

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041519\
 Data File : VX008952.D
 Acq On : 15 Apr 2019 10:46
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/16/2019 10:52:50 AM

Quant Time: Apr 16 01:59:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 01:38:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	238805	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	384429	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	342525	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	160787	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	73127	21.38	ug/l	0.00
Spiked Amount						
			Recovery	=	42.76%	
35) Dibromofluoromethane	5.50	113	53660	21.98	ug/l	0.00
Spiked Amount						
			Recovery	=	43.96%	
50) Toluene-d8	8.71	98	220858	22.71	ug/l	0.00
Spiked Amount						
			Recovery	=	45.42%	
62) 4-Bromofluorobenzene	11.13	95	77313	22.44	ug/l	0.00
Spiked Amount						
			Recovery	=	44.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	58019	21.030	ug/l	100
3) Chloromethane	1.33	50	67551	18.016	ug/l	99
4) Vinyl Chloride	1.41	62	65699	18.056	ug/l	100
5) Bromomethane	1.65	94	32199	16.028	ug/l	99
6) Chloroethane	1.73	64	38928	16.095	ug/l	99
7) Trichlorofluoromethane	1.93	101	76070	18.818	ug/l	98
8) Diethyl Ether	2.19	74	33988	17.865	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	48138	18.593	ug/l	98
10) Methyl Iodide	2.51	142	45133	20.514	ug/l	100
11) Tert butyl alcohol	3.04	59	76305	95.945	ug/l	100
12) 1,1-Dichloroethene	2.38	96	49382	18.220	ug/l	96
13) Acrolein	2.29	56	61972	135.984	ug/l	98
14) Allyl chloride	2.73	41	111380	18.016	ug/l	100
15) Acrylonitrile	3.14	53	185826	88.312	ug/l	99
16) Acetone	2.45	43	186865	96.340	ug/l	98
17) Carbon Disulfide	2.57	76	146607	16.851	ug/l	99
18) Methyl Acetate	2.78	43	80309	16.920	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	178772	18.528	ug/l	99
20) Methylene Chloride	2.86	84	56530	17.260	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	52220	17.792	ug/l	97
22) Diisopropyl ether	3.86	45	215307	18.109	ug/l	96
23) Vinyl Acetate	3.82	43	962014	92.844	ug/l	100
24) 1,1-Dichloroethane	3.70	63	105762	17.978	ug/l	99
25) 2-Butanone	4.68	43	285970	92.826	ug/l	99
26) 2,2-Dichloropropane	4.59	77	78997	18.916	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	59587	17.729	ug/l	100
28) Bromochloromethane	5.02	49	53655	19.372	ug/l	99
29) Tetrahydrofuran	5.13	42	183804	89.569	ug/l	99
30) Chloroform	5.21	83	95502	18.140	ug/l	98
31) Cyclohexane	5.58	56	105806	17.937	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	78677	18.449	ug/l	100
36) 1,1-Dichloropropene	5.81	75	75465	18.256	ug/l	100
37) Ethyl Acetate	4.84	43	103497	18.831	ug/l	99
38) Carbon Tetrachloride	5.79	117	65313	19.051	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	94268	18.438	ug/l	98
40) Benzene	6.14	78	229855	18.667	ug/l	100
41) Methacrylonitrile	5.04	41	59173	18.671	ug/l	99
42) 1,2-Dichloroethane	6.20	62	80287	18.197	ug/l	100
43) Isopropyl Acetate	6.45	43	161515	18.721	ug/l	100
44) Trichloroethene	7.21	130	54992	19.077	ug/l	98
45) 1,2-Dichloropropane	7.51	63	65180	18.612	ug/l	99
46) Dibromomethane	7.66	93	36606	17.960	ug/l	99
47) Bromodichloromethane	7.90	83	71954	18.723	ug/l	99
48) Methyl methacrylate	7.77	41	81553	18.733	ug/l	100
49) 1,4-Dioxane	7.74	88	30618	378.066	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	533704	96.280	ug/l	100
52) Toluene	8.79	92	138660	19.107	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	83853	19.393	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	94503	19.185	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	55575	19.064	ug/l	97
56) Ethyl methacrylate	9.18	69	100052	19.033	ug/l	99
57) 1,3-Dichloropropane	9.37	76	97617	18.690	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	282881	104.377	ug/l	100
59) 2-Hexanone	9.49	43	423911	98.352	ug/l	100
60) Dibromochloromethane	9.58	129	53612	19.478	ug/l	97
61) 1,2-Dibromoethane	9.67	107	56868	18.743	ug/l	98
64) Tetrachloroethene	9.34	164	51682	20.453	ug/l	98
65) Chlorobenzene	10.14	112	140695	18.855	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	49607	18.957	ug/l	100
67) Ethyl Benzene	10.25	91	259880	18.729	ug/l	100
68) m/p-Xylenes	10.36	106	186049	37.238	ug/l	99
69) o-Xylene	10.70	106	90297	18.644	ug/l	99
70) Styrene	10.71	104	158727	19.011	ug/l	99
71) Bromoform	10.85	173	38933	19.382	ug/l #	97
73) Isopropylbenzene	11.02	105	244114	18.754	ug/l	100
74) N-amyl acetate	10.90	43	141861	18.536	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	89839	18.196	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	77048m	17.866	ug/l	
77) Bromobenzene	11.26	156	59710	18.974	ug/l	99
78) n-propylbenzene	11.36	91	281801	18.602	ug/l	100
79) 2-Chlorotoluene	11.42	91	166771	18.201	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	205688	18.855	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	30352	19.241	ug/l	94
82) 4-Chlorotoluene	11.51	91	190344	17.937	ug/l	99
83) tert-Butylbenzene	11.77	119	191077	18.185	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	207267	18.755	ug/l	99
85) sec-Butylbenzene	11.94	105	235112	18.835	ug/l	100
86) p-Isopropyltoluene	12.06	119	217043	19.313	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	105189	18.681	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	105297	18.438	ug/l	99
89) n-Butylbenzene	12.38	91	202670	19.250	ug/l	99
90) Hexachloroethane	12.60	117	34424	18.451	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	103621	18.537	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19973	18.335	ug/l	100

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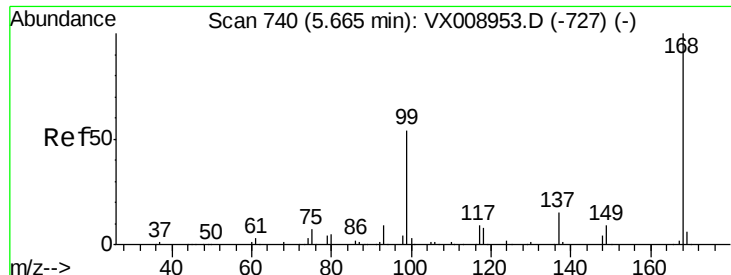
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	76232	19.448	ug/l	99
94) Hexachlorobutadiene	13.78	225	38181	20.324	ug/l	99
95) Naphthalene	13.83	128	249463	19.218	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	75307	19.268	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX008952.D

Acq: 15 Apr 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 238805

Ion Ratio Lower Upper

168 100

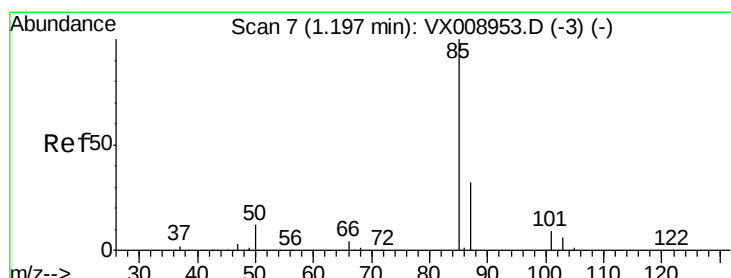
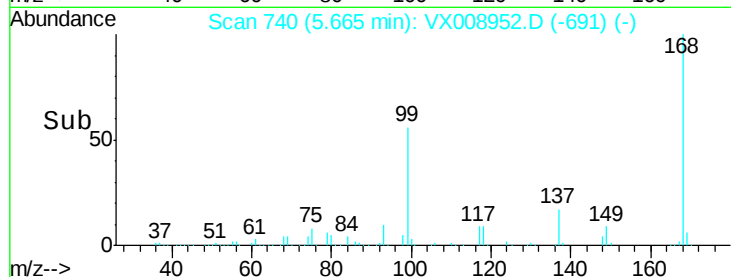
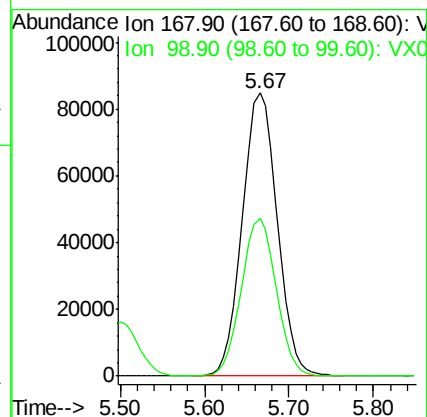
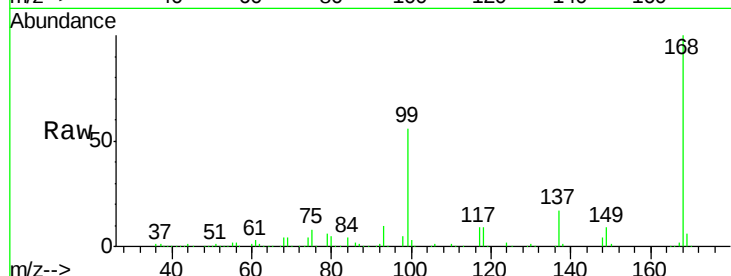
99 55.6 43.0 64.6

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 21.030 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX008952.D

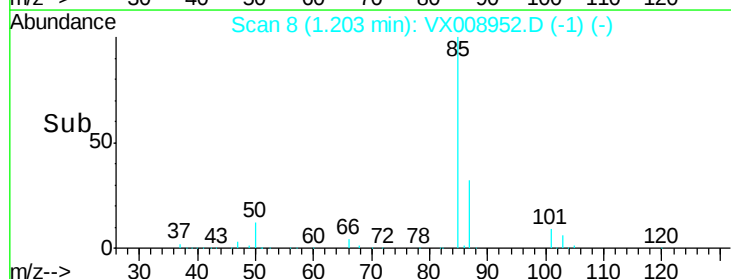
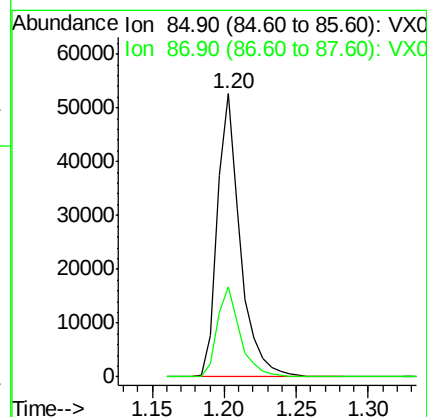
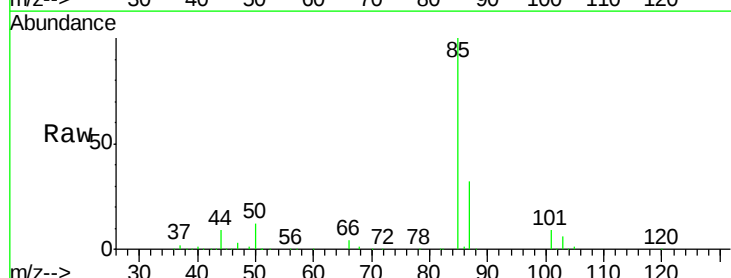
Acq: 15 Apr 2019 10:46

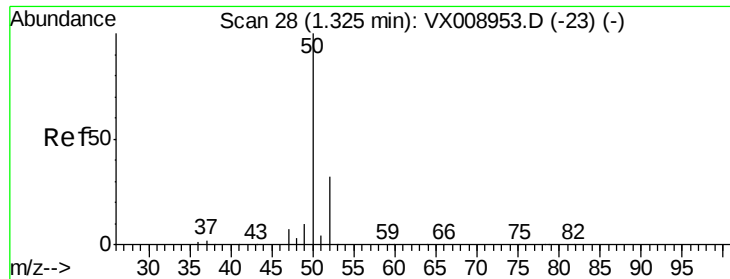
Tgt Ion: 85 Resp: 58019

Ion Ratio Lower Upper

85 100

87 31.8 16.0 47.9





#3

Chloromethane

Concen: 18.016 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX008952.D

Acq: 15 Apr 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 67551

Ion Ratio Lower Upper

50 100

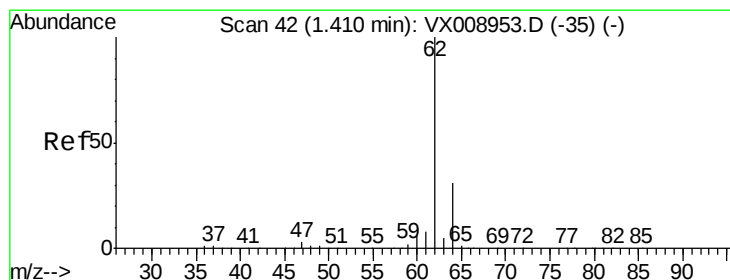
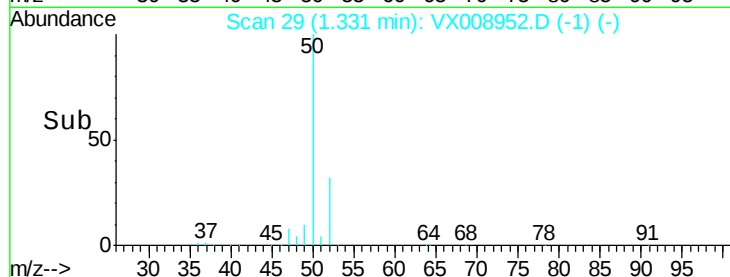
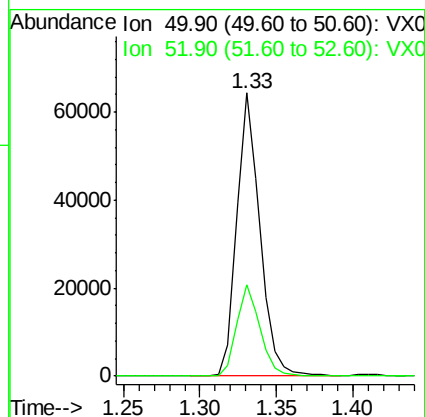
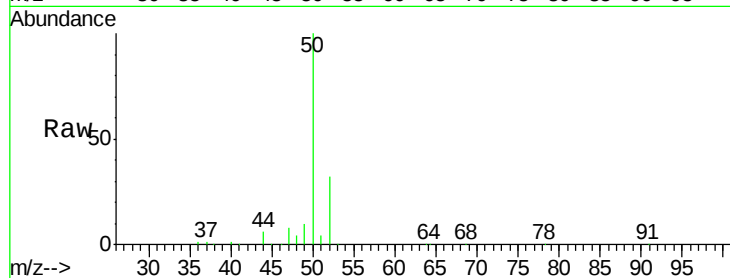
52 32.2 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.056 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008952.D

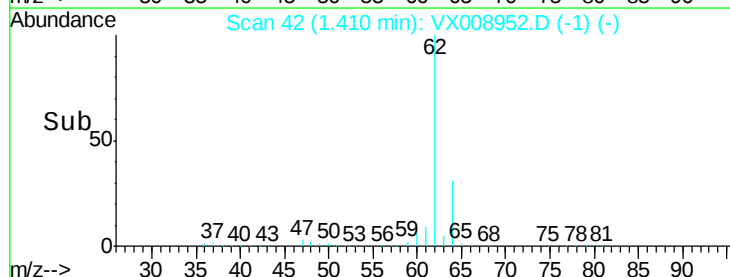
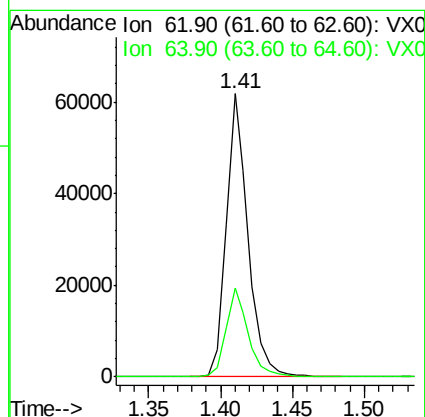
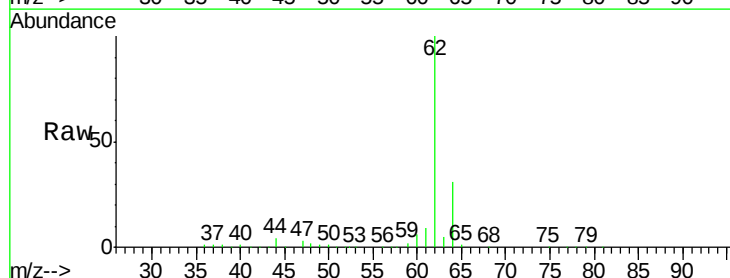
Acq: 15 Apr 2019 10:46

Tgt Ion: 62 Resp: 65699

Ion Ratio Lower Upper

62 100

64 31.2 25.0 37.4





#5

Bromomethane

Concen: 16.028 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX008952.D

Acq: 15 Apr 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 32199

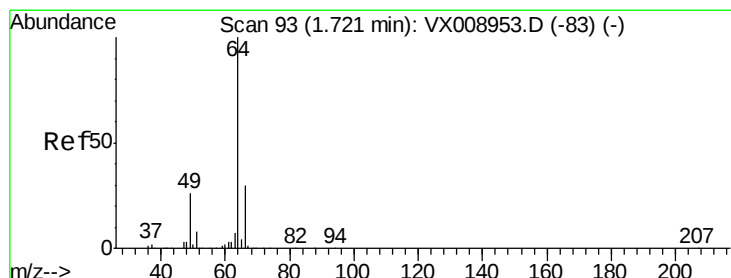
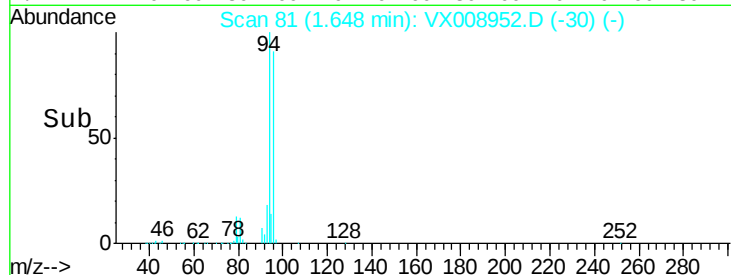
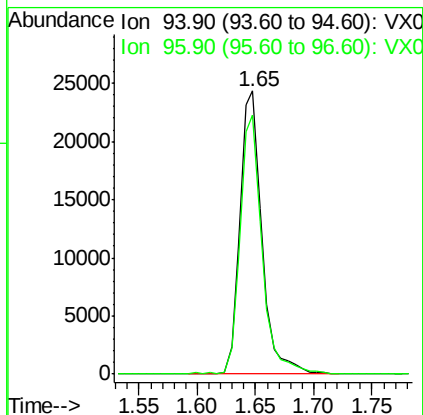
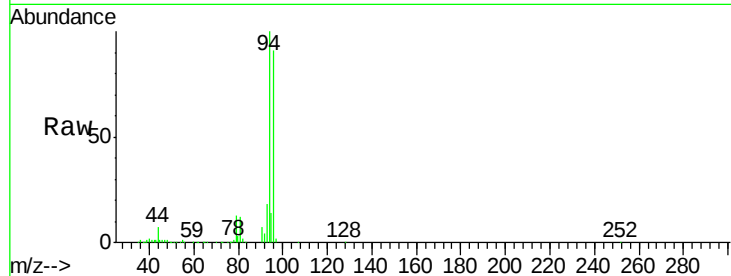
Ion Ratio Lower Upper

