenzene	12.02	146	95743	18.694	ug/l	95
84) 1,4-Dichlorobenzene	12.10	146	94927	18.675	ug/l	94
85) n-Butylbenzene	12.38	91	171917	17.933	ug/l	96
86) Hexachloroethane	12.60	117	32303	18.536	ug/l	94
87) 1,2-Dichlorobenzene	12.39	146	97428	19.091	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	13.00	75	17126	18.287	ug/l #	76
89) 1,2,4-Trichlorobenzene	13.65	180	61549	18.515	ug/l	98
90) Hexachlorobutadiene	13.78	225	31160	18.062	ug/l	98
91) Naphthalene	13.83	128	202296	18.788	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	61905	18.644	ug/l	99

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Instrument :
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ClientSampleId :
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QLast Update : Mon Mar 18 14:34:46 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

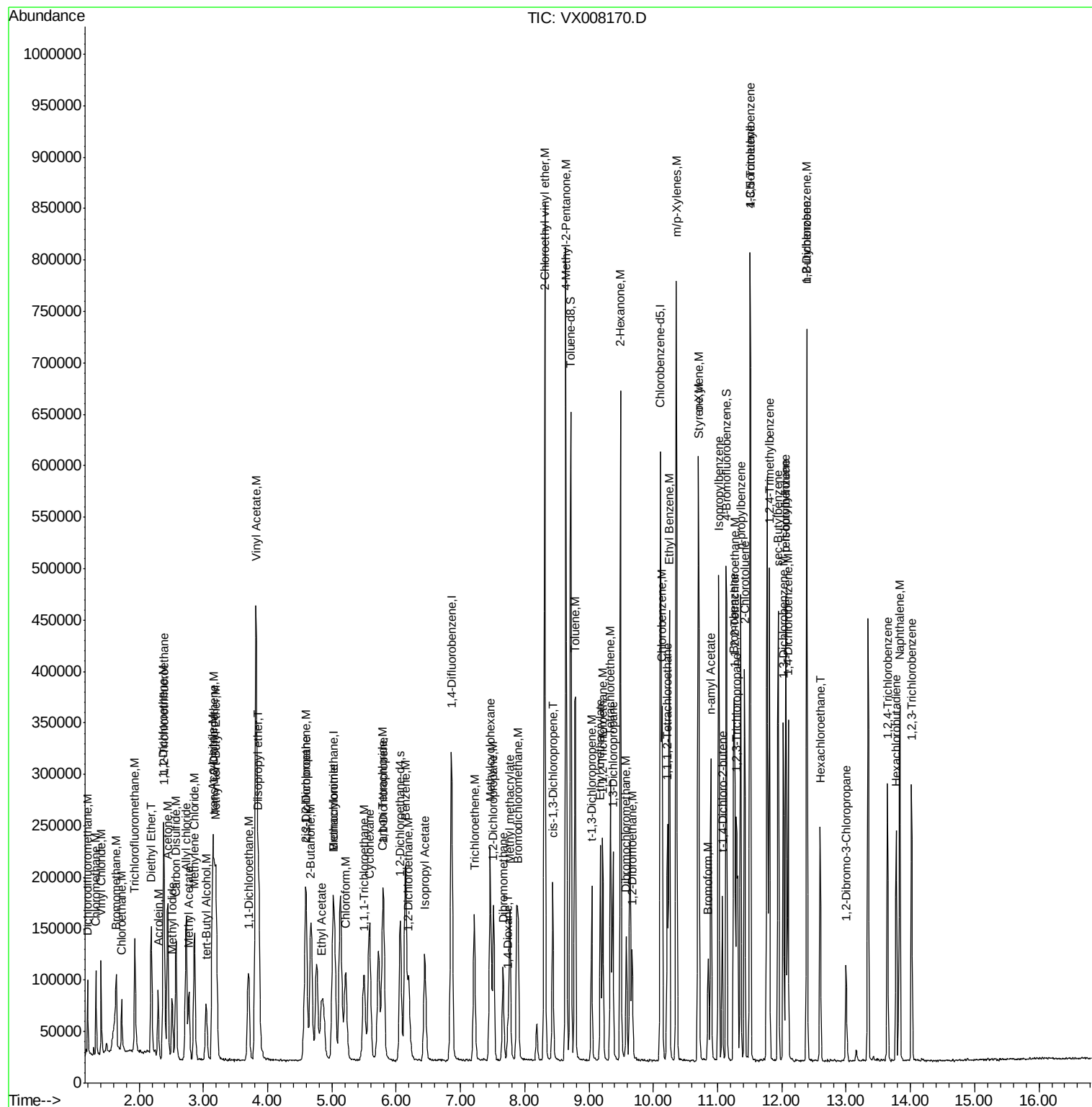
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX031819\
Data File : VX008170.D
Acq On : 18 Mar 2019 17:20
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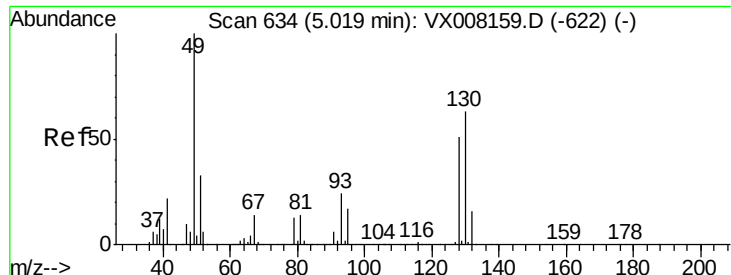
Instrument :
MSVOA_X
ClientSampleId :
VX0318WBSD01

Manual Integrations
APPROVED

MMDadoda
3/19/2019 9:37:34 AM

Quant Time: Mar 19 03:21:35 2019
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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: VX008170.D

Acq: 18 Mar 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

VX0318WBSD01

Tot Ion:128 Resp: 51762

Ion Ratio Lower Upper

128 100

49 200.4 0.0 350.8

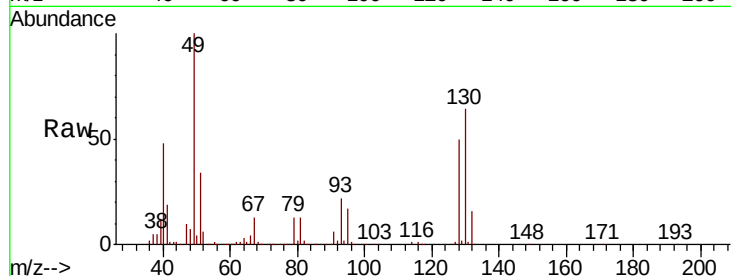
130 128.3 0.0 325.8

Manual Integrations

APPROVED

MMDadoda

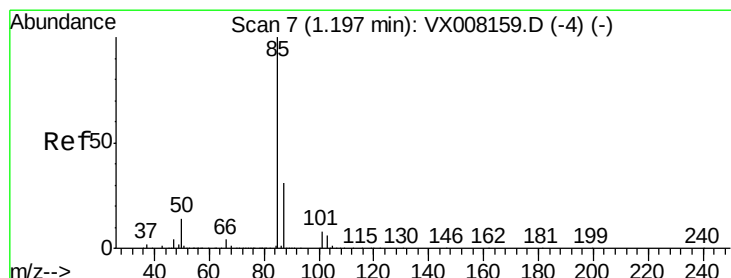
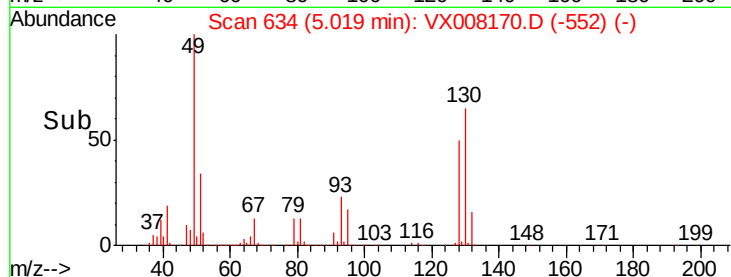
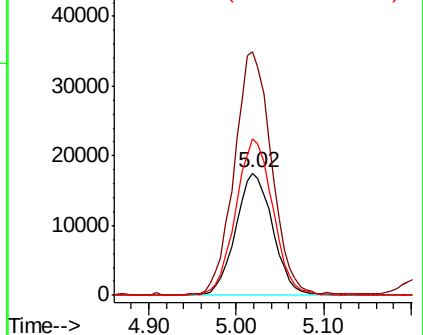
3/19/2019 9:37:34 AM



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: 18.259 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX008170.D

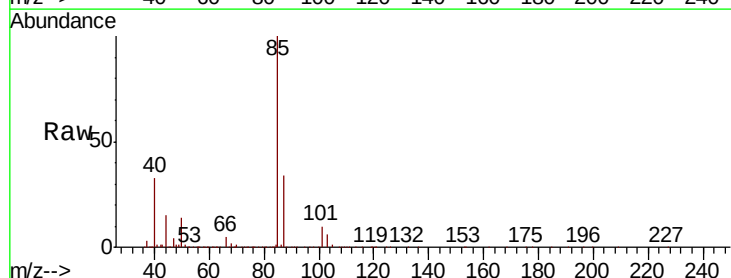
Acq: 18 Mar 2019 17:20

Tgt Ion: 85 Resp: 42349

Ion Ratio Lower Upper

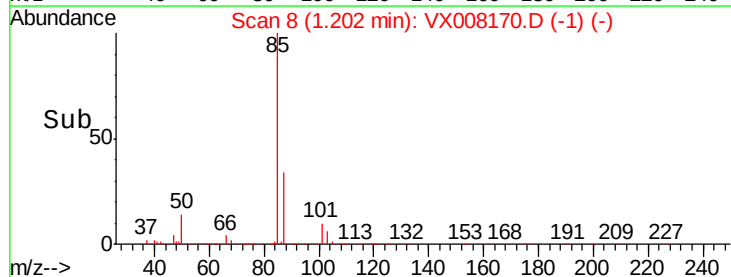
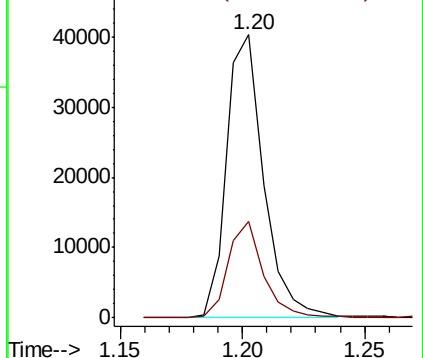
85 100

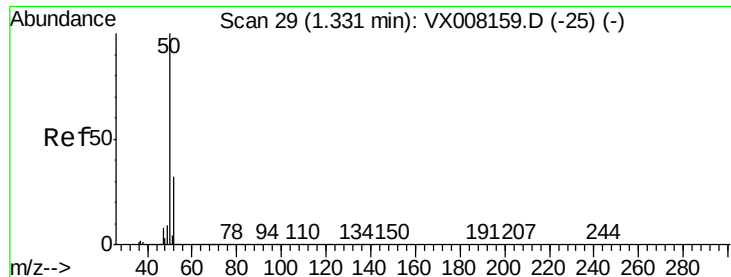
87 34.1 16.6 49.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 18.278 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX008170.D

Acq: 18 Mar 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

VX0318WBSD01

Tot Ion: 50 Resp: 53438

Ion Ratio Lower Upper

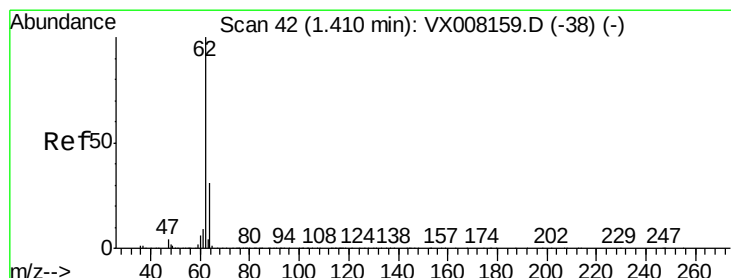
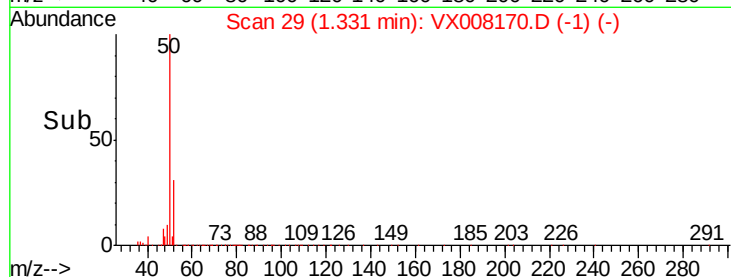
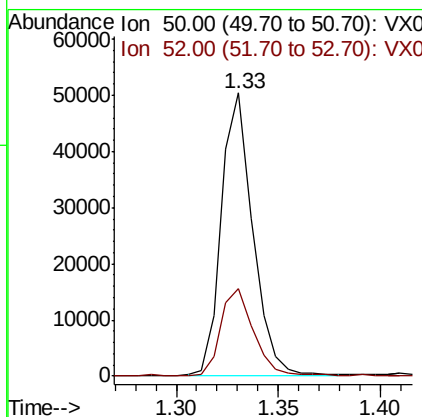
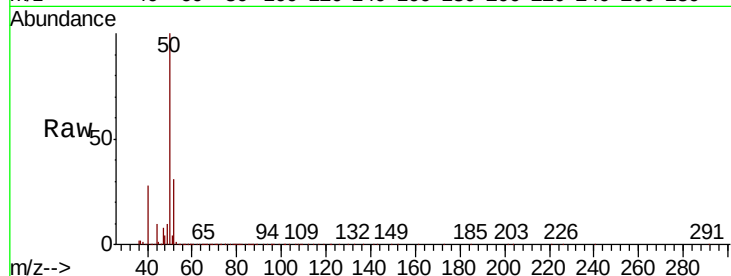
50 100

52 31.0 27.5 41.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 18.206 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008170.D

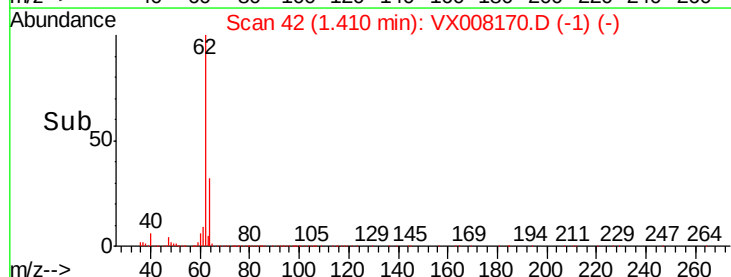
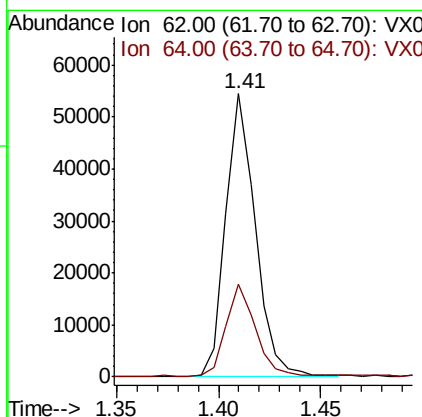
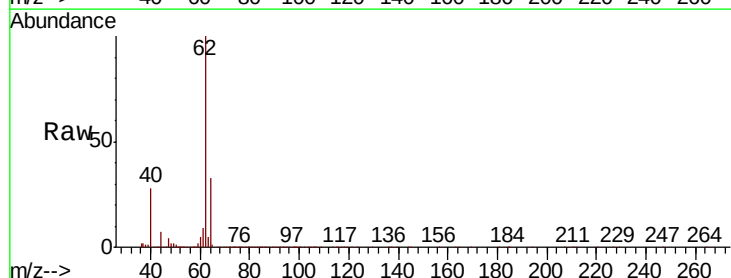
Acq: 18 Mar 2019 17:20

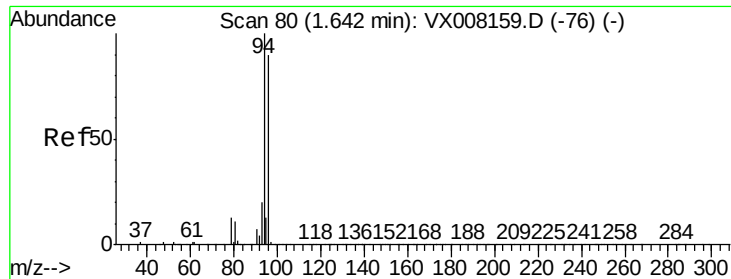
Tgt Ion: 62 Resp: 54886

Ion Ratio Lower Upper

62 100

64 32.4 25.9 38.9





#5

Bromomethane

Concen: 14.191 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX008170.D

Acq: 18 Mar 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

VX0318WBSD01

Tot Ion: 94 Resp: 34064

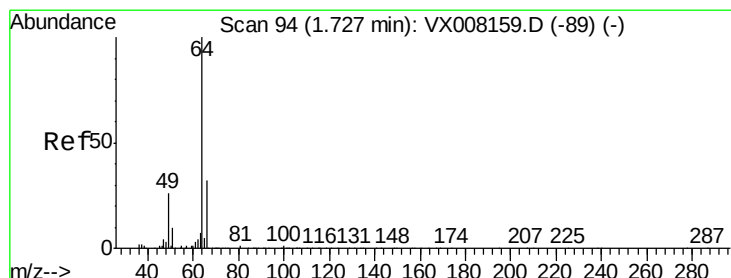
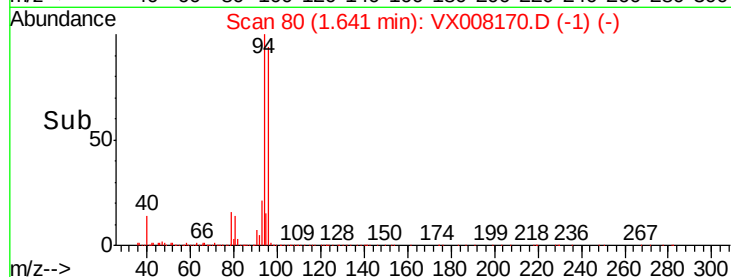
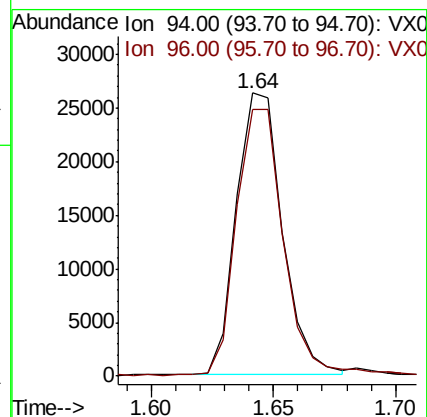
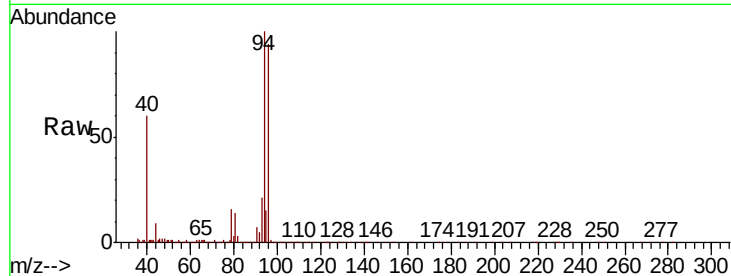
Ion Ratio Lower Upper

94 100

96 94.6 75.6 113.4

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#6

Chloroethane

Concen: 18.291 ug/l

RT: 1.73 min Scan# 94

Delta R.T. -0.00 min

Lab File: VX008170.D

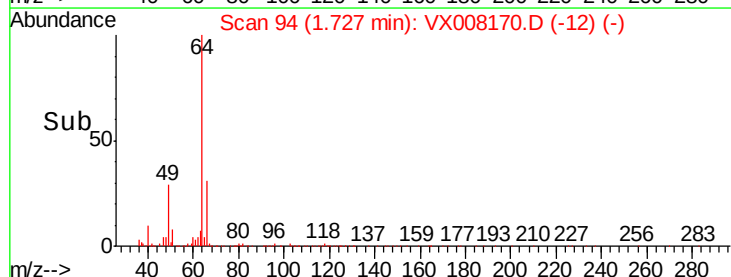
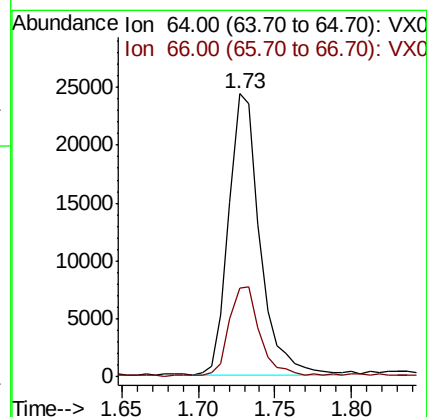
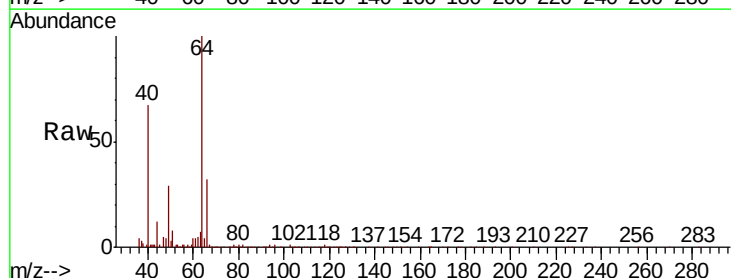
Acq: 18 Mar 2019 17:20

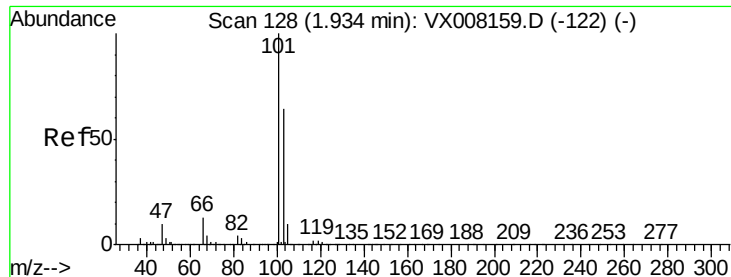
Tgt Ion: 64 Resp: 34472

Ion Ratio Lower Upper

64 100

66 31.2 23.9 35.9





#7

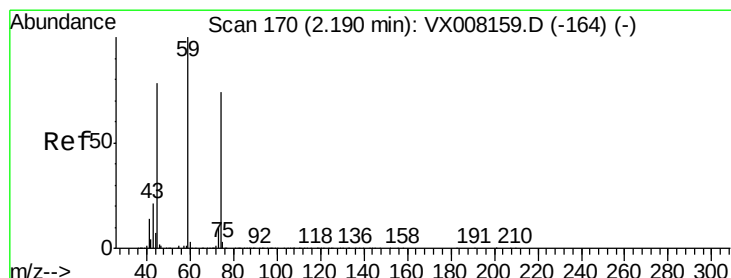
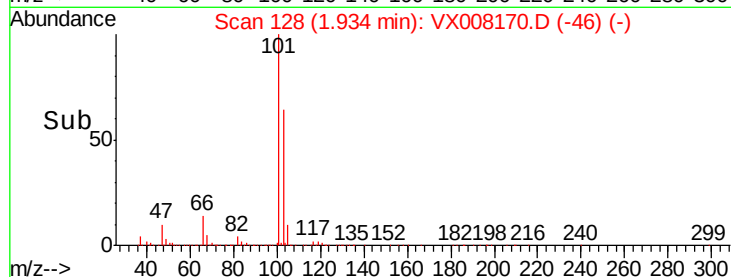
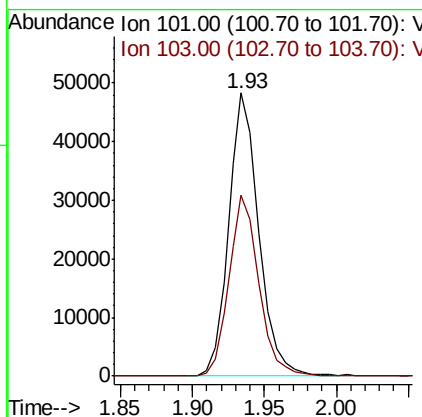
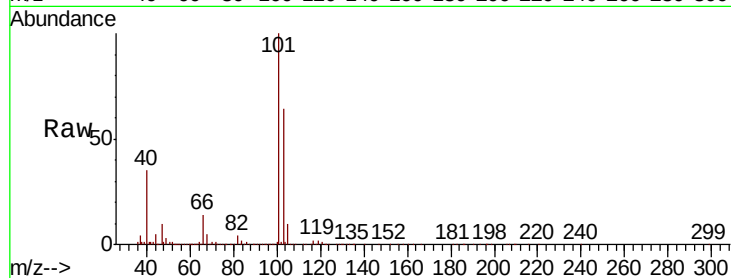
Trichlorofluoromethane
Concen: 18.447 ug/l
RT: 1.93 min Scan# 128
Delta R.T. -0.00 min
Lab File: VX008170.D
Acq: 18 Mar 2019 17:20

Instrument :
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ClientSampleId :
VX0318WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	50.4	75.6

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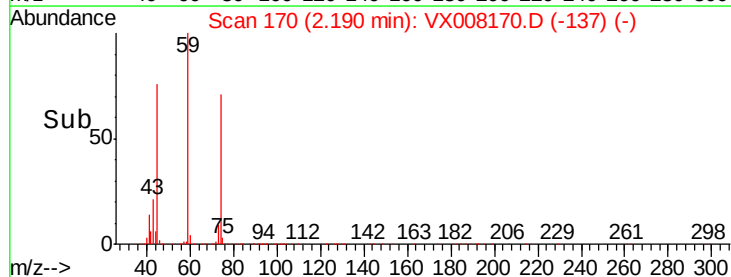
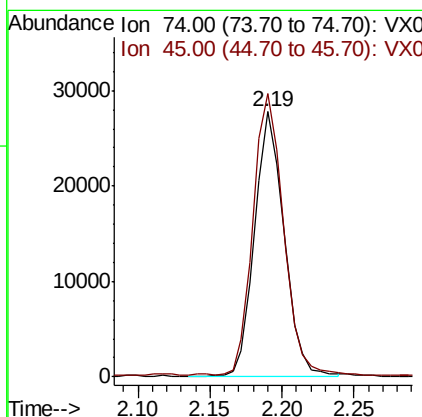
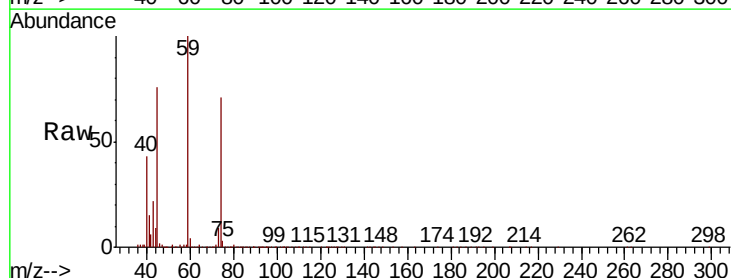
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3/19/2019 9:37:34 AM

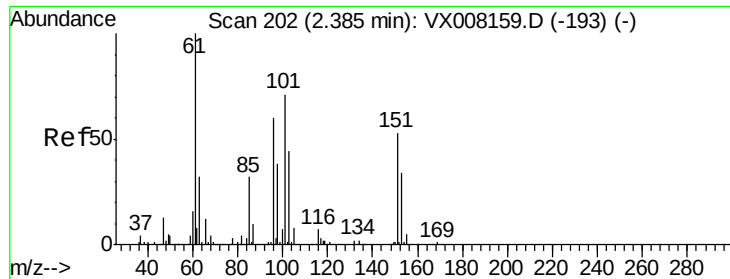


#8

Diethyl Ether
Concen: 19.140 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX008170.D
Acq: 18 Mar 2019 17:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.5	18.6	167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.932 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX008170.D

Acq: 18 Mar 2019 17:20

Instrument :

MSVOA_X

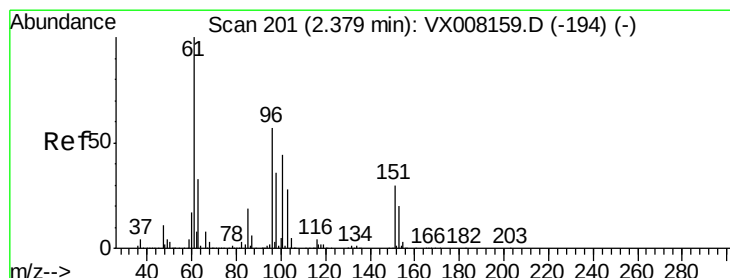
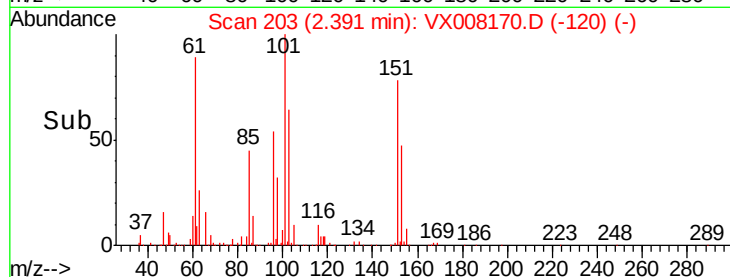
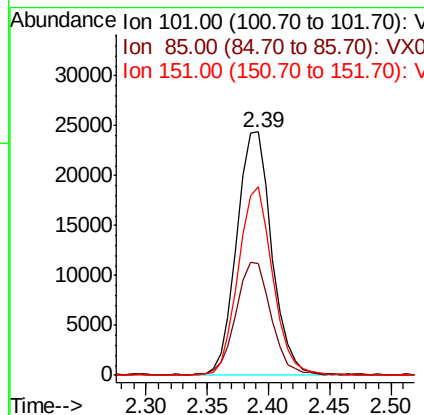
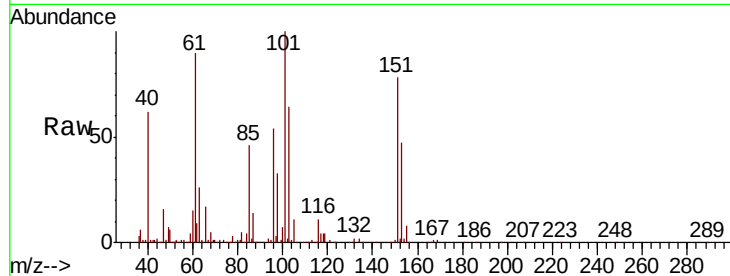
ClientSampleId :

VX0318WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	48745		
85	46.4	0.0	86.8	
151	75.7	0.0	169.2	

Manual Integrations
APPROVED

MMDadoda
3/19/2019 9:37:34 AM



#10

1,1-Dichloroethene

Concen: 19.054 ug/l

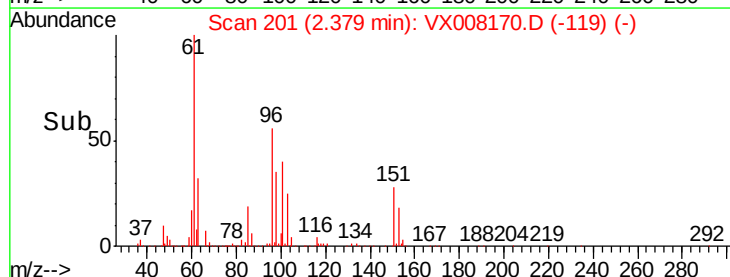
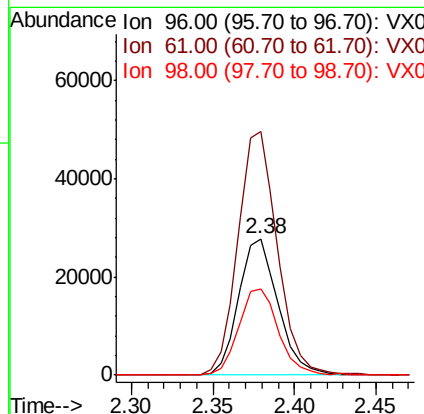
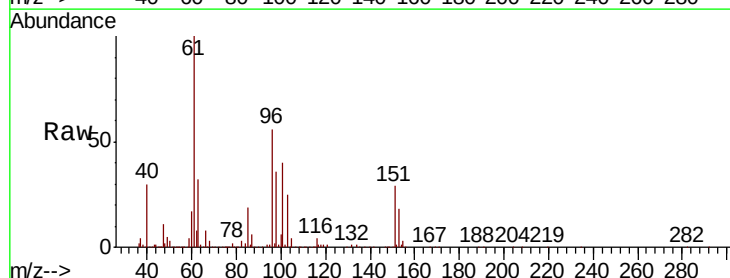
RT: 2.38 min Scan# 201