94 100

96 91.2 73.9 110.9

Manual Integrations
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#6

Chloroethane

Concen: 16.095 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.01 min

Lab File: VX008952.D

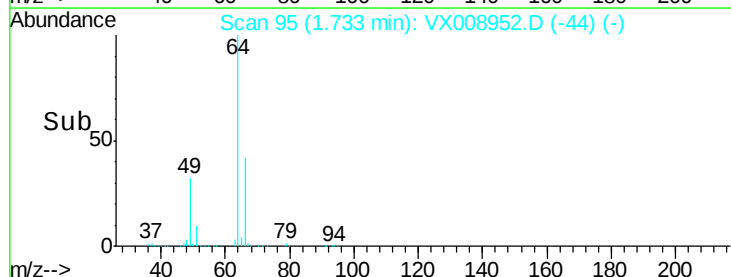
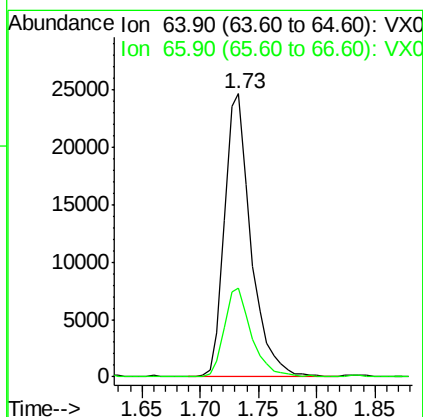
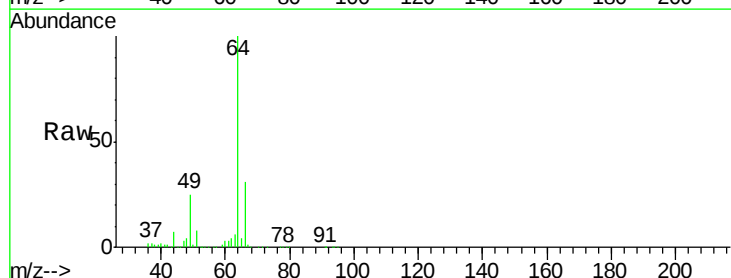
Acq: 15 Apr 2019 10:46

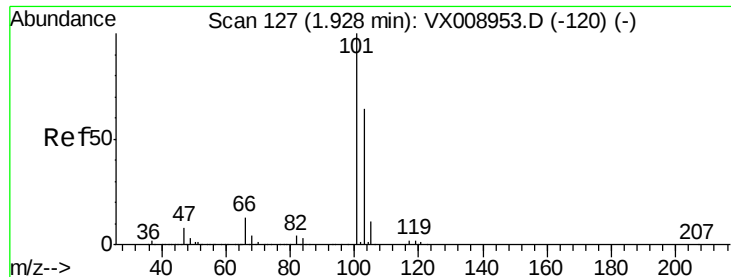
Tgt Ion: 64 Resp: 38928

Ion Ratio Lower Upper

64 100

66 31.0 24.2 36.2





#7

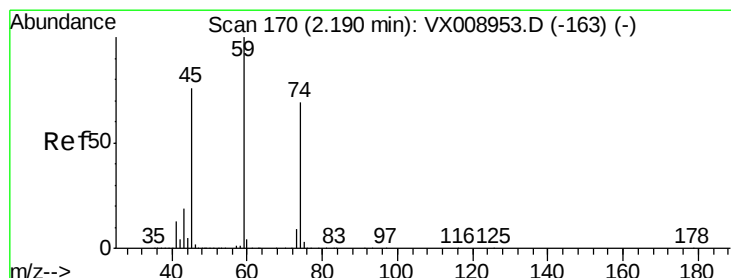
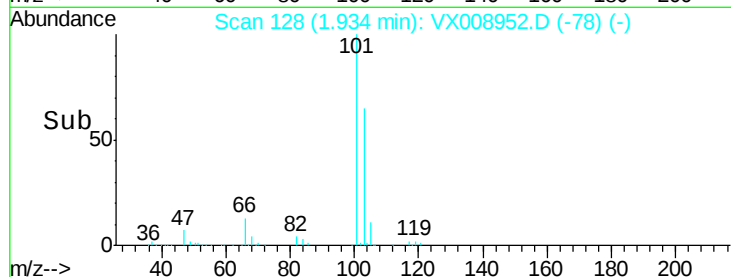
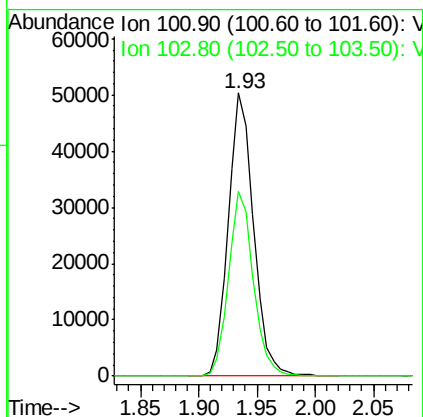
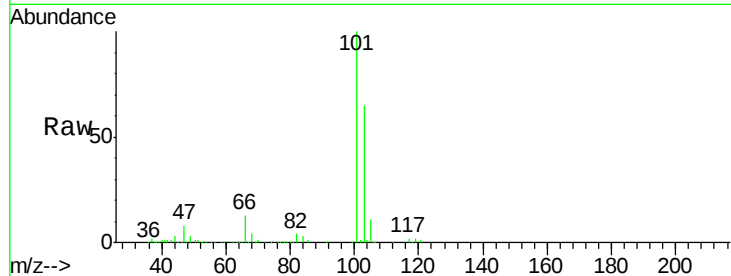
Trichlorofluoromethane
Concen: 18.818 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX008952.D
Acq: 15 Apr 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.0	76.6

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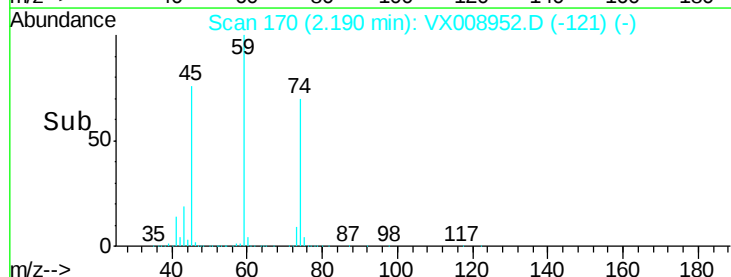
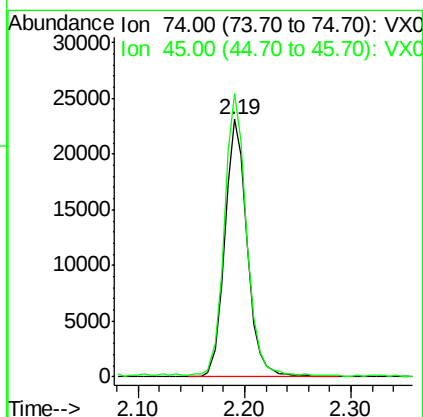
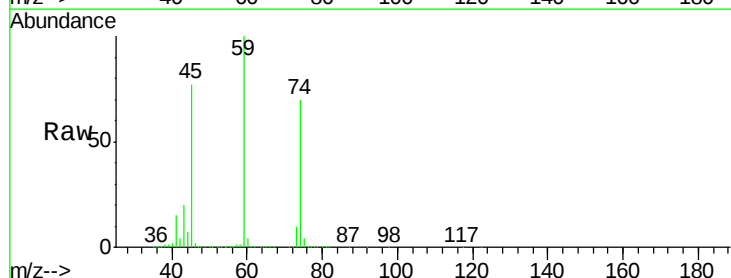
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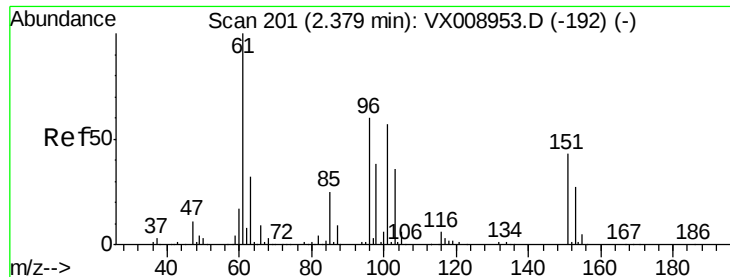


#8

Diethyl Ether
Concen: 17.865 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX008952.D
Acq: 15 Apr 2019 10:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.1	54.9	164.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.593 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX008952.D

Acq: 15 Apr 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:101 Resp: 48138

Ion Ratio Lower Upper

101 100

85 42.9 35.7 53.5

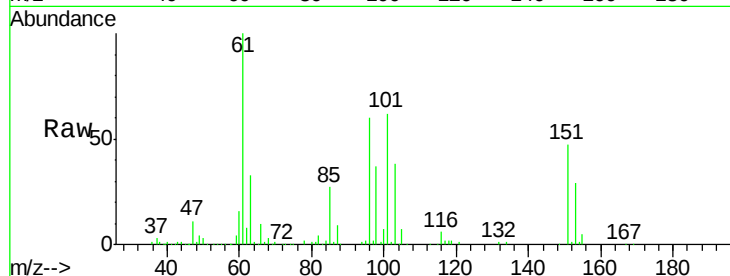
151 77.6 62.7 94.1

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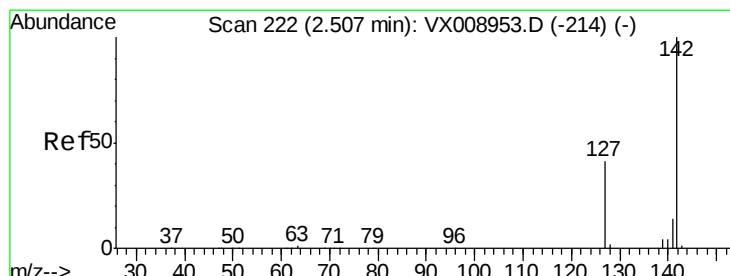
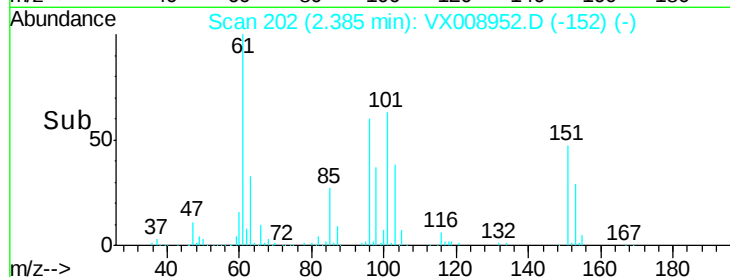
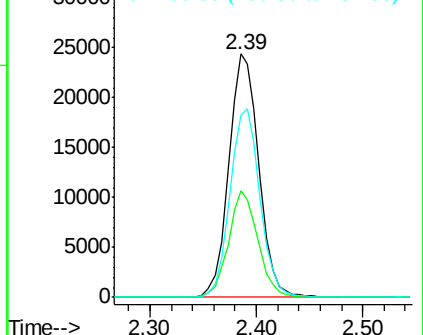
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.514 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX008952.D

Acq: 15 Apr 2019 10:46

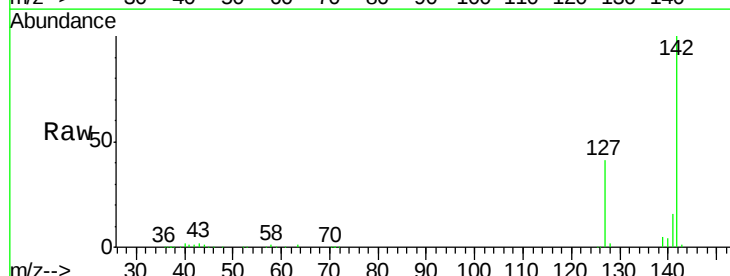
Tgt Ion:142 Resp: 45133

Ion Ratio Lower Upper

142 100

127 41.1 32.8 49.2

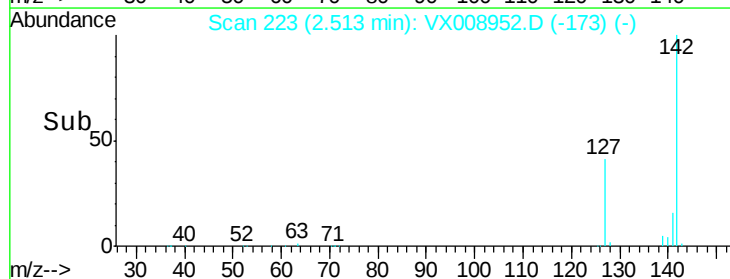
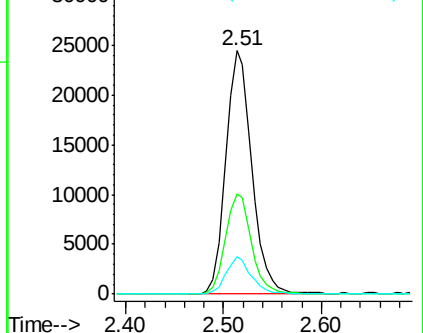
141 14.7 11.4 17.2

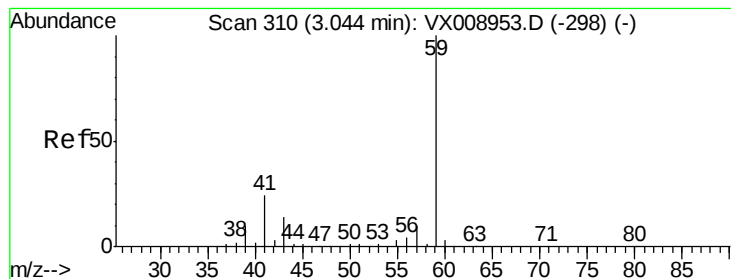


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

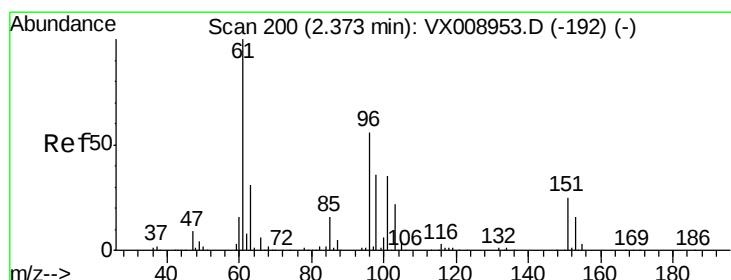
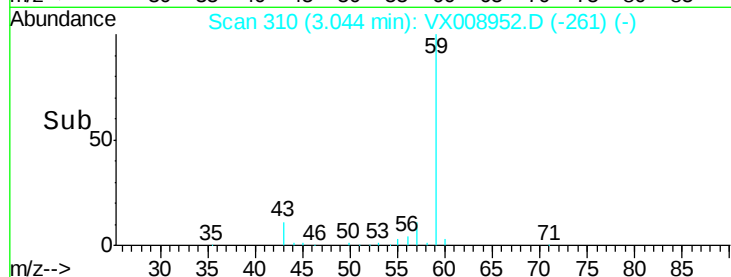
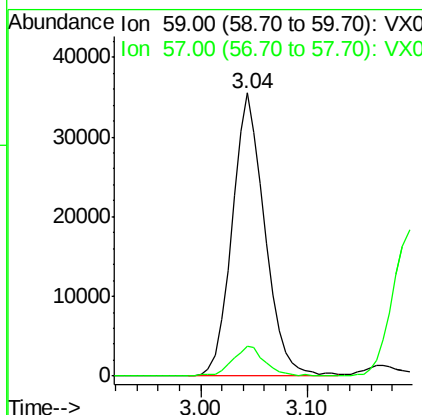
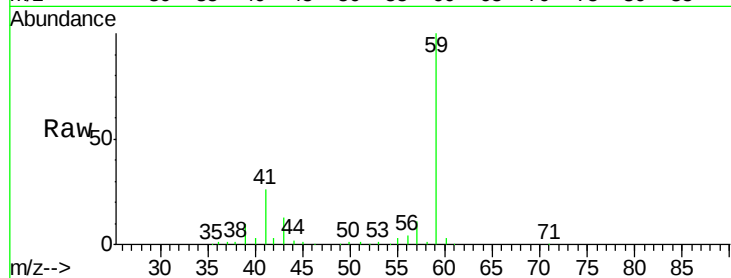
Tert butyl alcohol
 Concen: 95.945 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. -0.00 min
 Lab File: VX008952.D
 Acq: 15 Apr 2019 10:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.4	12.6

Manual Integrations
 APPROVED

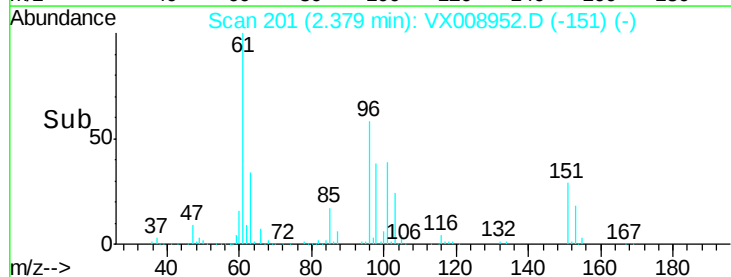
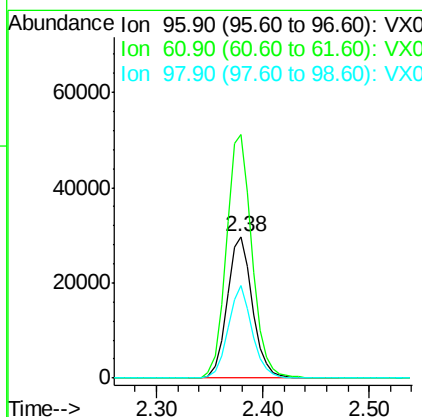
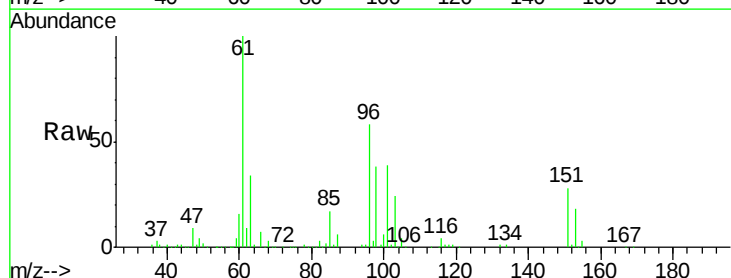
MMDadoda
 4/16/2019 10:52:50 AM

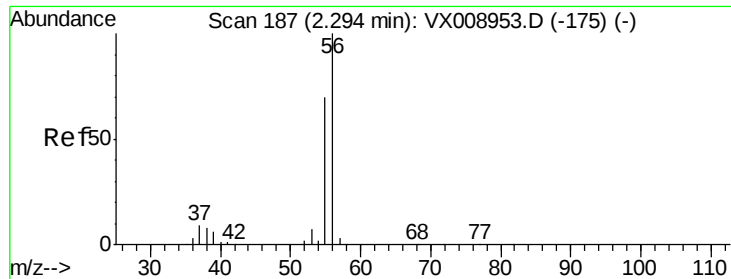


#12

1,1-Dichloroethene
 Concen: 18.220 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. 0.01 min
 Lab File: VX008952.D
 Acq: 15 Apr 2019 10:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.2	142.2	213.2
98	65.5	50.9	76.3





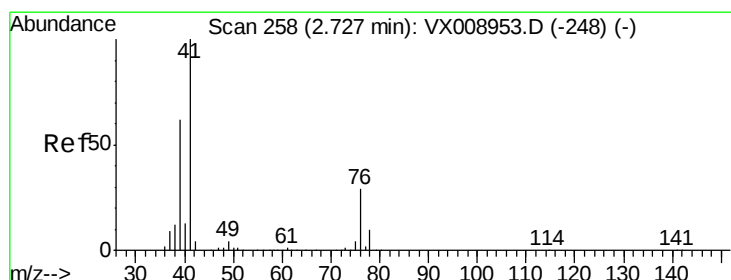
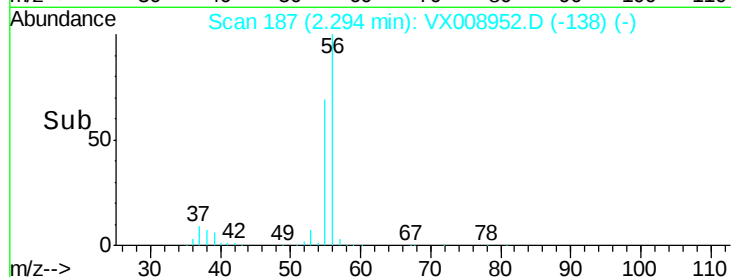
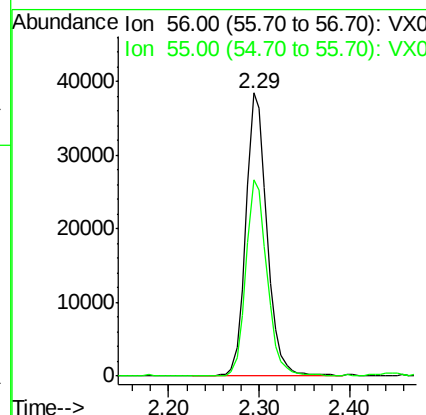
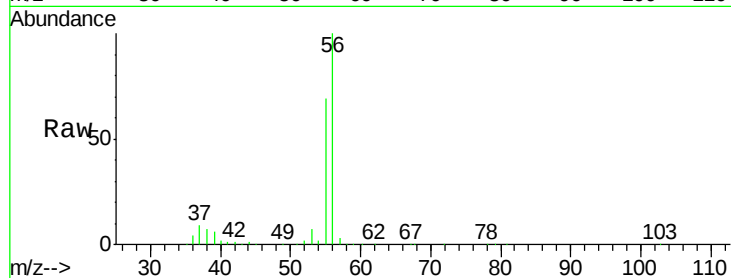
#13
Acrolein
Concen: 135.984 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX008952.D
Acq: 15 Apr 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	56	55	Ratio	Lower	Upper
56	100				
55	68.9		56.6	84.8	

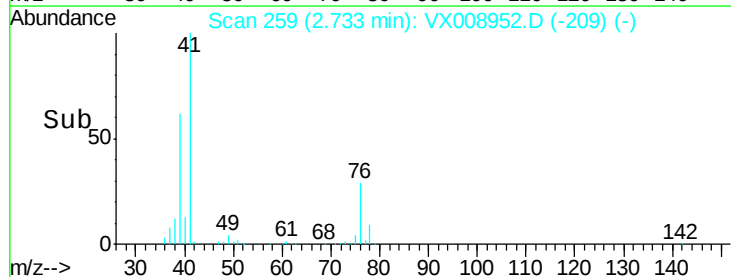
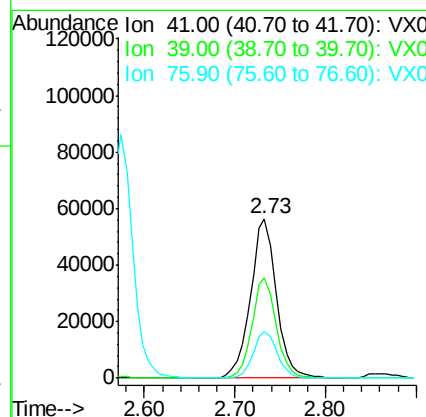
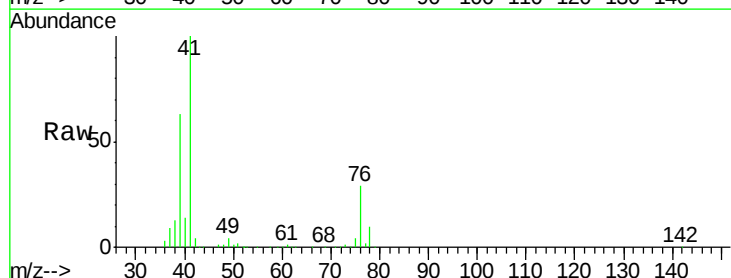
Manual Integrations
APPROVED

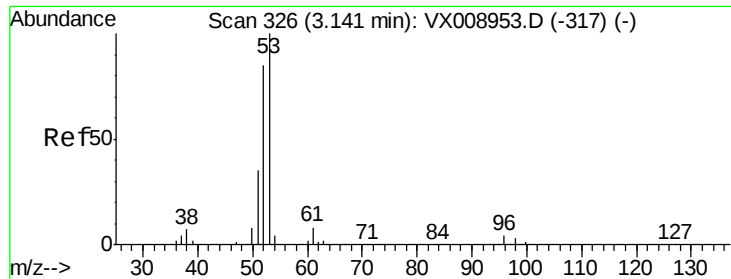
MMDadoda
4/16/2019 10:52:50 AM



#14
Allyl chloride
Concen: 18.016 ug/l
RT: 2.73 min Scan# 259
Delta R.T. 0.01 min
Lab File: VX008952.D
Acq: 15 Apr 2019 10:46

Tgt Ion	41	39	76	Ratio	Lower	Upper
41	100					
39	58.7			46.7	70.1	
76	27.2			22.0	33.0	





#15

Acrylonitrile

Concen: 88.312 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX008952.D

Acq: 15 Apr 2019 10:46

Instrument :

MSVOA_X

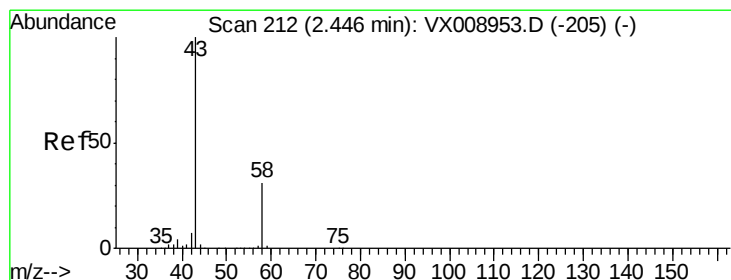
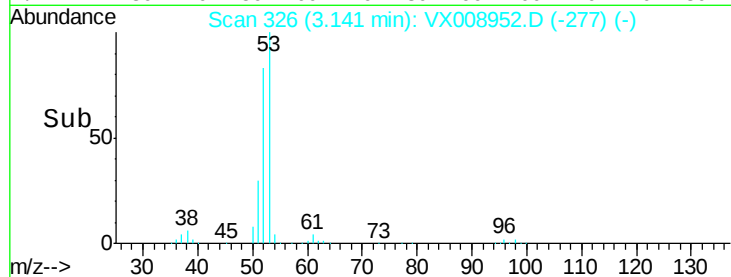
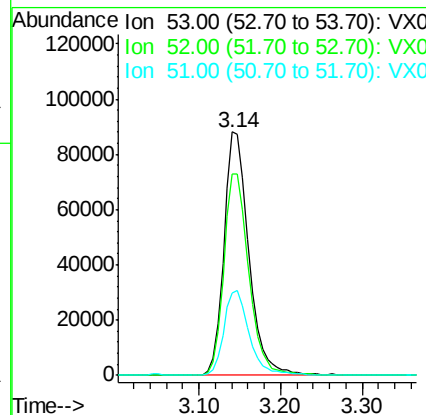
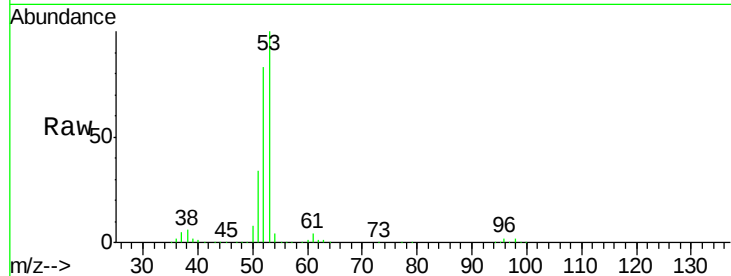
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	185826
Ion Ratio		Lower	Upper
53	100		
52	84.1	66.6	100.0
51	36.1	28.3	42.5

Manual Integrations
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MMDadoda
4/16/2019 10:52:50 AM



#16

Acetone

Concen: 96.340 ug/l

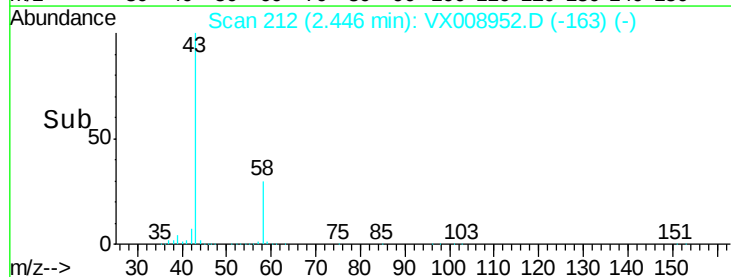
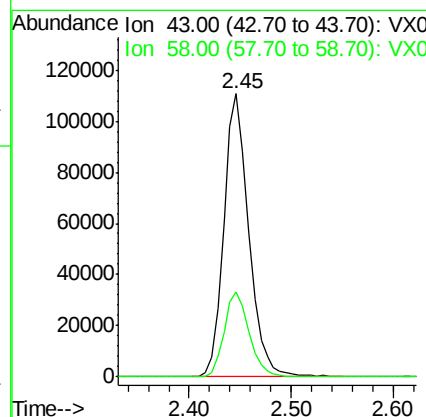
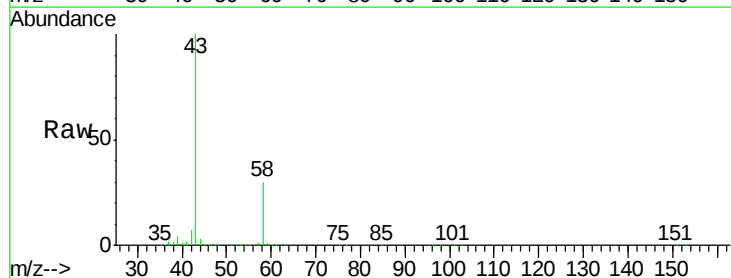
RT: 2.45 min Scan# 212

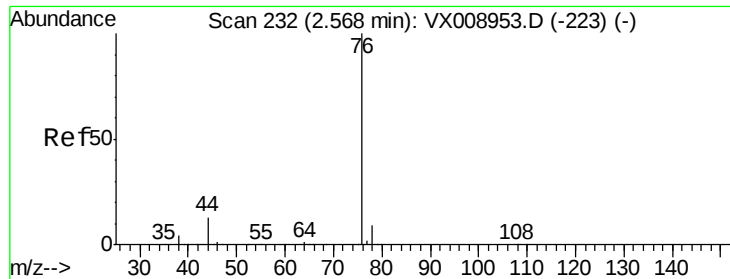
Delta R.T. -0.00 min

Lab File: VX008952.D

Acq: 15 Apr 2019 10:46

Tgt Ion:	43	Resp:	186865
Ion Ratio		Lower	Upper
43	100		
58	30.0	24.8	37.2





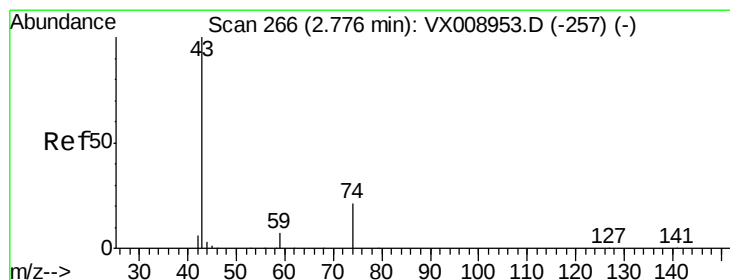
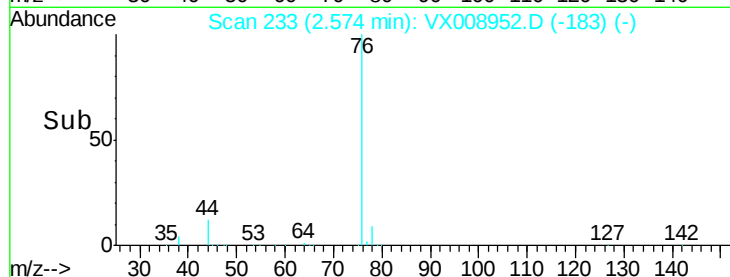
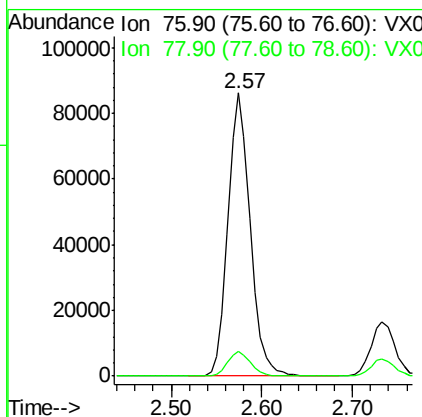
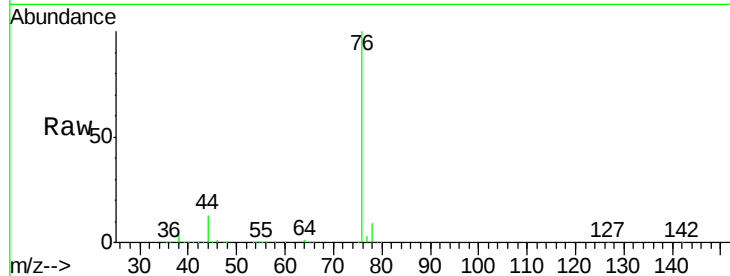
#17
Carbon Disulfide
Concen: 16.851 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX008952.D
Acq: 15 Apr 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
76	100			
78	8.8	7.2	10.8	

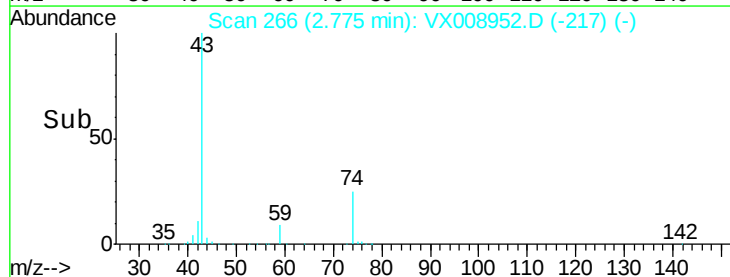
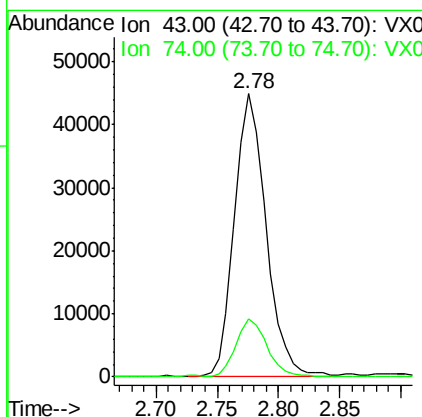
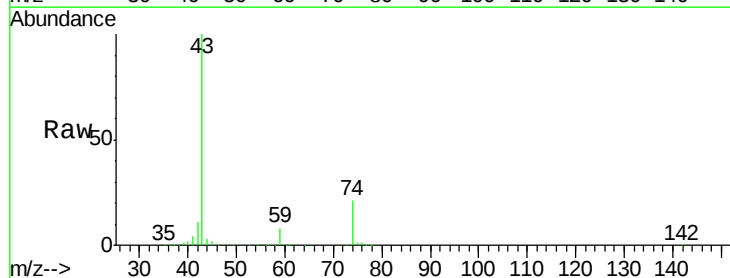
Manual Integrations
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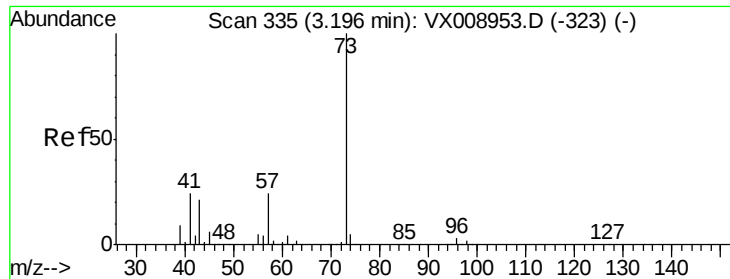
MMDadoda
4/16/2019 10:52:50 AM