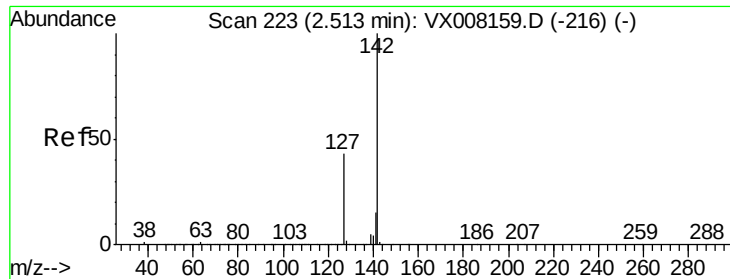
Delta R.T. -0.00 min

Lab File: VX008170.D

Acq: 18 Mar 2019 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	46345		
61	178.3	120.2	180.2	
98	63.4	49.0	73.4	





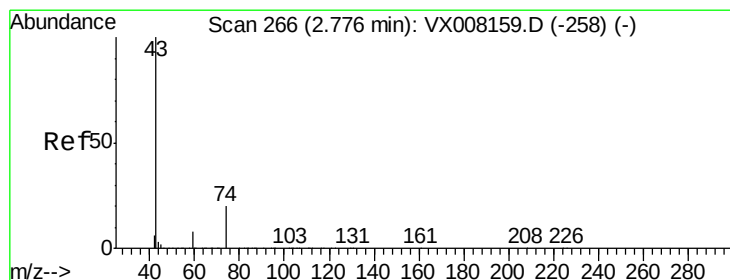
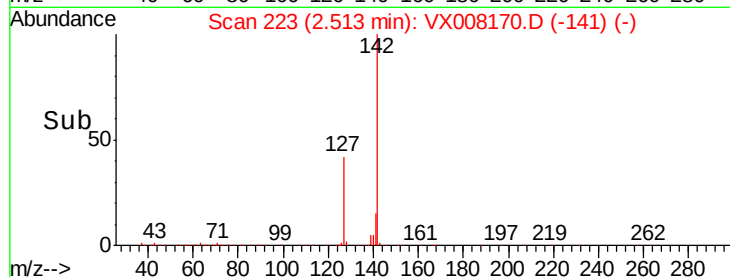
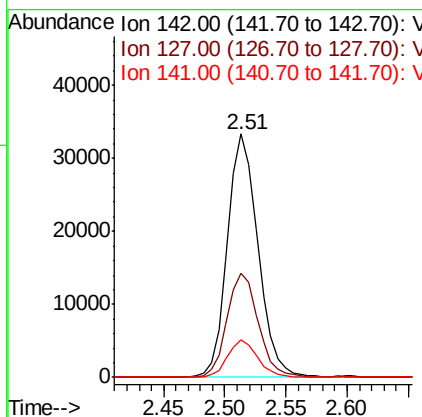
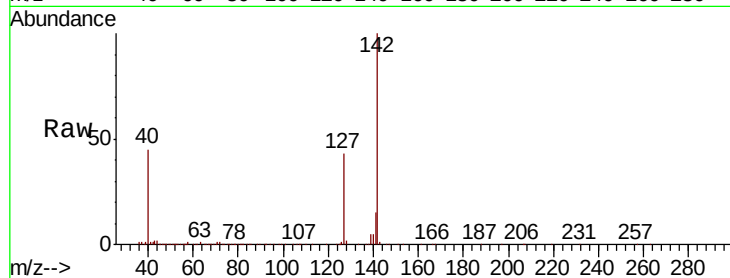
#11
Methvl Iodide
Concen: 18.706 ug/l
RT: 2.51 min Scan# 223
Delta R.T. -0.00 min
Lab File: VX008170.D
Acq: 18 Mar 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.4	22.1	66.5
141	15.3	7.4	22.3

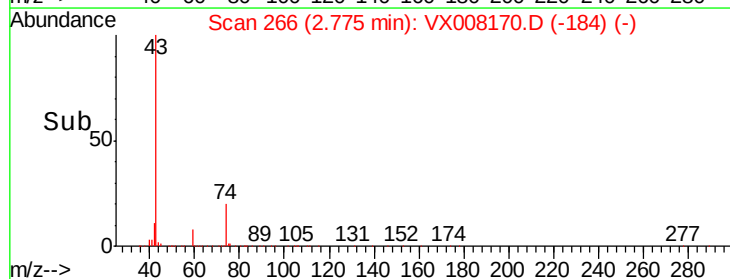
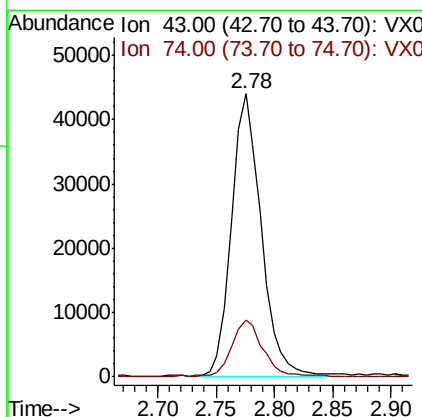
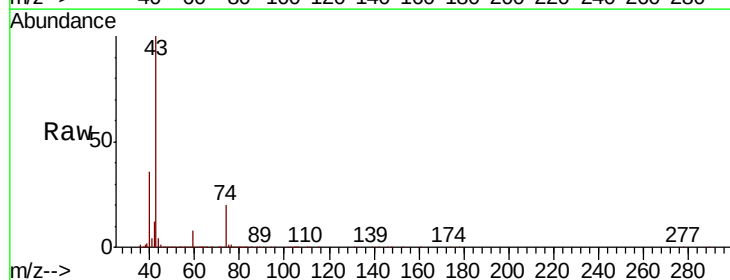
Manual Integrations
APPROVED

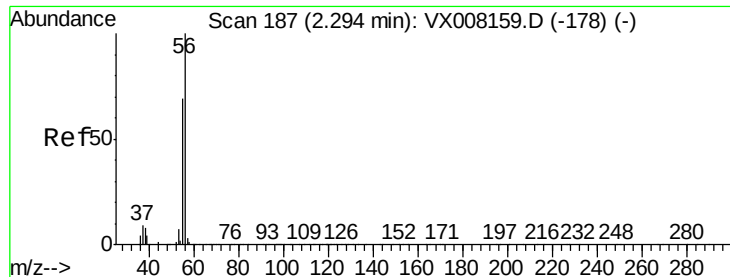
MMDadoda
3/19/2019 9:37:34 AM



#12
Methyl Acetate
Concen: 19.574 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX008170.D
Acq: 18 Mar 2019 17:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.8	19.4	29.0





#13

Acrolein

Concen: 78.364 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008170.D

Acq: 18 Mar 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

VX0318WBSD01

Tot Ion: 56 Resp: 47974

Ion Ratio Lower Upper

56 100

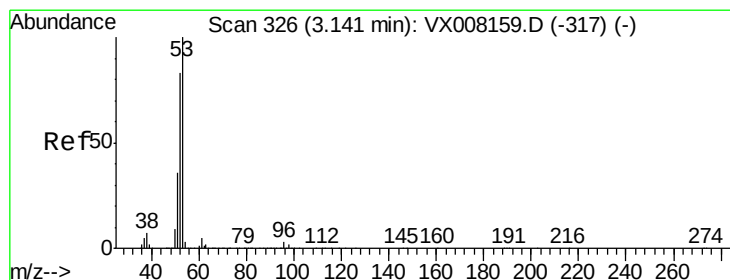
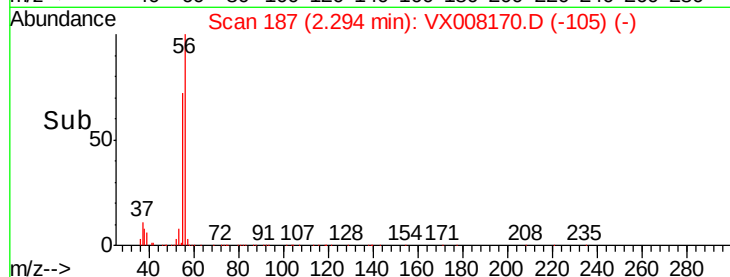
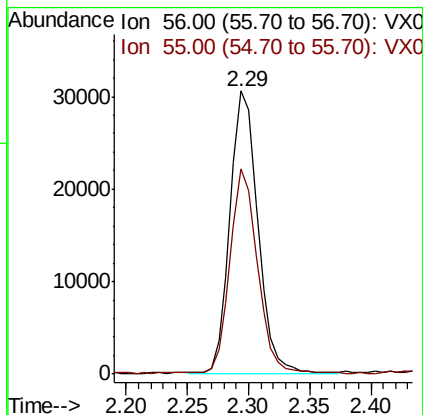
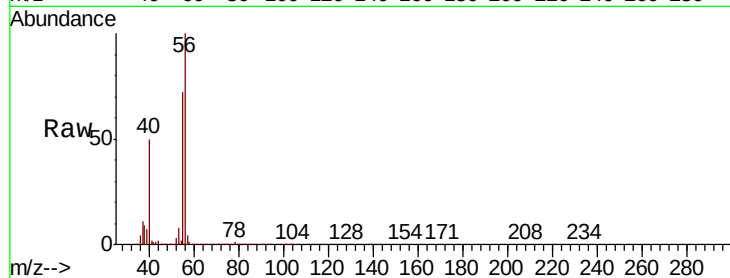
55 71.1 58.6 87.8

Manual Integrations

APPROVED

MMDadoda

3/19/2019 9:37:34 AM



#14

Acrylonitrile

Concen: 93.695 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX008170.D

Acq: 18 Mar 2019 17:20

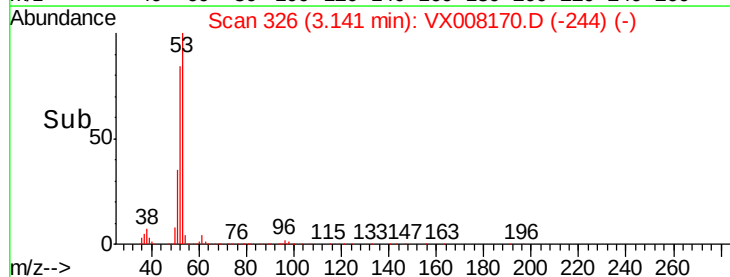
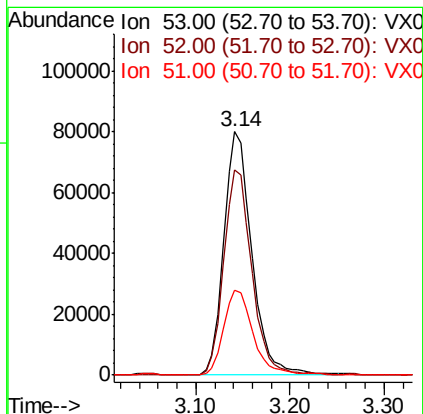
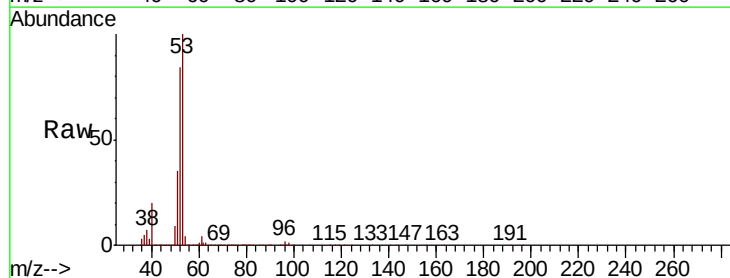
Tgt Ion: 53 Resp: 165510

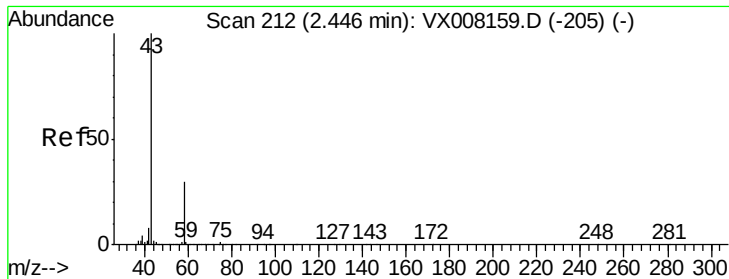
Ion Ratio Lower Upper

53 100

52 83.5 41.3 124.1

51 36.3 17.5 52.6





#15

Acetone

Concen: 86.005 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008170.D

Acq: 18 Mar 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

VX0318WBSD01

Tot Ion: 58 Resp: 48814

Ion Ratio Lower Upper

58 100

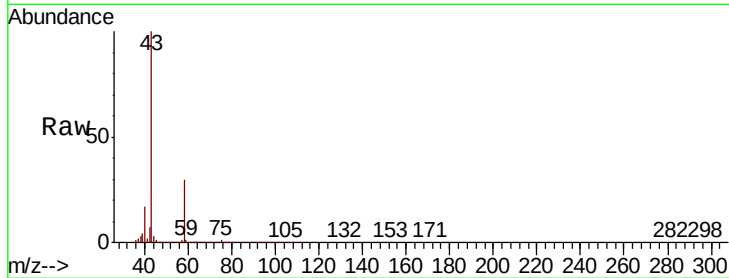
43 338.5 249.8 374.6

Manual Integrations

APPROVED

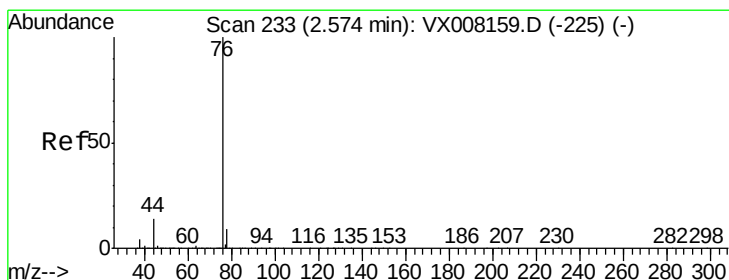
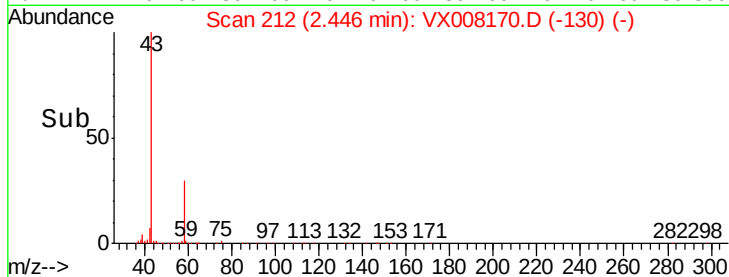
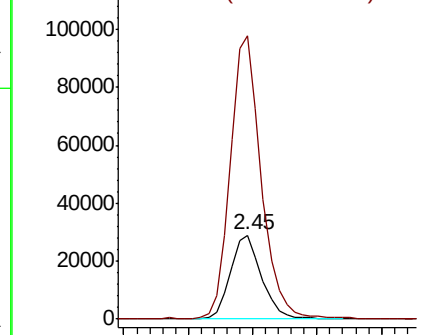
MMDadoda

3/19/2019 9:37:34 AM



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 18.415 ug/l

RT: 2.57 min Scan# 233

Delta R.T. -0.00 min

Lab File: VX008170.D

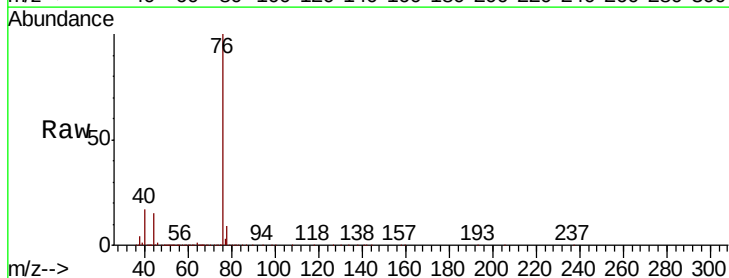
Acq: 18 Mar 2019 17:20

Tgt Ion: 76 Resp: 142787

Ion Ratio Lower Upper

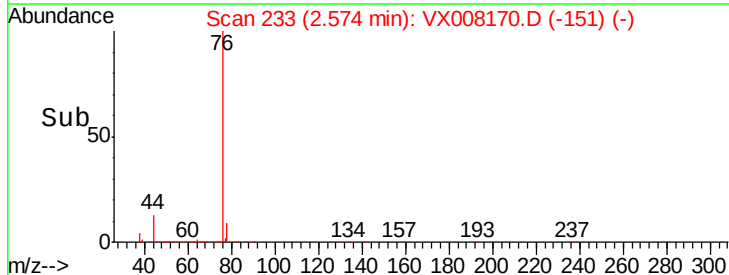
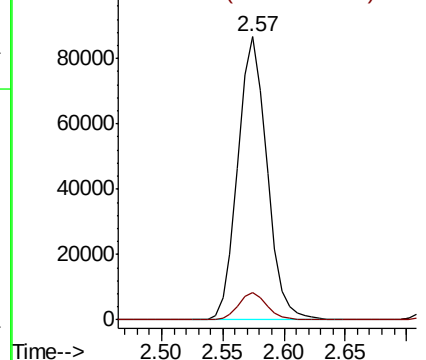
76 100

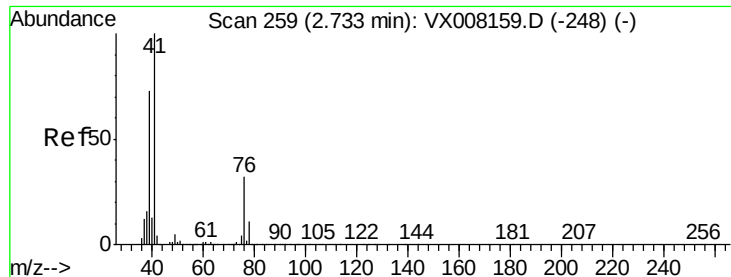
78 9.5 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





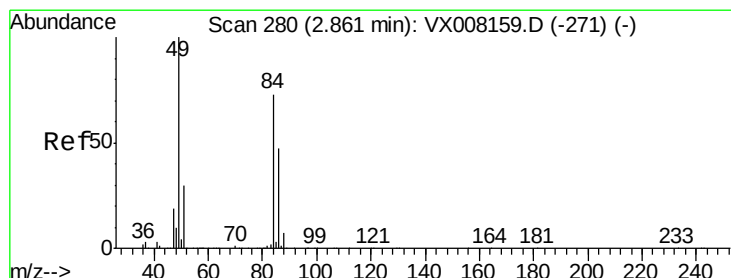
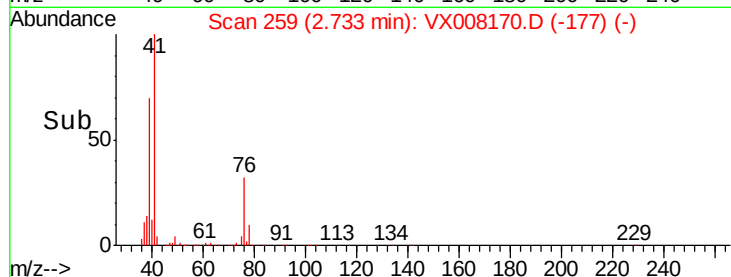
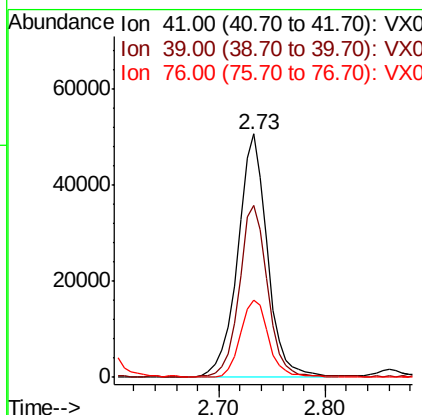
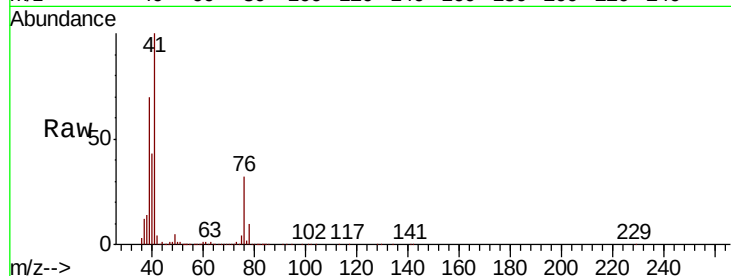
#17
Allvl chloride
Concen: 18.511 ug/l
RT: 2.73 min Scan# 259
Delta R.T. -0.00 min
Lab File: VX008170.D
Acq: 18 Mar 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBSD01

Tot Ion:	41	Resp:	98404
Ion	Ratio	Lower	Upper
41	100		
39	70.3	35.8	107.4
76	31.8	18.3	54.9

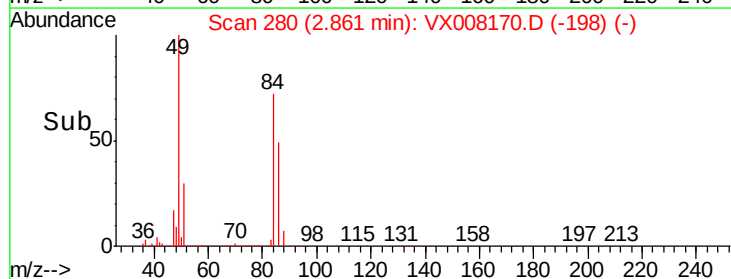
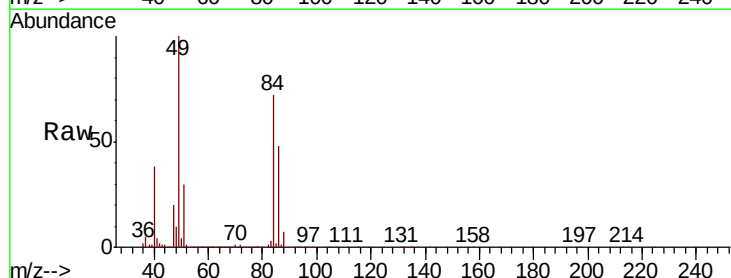
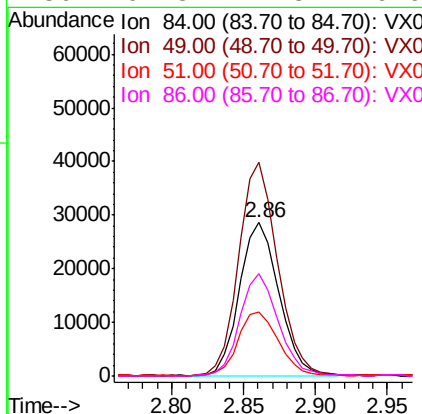
Manual Integrations
APPROVED

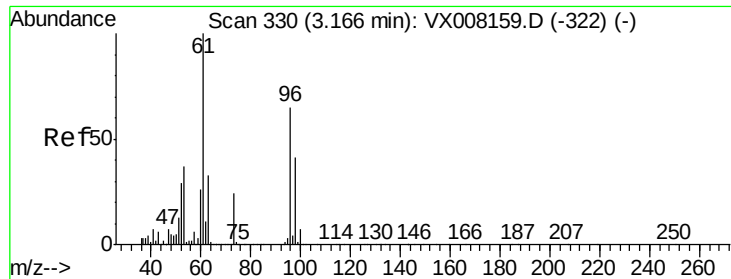
MMDadoda
3/19/2019 9:37:34 AM



#18
Methylene Chloride
Concen: 19.284 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX008170.D
Acq: 18 Mar 2019 17:20

Tgt Ion:	84	Resp:	54654
Ion	Ratio	Lower	Upper
84	100		
49	139.4	96.1	144.1
51	41.7	29.1	43.7
86	67.3	47.3	70.9





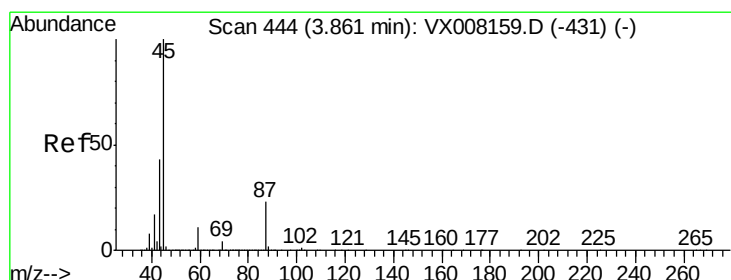
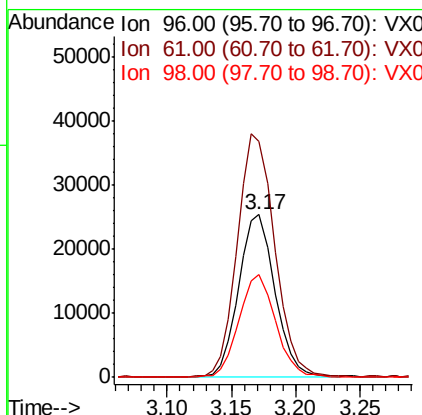
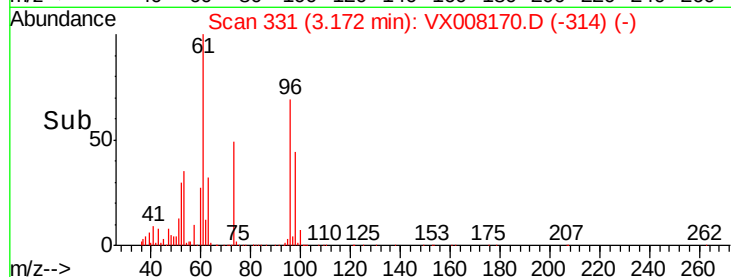
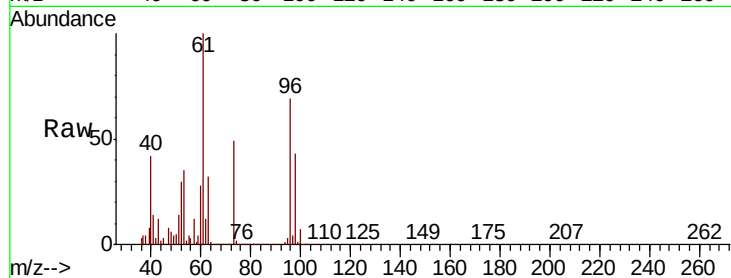
#19
trans-1,2-Dichloroethene
Concen: 19.139 ug/l
RT: 3.17 min Scan# 331
Delta R.T. 0.01 min
Lab File: VX008170.D
Acq: 18 Mar 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.6	109.9	164.9
98	62.6	50.4	75.6

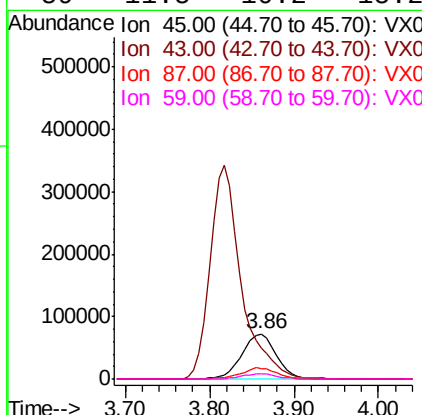
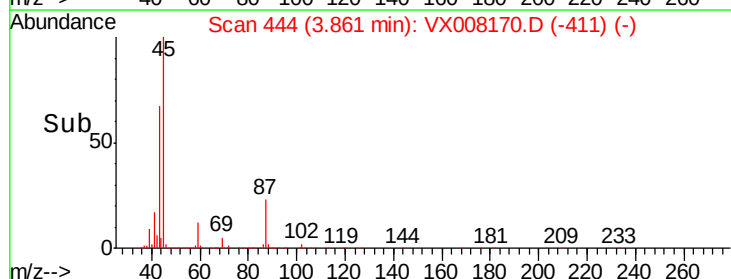
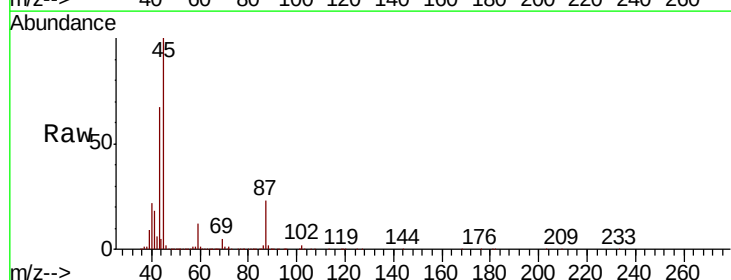
Manual Integrations
APPROVED

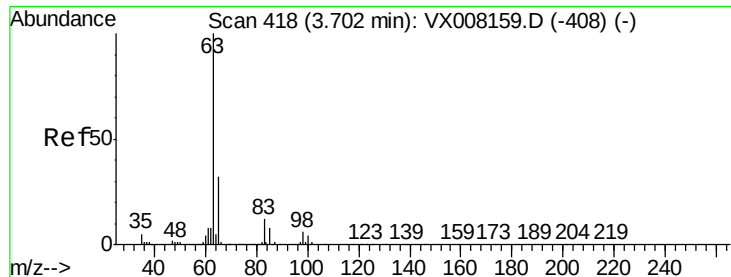
MMDadoda
3/19/2019 9:37:34 AM



#20
Diisopropyl ether
Concen: 19.335 ug/l
RT: 3.86 min Scan# 444
Delta R.T. -0.00 min
Lab File: VX008170.D
Acq: 18 Mar 2019 17:20

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.4	50.6	76.0
87	23.3	24.5	36.7
59	11.5	10.2	15.2





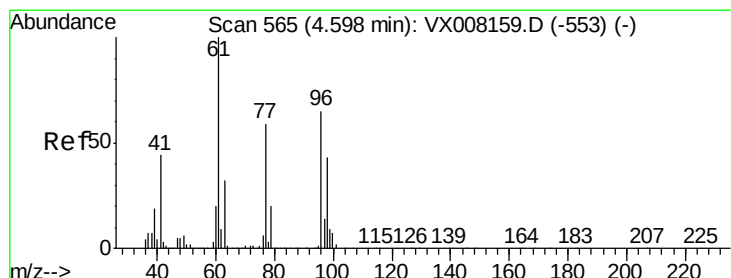
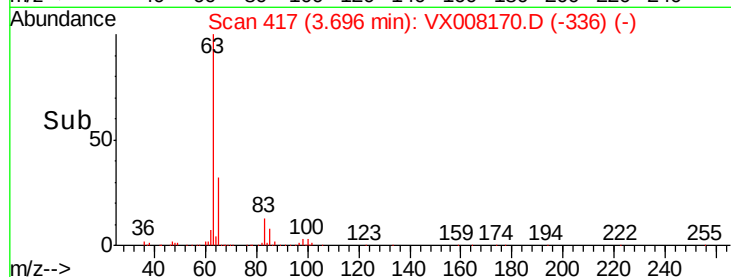
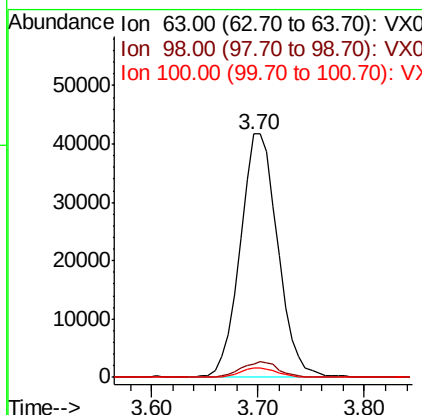
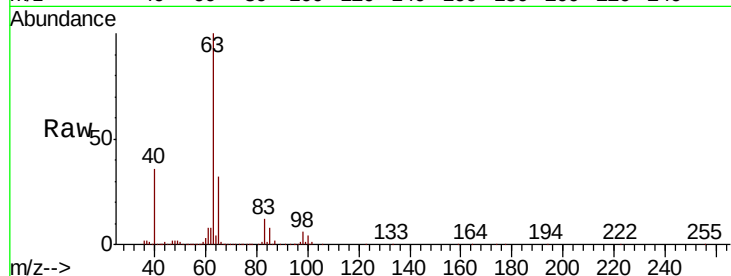
#21
1,1-Dichloroethane
Concen: 19.380 ug/l
RT: 3.70 min Scan# 417
Delta R.T. -0.01 min
Lab File: VX008170.D
Acq: 18 Mar 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBSD01

Tot Ion:	63	Resp:	102967
Ion Ratio	Lower	Upper	
63	100		
98	5.6	3.8	11.4
100	3.7	2.4	7.1