#18
Methyl Acetate
Concen: 16.920 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX008952.D
Acq: 15 Apr 2019 10:46

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
74	20.9	16.6	25.0	





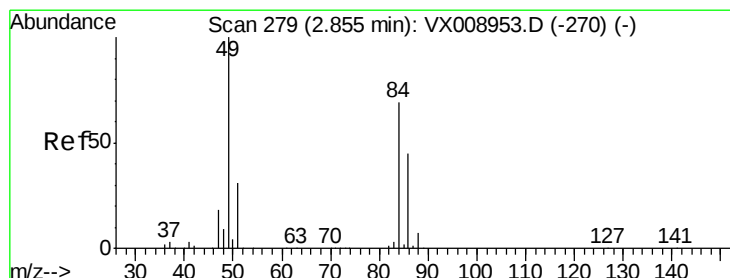
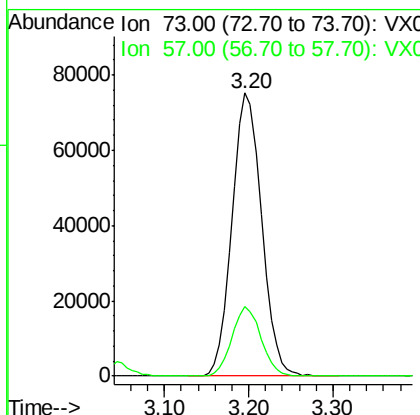
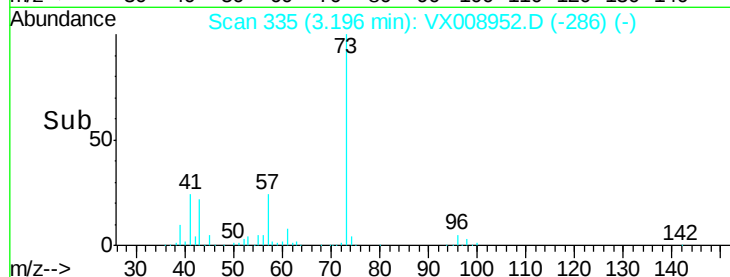
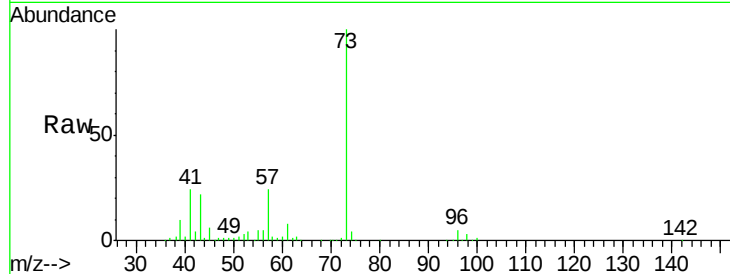
#19
Methvl tert-butvl Ether
Concen: 18.528 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX008952.D
Acq: 15 Apr 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 178772
Ion Ratio Lower Upper
73 100
57 24.4 19.2 28.8

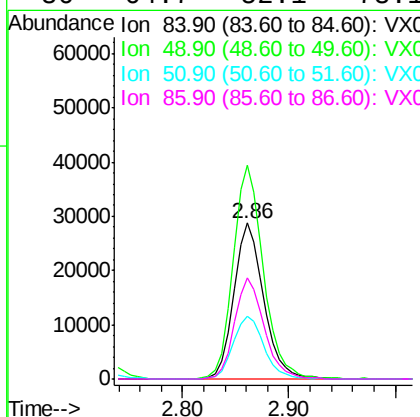
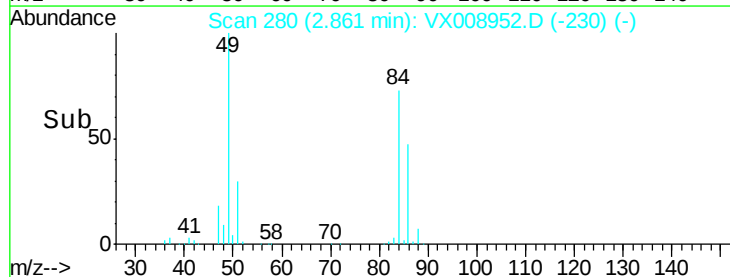
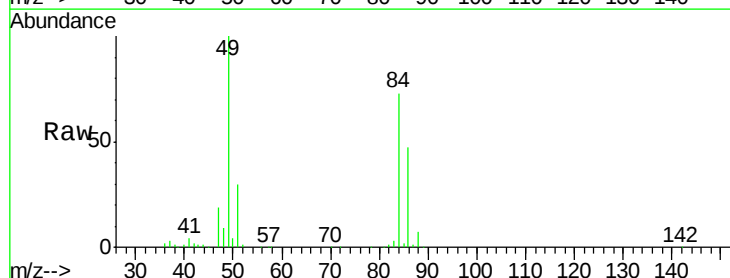
Manual Integrations
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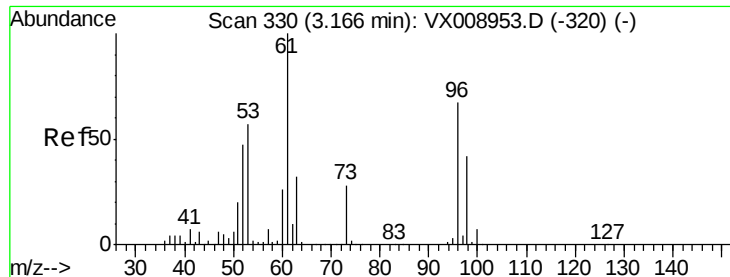
MMDadoda
4/16/2019 10:52:50 AM



#20
Methylene Chloride
Concen: 17.260 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX008952.D
Acq: 15 Apr 2019 10:46

Tgt Ion: 84 Resp: 56530
Ion Ratio Lower Upper
84 100
49 137.1 115.4 173.0
51 40.7 35.8 53.6
86 64.7 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 17.792 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX008952.D

Acq: 15 Apr 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 52220

Ion Ratio Lower Upper

96 100

61 152.4 120.3 180.5

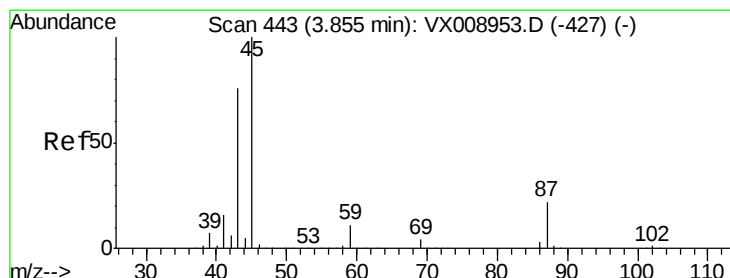
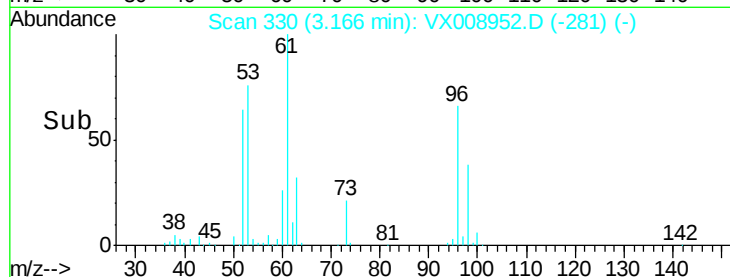
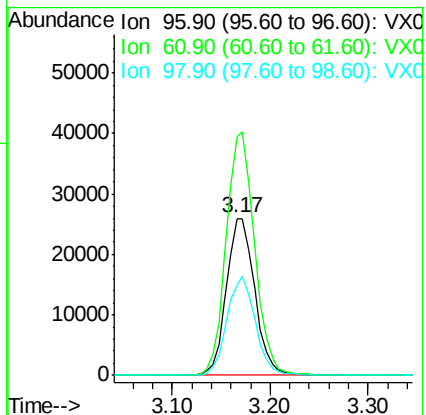
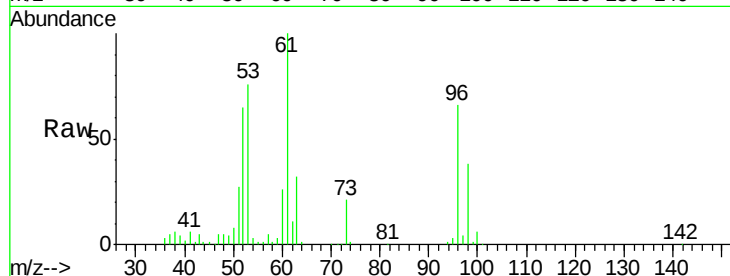
98 57.3 50.2 75.2

Manual Integrations

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MMDadoda

4/16/2019 10:52:50 AM



#22

Diisopropyl ether

Concen: 18.109 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX008952.D

Acq: 15 Apr 2019 10:46

Tgt Ion: 45 Resp: 215307

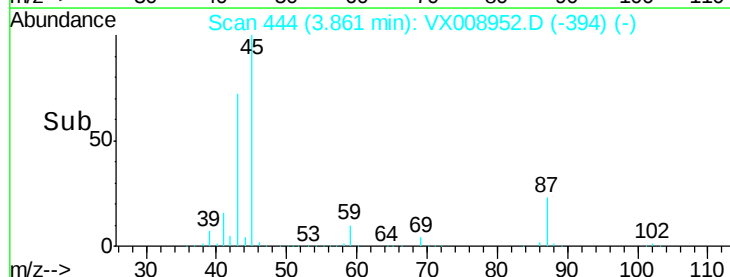
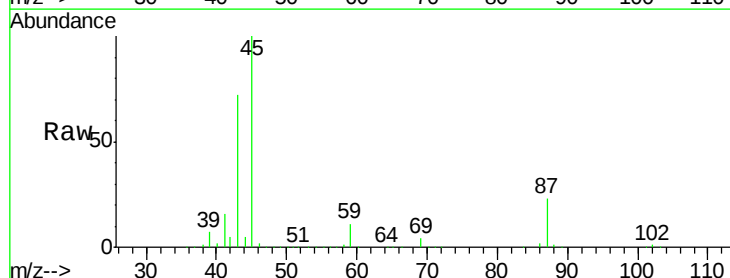
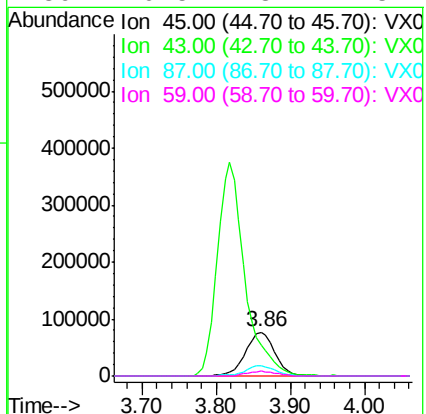
Ion Ratio Lower Upper

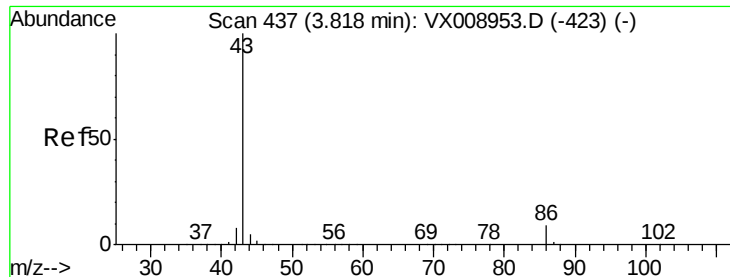
45 100

43 71.5 60.6 91.0

87 23.3 17.8 26.8

59 10.5 8.7 13.1





#23

Vinyl Acetate

Concen: 92.844 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX008952.D

Acq: 15 Apr 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 962014

Ion Ratio Lower Upper

43 100

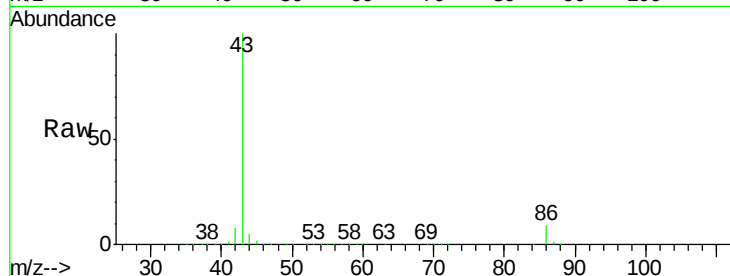
86 8.7 7.1 10.7

Manual Integrations

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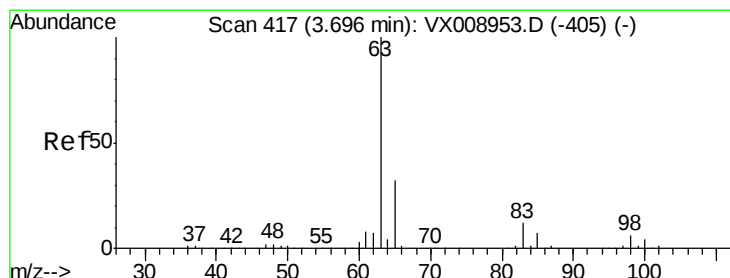
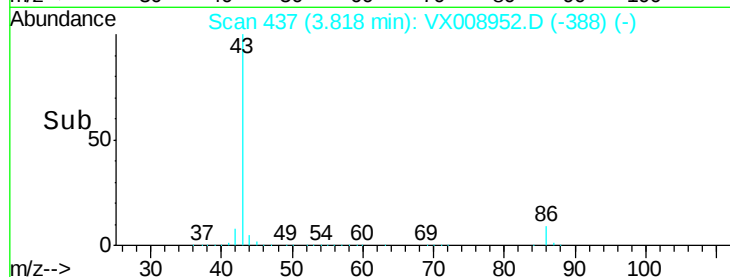
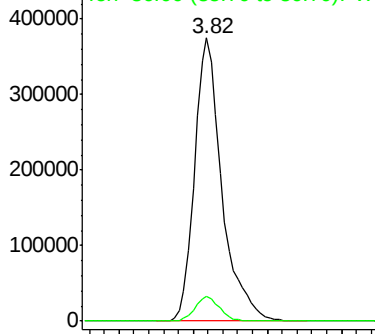
MMDadoda

4/16/2019 10:52:50 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 17.978 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX008952.D

Acq: 15 Apr 2019 10:46

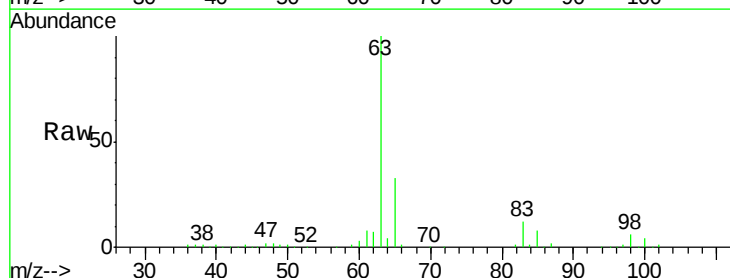
Tgt Ion: 63 Resp: 105762

Ion Ratio Lower Upper

63 100

98 5.9 3.1 9.3

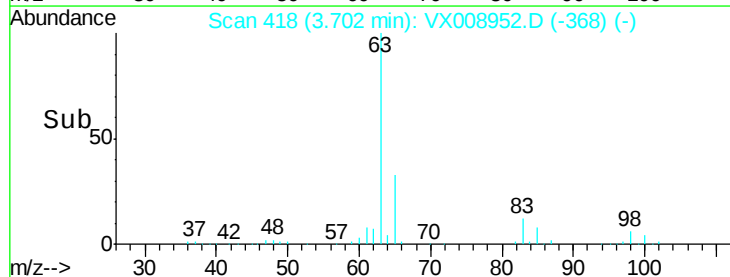
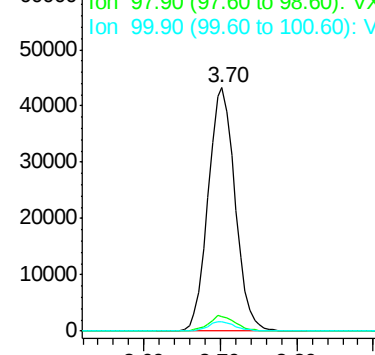
100 3.8 1.9 5.7

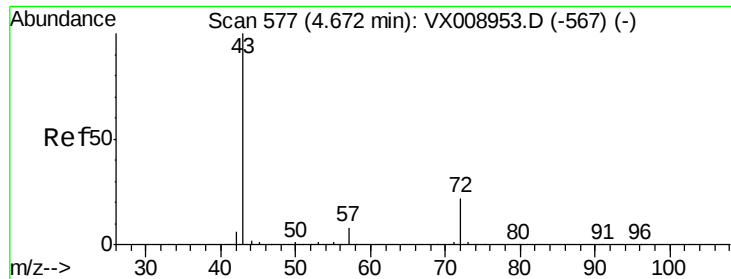


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 92.826 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX008952.D

Acq: 15 Apr 2019 10:46

Tot Ion: 43 Resp: 285970

Ion Ratio Lower Upper

43 100

72 22.6 17.5 26.3

Instrument :

MSVOA_X

ClientSampleId :

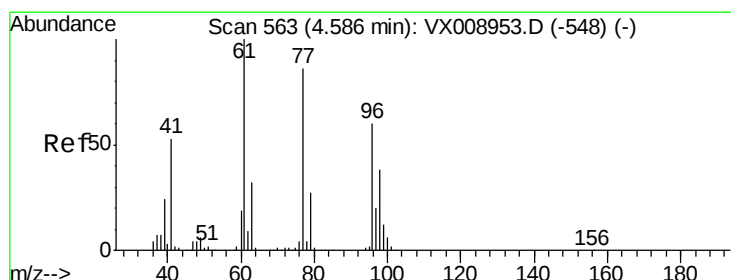
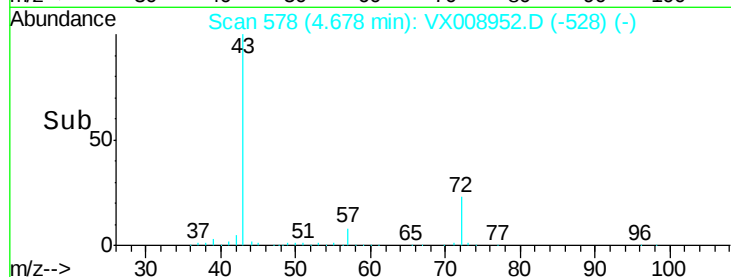
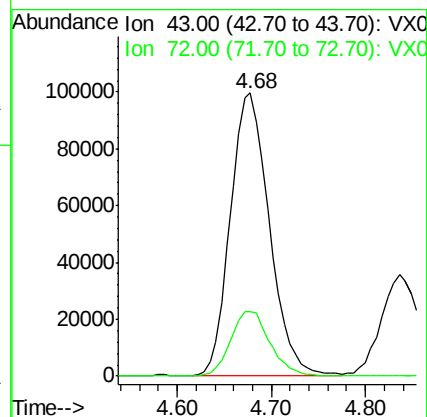
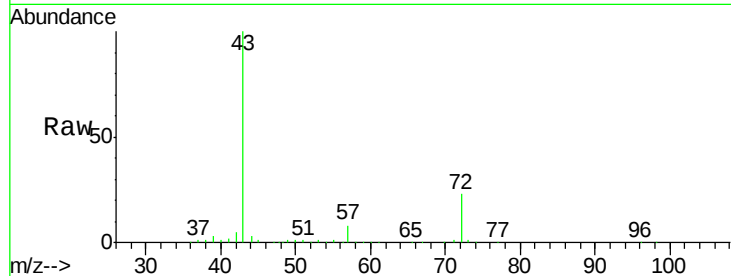
VSTDIC020