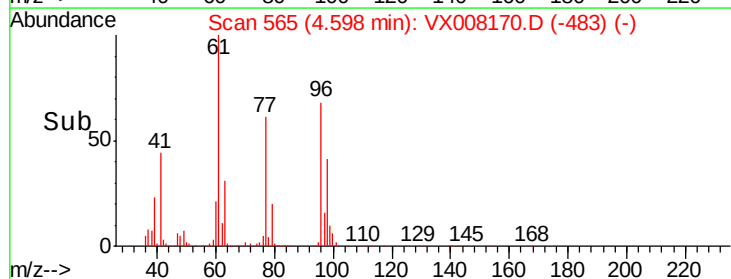
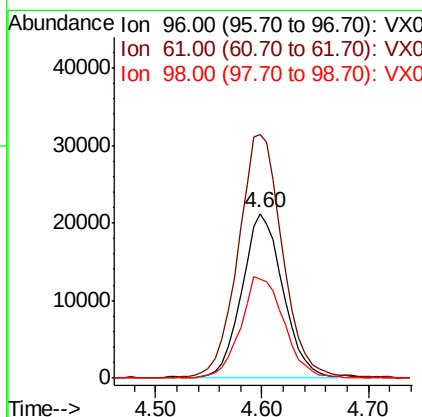
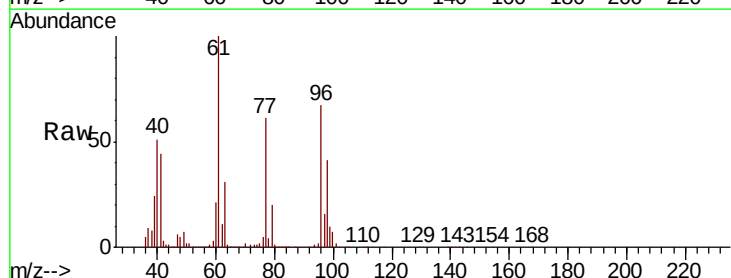
Manual Integrations
APPROVED

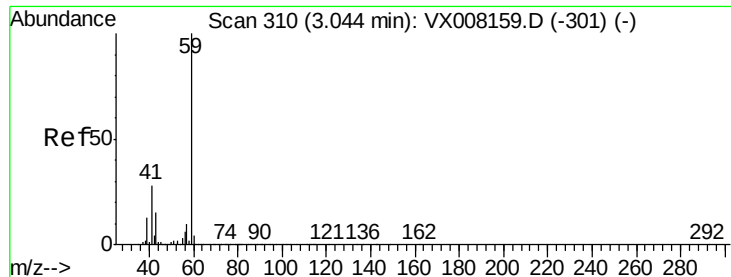
MMDadoda
3/19/2019 9:37:34 AM



#22
cis-1,2-Dichloroethene
Concen: 19.306 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX008170.D
Acq: 18 Mar 2019 17:20

Tgt Ion:	96	Resp:	57512
Ion Ratio	Lower	Upper	
96	100		
61	159.8	103.5	155.3#
98	64.8	52.1	78.1





#23

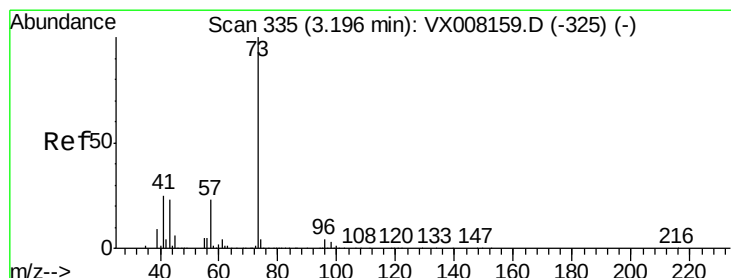
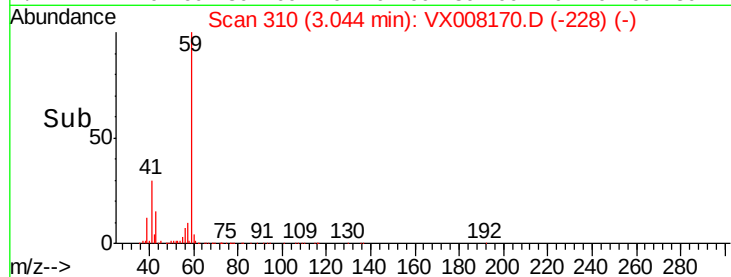
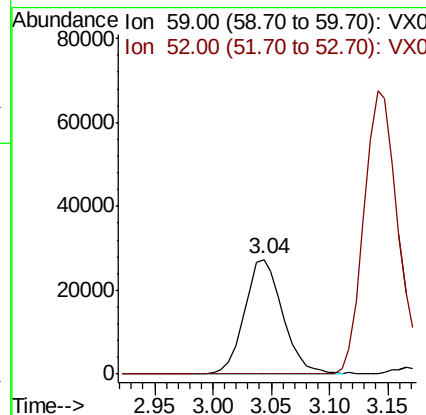
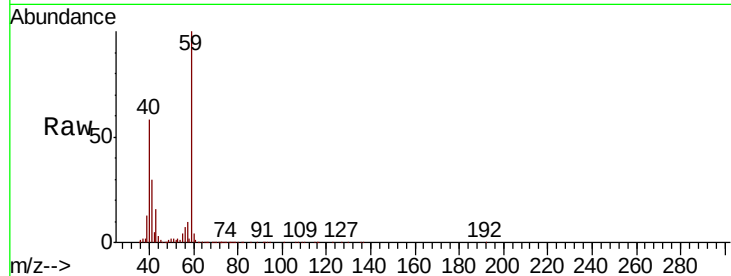
tert-Butyl Alcohol
 Concen: 95.493 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. -0.00 min
 Lab File: VX008170.D
 Acq: 18 Mar 2019 17:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0318WBSD01

Tot Ion	59	Ratio	Lower	Upper
59	100			
52	0.1	0.2	0.2	0.2

Manual Integrations
 APPROVED

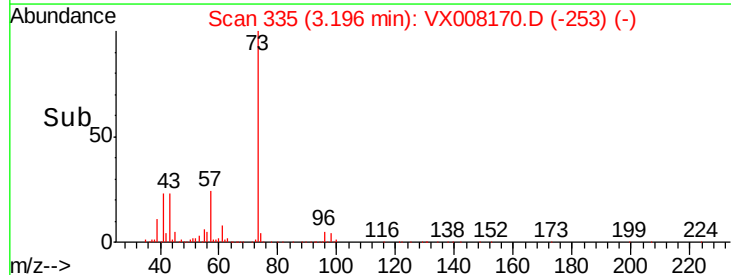
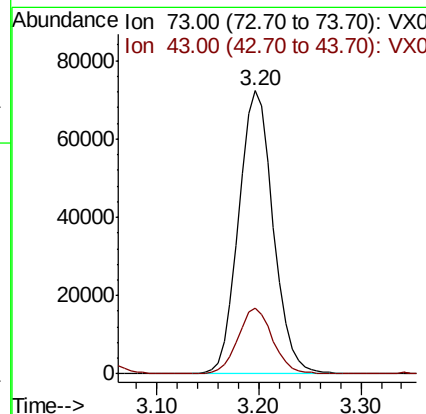
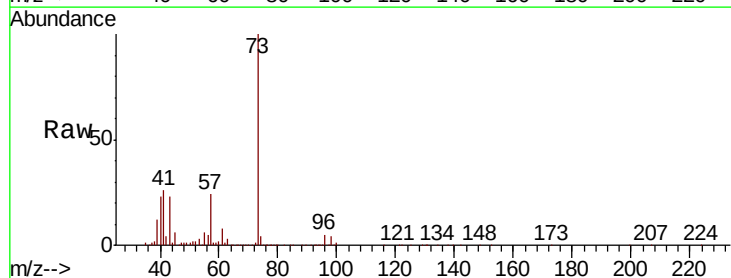
MMDadoda
 3/19/2019 9:37:34 AM

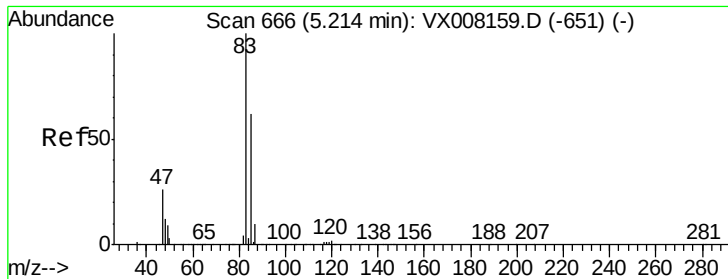


#24

Methyl tert-Butyl Ether
 Concen: 19.240 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VX008170.D
 Acq: 18 Mar 2019 17:20

Tgt Ion	73	Ratio	Lower	Upper
73	100			
43	22.7	17.1	25.7	





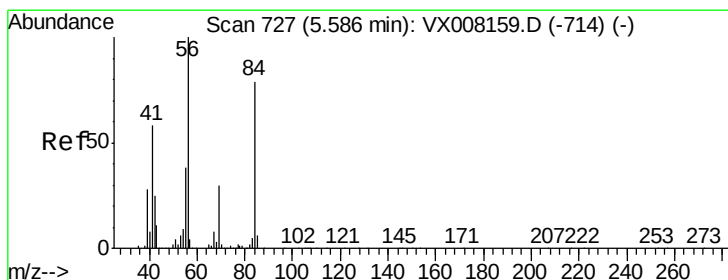
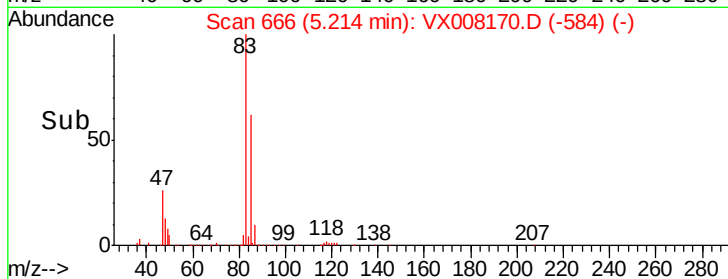
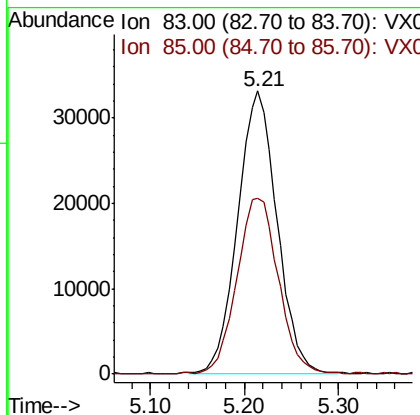
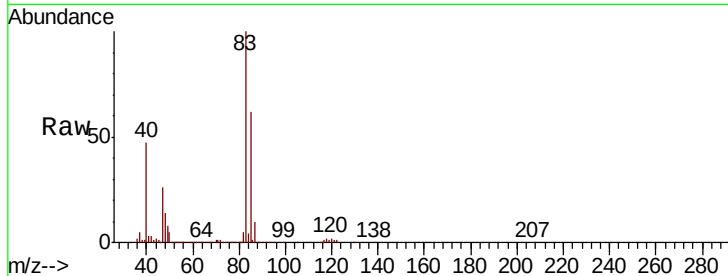
#25
Chloroform
Concen: 19.383 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX008170.D
Acq: 18 Mar 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBSD01

Tot Ion	83	Resp	97152
Ion Ratio	100	Lower	Upper
83	100		
85	62.0	53.8	80.6

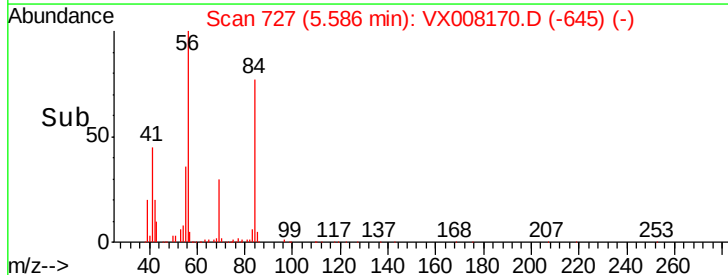
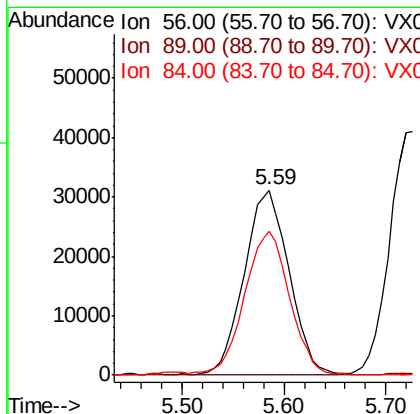
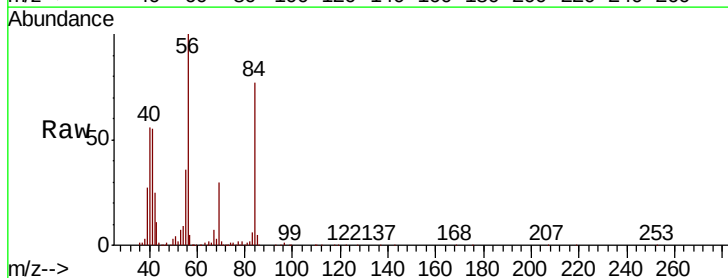
Manual Integrations
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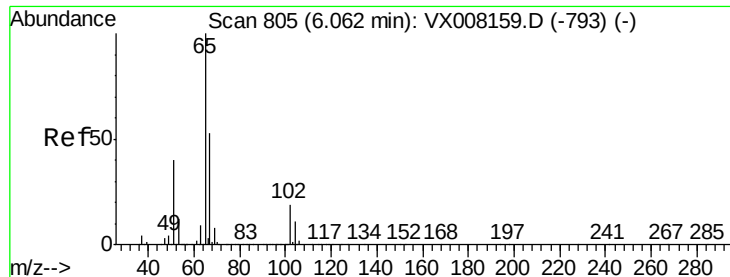
MMDadoda
3/19/2019 9:37:34 AM



#26
Cyclohexane
Concen: 18.665 ug/l
RT: 5.59 min Scan# 727
Delta R.T. -0.00 min
Lab File: VX008170.D
Acq: 18 Mar 2019 17:20

Tgt Ion	56	Resp	94544
Ion Ratio	100	Lower	Upper
56	100		
89	0.1	0.0	0.0#
84	78.1	73.9	110.9





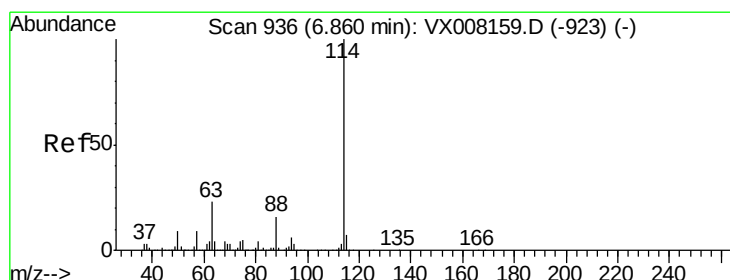
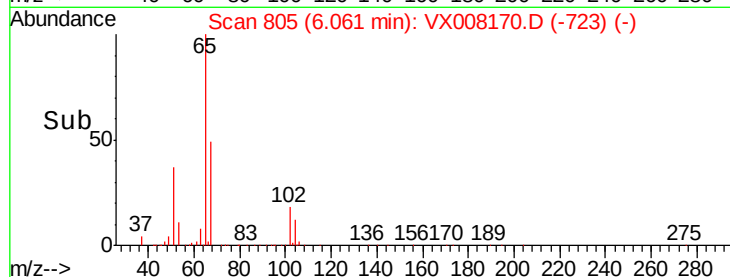
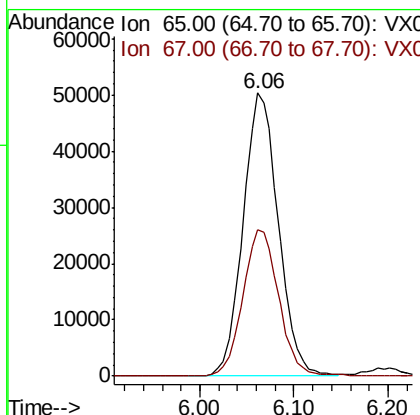
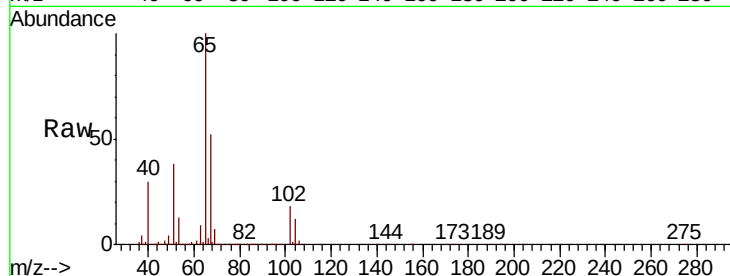
#27
 1,2-Dichloroethane-d4
 Concen: 30.508 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008170.D
 Acq: 18 Mar 2019 17:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0318WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.2	42.9	64.3

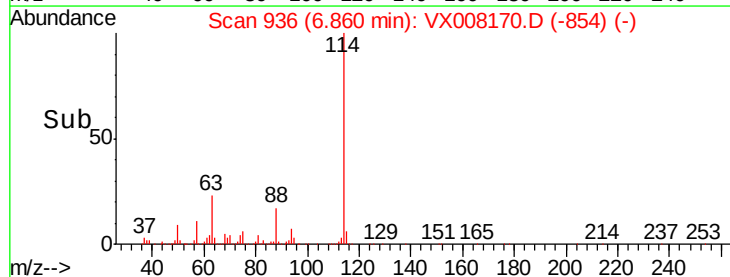
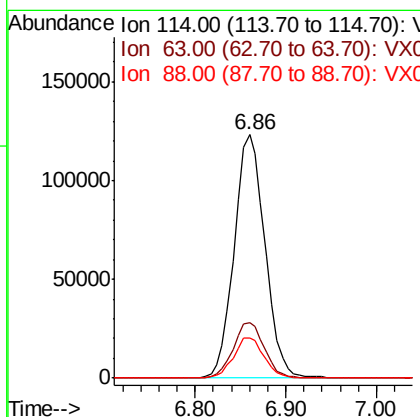
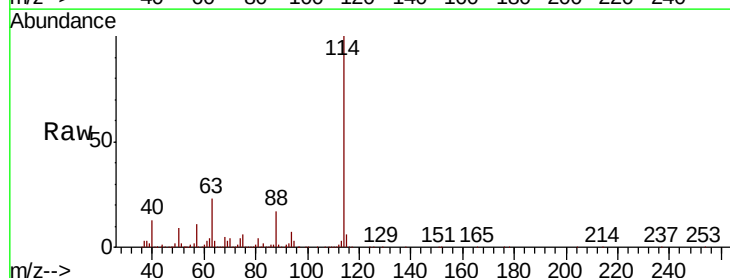
Manual Integrations
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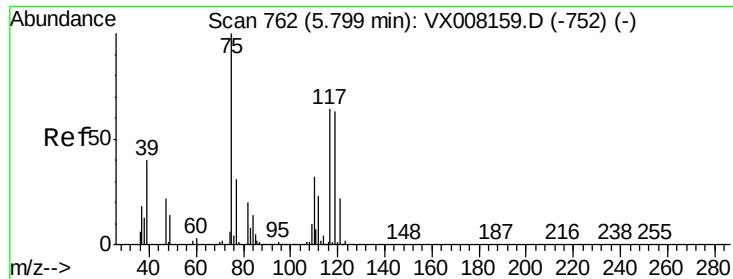
MMDadoda
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008170.D
 Acq: 18 Mar 2019 17:20

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.4	14.2	21.4#
88	16.7	11.9	17.9





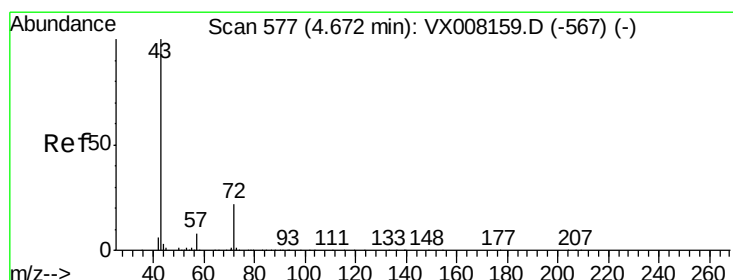
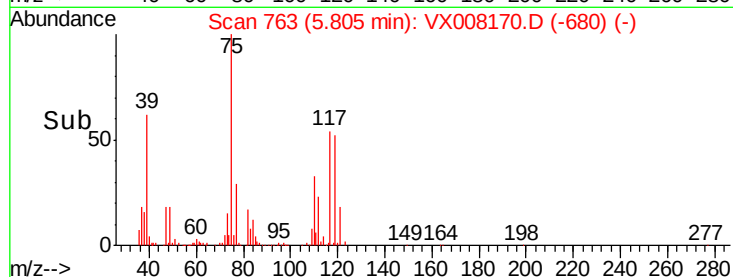
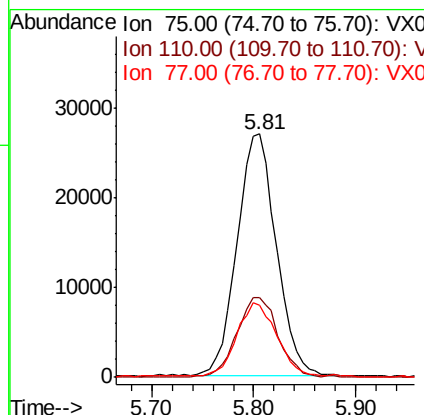
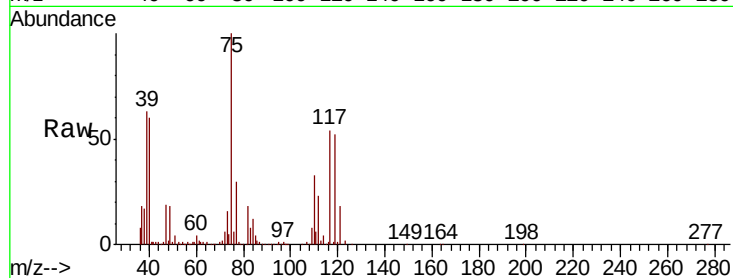
#29
 1,1-Dichloropropene
 Concen: 18.678 ug/l
 RT: 5.81 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VX008170.D
 Acq: 18 Mar 2019 17:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0318WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
110	34.7	0.0	80.8
77	30.8	0.0	62.4

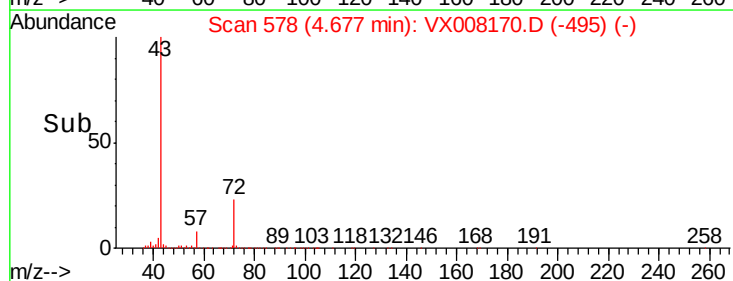
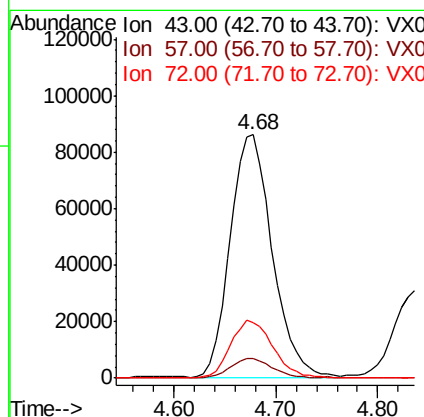
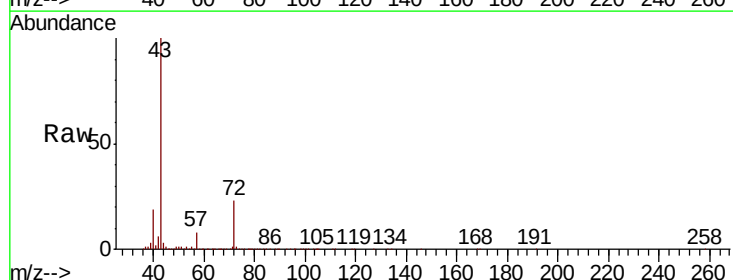
Manual Integrations
 APPROVED

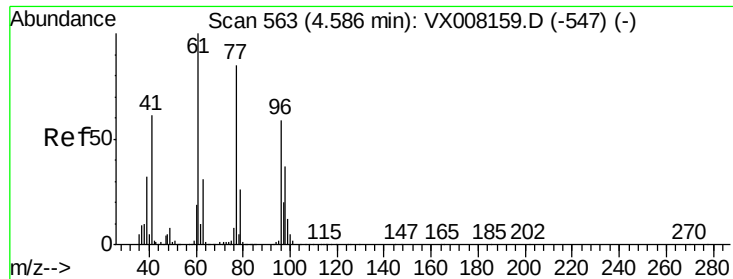
MMDadoda
 3/19/2019 9:37:34 AM



#30
 2-Butanone
 Concen: 90.434 ug/l
 RT: 4.68 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VX008170.D
 Acq: 18 Mar 2019 17:20

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.9	7.0	10.6
72	23.6	21.5	32.3





#31

2,2-Dichloropropane

Concen: 18.466 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX008170.D

Acq: 18 Mar 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

VX0318WBSD01

Tot Ion: 77 Resp: 71904

Ion Ratio Lower Upper

77 100

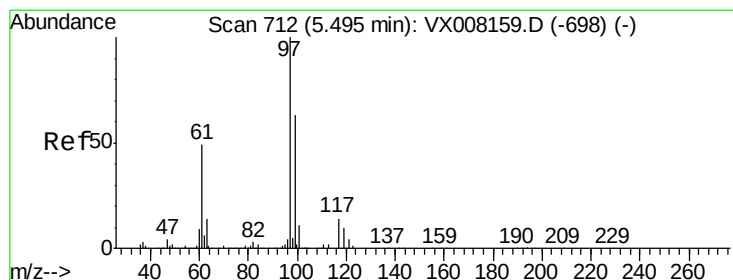
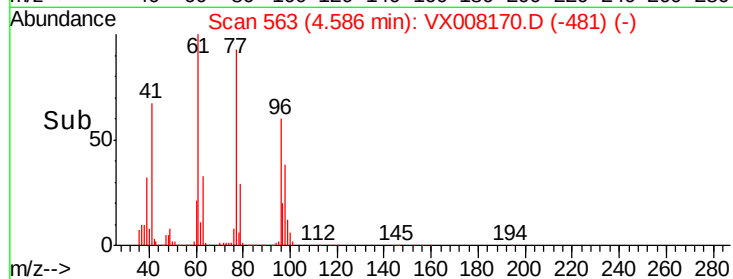
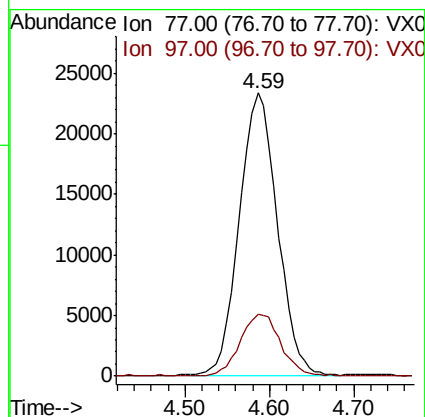
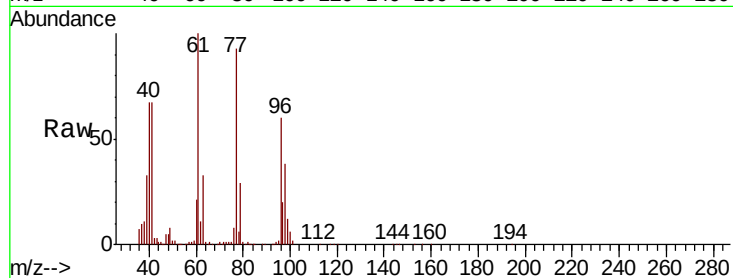
97 23.2 20.6 31.0

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 19.393 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX008170.D

Acq: 18 Mar 2019 17:20

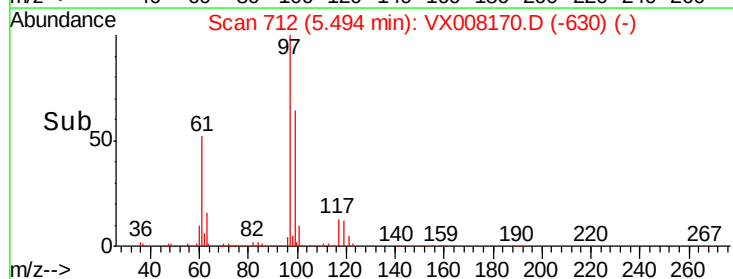
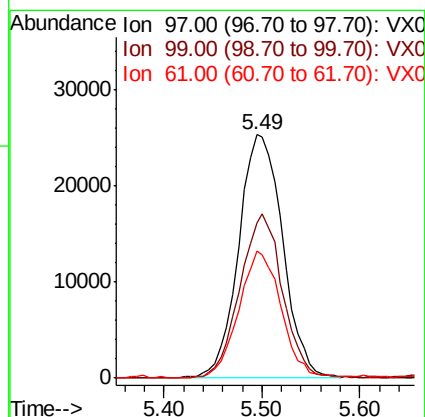
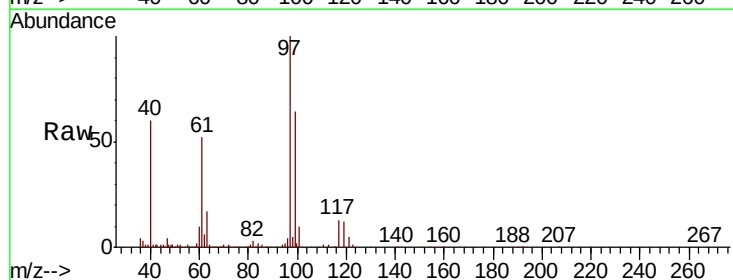
Tgt Ion: 97 Resp: 79305

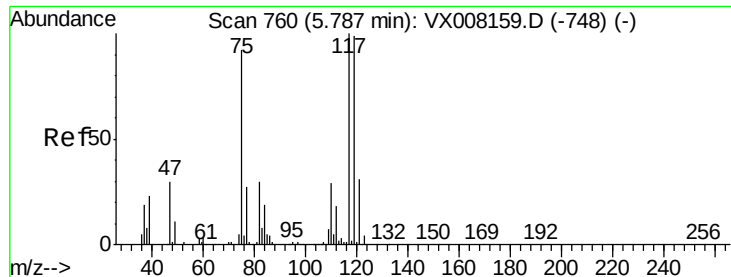
Ion Ratio Lower Upper

97 100

99 65.4 51.7 77.5

61 50.2 32.8 49.2#





#33

Carbon Tetrachloride

Concen: 18.945 ug/l

RT: 5.79 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX008170.D

Acq: 18 Mar 2019 17:20

Instrument :

MSVOA_X

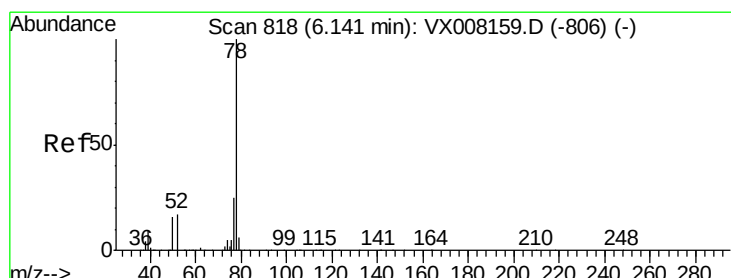
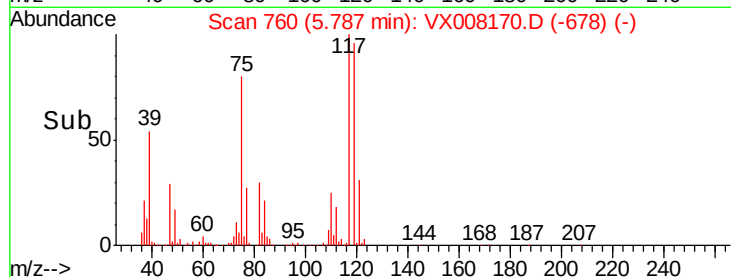
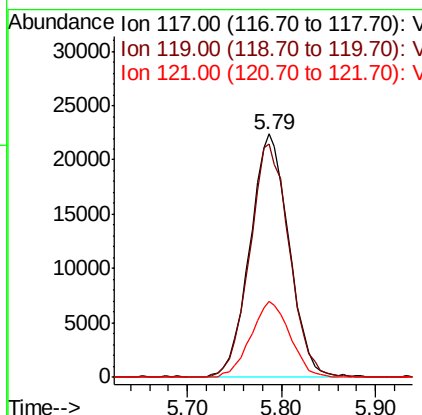
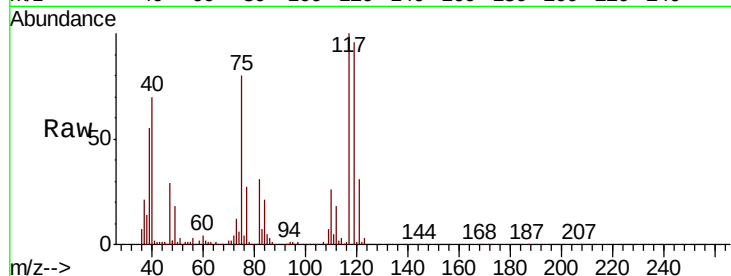
ClientSampleId :