Manual Integrations

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MMDadoda

4/16/2019 10:52:50 AM



#26

2,2-Dichloropropane

Concen: 18.916 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX008952.D

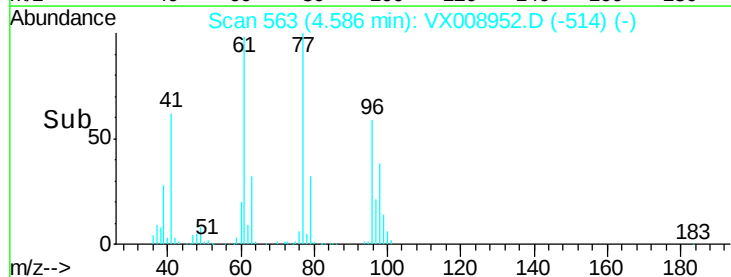
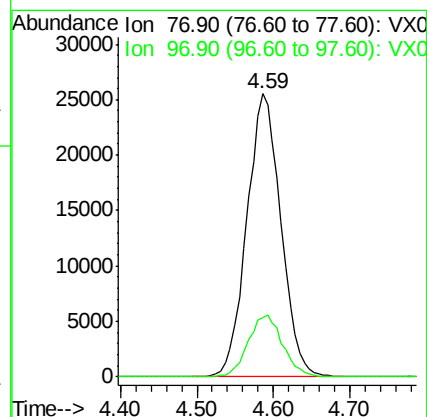
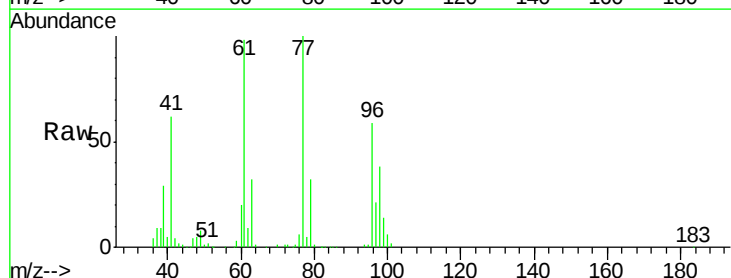
Acq: 15 Apr 2019 10:46

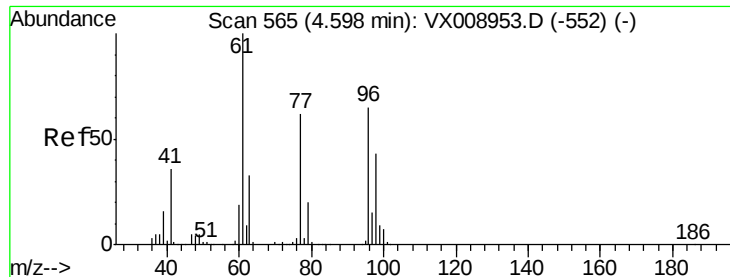
Tgt Ion: 77 Resp: 78997

Ion Ratio Lower Upper

77 100

97 22.1 11.7 35.0





#27

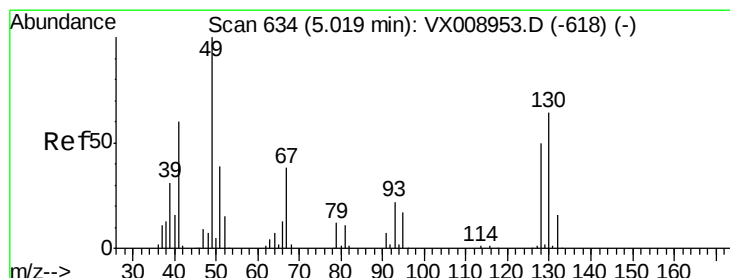
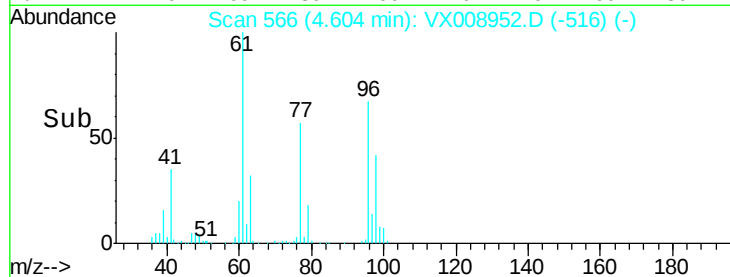
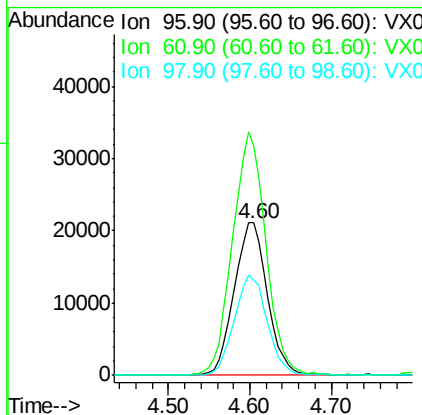
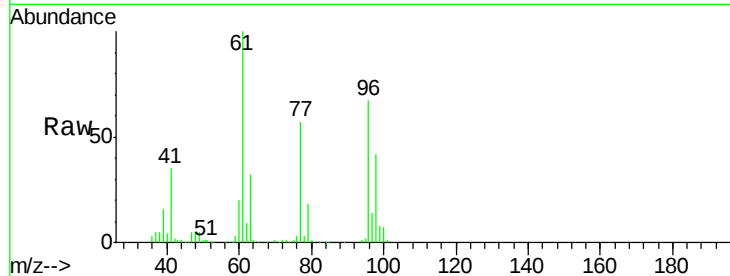
cis-1,2-Dichloroethene
 Concen: 17.729 ug/l
 RT: 4.60 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VX008952.D
 Acq: 15 Apr 2019 10:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.4	0.0	322.0
98	64.7	0.0	128.4

Manual Integrations
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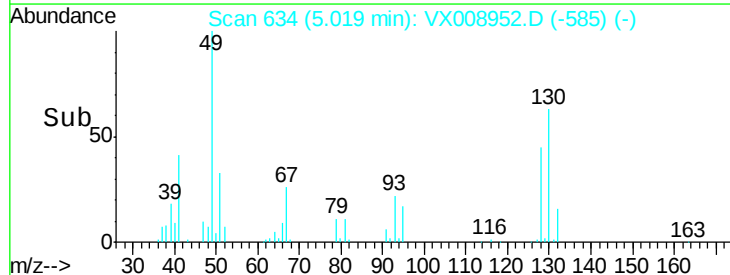
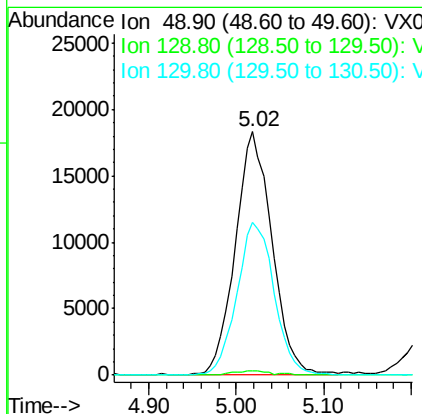
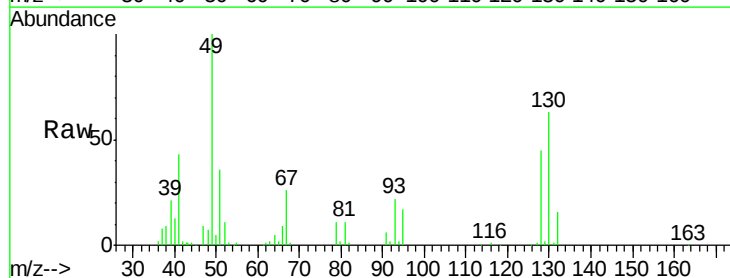
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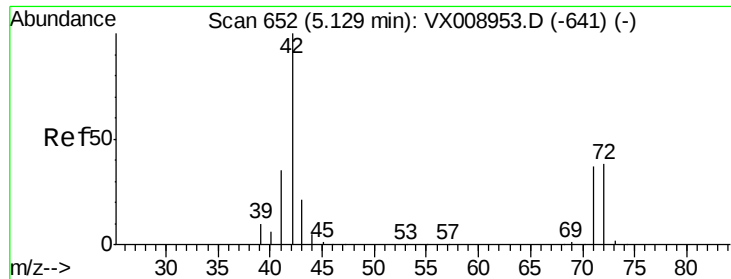


#28

Bromochloromethane
 Concen: 19.372 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX008952.D
 Acq: 15 Apr 2019 10:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.6
130	63.6	50.4	75.6





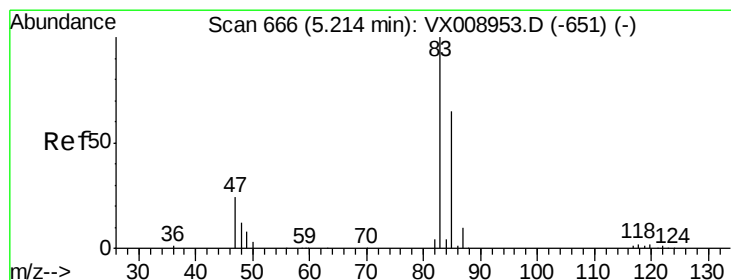
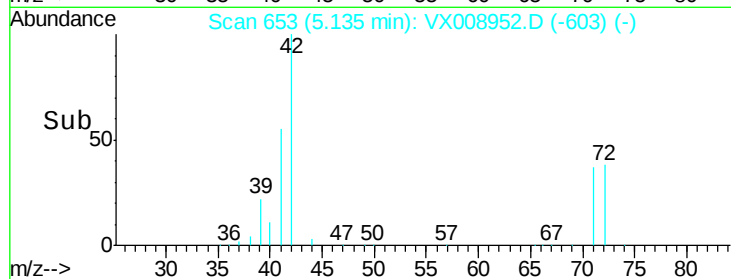
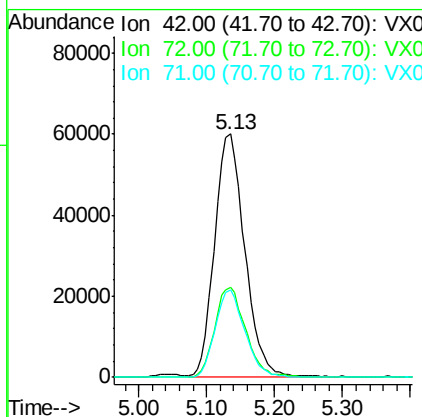
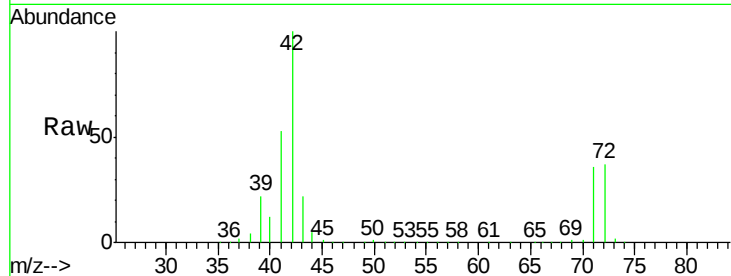
#29
Tetrahydrofuran
Concen: 89.569 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX008952.D
Acq: 15 Apr 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.3	30.6	45.8
71	35.5	28.8	43.2

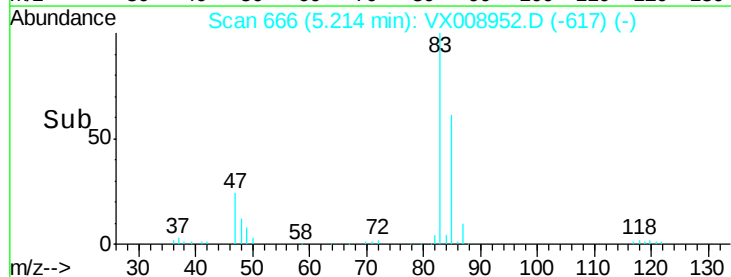
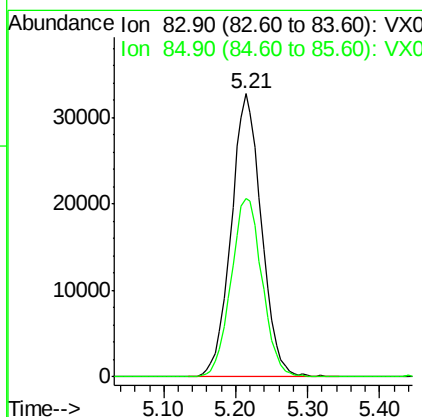
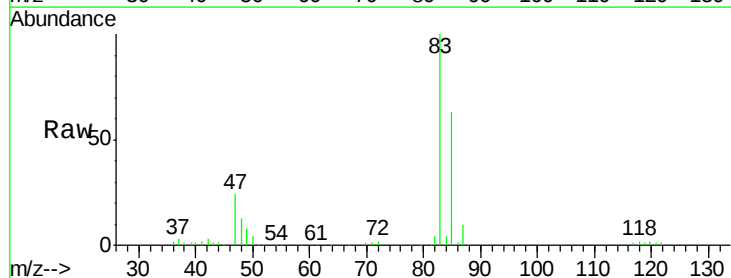
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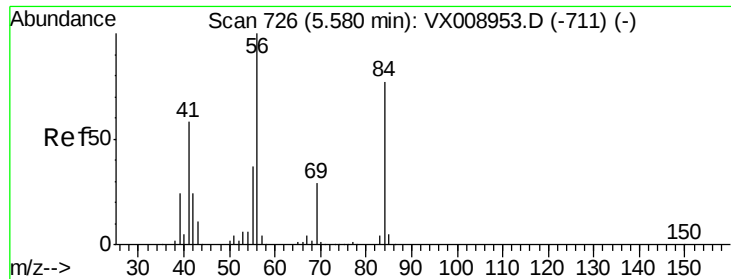
MMDadoda
4/16/2019 10:52:50 AM



#30
Chloroform
Concen: 18.140 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX008952.D
Acq: 15 Apr 2019 10:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.9	77.9





#31

Cyclohexane

Concen: 17.937 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX008952.D

Acq: 15 Apr 2019 10:46

Instrument :

MSVOA_X

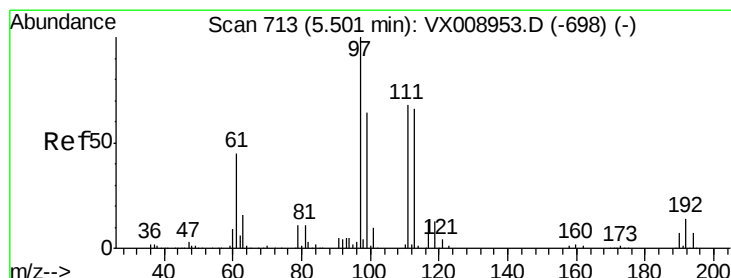
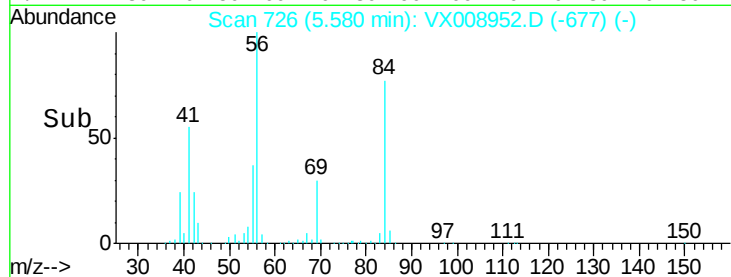
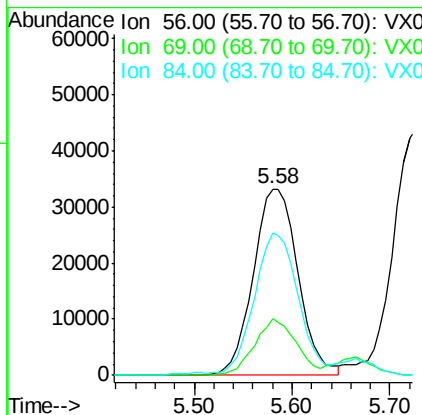
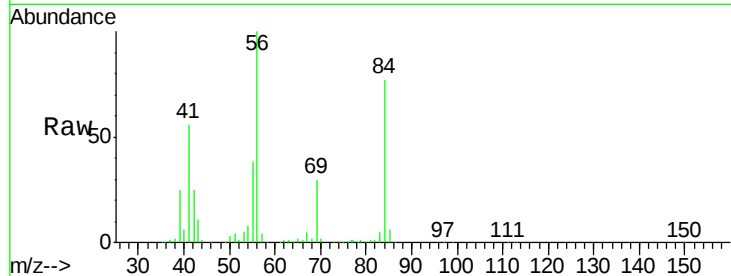
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	105806
Ion Ratio		Lower	Upper
56	100		
69	30.2	23.3	34.9
84	75.8	61.7	92.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.449 ug/l