VX0318WBSD01

Tot Ion:	117	Resp:	65018
Ion	Ratio	Lower	Upper
117	100		
119	95.6	78.1	117.1
121	31.1	27.0	40.6

Manual Integrations
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#34

Benzene

Concen: 19.242 ug/l

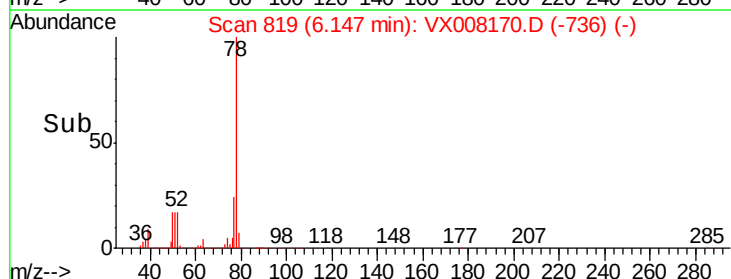
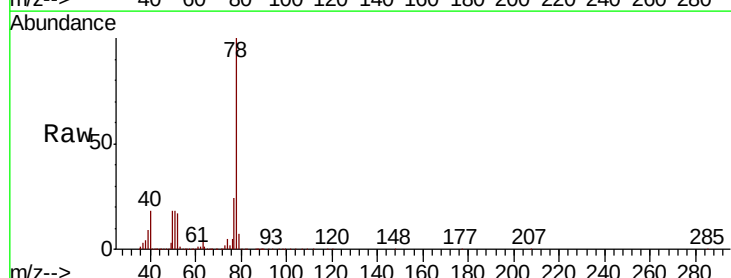
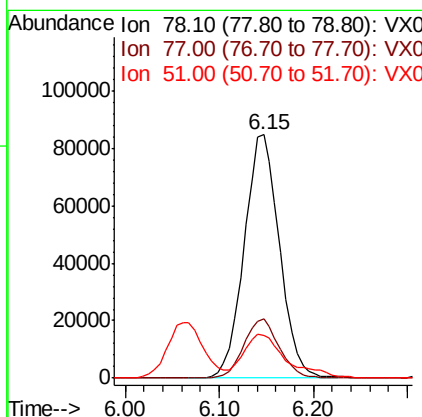
RT: 6.15 min Scan# 819

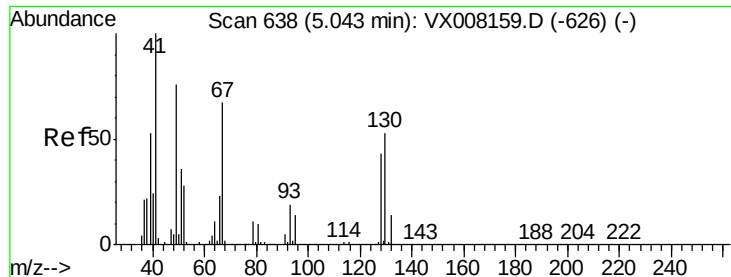
Delta R.T. 0.01 min

Lab File: VX008170.D

Acq: 18 Mar 2019 17:20

Tgt Ion:	78	Resp:	222146
Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.1	28.7
51	16.6	10.8	16.2#





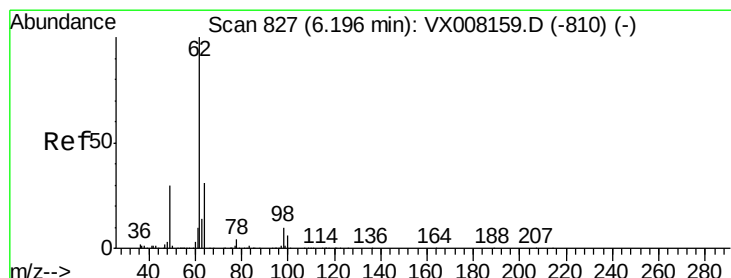
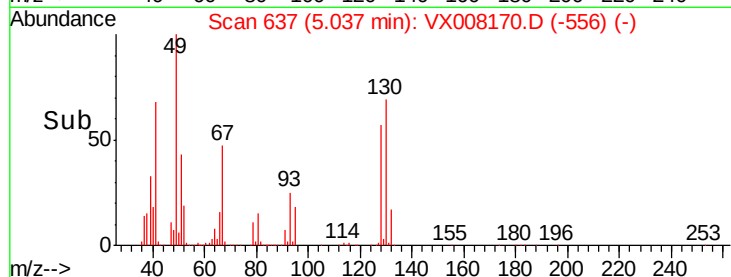
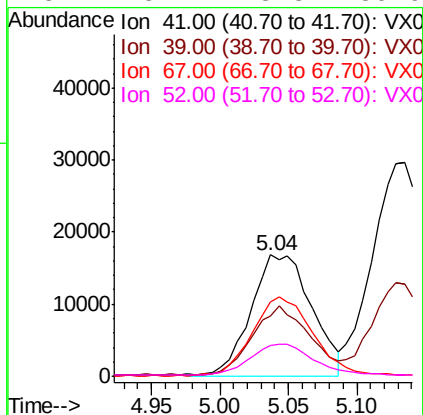
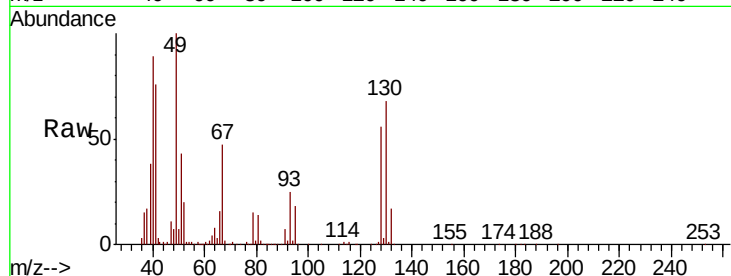
#35
Methacrylonitrile
Concen: 19.700 ug/l m
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX008170.D
Acq: 18 Mar 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBSD01

Tot Ion:	41	Resp:	51872
Ion Ratio	Lower	Upper	
41	100		
39	49.9	27.4	82.0
67	61.4	37.9	113.6
52	25.7	13.3	39.9

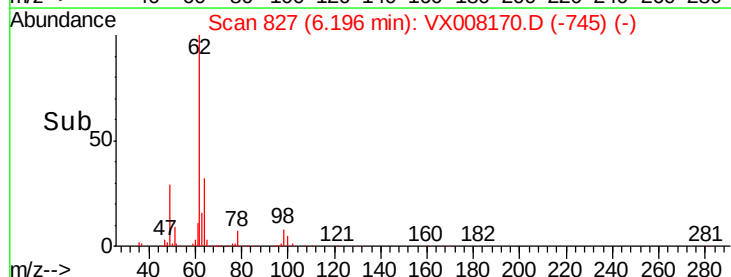
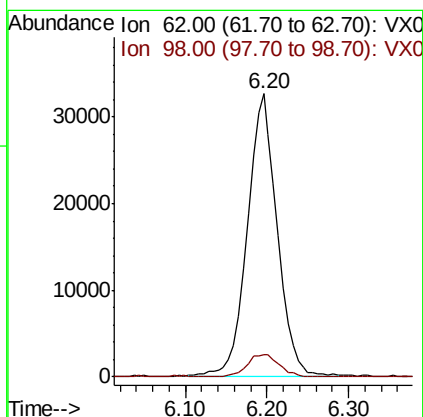
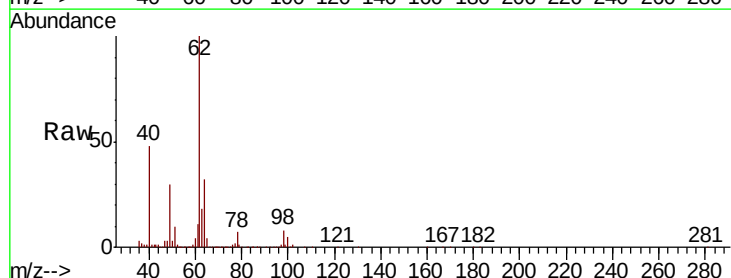
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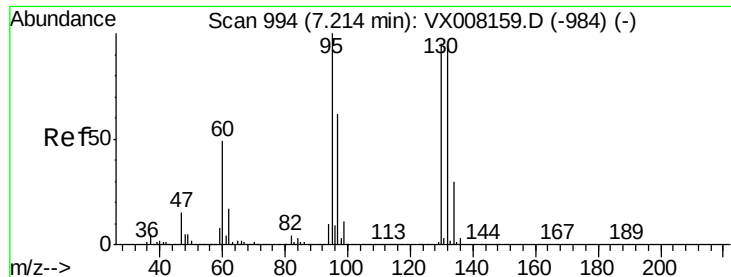
MMDadoda
3/19/2019 9:37:34 AM



#36
1,2-Dichloroethane
Concen: 19.787 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX008170.D
Acq: 18 Mar 2019 17:20

Tgt Ion:	62	Resp:	82913
Ion Ratio	Lower	Upper	
62	100		
98	8.8	7.8	11.8





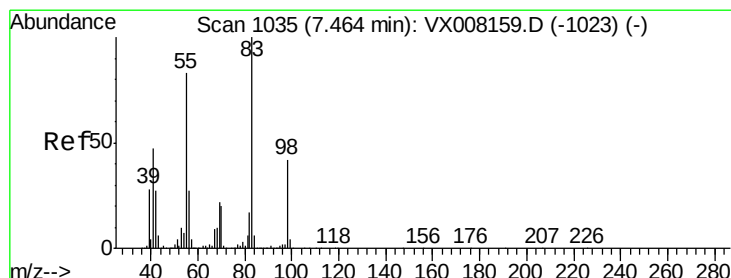
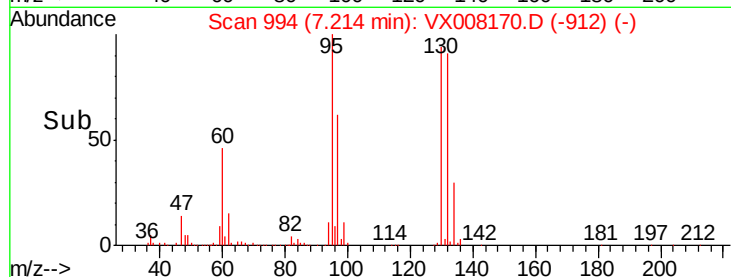
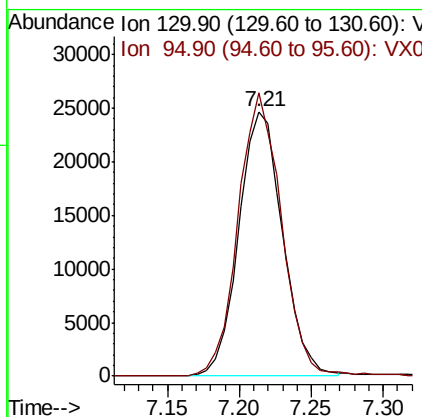
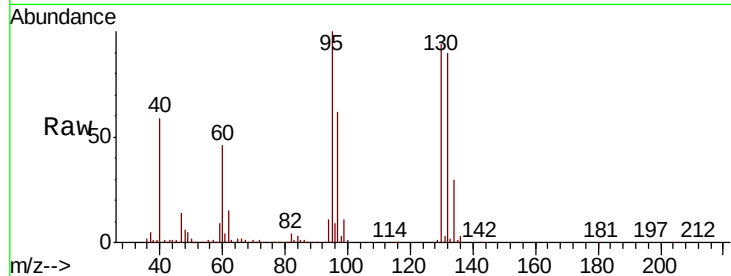
#37
 Trichloroethene
 Concen: 18.901 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX008170.D
 Acq: 18 Mar 2019 17:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0318WBSD01

Tot Ion:130 Resp: 51997
 Ion Ratio Lower Upper
 130 100
 95 106.7 71.3 106.9

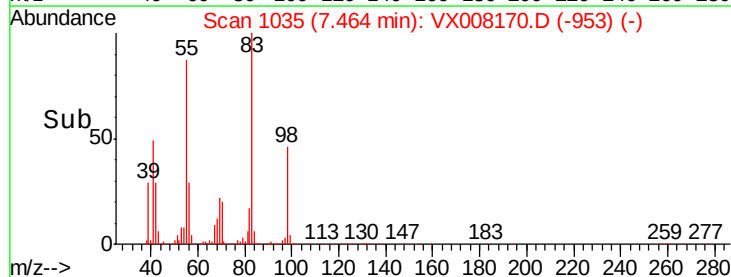
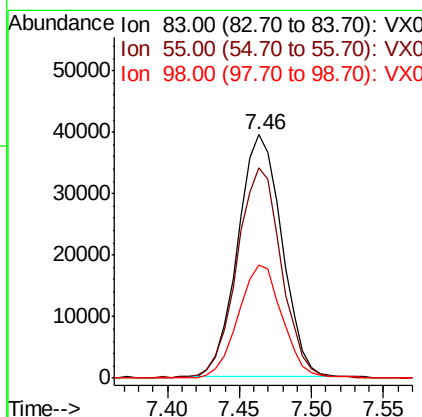
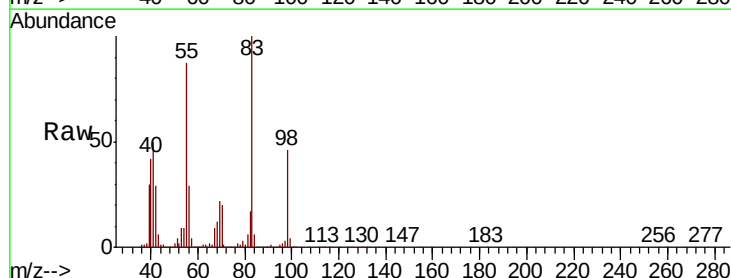
Manual Integrations
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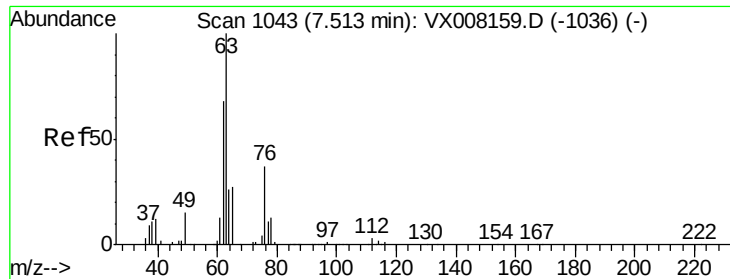
MMDadoda
 3/19/2019 9:37:34 AM



#38
 Methylcyclohexane
 Concen: 17.889 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: VX008170.D
 Acq: 18 Mar 2019 17:20

Tgt Ion: 83 Resp: 83890
 Ion Ratio Lower Upper
 83 100
 55 86.6 36.0 108.0
 98 46.9 23.8 71.4





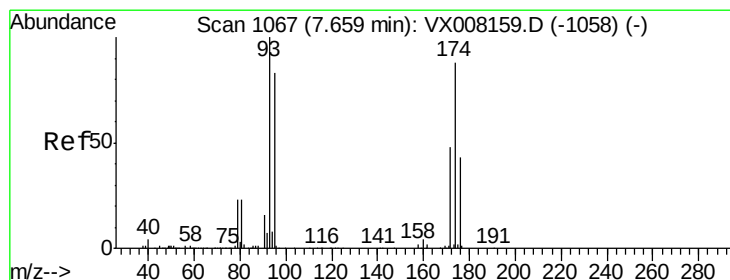
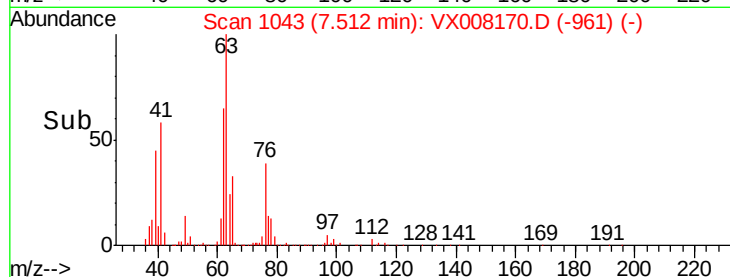
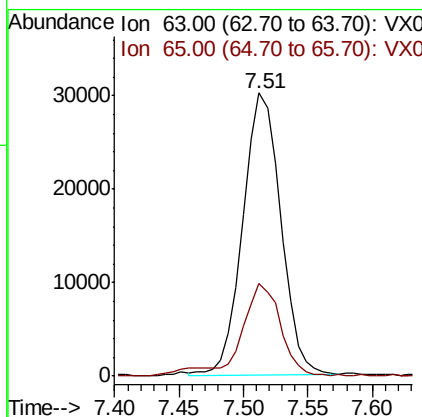
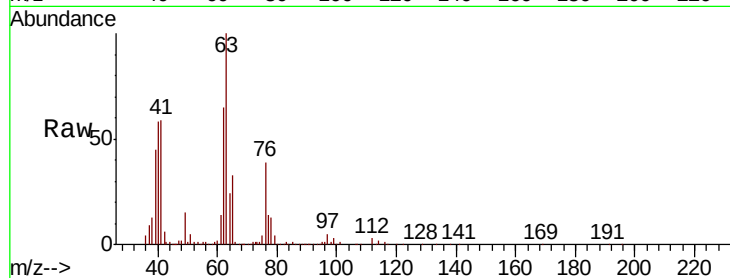
#39
 1,2-Dichloropropane
 Concen: 19.592 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX008170.D
 Acq: 18 Mar 2019 17:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0318WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.5	24.6	37.0

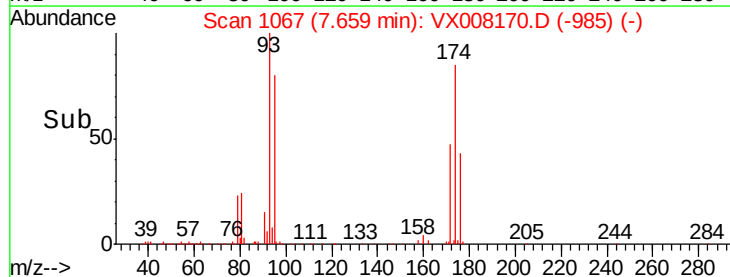
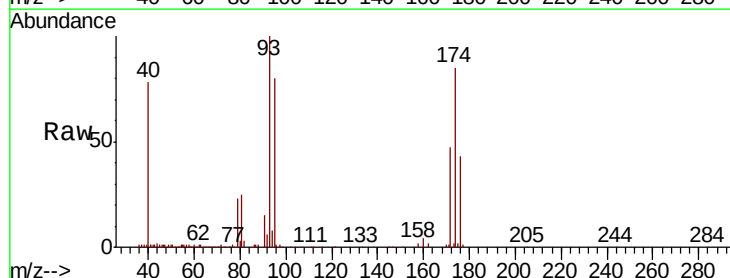
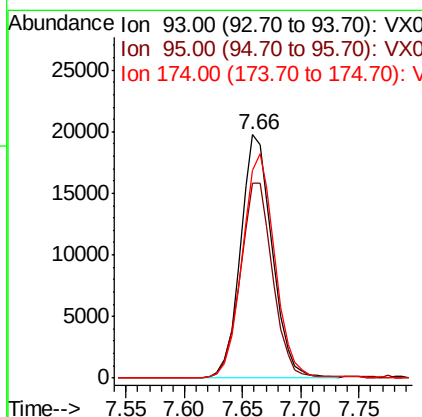
Manual Integrations
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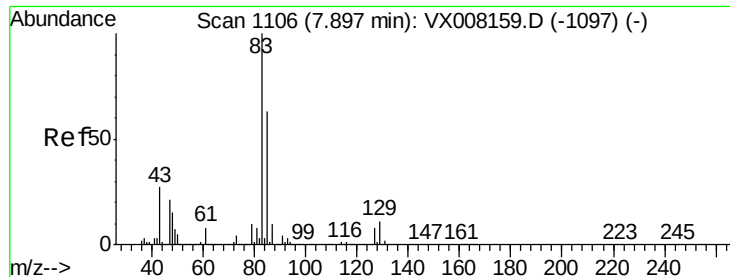
MMDadoda
 3/19/2019 9:37:34 AM



#40
 Dibromomethane
 Concen: 19.537 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX008170.D
 Acq: 18 Mar 2019 17:20

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.0	0.0	158.8
174	94.1	0.0	224.2





#41

Bromodichloromethane

Concen: 19.196 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008170.D

Acq: 18 Mar 2019 17:20

Instrument :

MSVOA_X

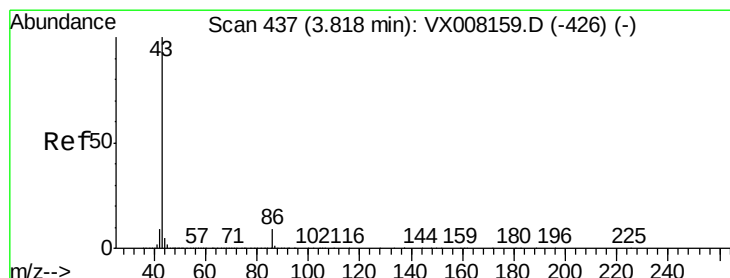
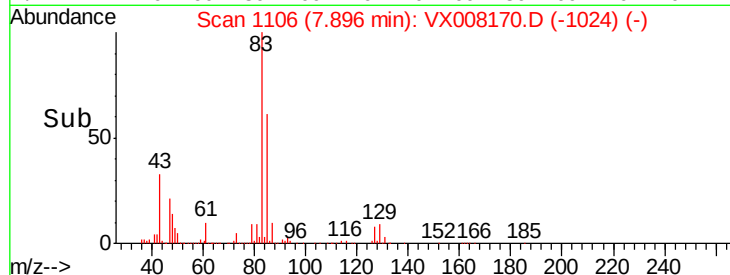
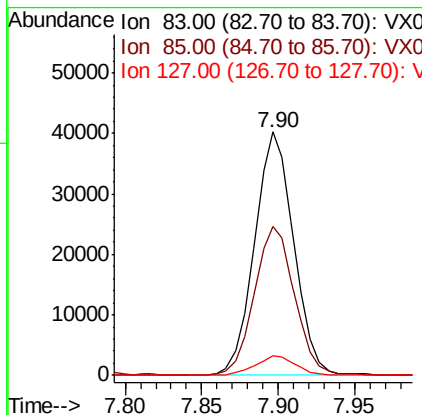
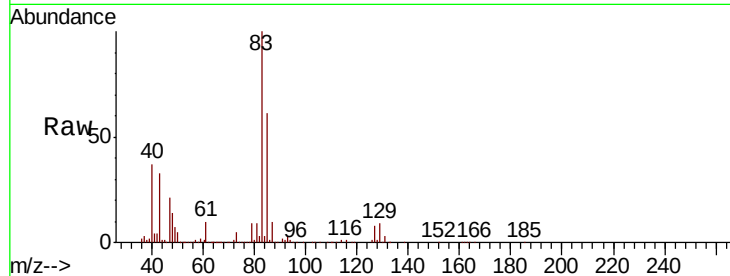
ClientSampleId :

VX0318WBSD01

Tot Ion:	83	Resp:	71452
Ion Ratio	Lower	Upper	
83	100		
85	60.8	51.1	76.7
127	8.0	7.2	10.8

Manual Integrations
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3/19/2019 9:37:34 AM



#42

Vinyl Acetate

Concen: 96.352 ug/l

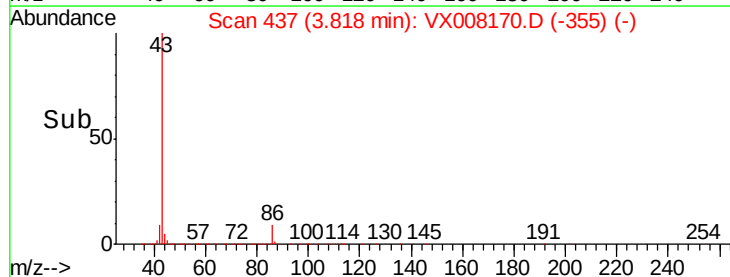
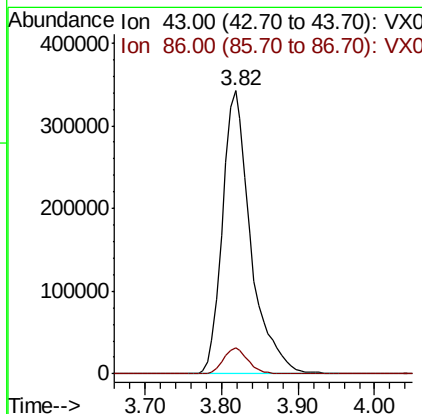
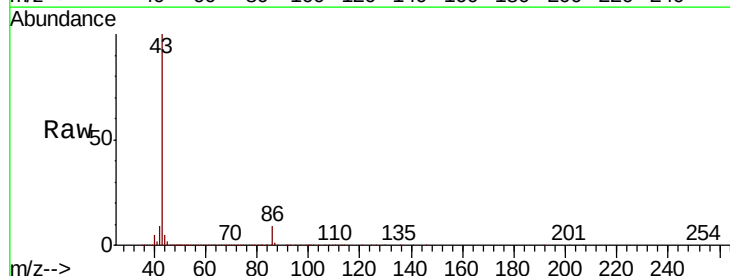
RT: 3.82 min Scan# 437

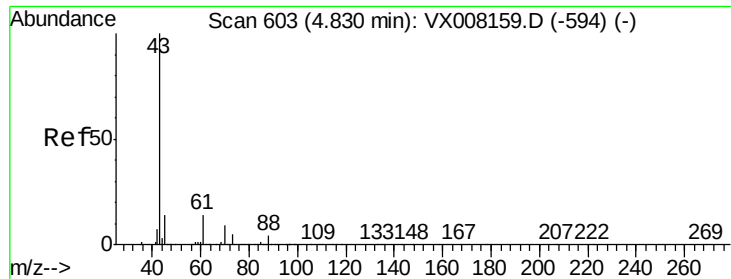
Delta R.T. -0.00 min

Lab File: VX008170.D

Acq: 18 Mar 2019 17:20

Tgt Ion:	43	Resp:	876961
Ion Ratio	Lower	Upper	
43	100		
86	8.0	8.2	12.2#





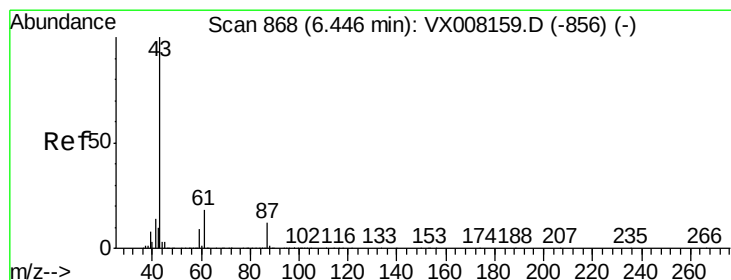
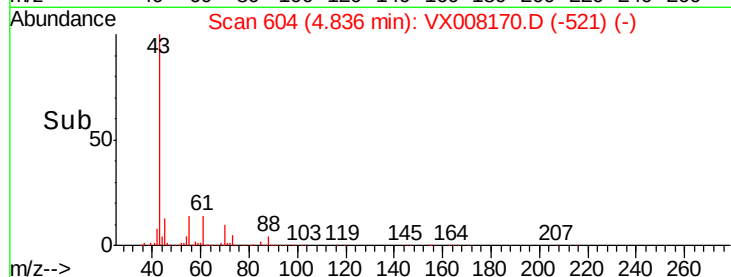
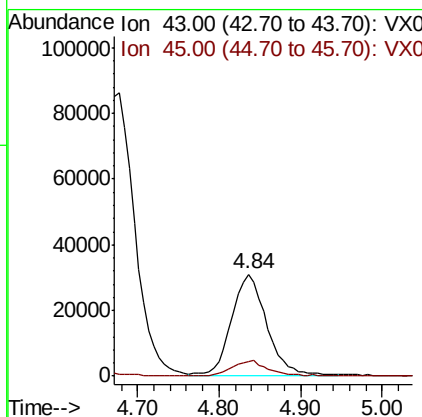
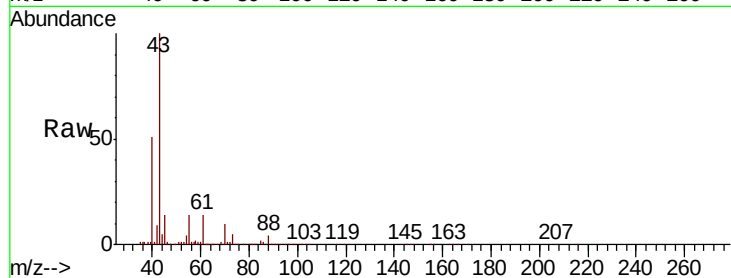
#43
Ethyl Acetate
Concen: 19.118 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX008170.D
Acq: 18 Mar 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBSD01

Tot Ion	43	Ratio	Lower	Upper
43	100			
45	14.5	6.9	10.3	

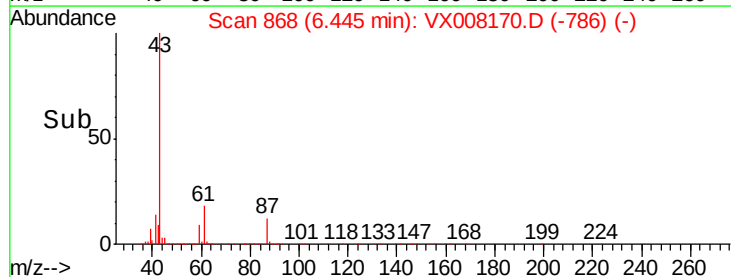
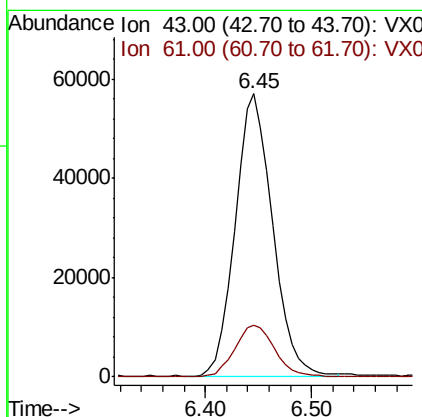
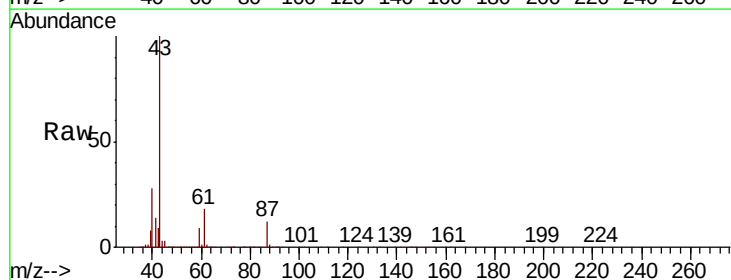
Manual Integrations
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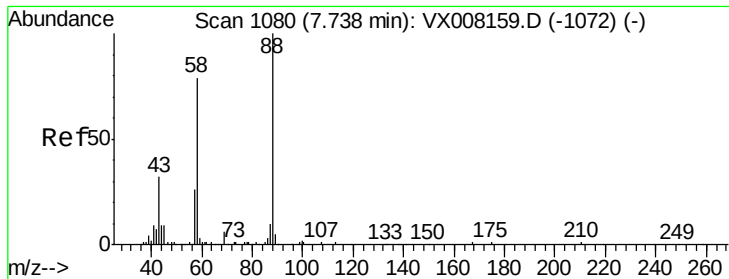
MMDadoda
3/19/2019 9:37:34 AM



#44
Isopropyl Acetate
Concen: 18.767 ug/l
RT: 6.45 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX008170.D
Acq: 18 Mar 2019 17:20

Tgt Ion	43	Ratio	Lower	Upper
43	100			
61	19.6	16.1	24.1	





#45

1,4-Dioxane

Concen: 383.845 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX008170.D

Acq: 18 Mar 2019 17:20

Instrument :

MSVOA_X

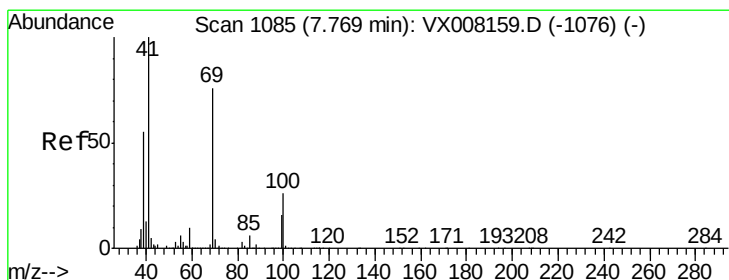
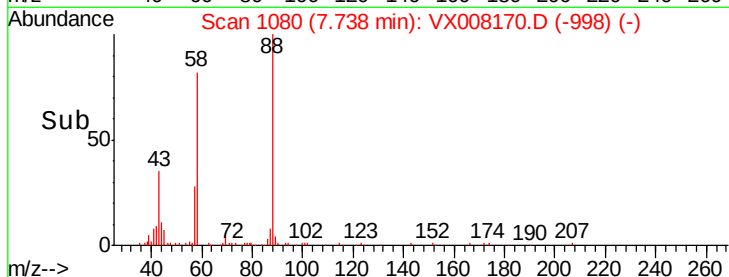
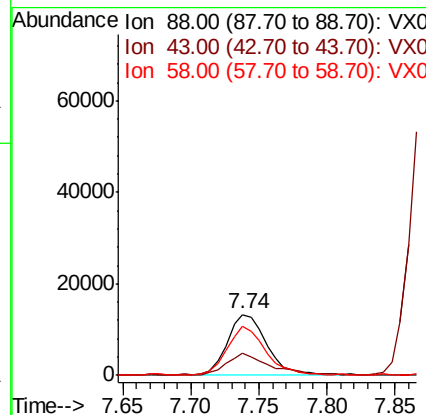
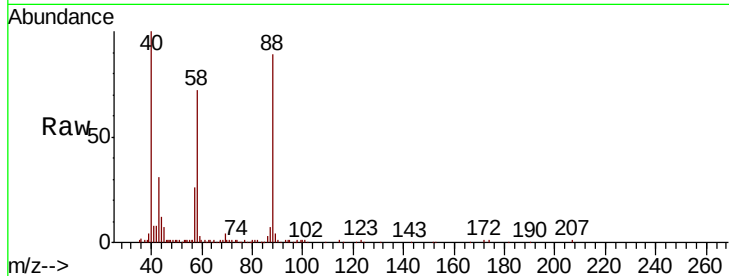
ClientSampleId :

VX0318WBSD01

Tot Ion:	88	Resp:	26685
Ion	Ratio	Lower	Upper
88	100		
43	37.8	23.6	35.4#
58	76.1	51.6	77.4

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#46

Methyl methacrylate

Concen: 18.945 ug/l

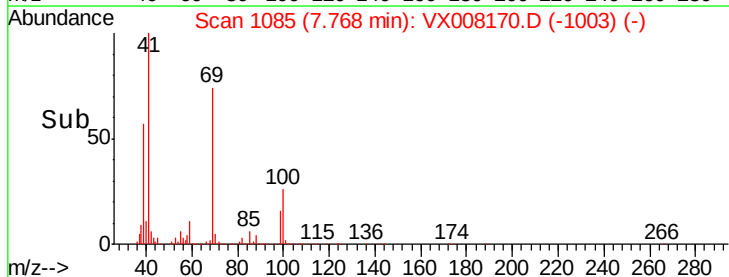
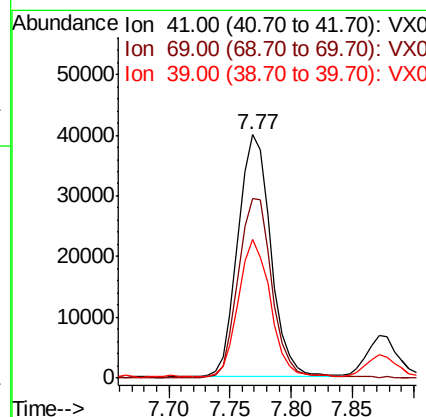
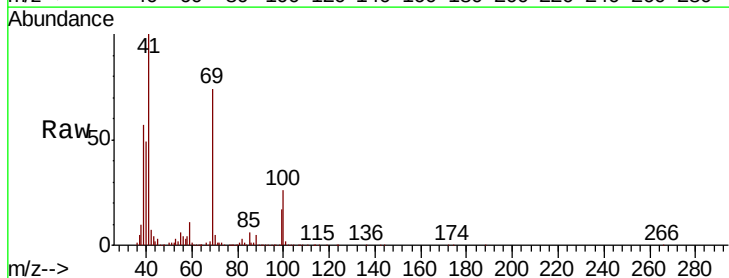
RT: 7.77 min Scan# 1085

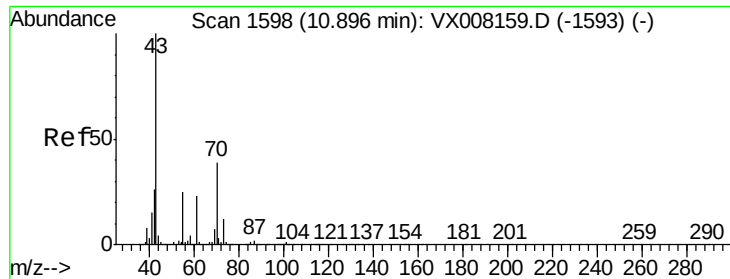
Delta R.T. -0.00 min

Lab File: VX008170.D

Acq: 18 Mar 2019 17:20

Tgt Ion:	41	Resp:	74392
Ion	Ratio	Lower	Upper
41	100		
69	74.0	44.2	132.6
39	56.9	29.9	89.8





#47

n-amyl Acetate

Concen: 18.512 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008170.D

Acq: 18 Mar 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

VX0318WBSD01

Tot Ion: 43 Resp: 117721

Ion Ratio Lower Upper

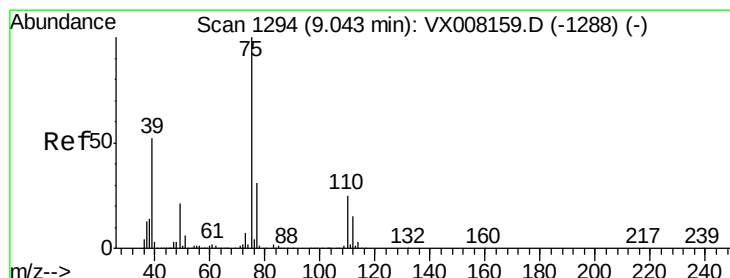
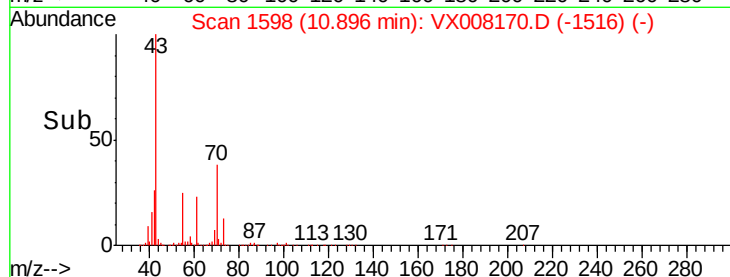
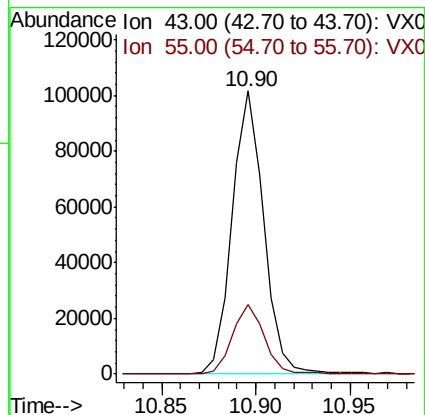
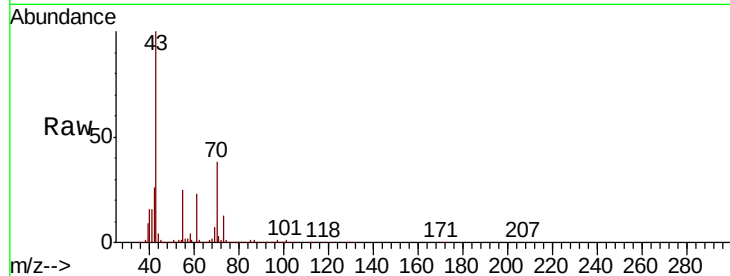
43 100

55 25.1 20.8 31.2

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#48

t-1,3-Dichloropropene

Concen: 18.129 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX008170.D

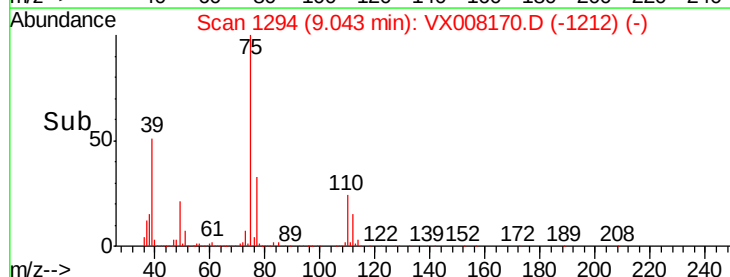
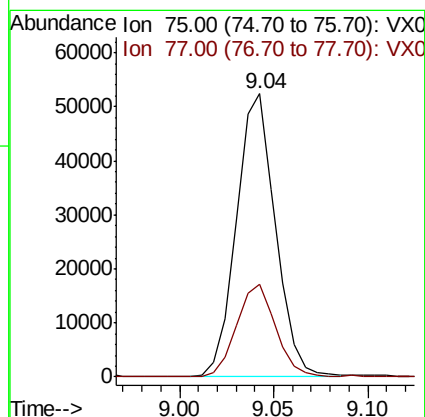
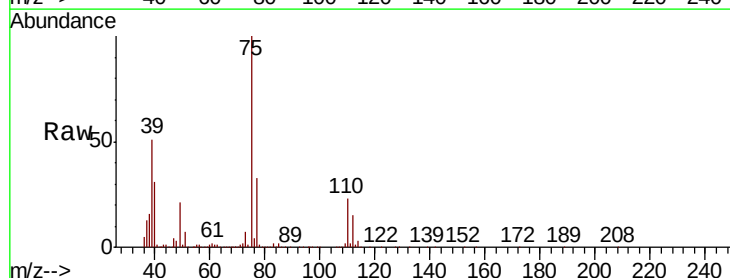
Acq: 18 Mar 2019 17:20

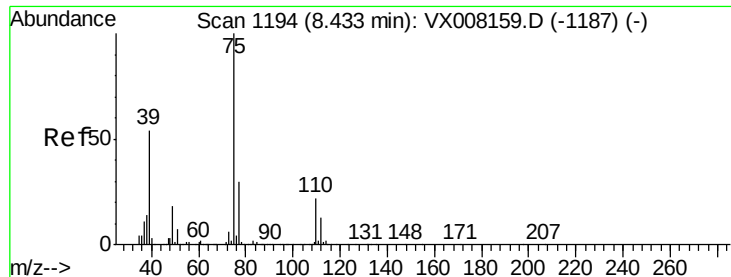
Tgt Ion: 75 Resp: 74585

Ion Ratio Lower Upper

75 100

77 32.7 24.5 36.7





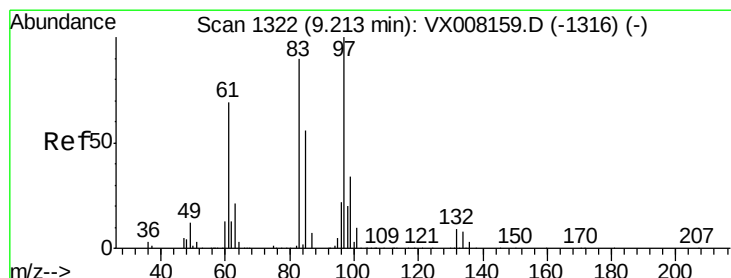
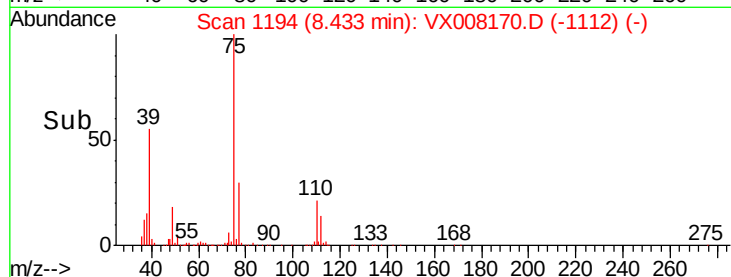
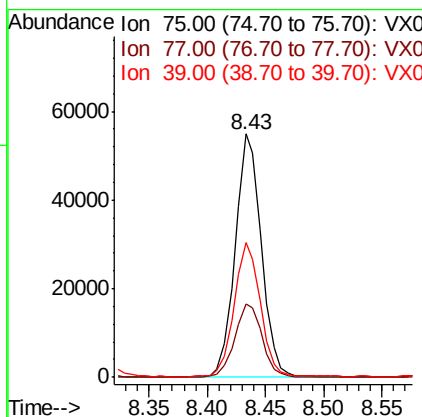
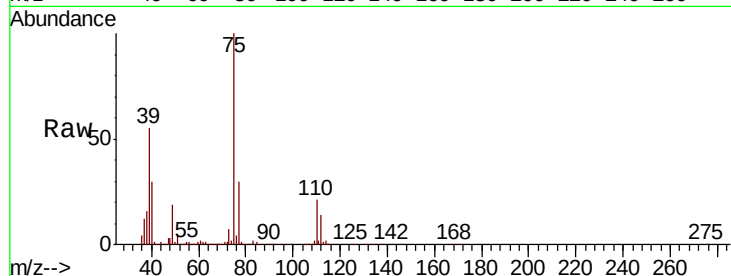
#49
 cis-1,3-Dichloropropene
 Concen: 18.772 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX008170.D
 Acq: 18 Mar 2019 17:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0318WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.9	25.0	37.4
39	55.0	38.5	57.7

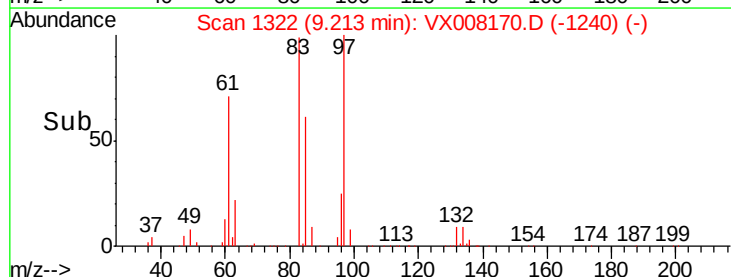
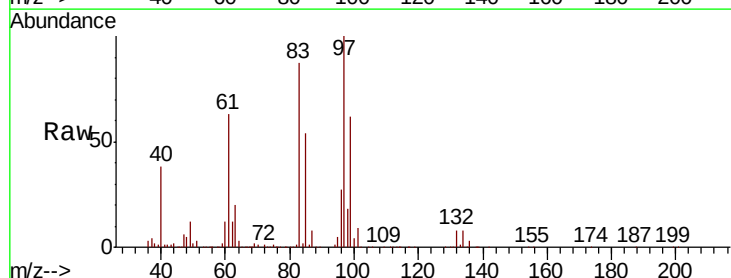
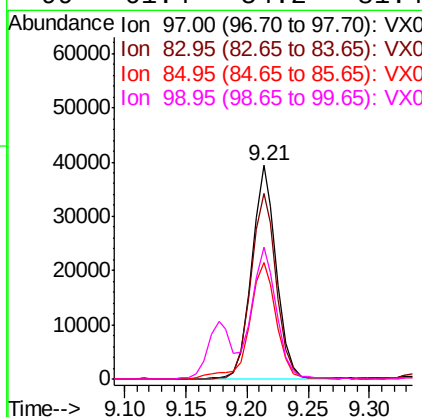
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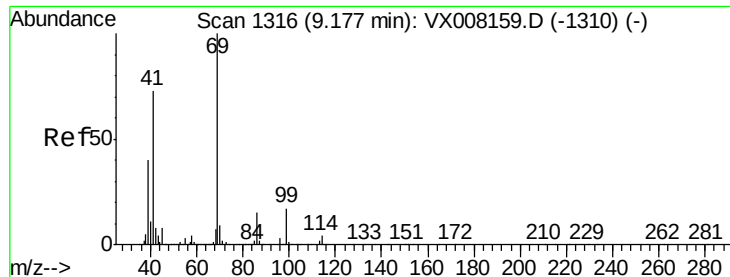
MMDadoda
 3/19/2019 9:37:34 AM



#50
 1,1,2-Trichloroethane
 Concen: 20.086 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008170.D
 Acq: 18 Mar 2019 17:20

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.1	72.0	108.0
85	54.2	45.0	67.6
99	61.4	54.2	81.4





#51

Ethyl methacrylate

Concen: 19.130 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX008170.D

Acq: 18 Mar 2019 17:20

Instrument :

MSVOA_X

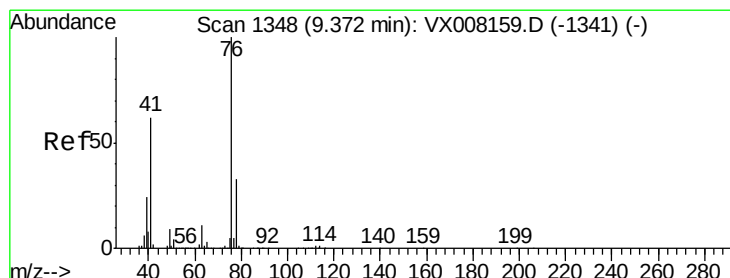
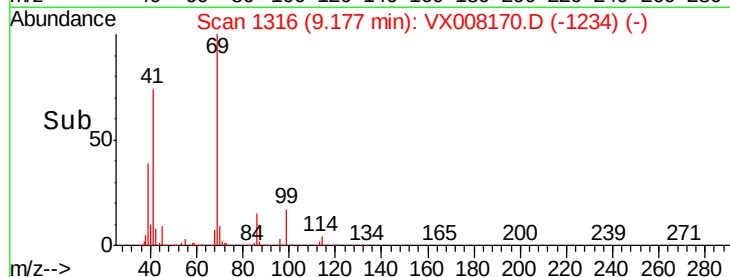
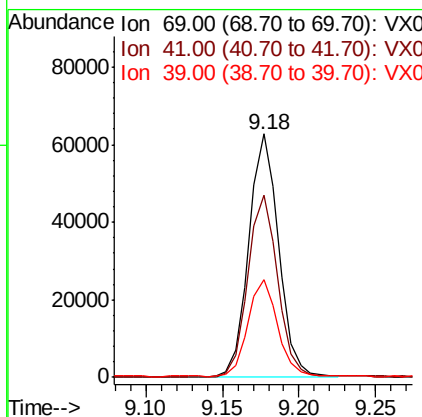
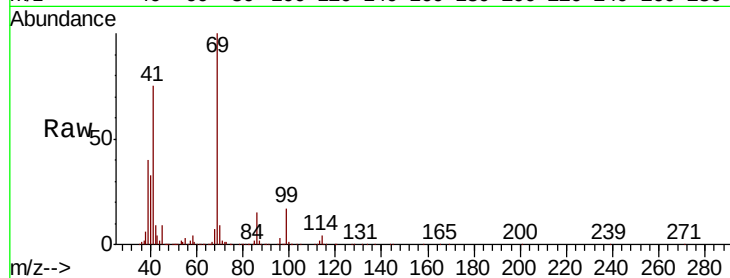
ClientSampleId :

VX0318WBSD01

Tot Ion:	69	Resp:	85710
Ion Ratio	Lower	Upper	
69	100		
41	74.7	32.1	96.5
39	39.7	18.8	56.3

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#52

1,3-Dichloropropane

Concen: 19.342 ug/l

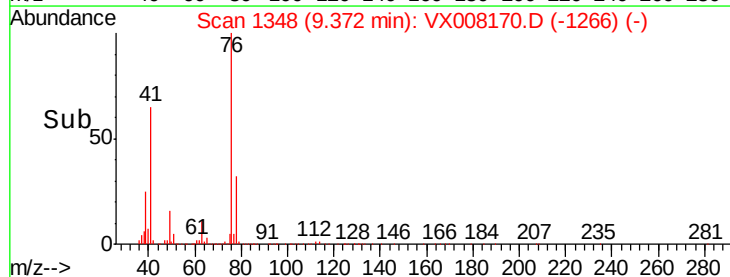
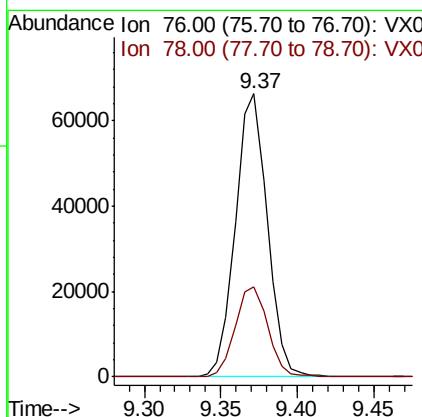
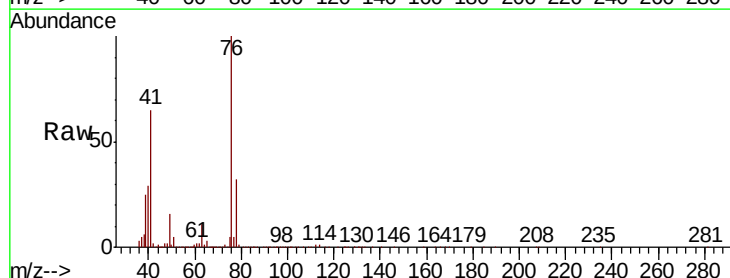
RT: 9.37 min Scan# 1348

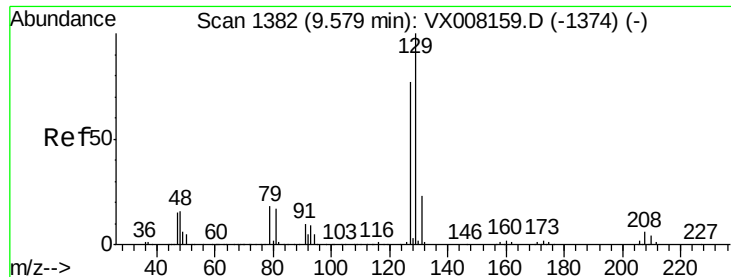
Delta R.T. -0.00 min

Lab File: VX008170.D

Acq: 18 Mar 2019 17:20

Tgt Ion:	76	Resp:	95716
Ion Ratio	Lower	Upper	
76	100		
78	32.6	0.0	65.2





#53

Dibromochloromethane

Concen: 18.826 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX008170.D

Acq: 18 Mar 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

VX0318WBSD01

Tot Ion:129 Resp: 50309

Ion Ratio Lower Upper

129 100

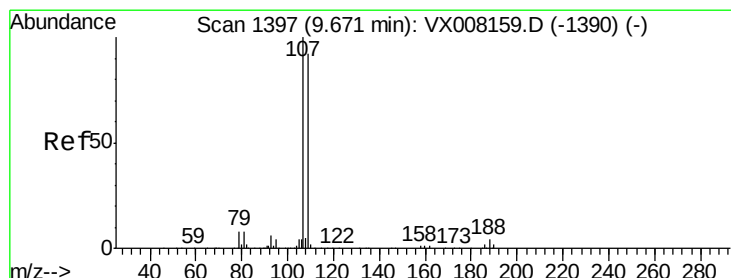
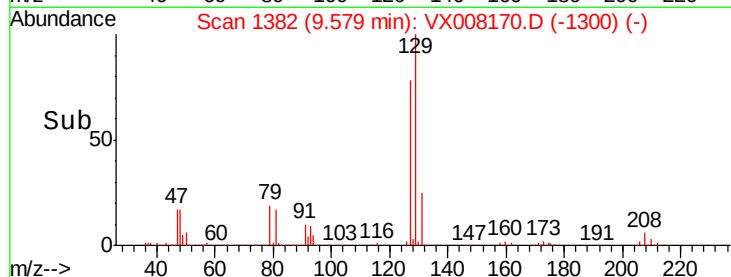
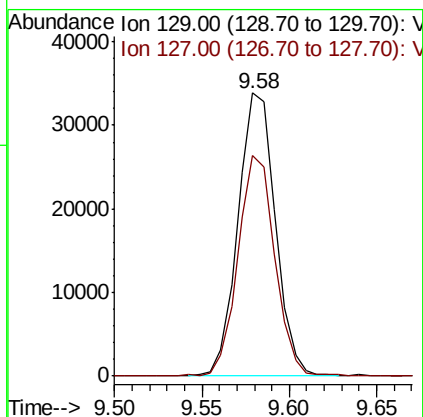
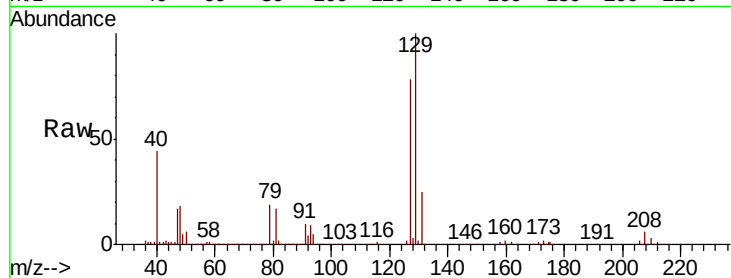
127 77.0 38.4 115.2

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#54

1,2-Dibromoethane

Concen: 19.412 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008170.D

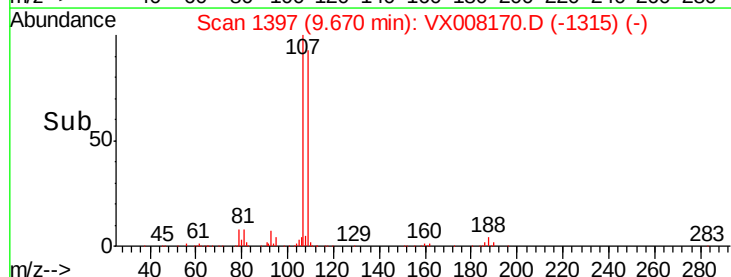
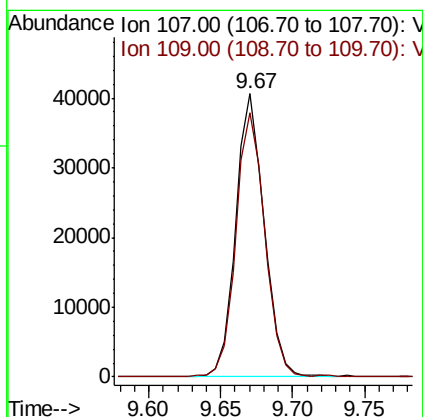
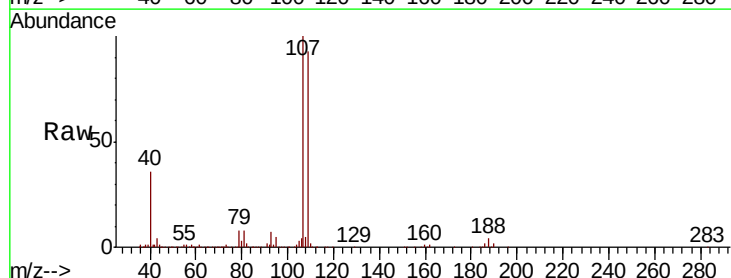
Acq: 18 Mar 2019 17:20

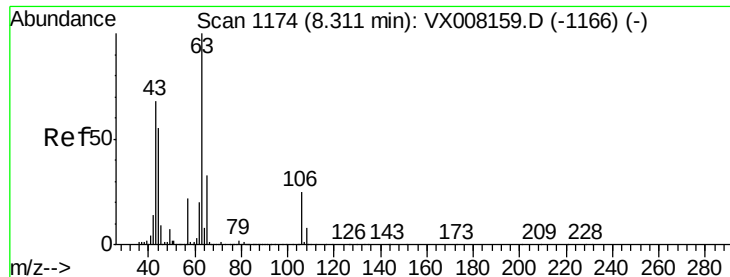
Tgt Ion:107 Resp: 55993

Ion Ratio Lower Upper

107 100

109 93.2 76.6 115.0





#55

2-Chloroethyl vinyl ether

Concen: 99.983 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX008170.D

Acq: 18 Mar 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

VX0318WBSD01

Tot Ion: 63 Resp: 318925

Ion Ratio Lower Upper

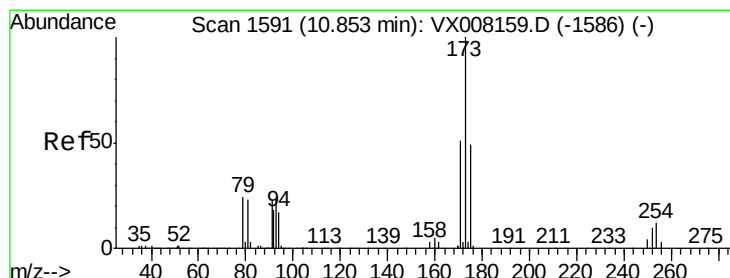
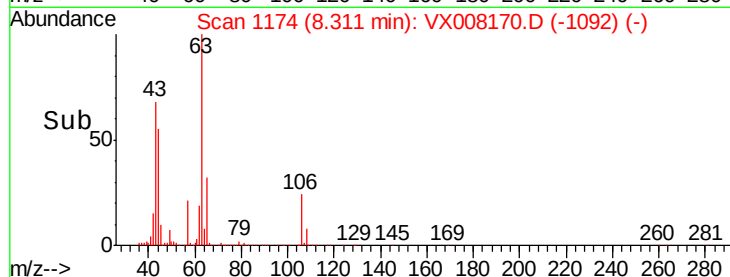
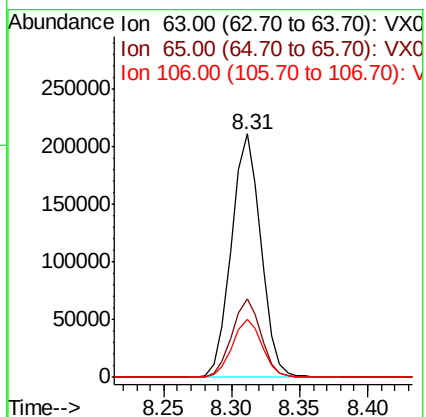
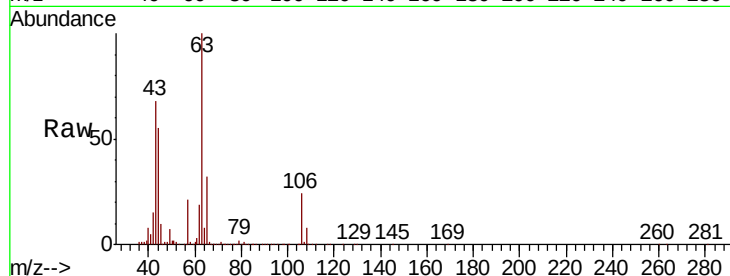
63 100

65 31.7 25.7 38.5

106 24.0 23.7 35.5

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#56

Bromoform

Concen: 18.270 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.01 min

Lab File: VX008170.D

Acq: 18 Mar 2019 17:20

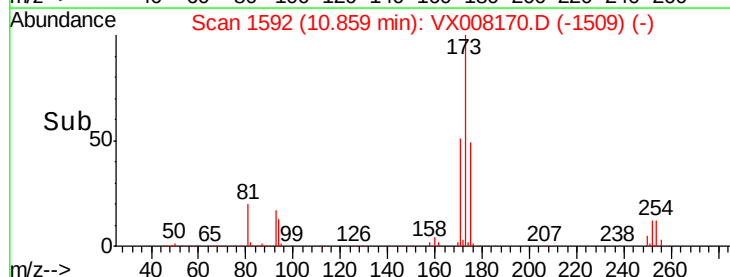
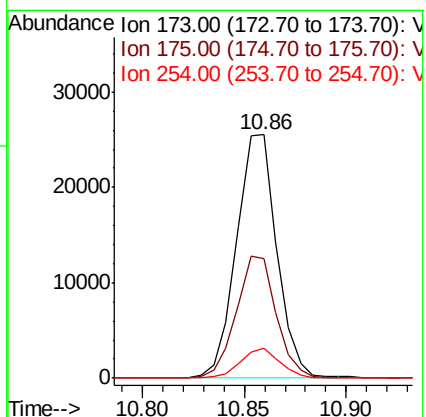
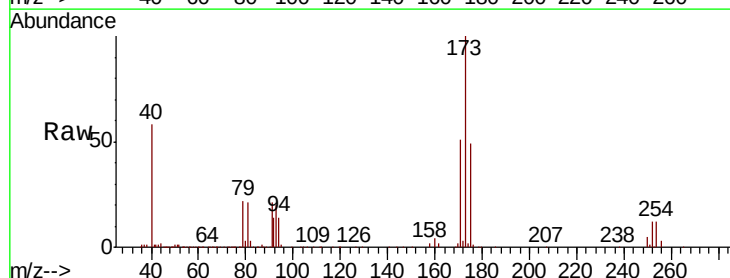
Tgt Ion:173 Resp: 35127