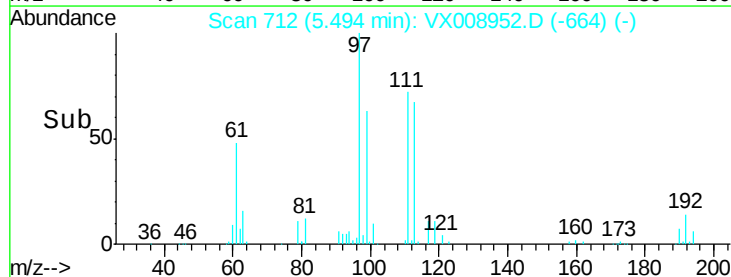
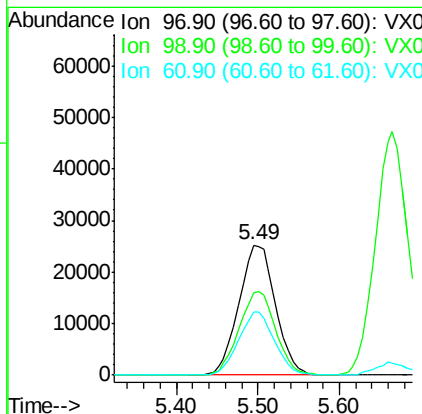
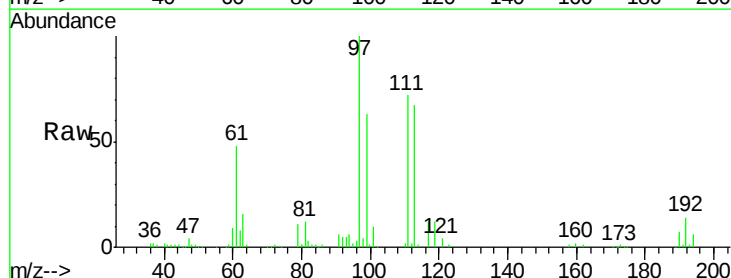
RT: 5.49 min Scan# 712

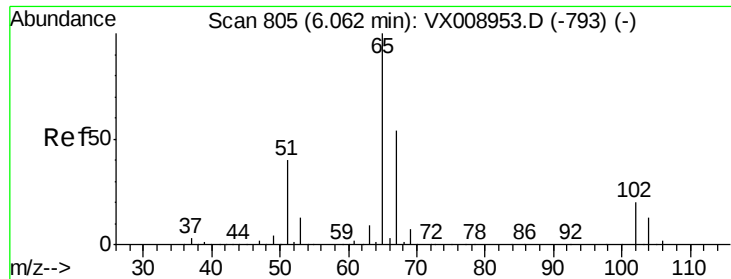
Delta R.T. -0.01 min

Lab File: VX008952.D

Acq: 15 Apr 2019 10:46

Tgt Ion:	97	Resp:	78677
Ion Ratio		Lower	Upper
97	100		
99	64.6	51.6	77.4
61	47.7	37.9	56.9





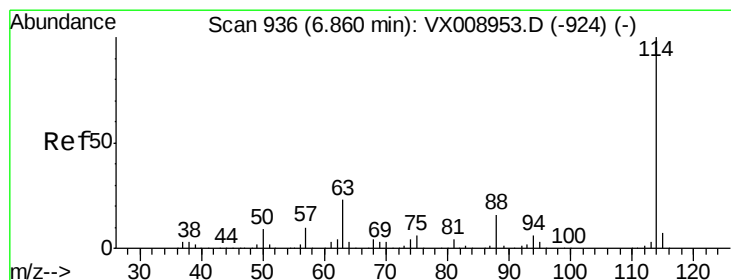
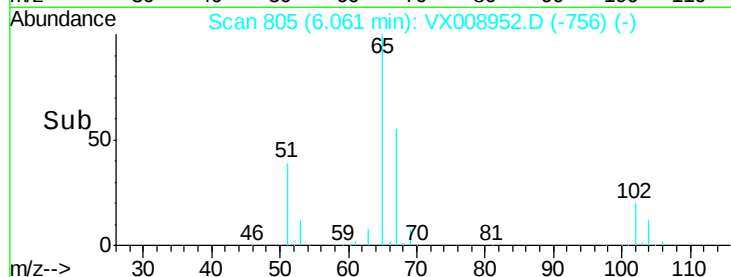
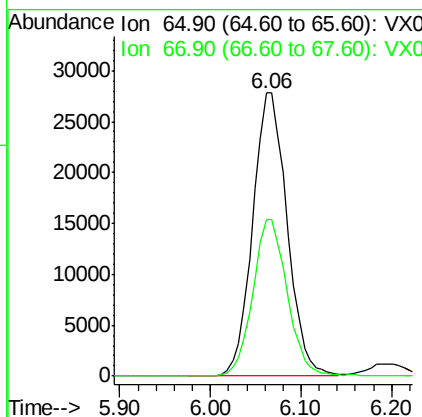
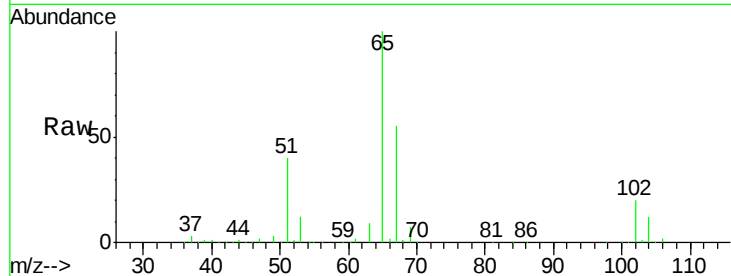
#33
 1,2-Dichloroethane-d4
 Concen: 21.380 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008952.D
 Acq: 15 Apr 2019 10:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion: 65 Resp: 73127
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 108.6

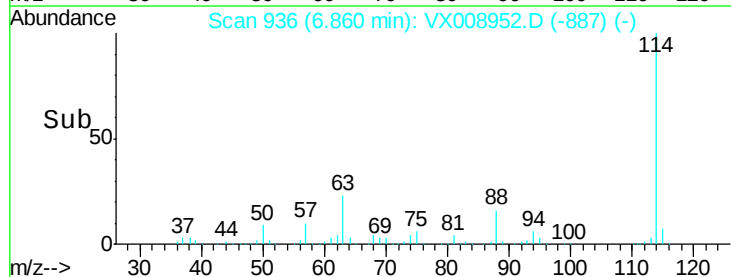
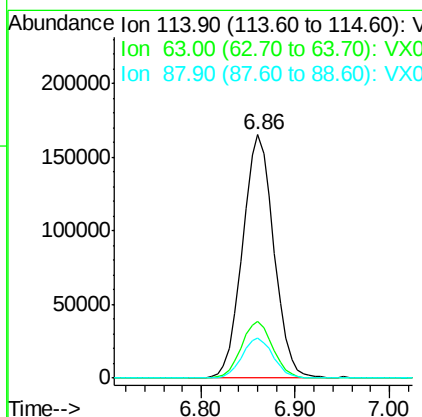
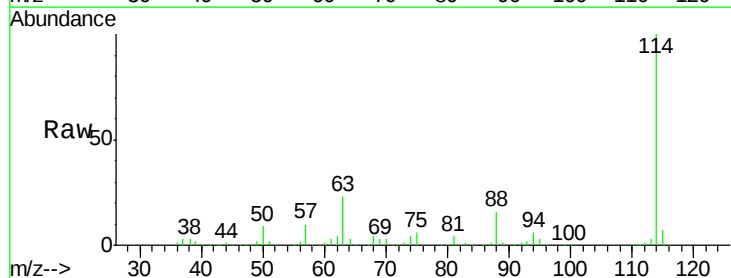
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008952.D
 Acq: 15 Apr 2019 10:46

Tgt Ion: 114 Resp: 384429
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 46.0
 88 16.2 0.0 32.6





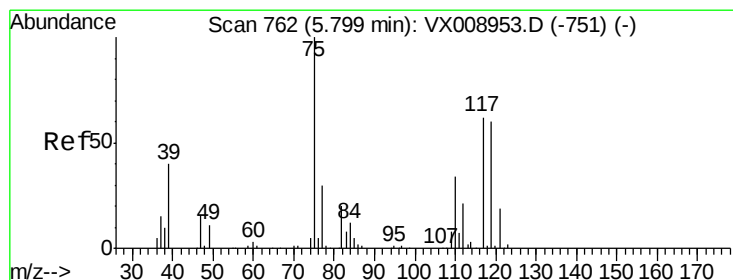
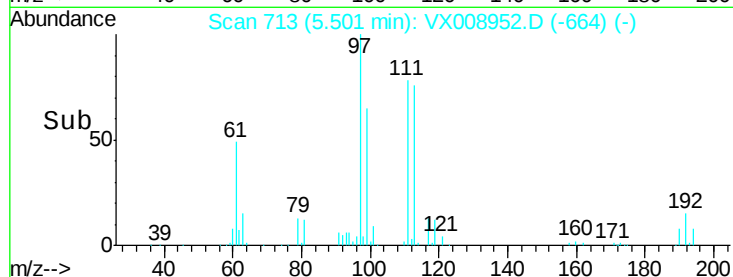
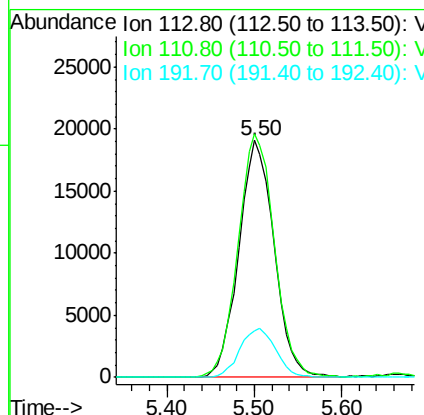
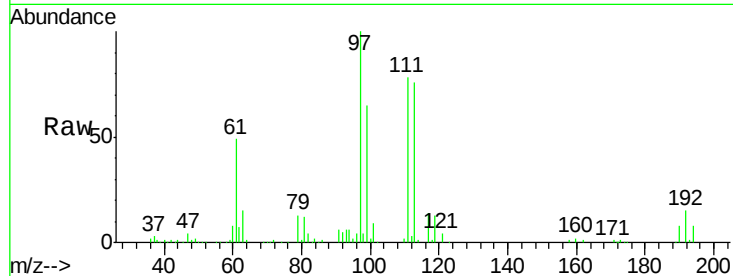
#35
Dibromofluoromethane
Concen: 21.979 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX008952.D
Acq: 15 Apr 2019 10:46

Instrument :
MSVOA_X
ClientSampleID :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	53660		
111	105.3	82.9	124.3	
192	21.1	17.4	26.0	

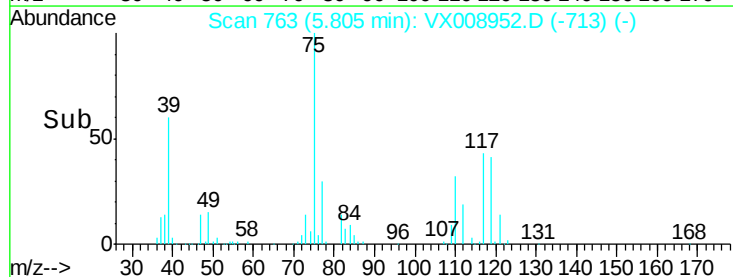
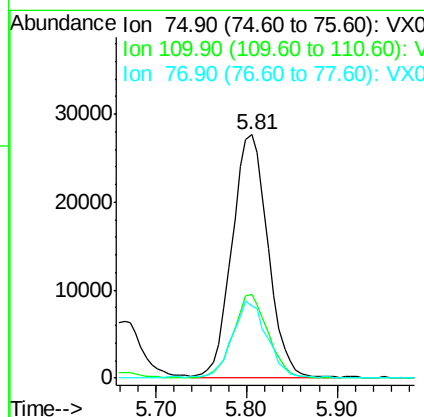
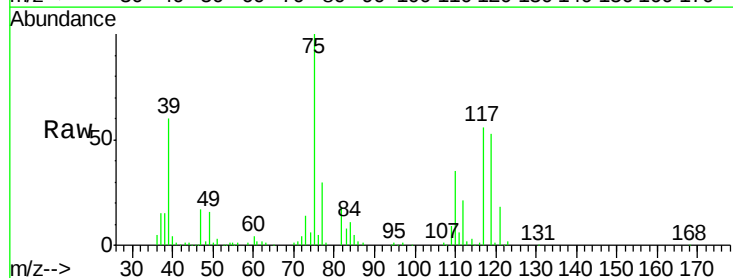
Manual Integrations
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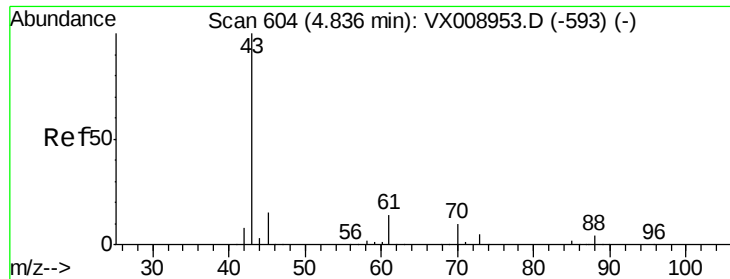
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#36
1,1-Dichloropropene
Concen: 18.256 ug/l
RT: 5.81 min Scan# 763
Delta R.T. 0.01 min
Lab File: VX008952.D
Acq: 15 Apr 2019 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	75465		
110	33.9	16.9	50.7	
77	31.1	25.0	37.4	





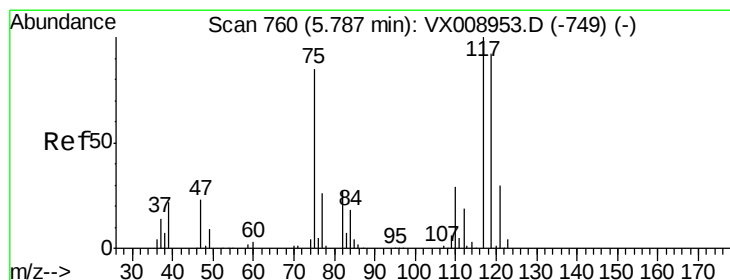
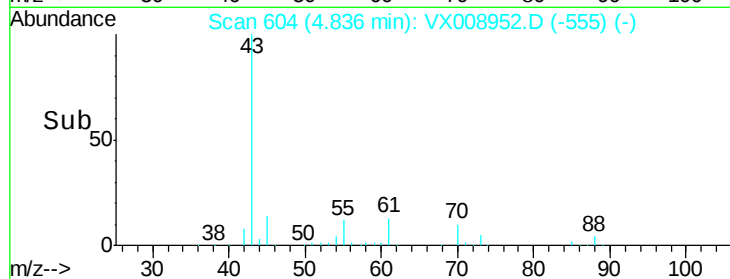
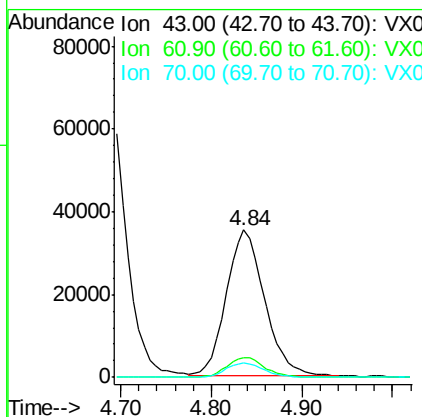
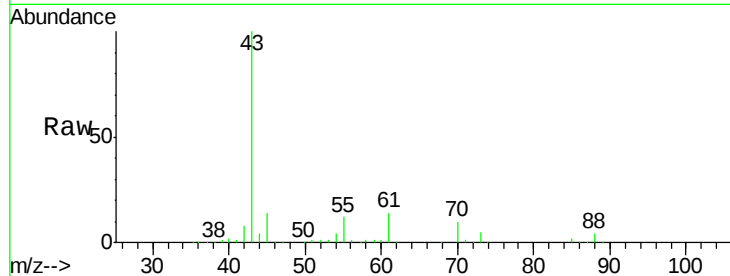
#37
Ethyl Acetate
Concen: 18.831 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX008952.D
Acq: 15 Apr 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.6	15.8
70	9.9	7.7	11.5

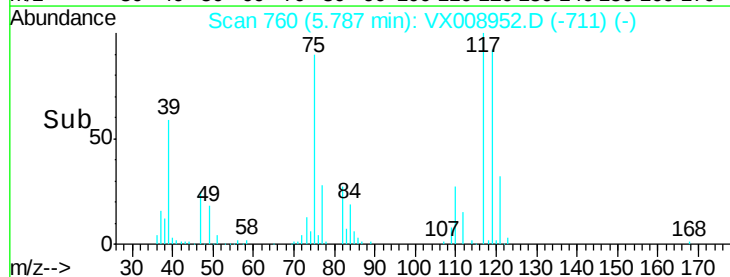
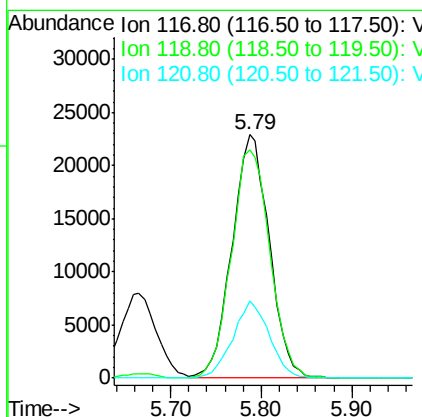
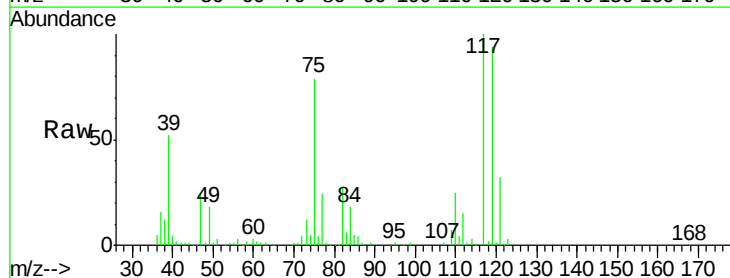
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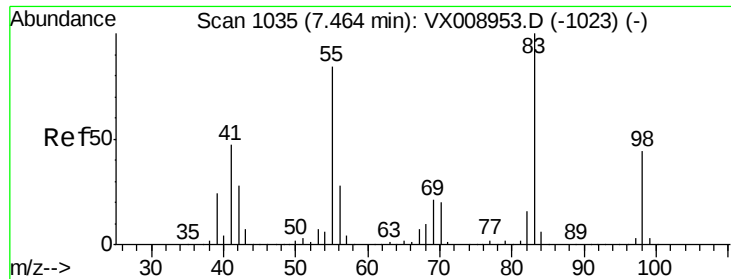
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#38
Carbon Tetrachloride
Concen: 19.051 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX008952.D
Acq: 15 Apr 2019 10:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	73.8	110.8
121	31.7	23.6	35.4