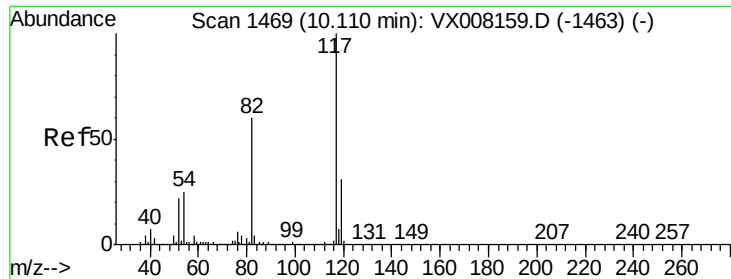
Ion Ratio Lower Upper

173 100

175 49.8 38.5 57.7

254 11.7 7.4 11.2#





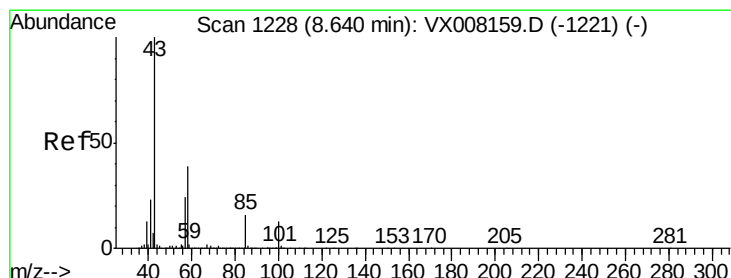
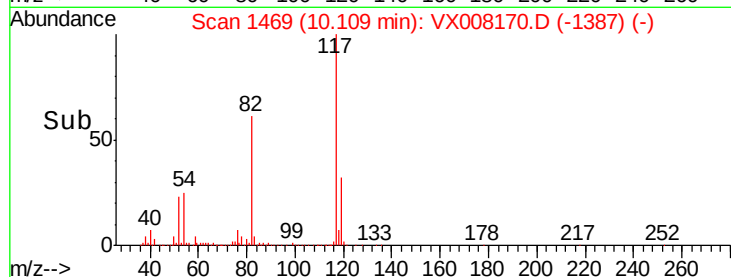
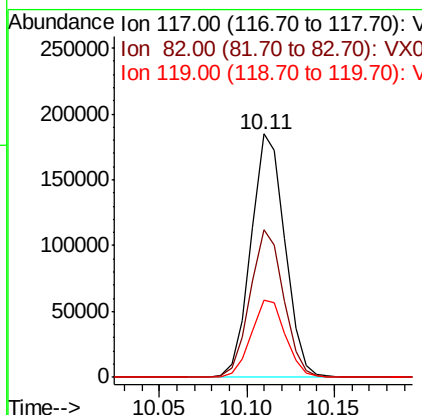
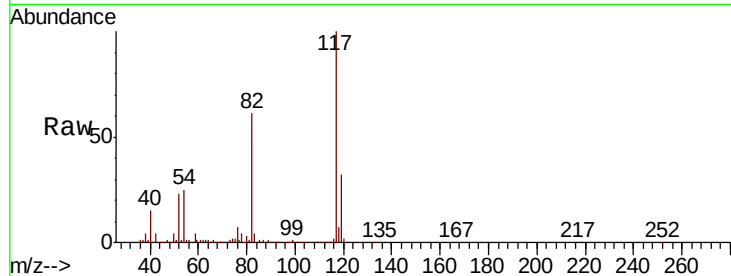
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008170.D
Acq: 18 Mar 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	249694		
82	59.9	40.4	60.6	
119	31.9	25.8	38.6	

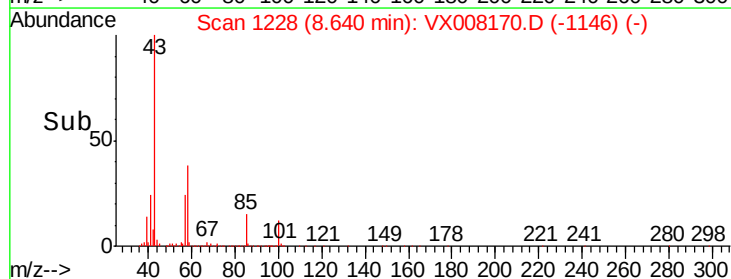
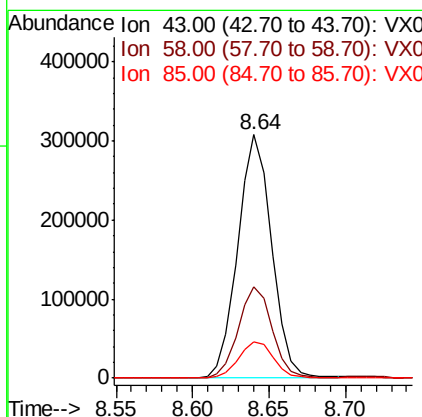
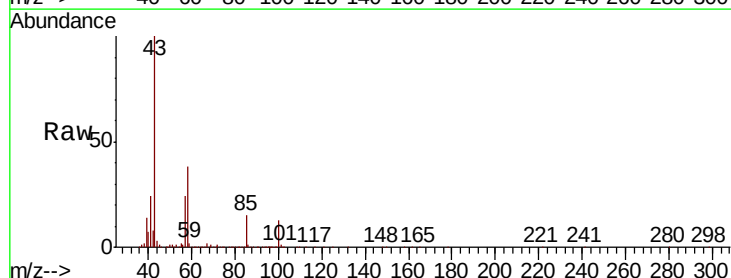
Manual Integrations
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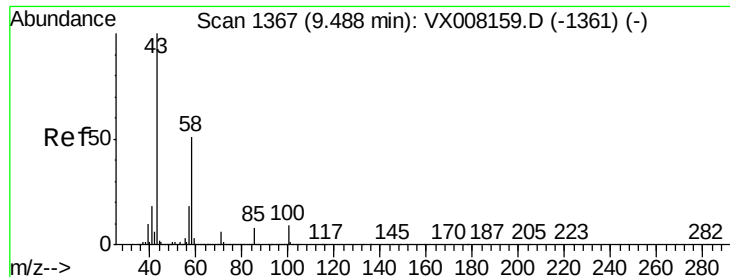
MMDadoda
3/19/2019 9:37:34 AM



#58
4-Methyl-2-Pentanone
Concen: 98.727 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX008170.D
Acq: 18 Mar 2019 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	471466		
58	37.6	31.4	47.0	
85	15.5	15.0	22.6	





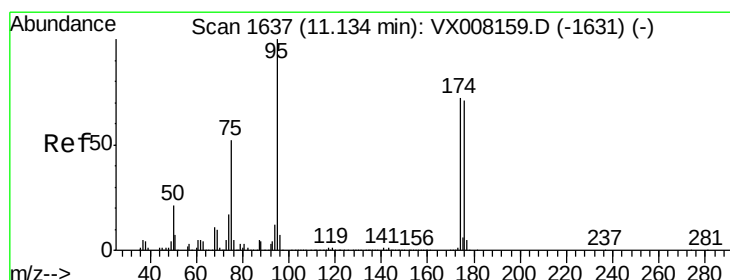
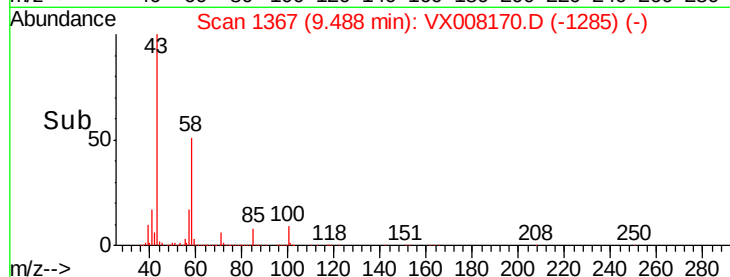
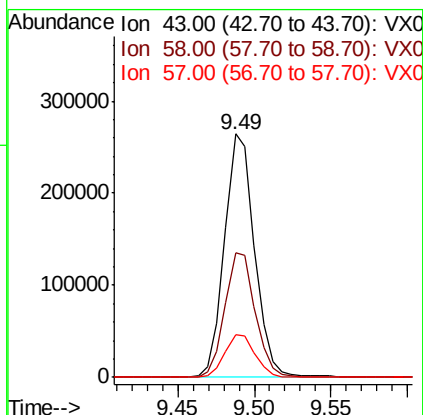
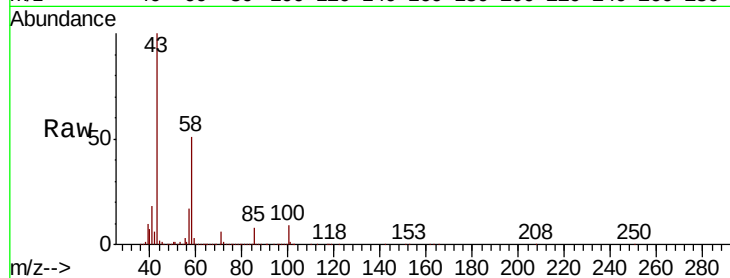
#59
2-Hexanone
Concen: 95.359 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX008170.D
Acq: 18 Mar 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.0	43.9	65.9
57	17.9	14.9	22.3

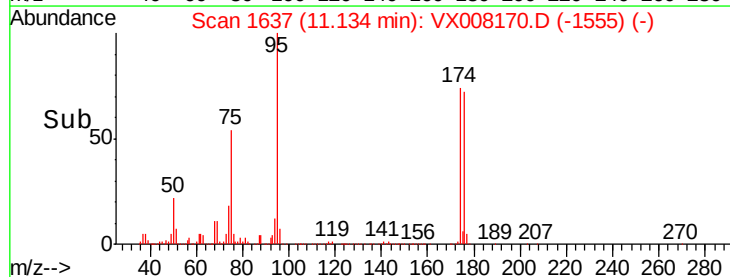
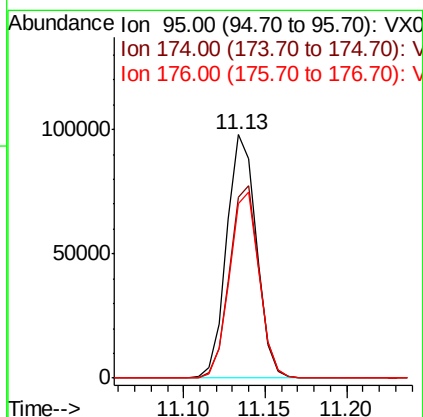
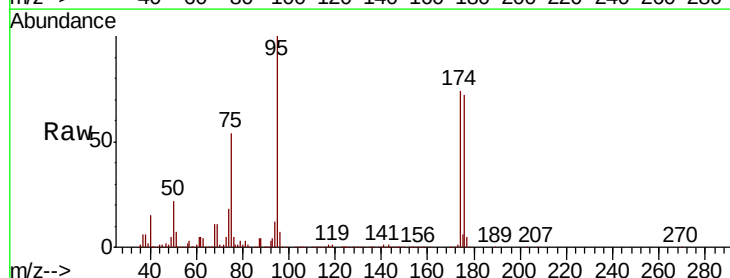
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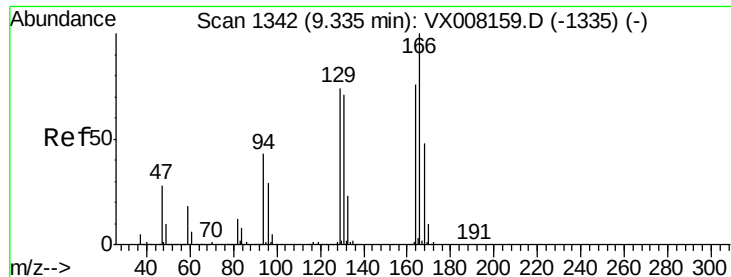
MMDadoda
3/19/2019 9:37:34 AM



#60
4-Bromofluorobenzene
Concen: 29.723 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008170.D
Acq: 18 Mar 2019 17:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.6	74.9	112.3
176	76.2	70.7	106.1





#61

Tetrachloroethene

Concen: 20.188 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX008170.D

Acq: 18 Mar 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

VX0318WBSD01

Tot Ion:164 Resp: 50767

Ion Ratio Lower Upper

164 100

166 124.5 103.9 155.9

129 96.9 74.7 112.1

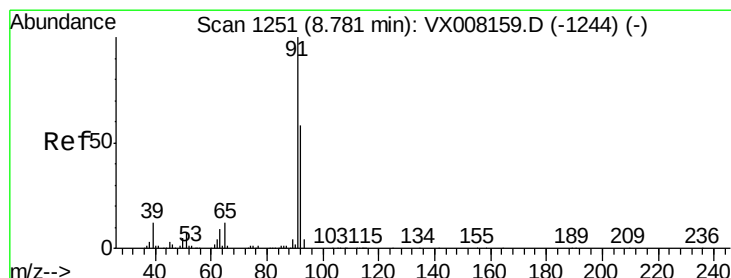
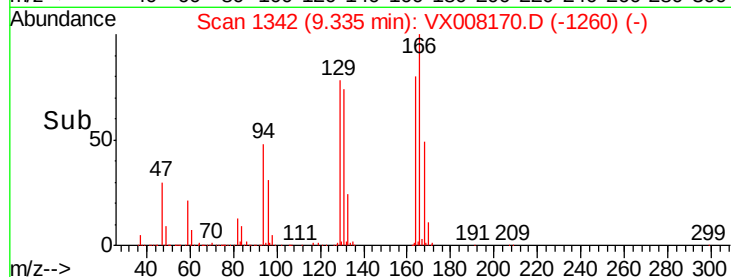
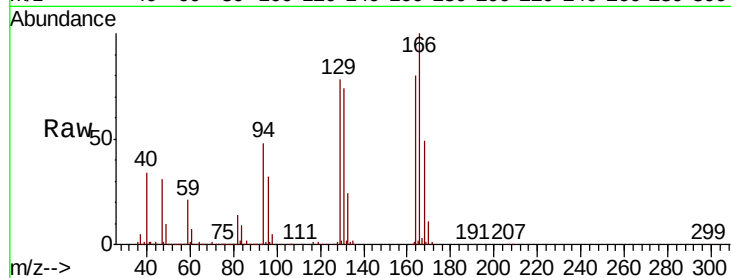
131 92.6 71.7 107.5

Manual Integrations

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#62

Toluene

Concen: 19.465 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX008170.D

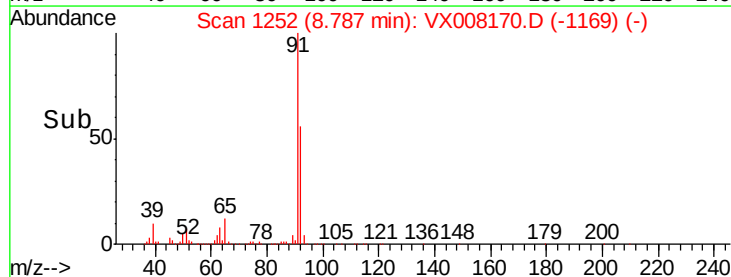
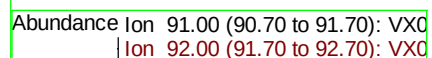
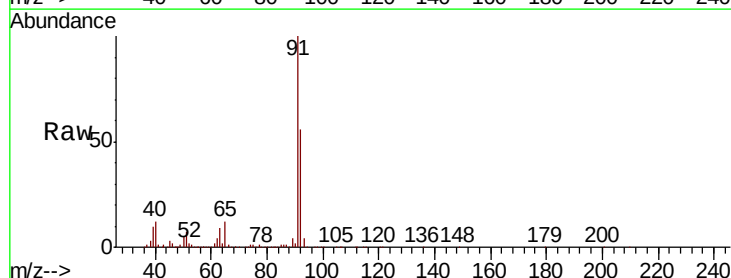
Acq: 18 Mar 2019 17:20

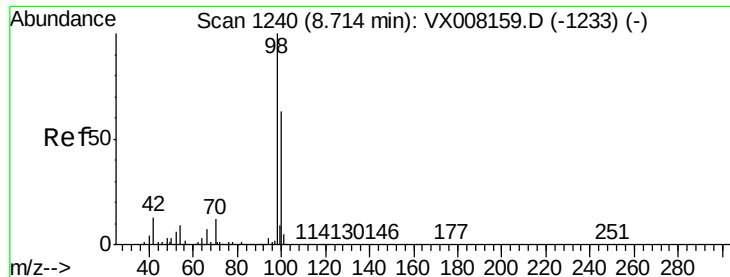
Tgt Ion: 91 Resp: 229856

Ion Ratio Lower Upper

91 100

92 57.0 46.4 69.6





#63

Toluene-d8

Concen: 30.332 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008170.D

Acq: 18 Mar 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

VX0318WBSD01

Tot Ion: 98 Resp: 367984

Ion Ratio Lower Upper

98 100

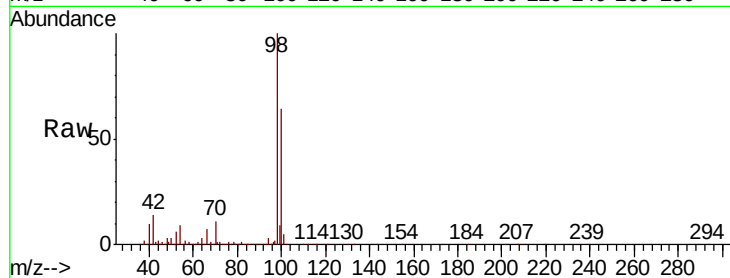
100 63.1 50.9 76.3

Manual Integrations

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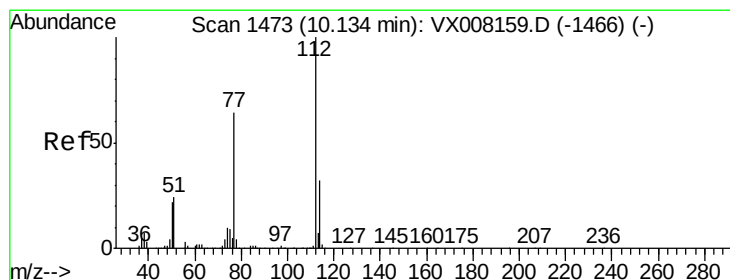
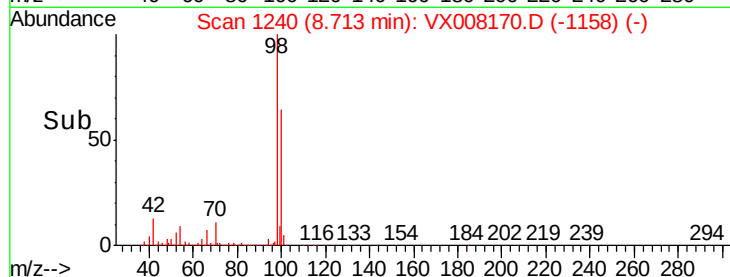
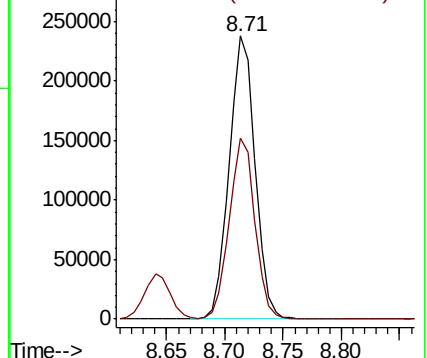
MMDadoda

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Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#64

Chlorobenzene

Concen: 19.192 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX008170.D

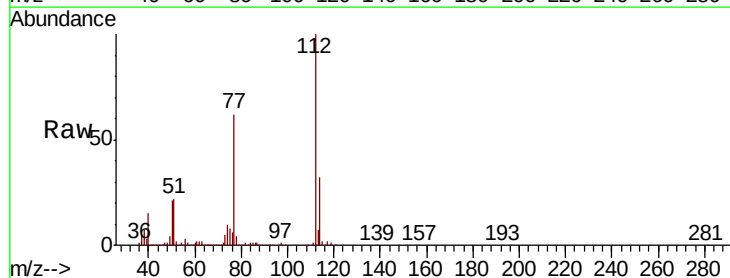
Acq: 18 Mar 2019 17:20

Tgt Ion: 112 Resp: 134881

Ion Ratio Lower Upper

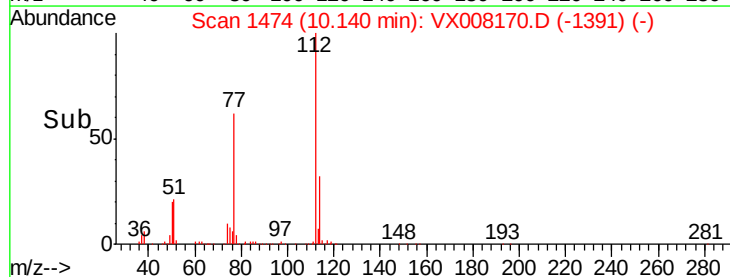
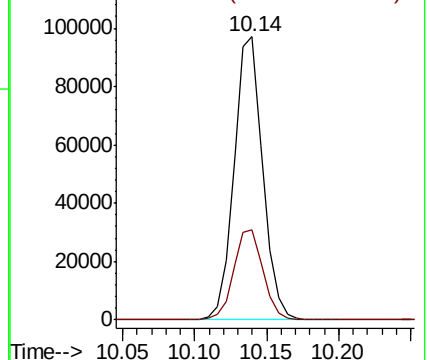
112 100

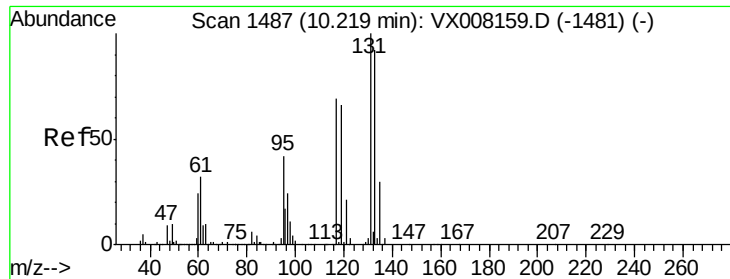
114 31.8 25.4 38.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#65

1,1,1,2-Tetrachloroethane

Concen: 19.729 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX008170.D

Acq: 18 Mar 2019 17:20

Instrument :

MSVOA_X

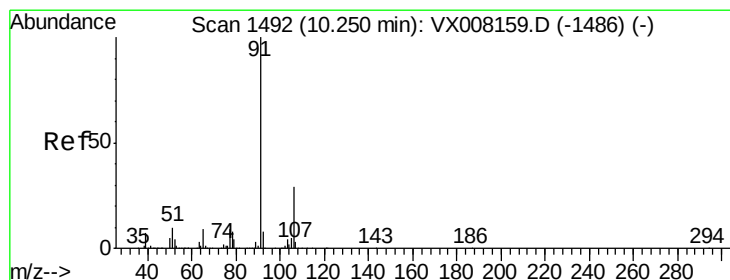
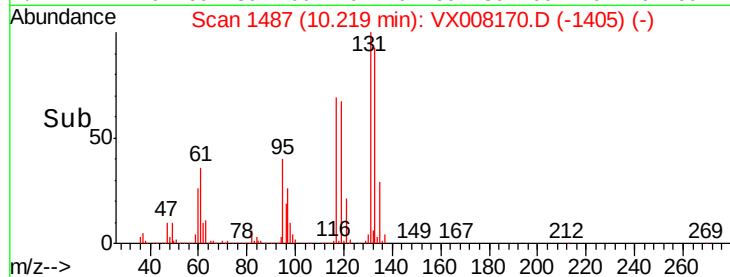
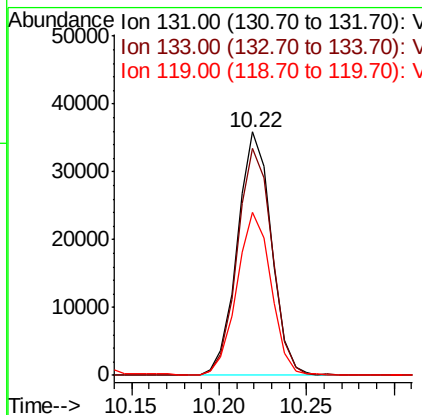
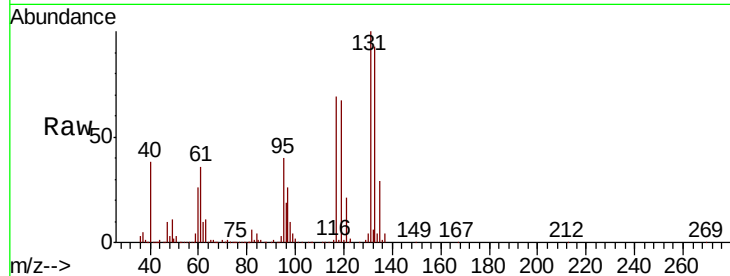
ClientSampleId :

VX0318WBSD01

Tot Ion:	131	Resp:	48621
Ion Ratio	Lower	Upper	
131	100		
133	94.7	0.0	191.6
119	67.7	0.0	127.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.096 ug/l

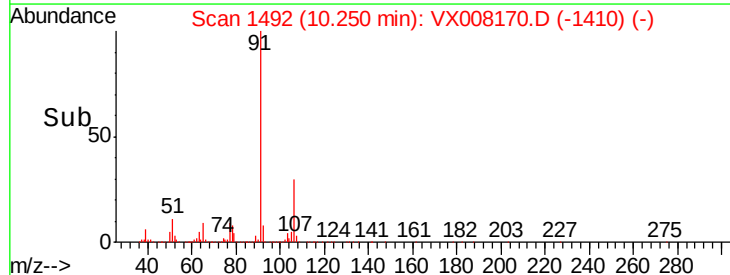
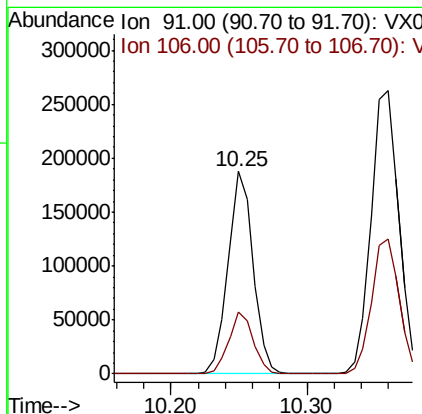
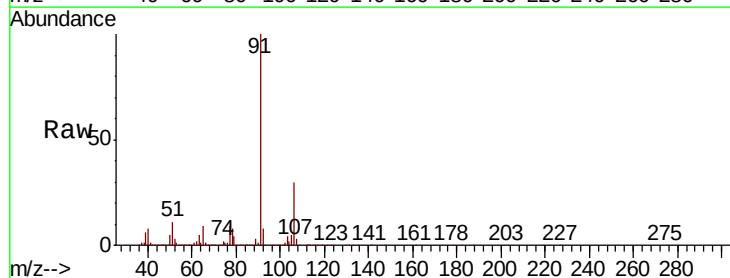
RT: 10.25 min Scan# 1492

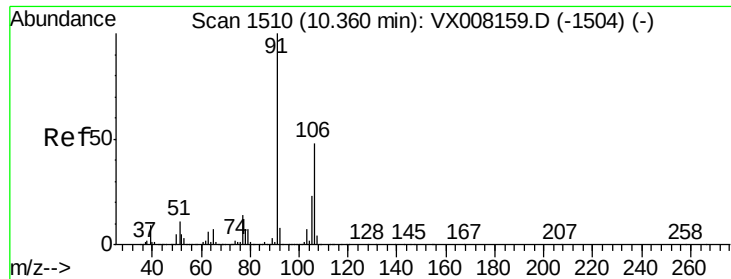
Delta R.T. -0.00 min

Lab File: VX008170.D

Acq: 18 Mar 2019 17:20

Tgt Ion:	91	Resp:	240854
Ion Ratio	Lower	Upper	
91	100		
106	30.4	26.0	39.0





#67

m/p-Xylenes

Concen: 37.805 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX008170.D

Acq: 18 Mar 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

VX0318WBSD01

Tot Ion:106 Resp: 176152

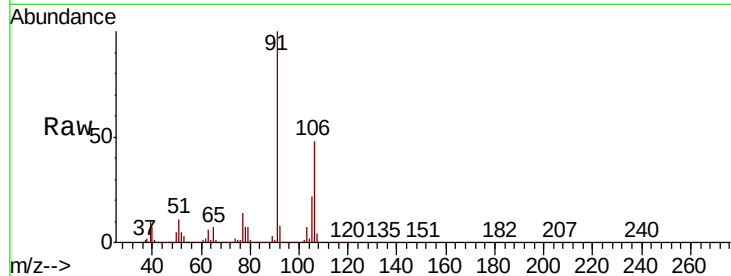
Ion Ratio Lower Upper

106 100

91 210.9 157.0 235.4

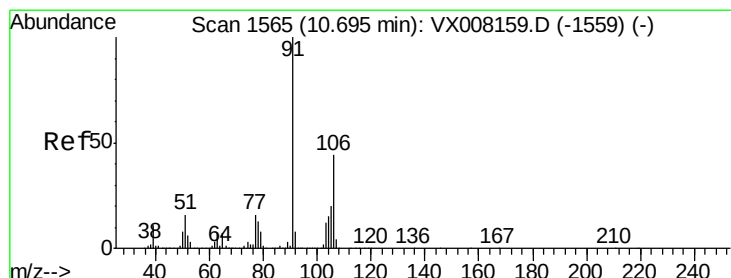
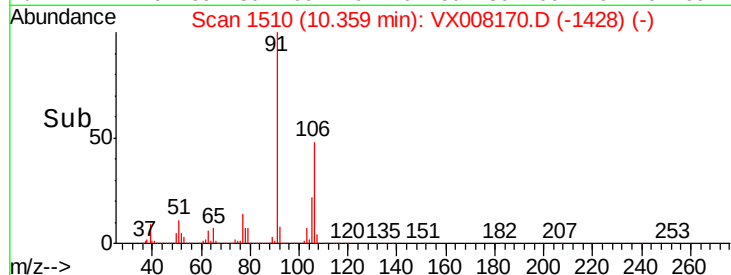
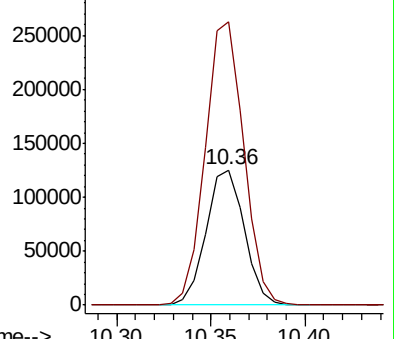
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 19.168 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VX008170.D

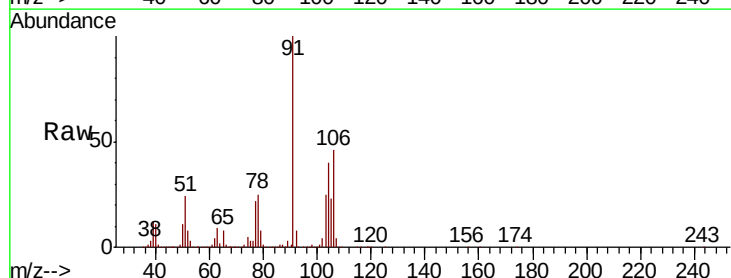
Acq: 18 Mar 2019 17:20

Tgt Ion:106 Resp: 85825

Ion Ratio Lower Upper

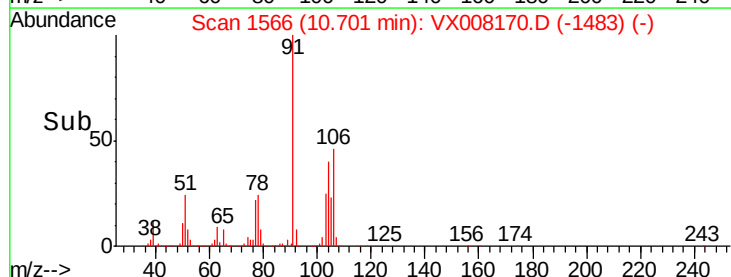
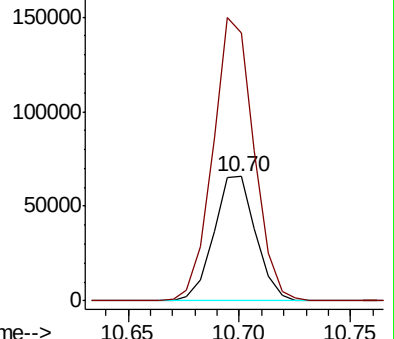
106 100

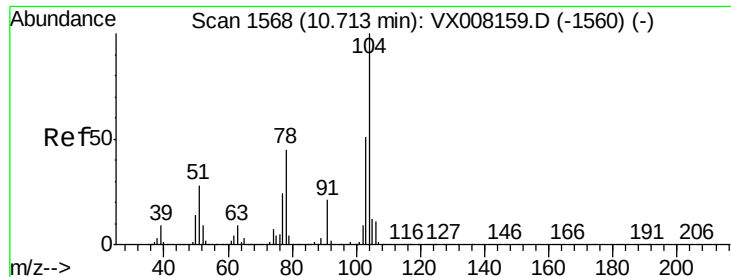
91 223.1 104.4 313.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





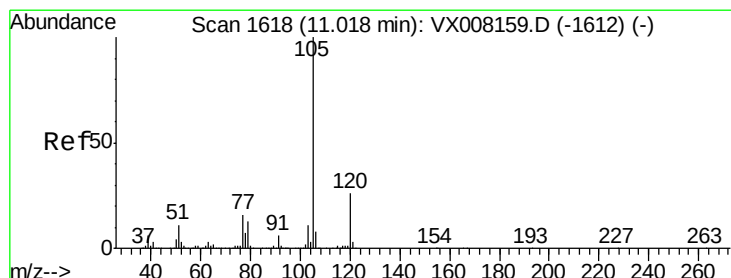
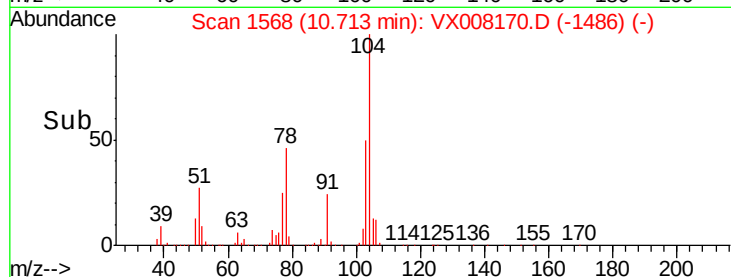
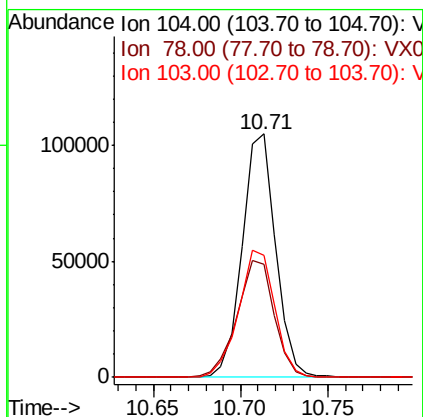
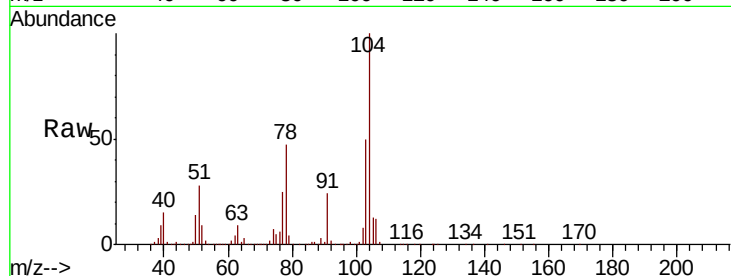
#69
Stvrene
Concen: 19.173 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008170.D
Acq: 18 Mar 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBSD01

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.2	38.2	57.2
103	56.4	45.0	67.4

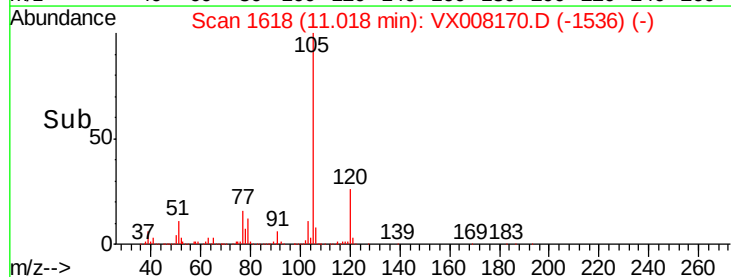
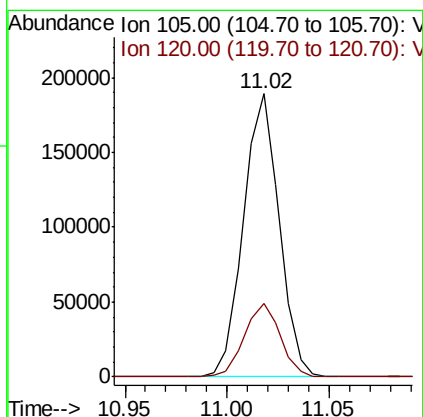
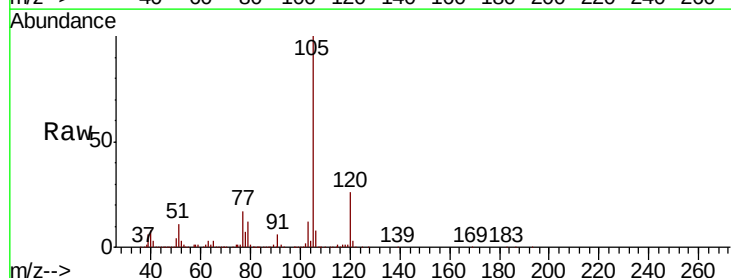
Manual Integrations
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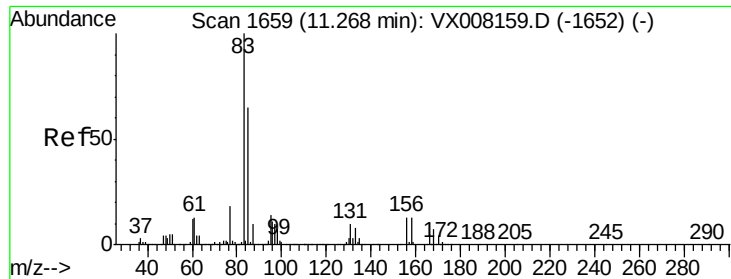
MMDadoda
3/19/2019 9:37:34 AM



#70
Isopropylbenzene
Concen: 19.098 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX008170.D
Acq: 18 Mar 2019 17:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.0	19.8	36.8





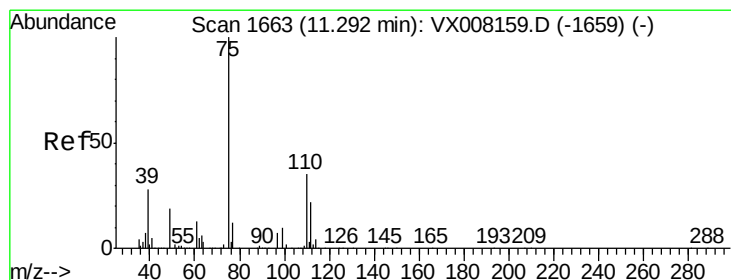
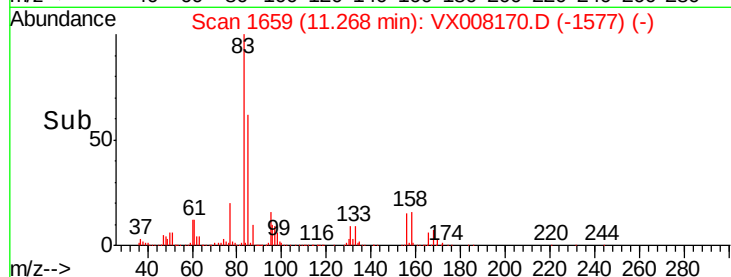
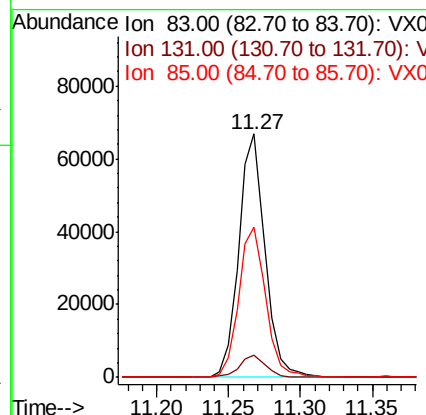
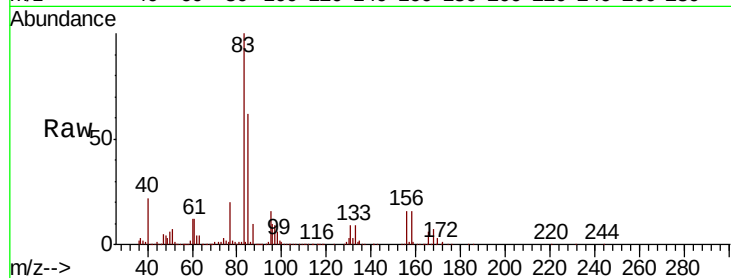
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.213 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX008170.D
 Acq: 18 Mar 2019 17:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0318WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.1	5.4	16.2
85	63.7	32.8	98.4

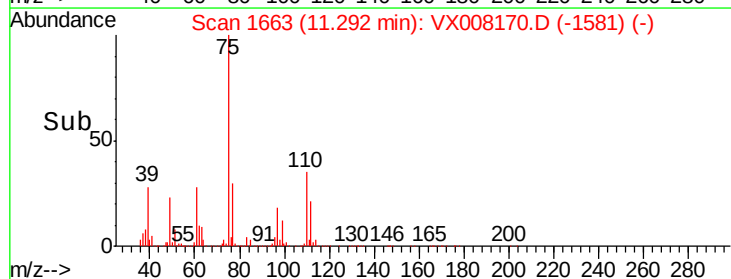
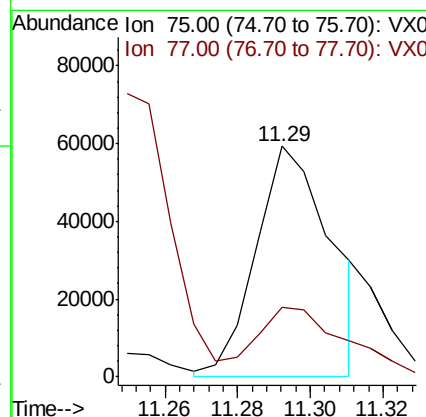
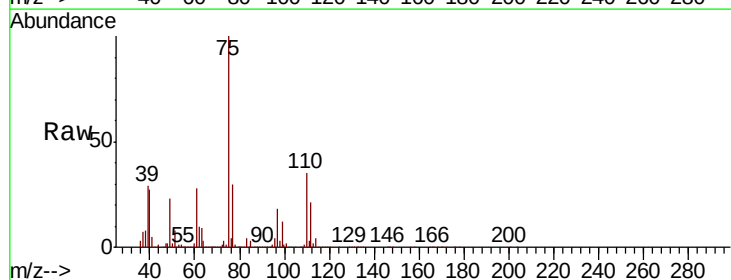
Manual Integrations
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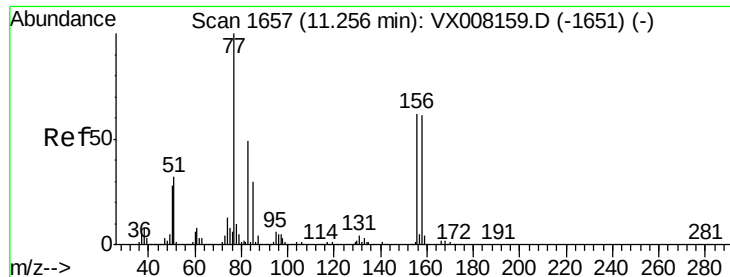
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 3/19/2019 9:37:34 AM



#72
 1,2,3-Trichloropropane
 Concen: 23.296 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX008170.D
 Acq: 18 Mar 2019 17:20

Tgt Ion	Ratio	Lower	Upper
75	100		
77	36.6	0.0	76.4





#73

Bromobenzene

Concen: 19.215 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008170.D

Acq: 18 Mar 2019 17:20

Instrument :

MSVOA_X

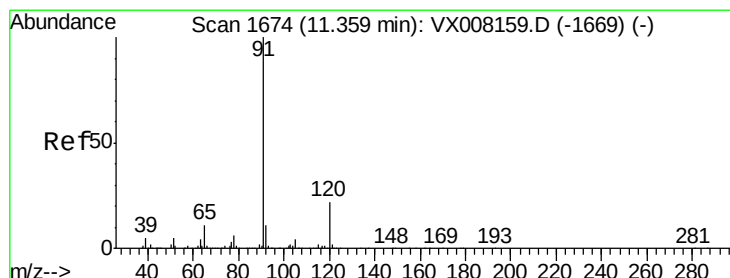
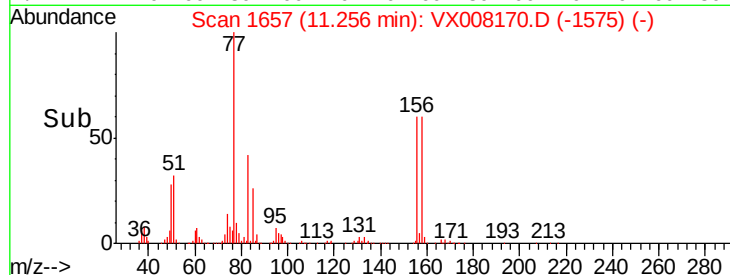
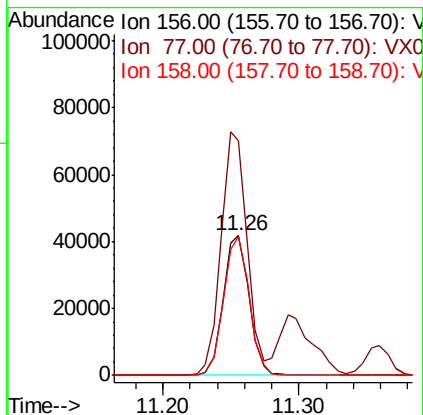
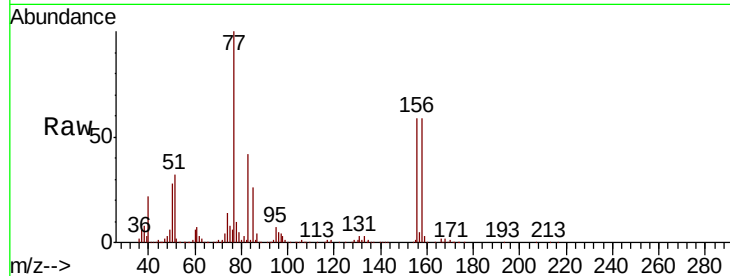
ClientSampleId :

VX0318WBSD01

Tot Ion:	156	Resp:	54917
Ion Ratio	Lower	Upper	
156	100		
77	173.6	0.0	271.4
158	98.6	0.0	194.0

Manual Integrations
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#74

n-propylbenzene

Concen: 18.641 ug/l

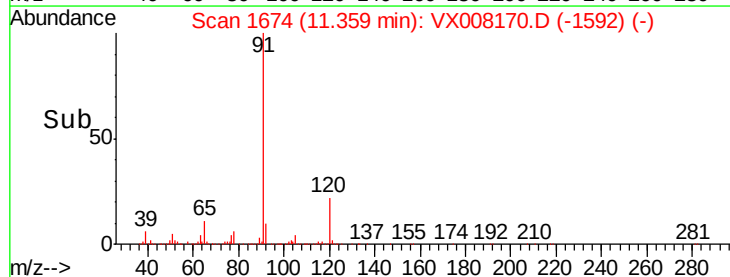
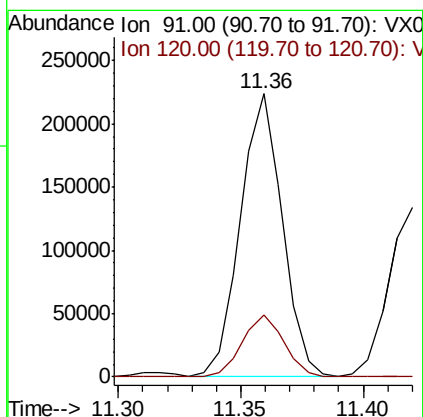
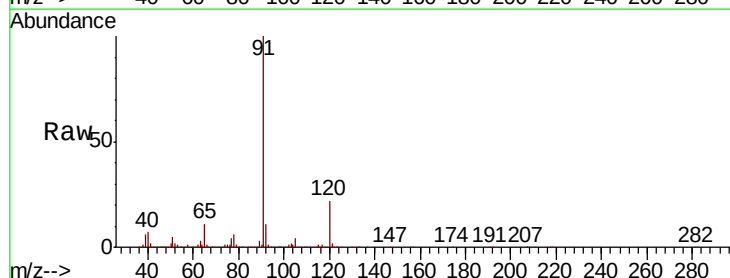
RT: 11.36 min Scan# 1674

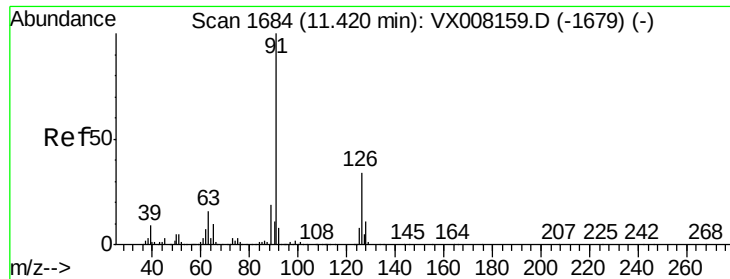
Delta R.T. -0.00 min

Lab File: VX008170.D

Acq: 18 Mar 2019 17:20

Tgt Ion:	91	Resp:	266451
Ion Ratio	Lower	Upper	
91	100		
120	21.8	0.0	48.6





#75

2-Chlorotoluene

Concen: 19.557 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008170.D

Acq: 18 Mar 2019 17:20

Instrument :

MSVOA_X

ClientSampled :

VX0318WBSD01

Tot Ion: 91 Resp: 164227

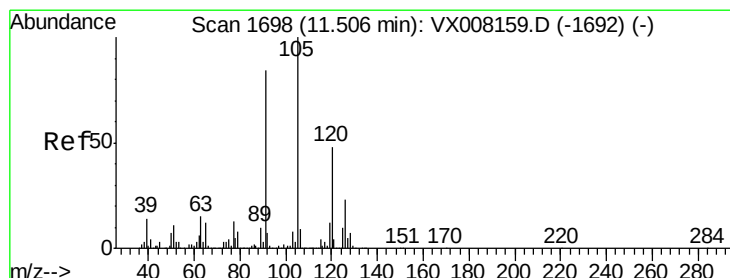
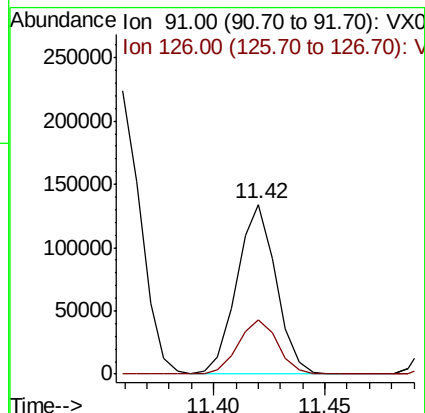
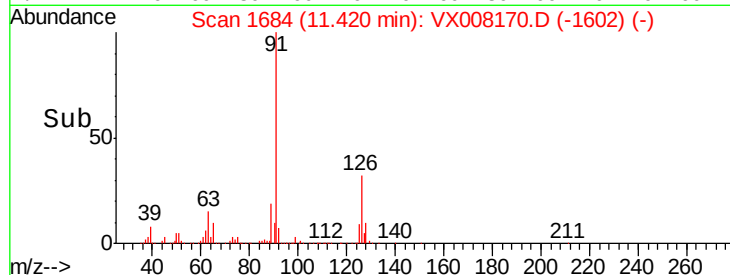
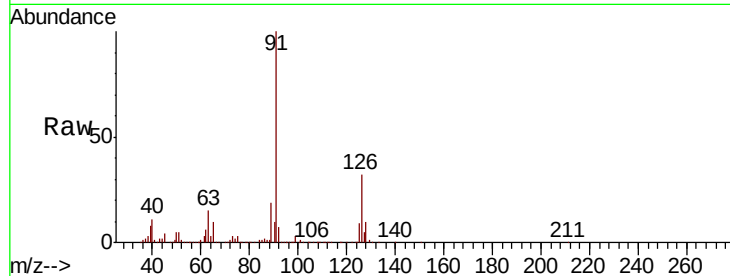
Ion Ratio Lower Upper

91 100

126 32.0 0.0 75.2

Manual Integrations
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#76

1,3,5-Trimethylbenzene

Concen: 19.152 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008170.D

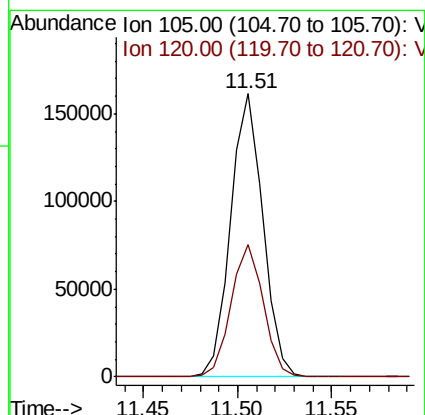
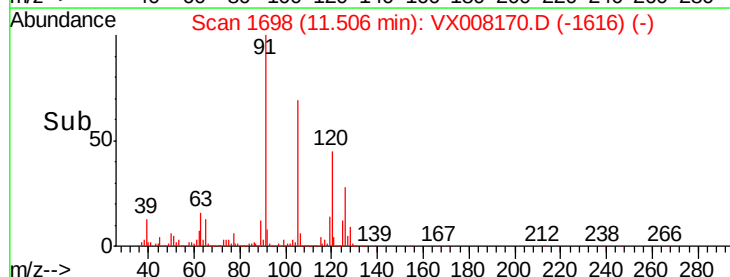
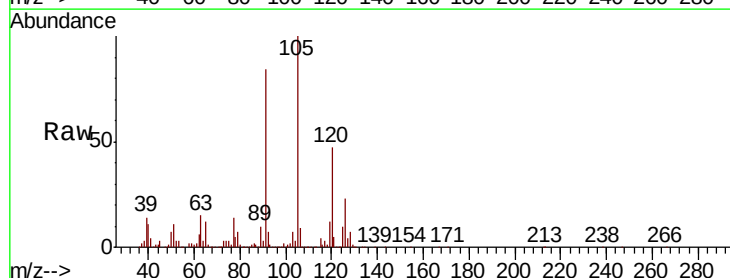
Acq: 18 Mar 2019 17:20

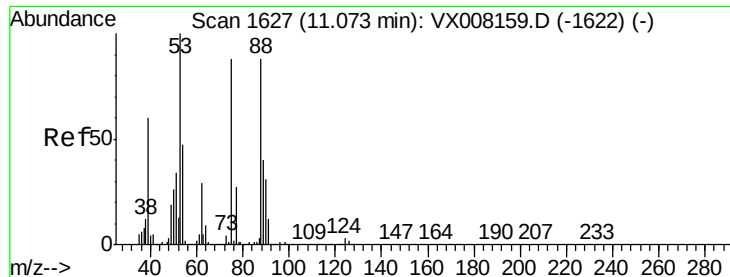
Tgt Ion: 105 Resp: 191206

Ion Ratio Lower Upper

105 100

120 46.9 0.0 101.0





#77

t-1,4-Dichloro-2-butene

Concen: 18.360 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008170.D

Acq: 18 Mar 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

VX0318WBSD01

Tot Ion: 75 Resp: 24059

Ion Ratio Lower Upper

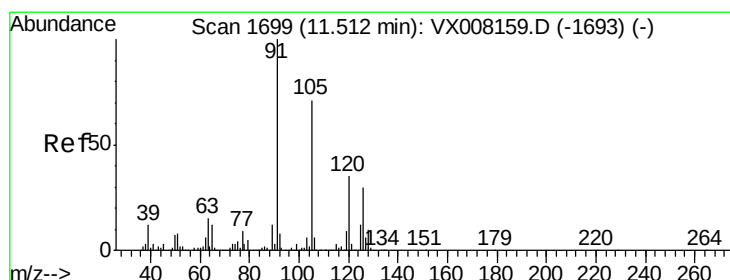
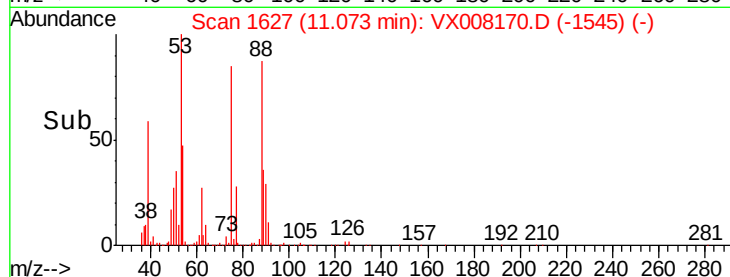
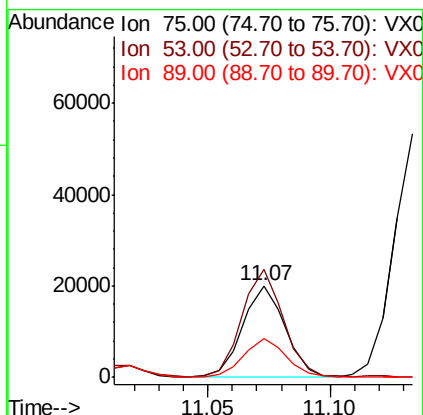
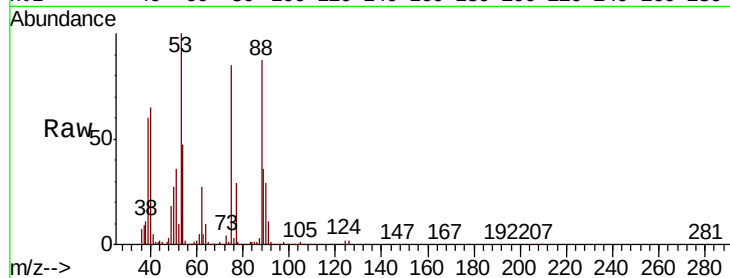
75 100

53 117.4 55.5 166.7

89 42.3 24.4 73.2

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#78

4-Chlorotoluene

Concen: 18.964 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX008170.D

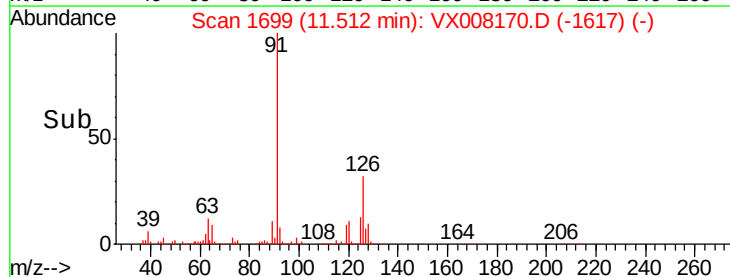
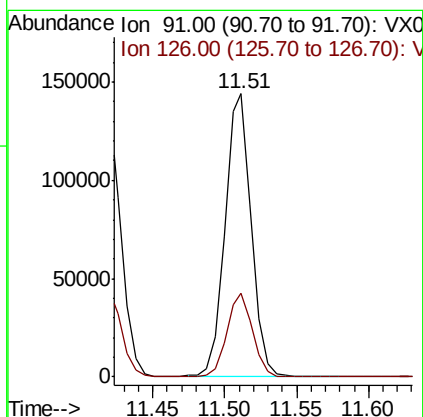
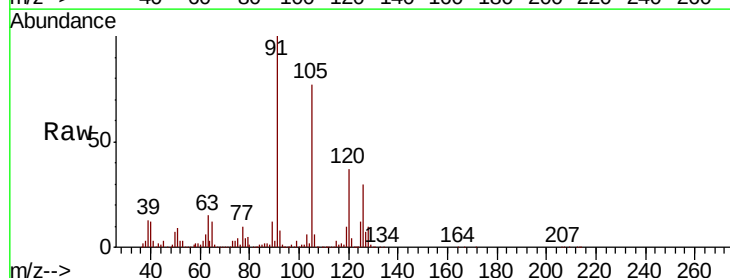
Acq: 18 Mar 2019 17:20

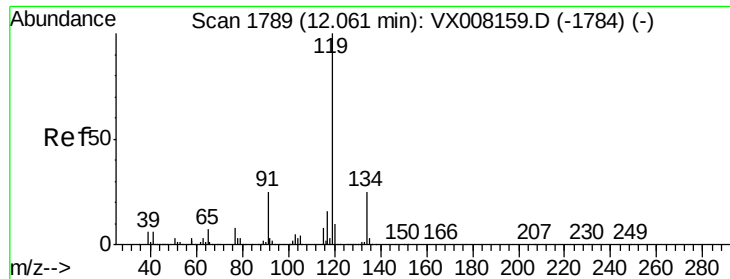
Tgt Ion: 91 Resp: 183436

Ion Ratio Lower Upper

91 100

126 28.7 0.0 66.2





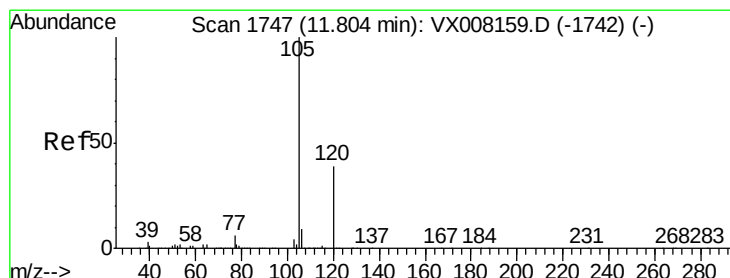
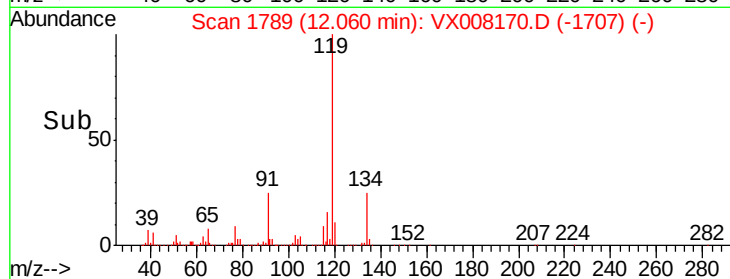
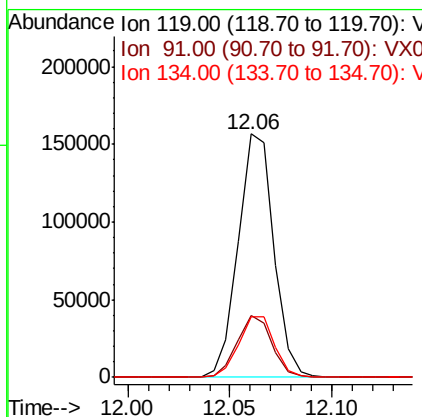
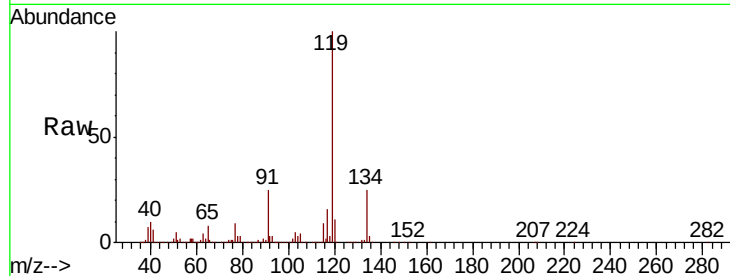
#79
tert-butylbenzene
Concen: 18.690 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX008170.D
Acq: 18 Mar 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	190015		
91	24.6		0.0	45.0
134	25.3		0.0	55.4