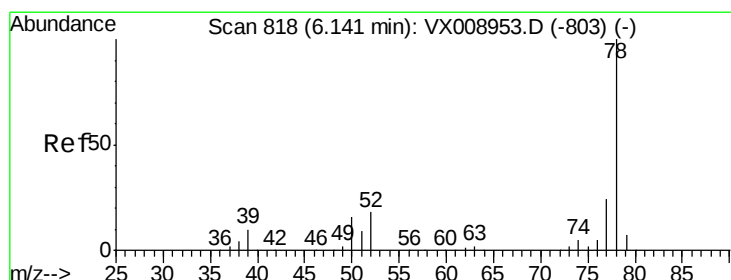
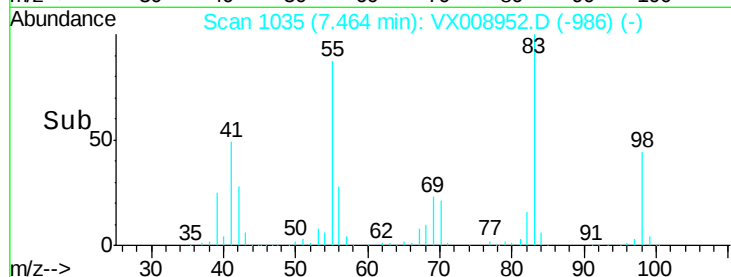
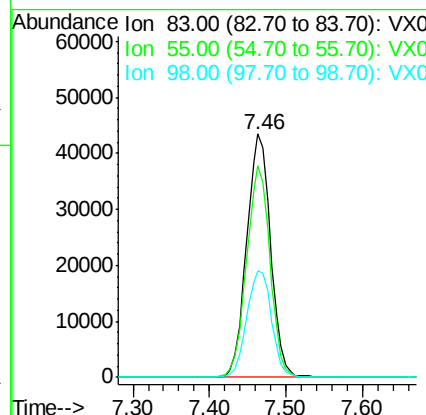
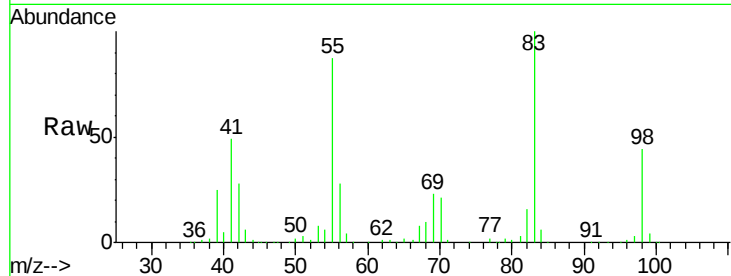
#39
Methvlcvclohexane
Concen: 18.438 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008952.D
Acq: 15 Apr 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.7	67.1	100.7
98	43.9	35.1	52.7

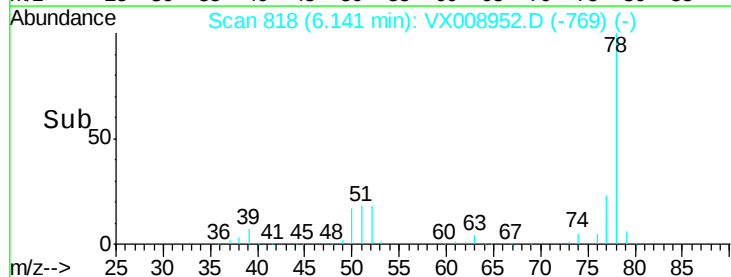
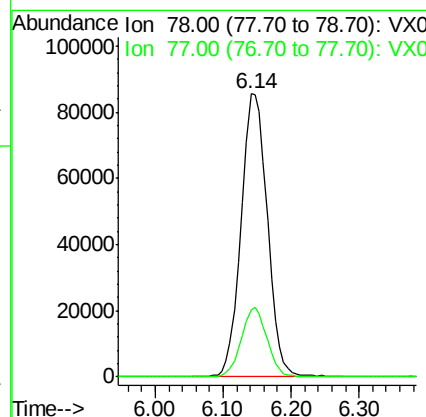
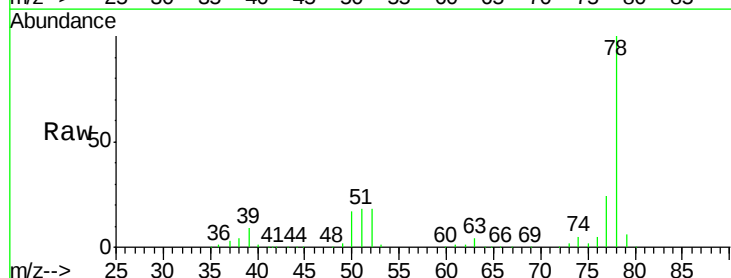
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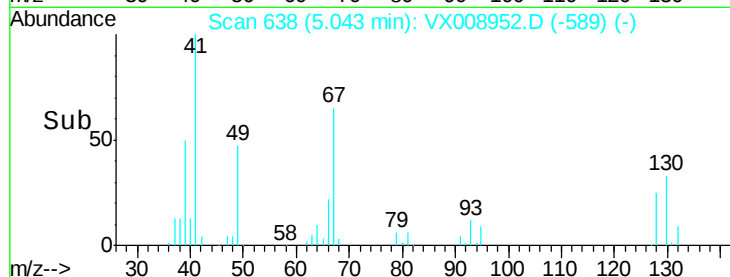
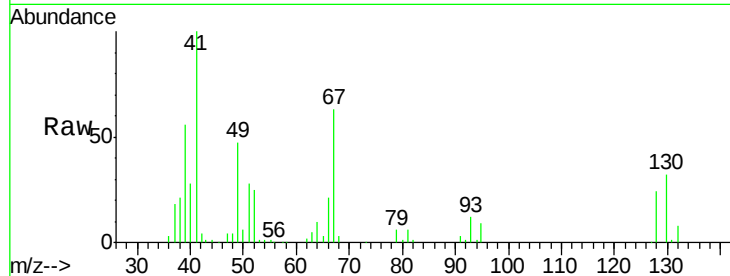
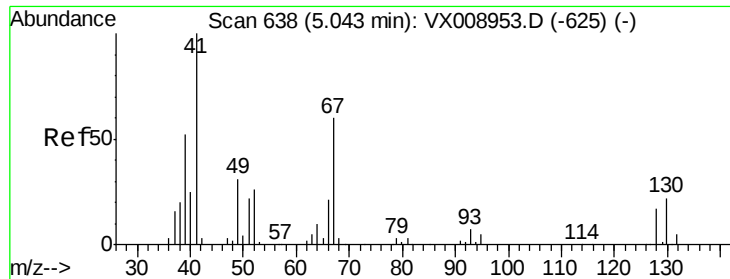
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#40
Benzene
Concen: 18.667 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008952.D
Acq: 15 Apr 2019 10:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6





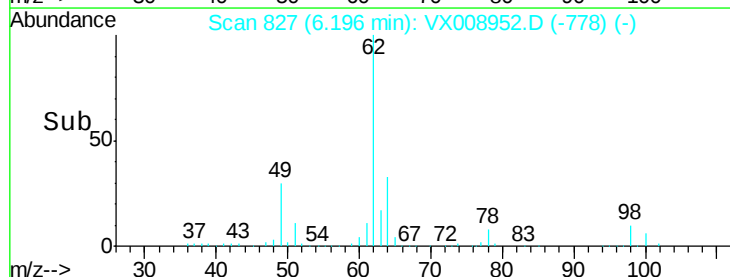
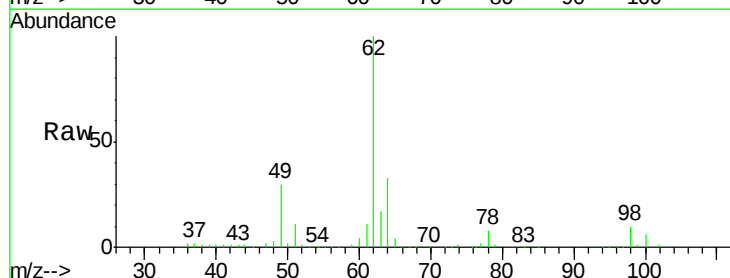
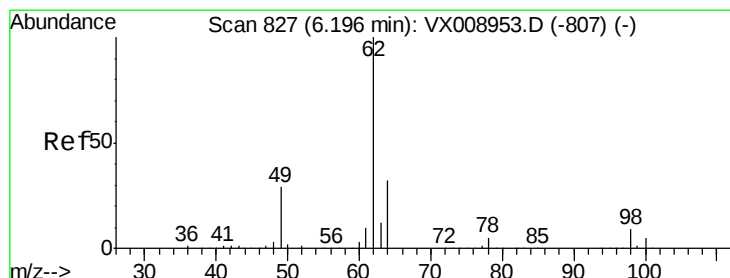
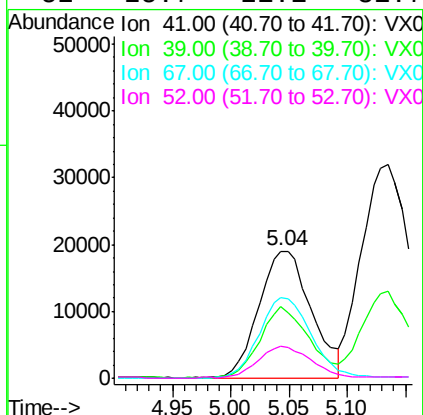
#41
Methacrylonitrile
Concen: 18.671 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX008952.D
Acq: 15 Apr 2019 10:46

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.8	41.8	62.6	
67	63.8	50.2	75.4	
52	25.7	21.1	31.7	

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

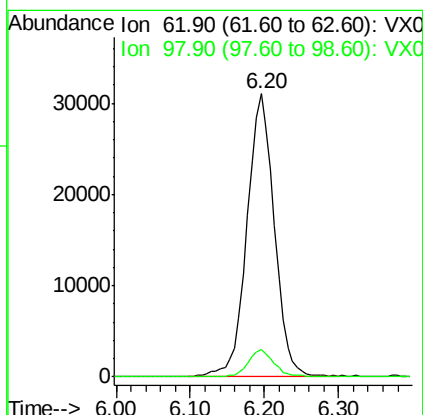
Manual Integrations
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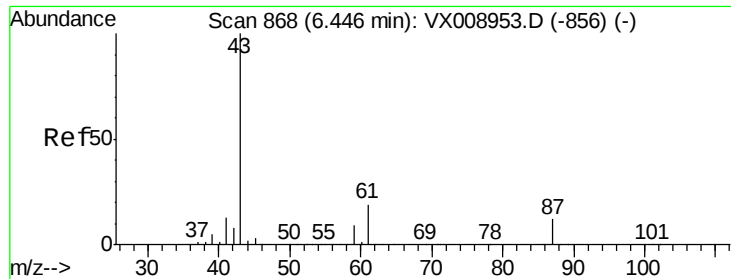
MMDadoda
4/16/2019 10:52:50 AM



#42
1,2-Dichloroethane
Concen: 18.197 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX008952.D
Acq: 15 Apr 2019 10:46

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	0.0	18.4	





#43

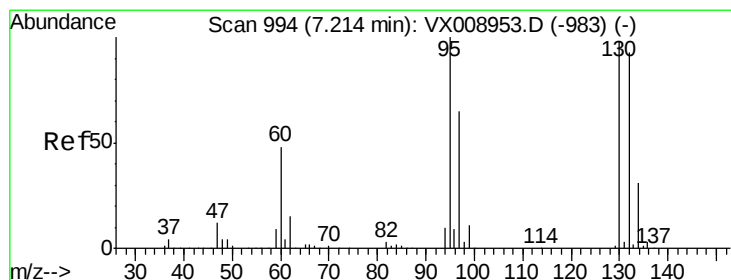
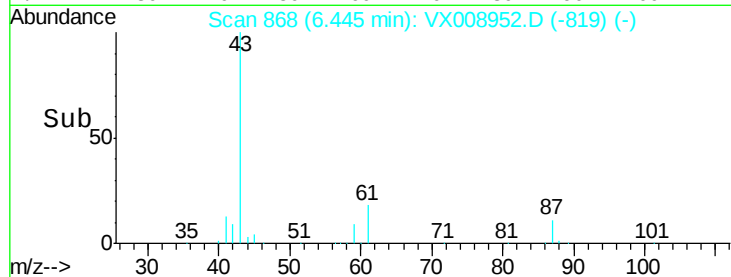
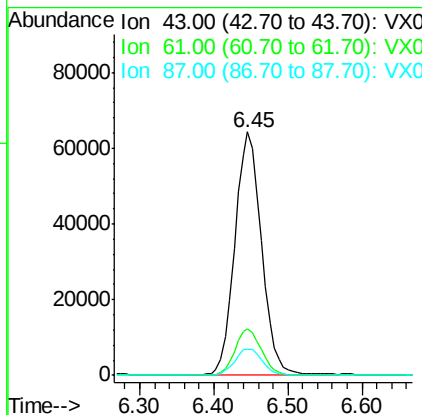
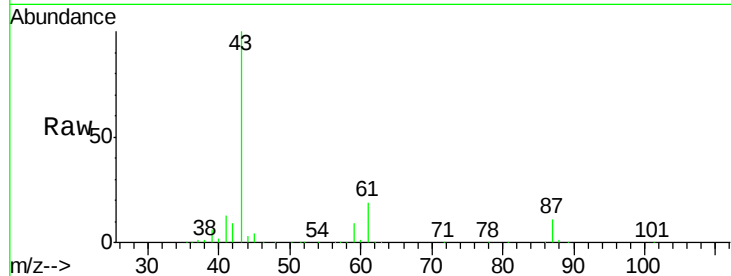
Isopropyl Acetate
 Concen: 18.721 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX008952.D
 Acq: 15 Apr 2019 10:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.4	23.0
87	11.4	9.0	13.4

Manual Integrations
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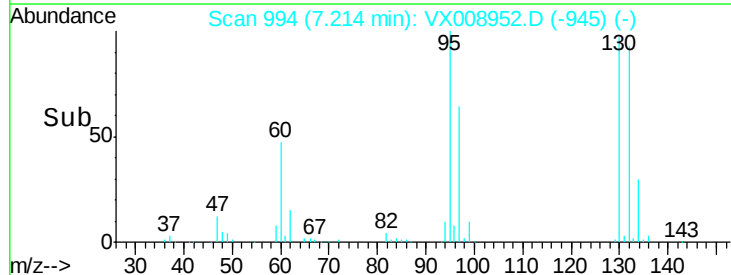
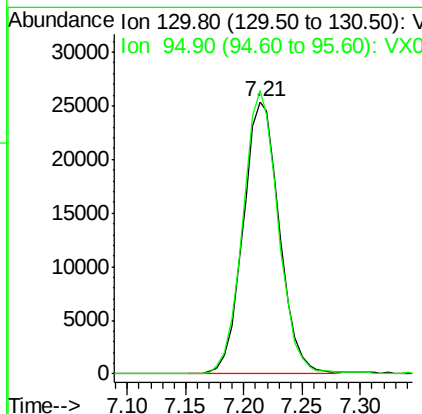
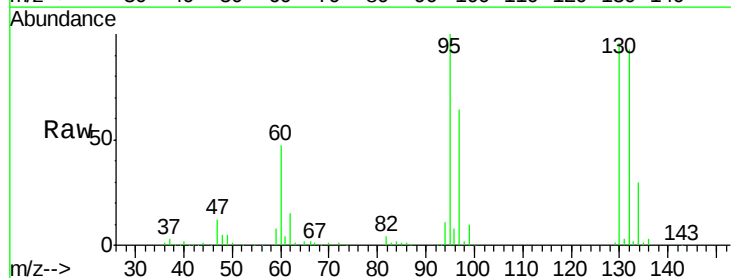
MMDadoda
 4/16/2019 10:52:50 AM

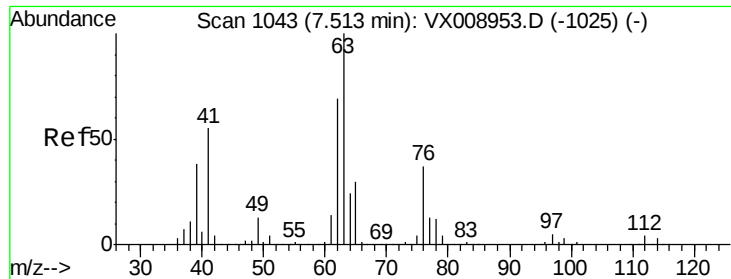


#44

Trichloroethene
 Concen: 19.077 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX008952.D
 Acq: 15 Apr 2019 10:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.9	0.0	203.2





#45

1,2-Dichloropropane

Concen: 18.612 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX008952.D

Acq: 15 Apr 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 65180

Ion Ratio Lower Upper

63 100

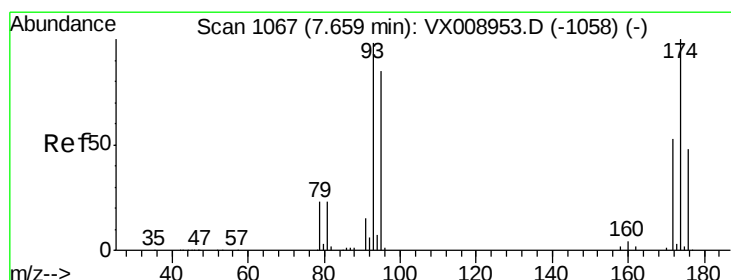
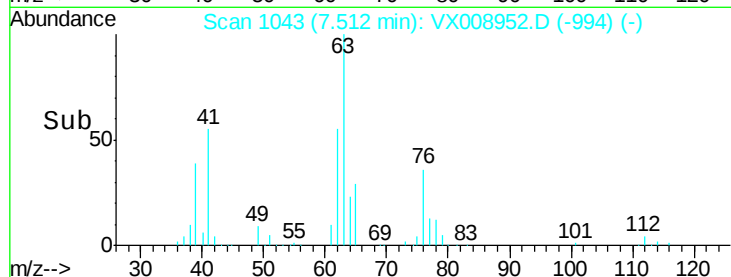
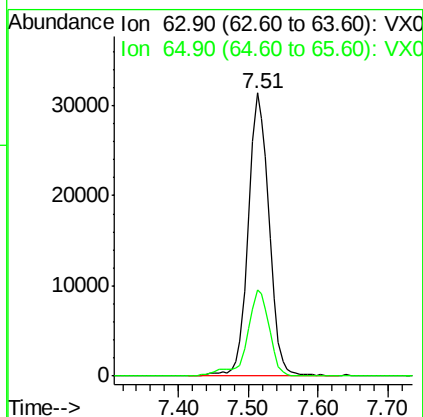
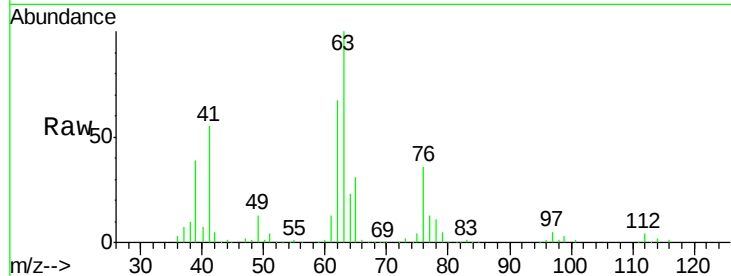
65 30.6 24.1 36.1