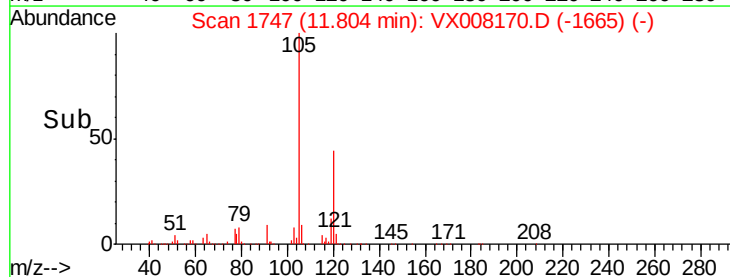
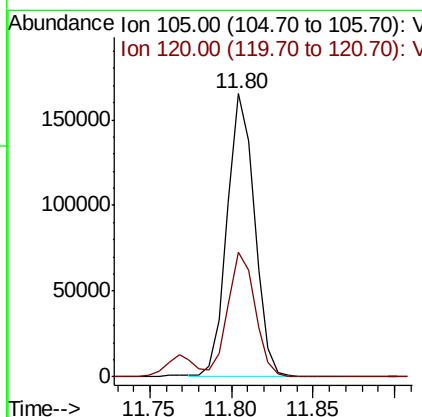
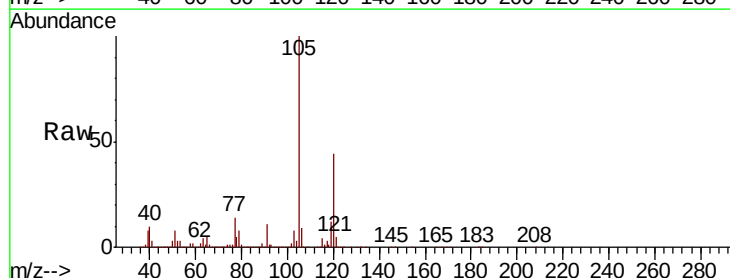
Manual Integrations
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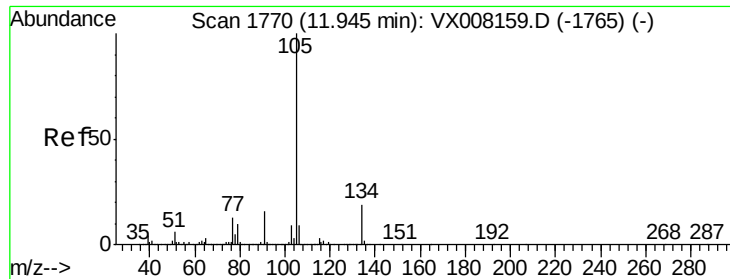
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#80
1,2,4-Trimethylbenzene
Concen: 19.153 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX008170.D
Acq: 18 Mar 2019 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	193006		
120	43.7		0.0	94.0





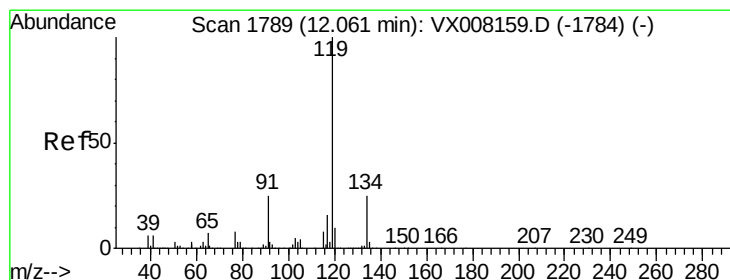
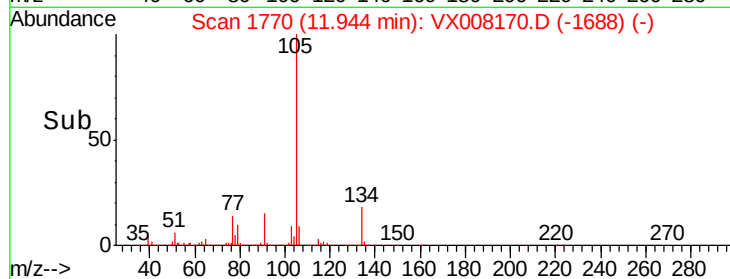
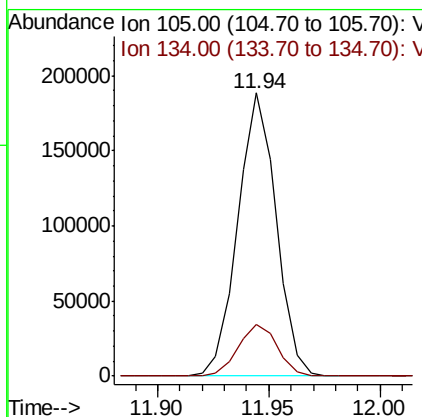
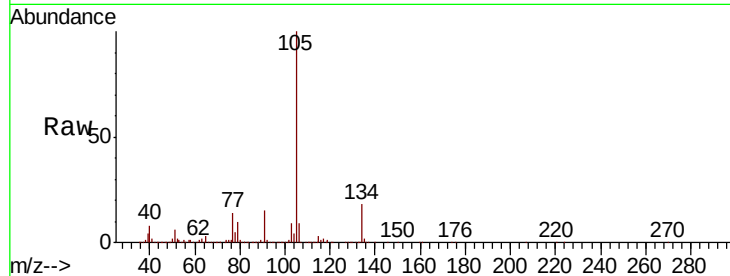
#81
 sec-Butylbenzene
 Concen: 18.902 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX008170.D
 Acq: 18 Mar 2019 17:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0318WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	225357		
134	18.9	0.0	41.8	

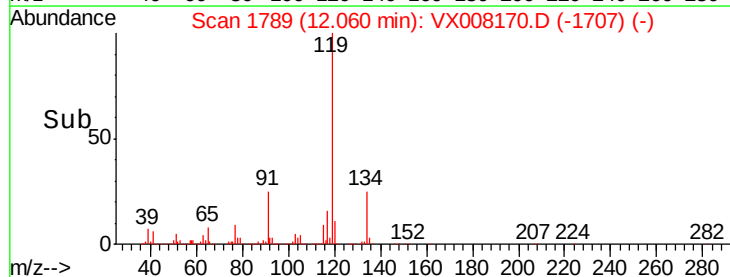
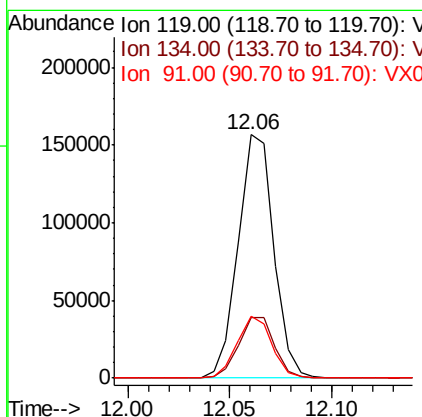
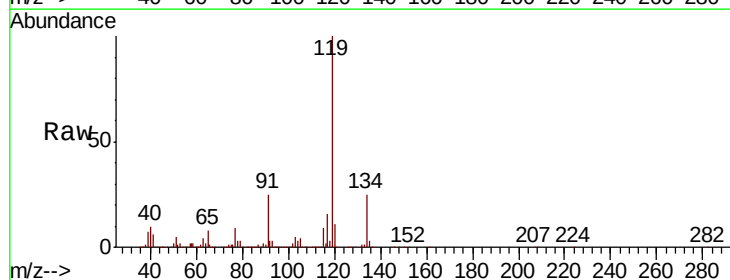
Manual Integrations
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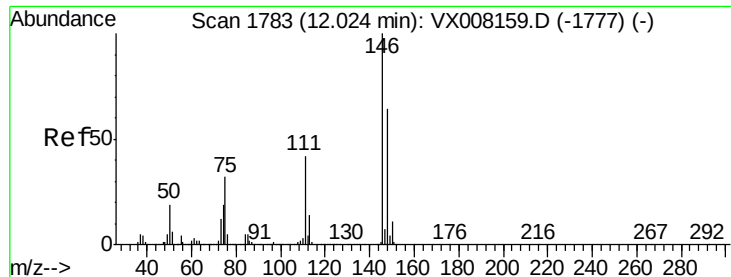
MMDadoda
 3/19/2019 9:37:34 AM



#82
 p-Isopropyltoluene
 Concen: 18.690 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX008170.D
 Acq: 18 Mar 2019 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	190015		
134	25.3	0.0	55.4	
91	24.6	0.0	45.0	





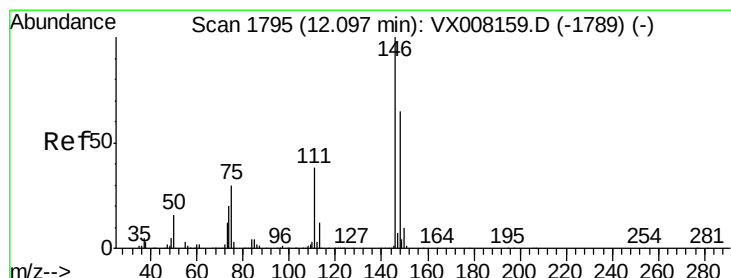
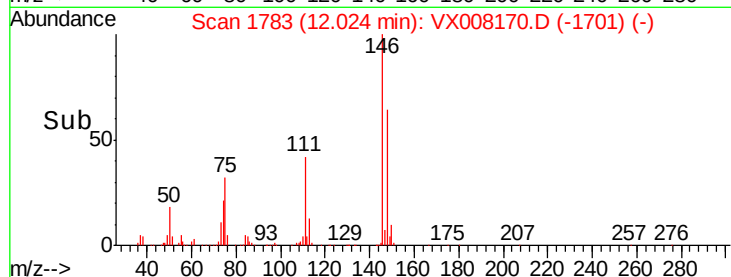
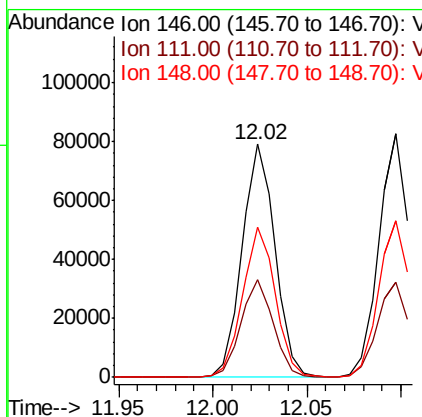
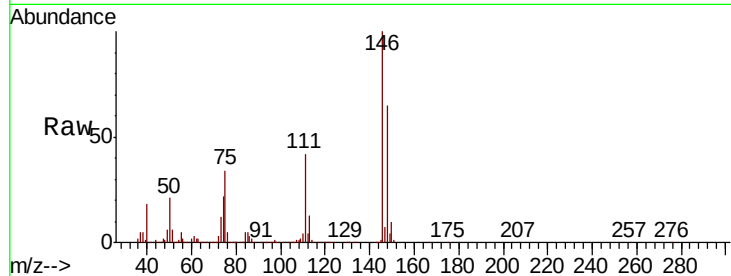
#83
 1,3-Dichlorobenzene
 Concen: 18.694 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008170.D
 Acq: 18 Mar 2019 17:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0318WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	18.8	56.3
148	63.9	30.6	91.8

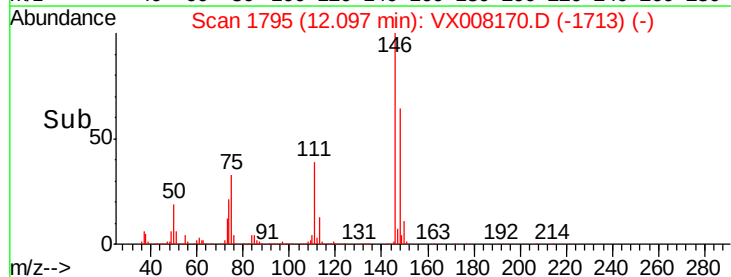
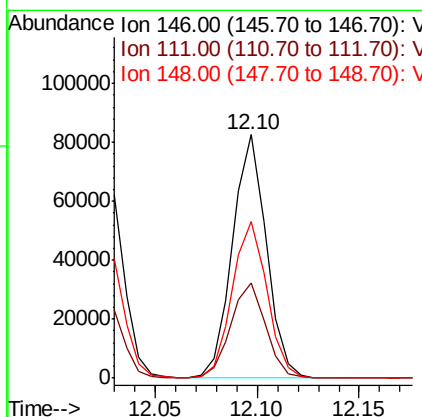
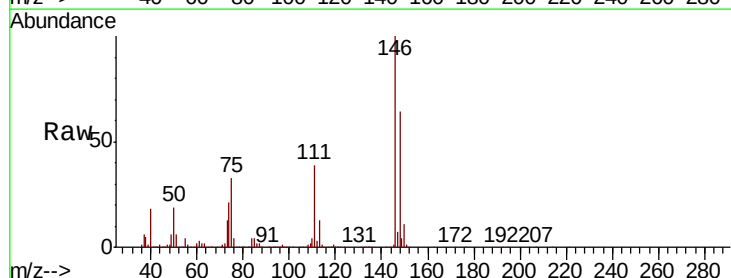
Manual Integrations
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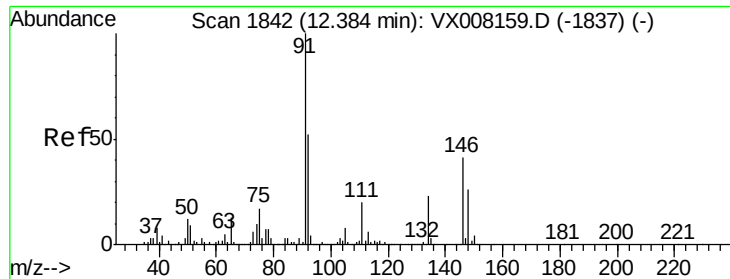
MMDadoda
 3/19/2019 9:37:34 AM



#84
 1,4-Dichlorobenzene
 Concen: 18.675 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008170.D
 Acq: 18 Mar 2019 17:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	17.6	52.8
148	65.9	31.4	94.2





#85

n-Butylbenzene

Concen: 17.933 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX008170.D

Acq: 18 Mar 2019 17:20

Instrument :

MSVOA_X

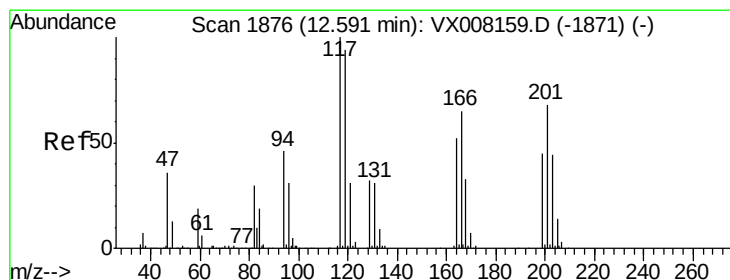
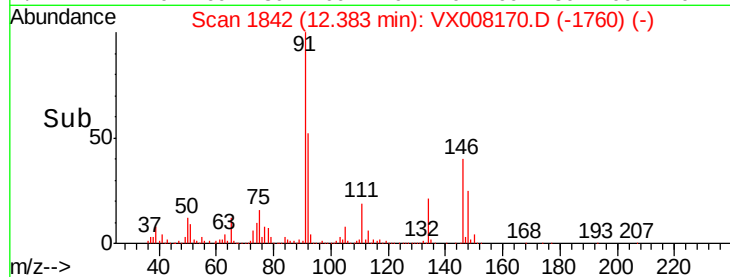
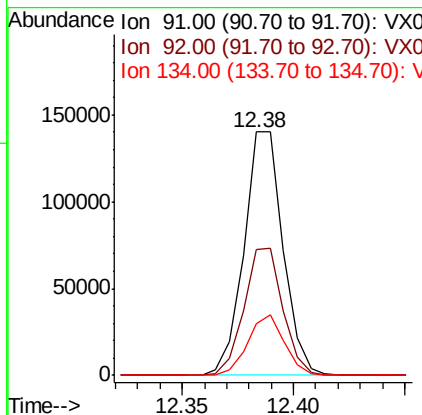
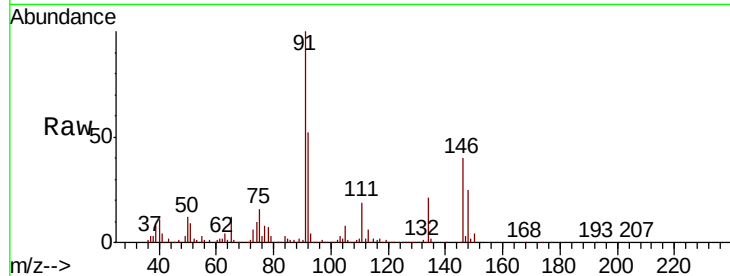
ClientSampleId :

VX0318WBSD01

Tot Ion:	91	Resp:	171917
Ion	Ratio	Lower	Upper
91	100		
92	52.2	0.0	105.2
134	23.4	0.0	56.4

Manual Integrations
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#86

Hexachloroethane

Concen: 18.536 ug/l

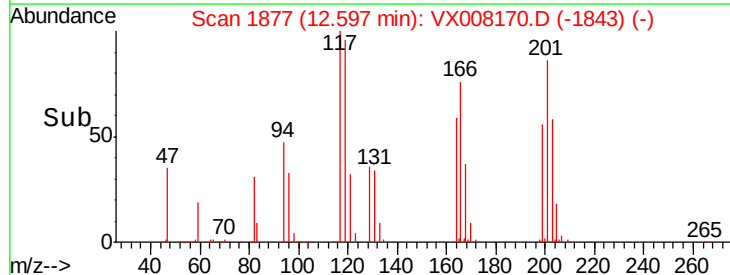
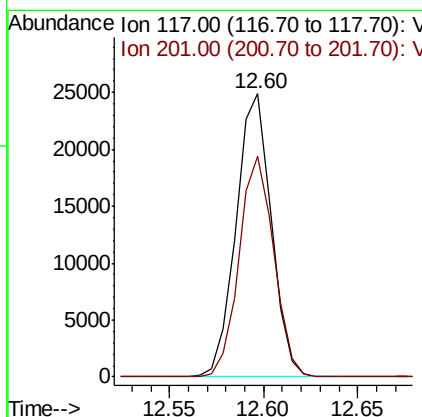
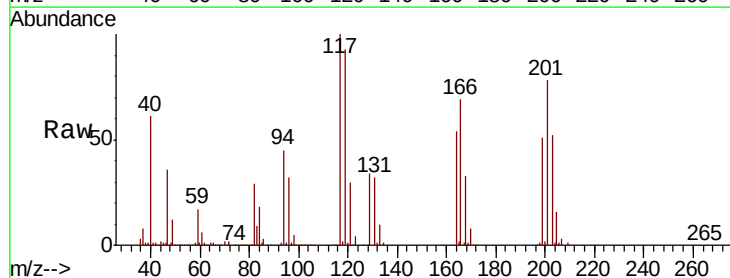
RT: 12.60 min Scan# 1877

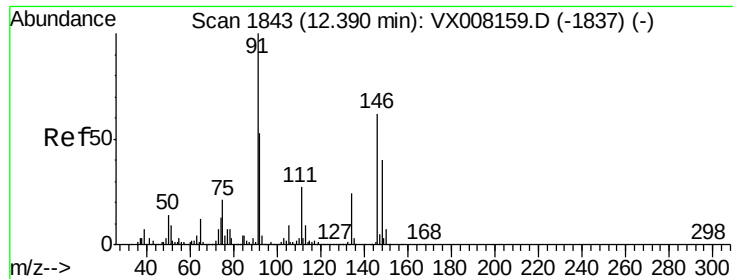
Delta R.T. 0.01 min

Lab File: VX008170.D

Acq: 18 Mar 2019 17:20

Tgt Ion:	117	Resp:	32303
Ion	Ratio	Lower	Upper
117	100		
201	76.7	41.1	123.3





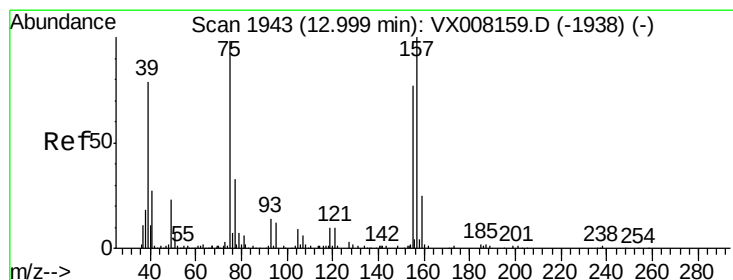
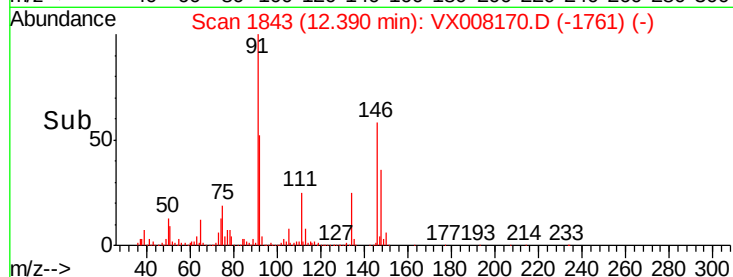
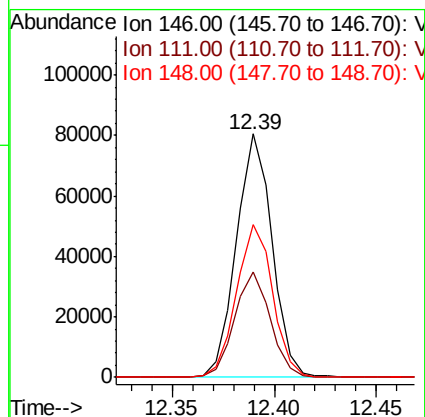
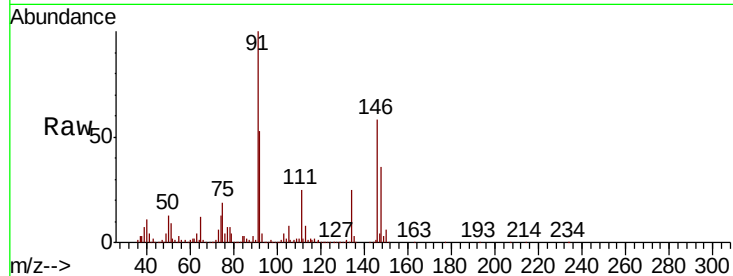
#87
 1,2-Dichlorobenzene
 Concen: 19.091 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008170.D
 Acq: 18 Mar 2019 17:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0318WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	19.3	57.8
148	63.2	32.1	96.3

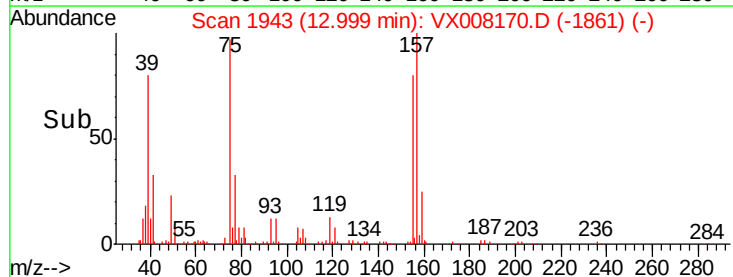
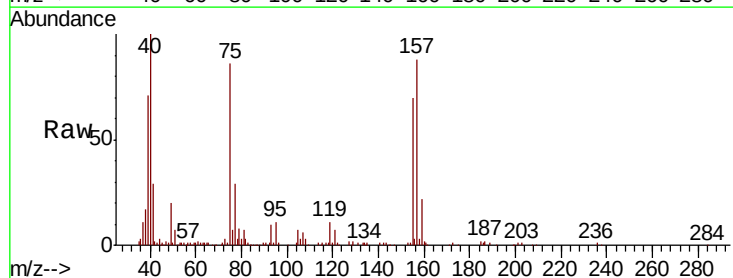
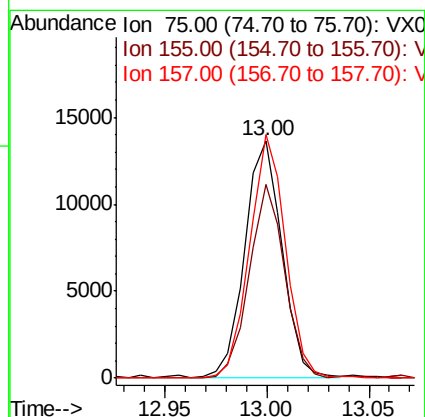
Manual Integrations
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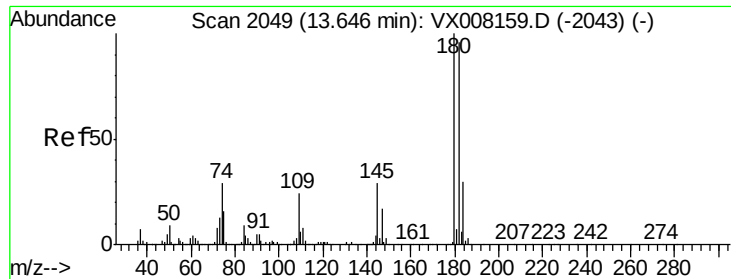
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.287 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008170.D
 Acq: 18 Mar 2019 17:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.6	81.0	121.6#
157	99.9	103.2	154.8#





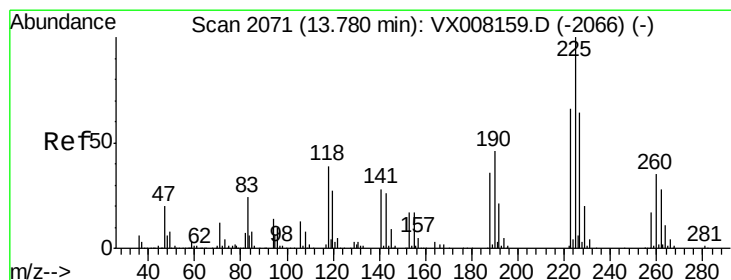
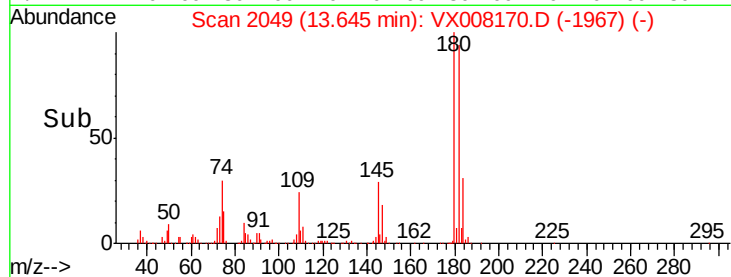
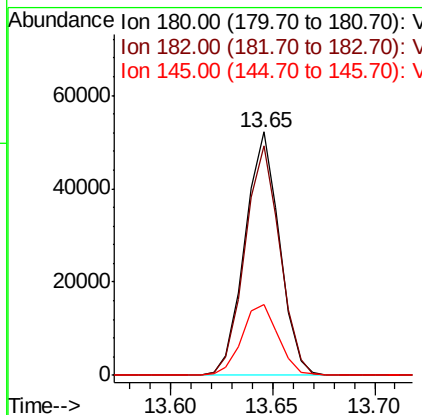
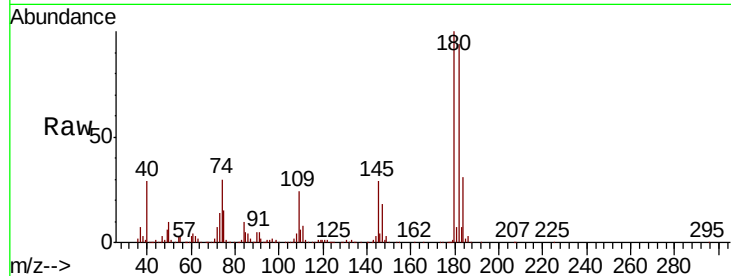
#89
 1,2,4-Trichlorobenzene
 Concen: 18.515 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008170.D
 Acq: 18 Mar 2019 17:20

Instrument :
 MSVOA_X
 ClientSampled :
 VX0318WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.6	113.4
145	30.7	23.0	34.6

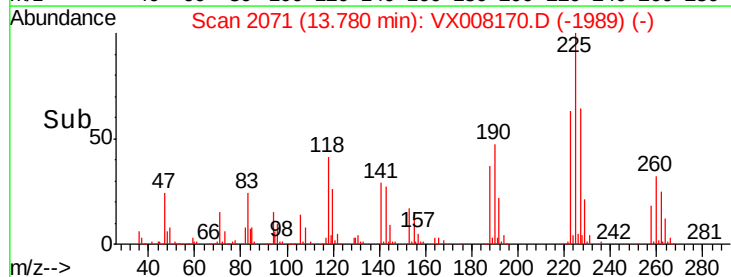
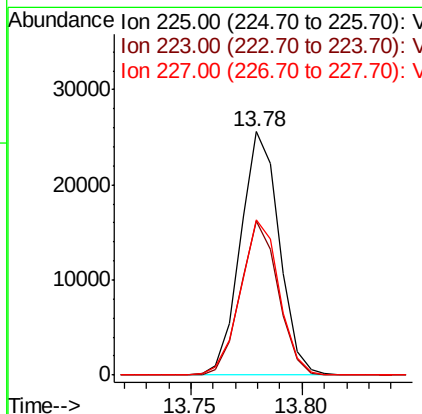
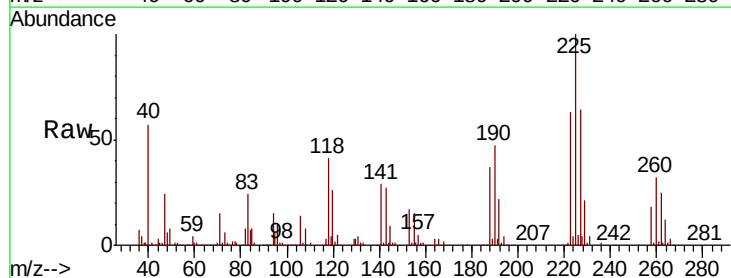
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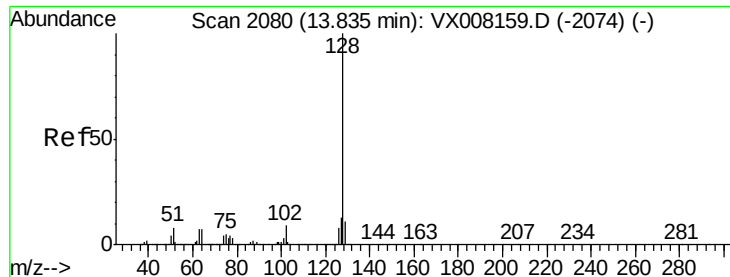
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#90
 Hexachlorobutadiene
 Concen: 18.062 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008170.D
 Acq: 18 Mar 2019 17:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	0.0	123.8
227	64.0	0.0	124.4





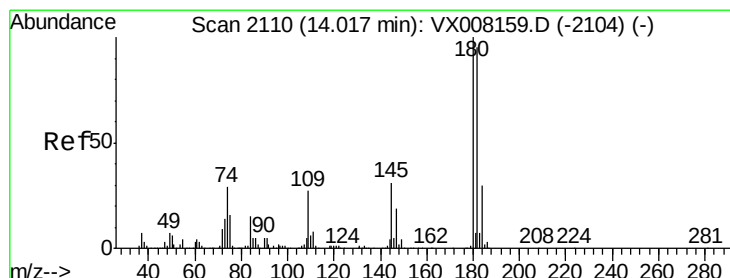
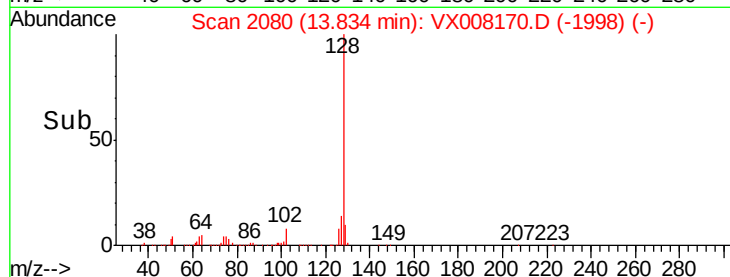
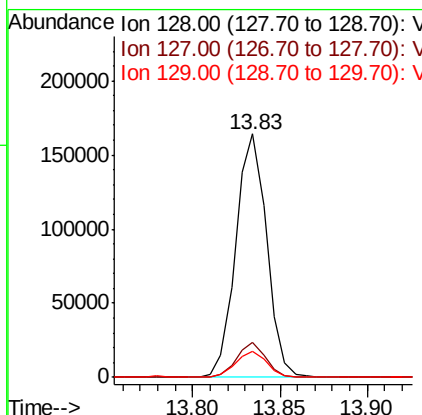
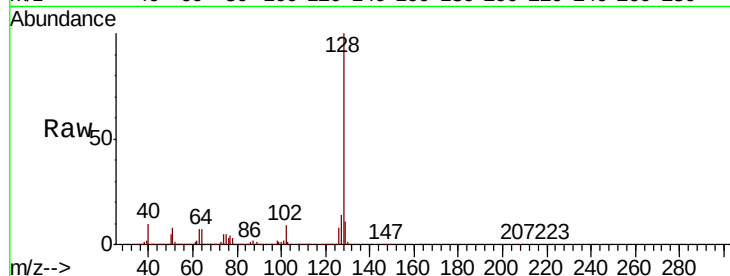
#91
Naphthalene
Concen: 18.788 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008170.D
Acq: 18 Mar 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	202296		
127	13.6		10.5	15.7
129	10.6		8.9	13.3

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 18.644 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX008170.D
Acq: 18 Mar 2019 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	61905		
182	95.1		0.0	193.0
145	31.8		0.0	63.0