Manual Integrations

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#46

Dibromomethane

Concen: 17.960 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX008952.D

Acq: 15 Apr 2019 10:46

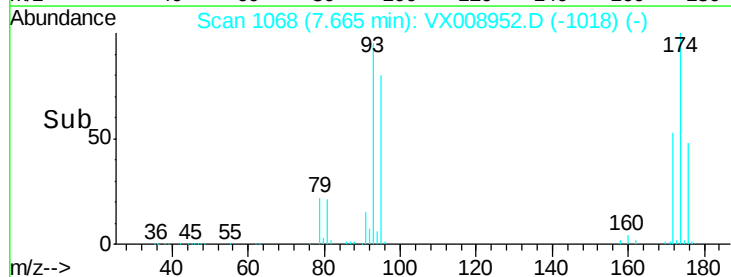
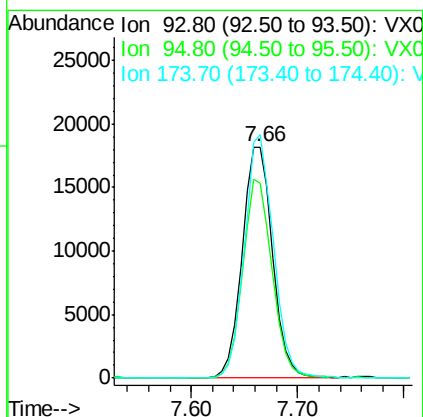
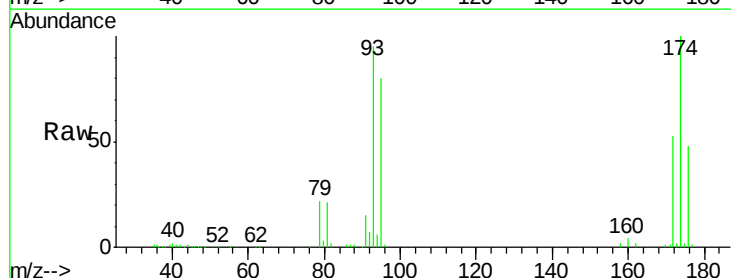
Tgt Ion: 93 Resp: 36606

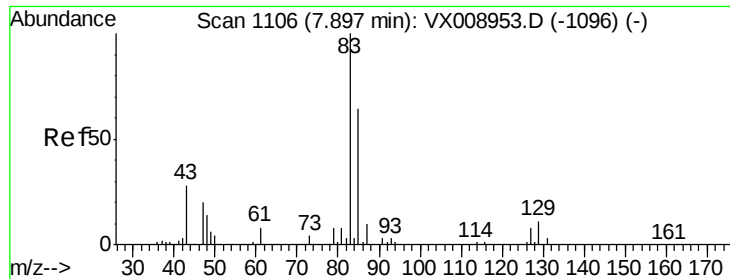
Ion Ratio Lower Upper

93 100

95 83.5 67.0 100.4

174 100.4 81.6 122.4





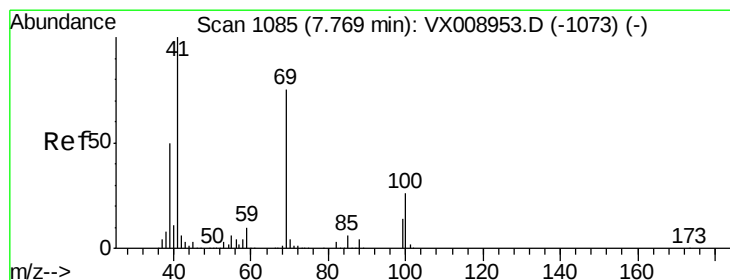
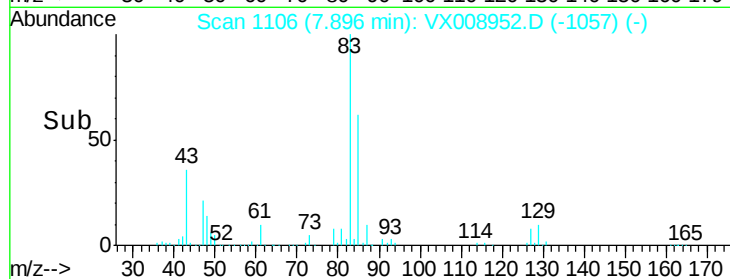
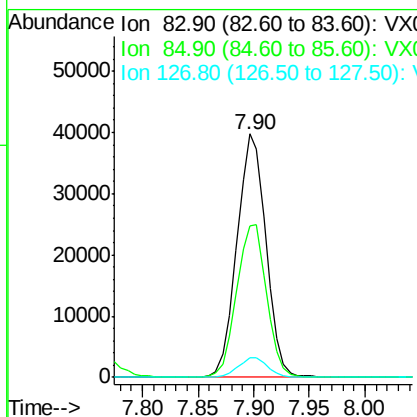
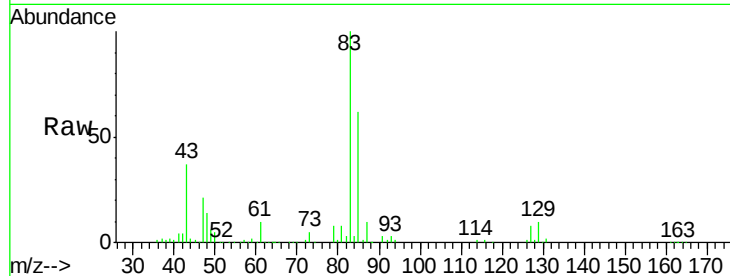
#47
Bromodichloromethane
Concen: 18.723 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX008952.D
Acq: 15 Apr 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.4	50.8	76.2
127	7.9	6.4	9.6

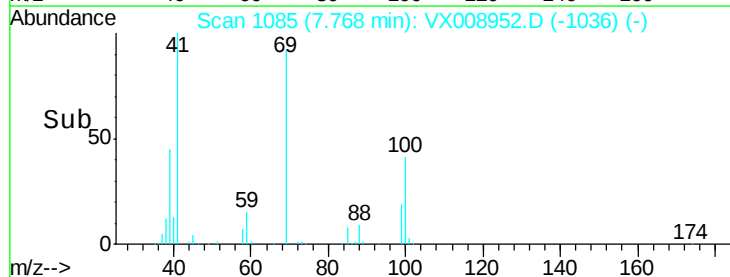
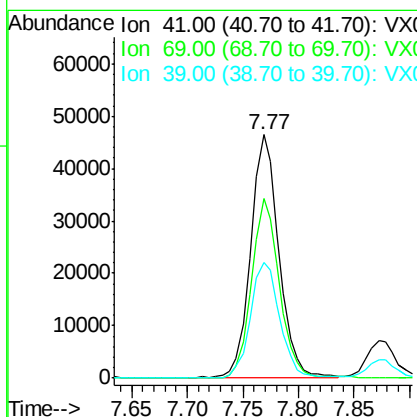
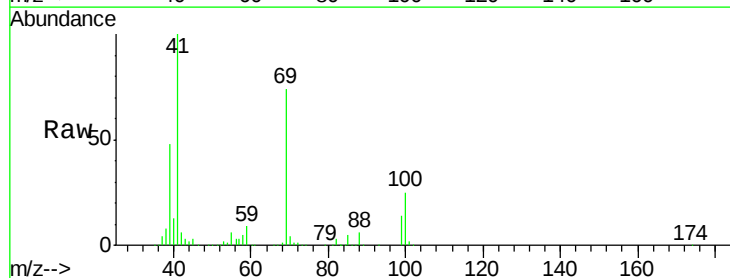
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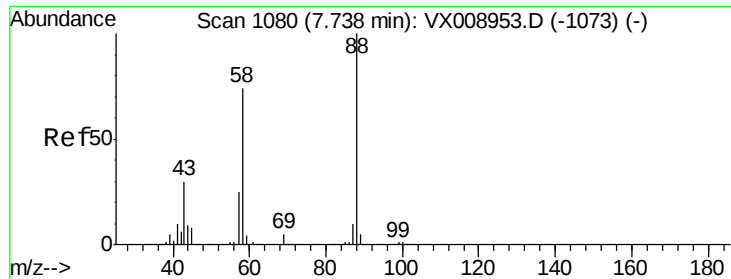
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#48
Methyl methacrylate
Concen: 18.733 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX008952.D
Acq: 15 Apr 2019 10:46

Tgt Ion	Ratio	Lower	Upper
41	100		
69	74.2	59.4	89.2
39	50.0	39.8	59.6





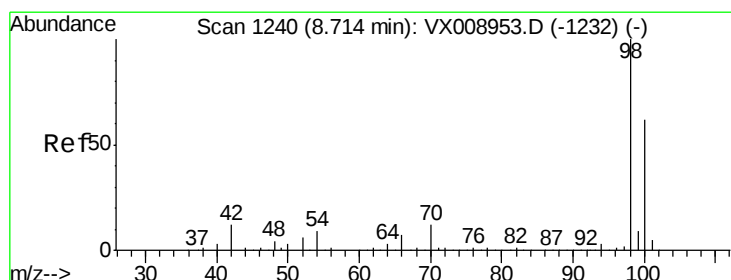
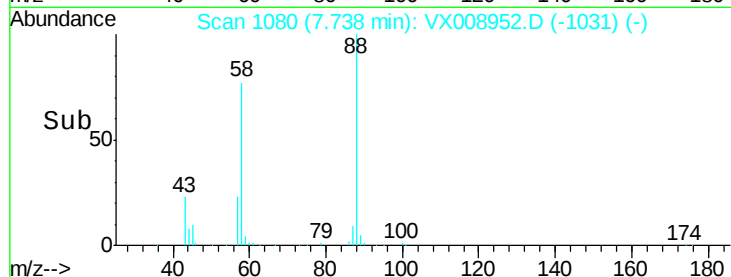
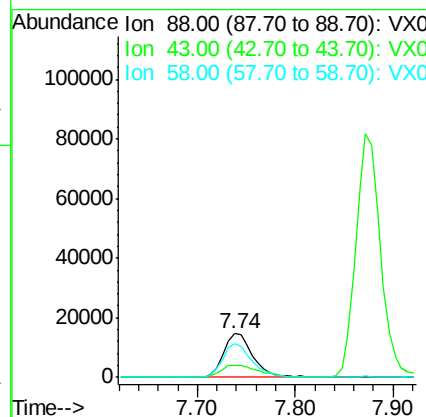
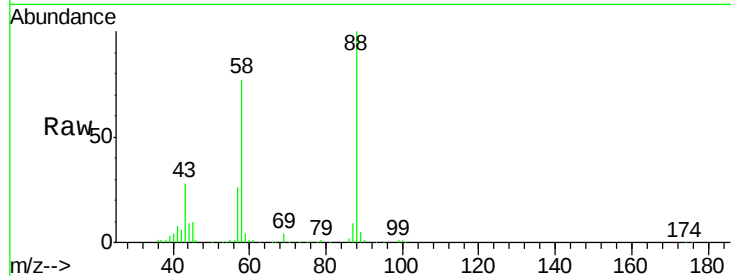
#49
1,4-Dioxane
Concen: 378.066 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX008952.D
Acq: 15 Apr 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.2	29.3	43.9
58	78.0	62.6	93.8

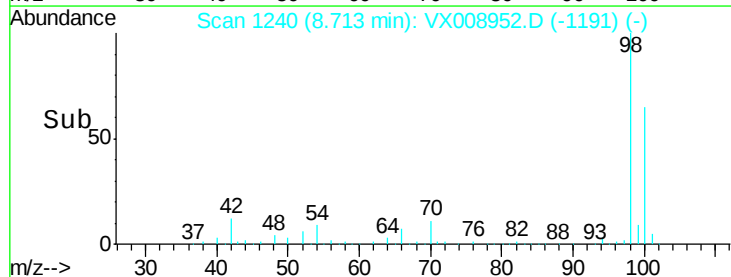
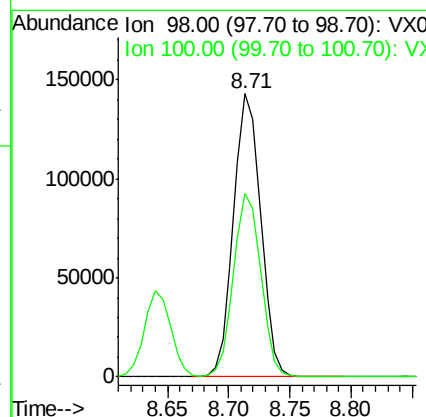
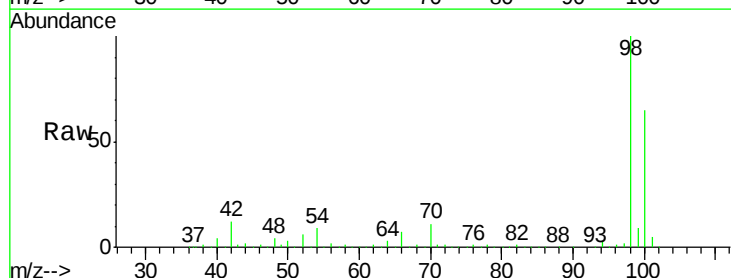
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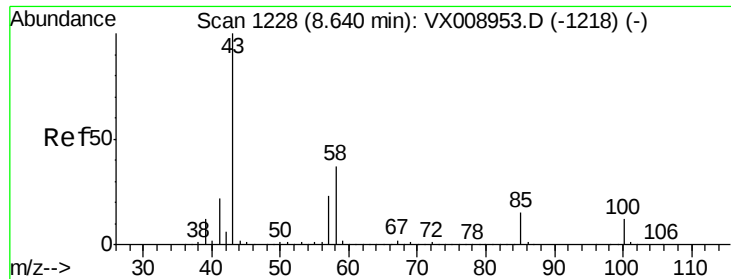
MMDadoda
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#50
Toluene-d8
Concen: 22.714 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008952.D
Acq: 15 Apr 2019 10:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.4	77.2





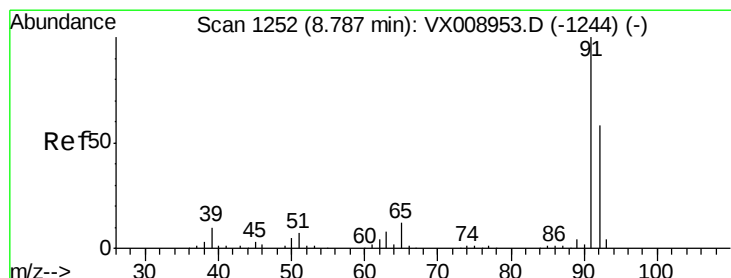
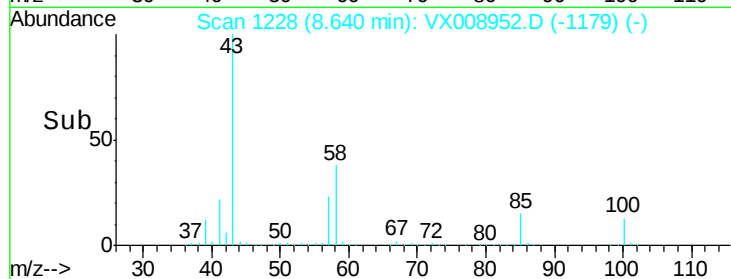
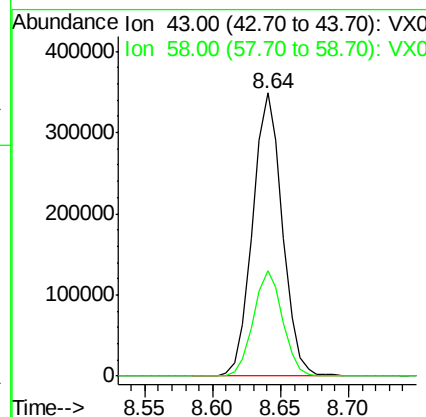
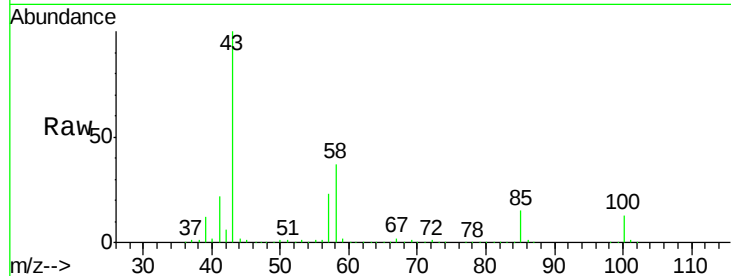
#51
4-Methyl-2-Pentanone
Concen: 96.280 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX008952.D
Acq: 15 Apr 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.1	29.8	44.6

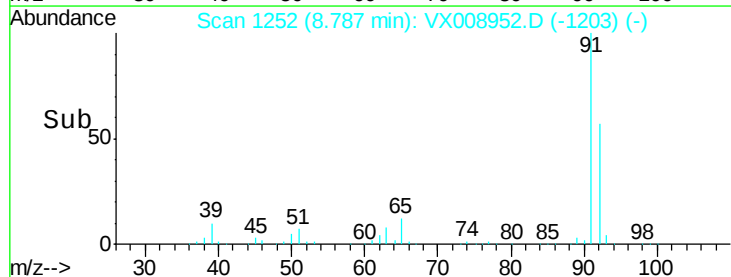
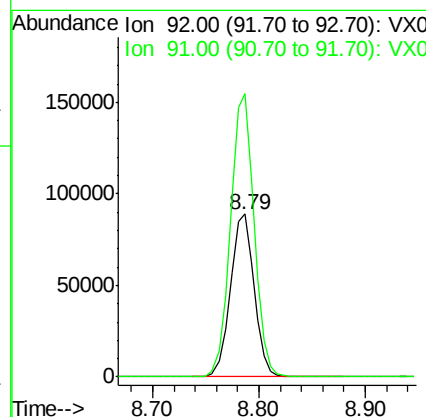
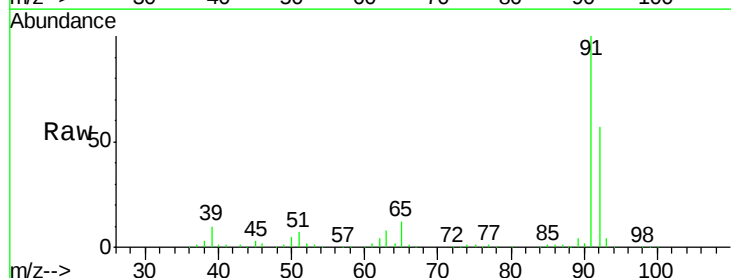
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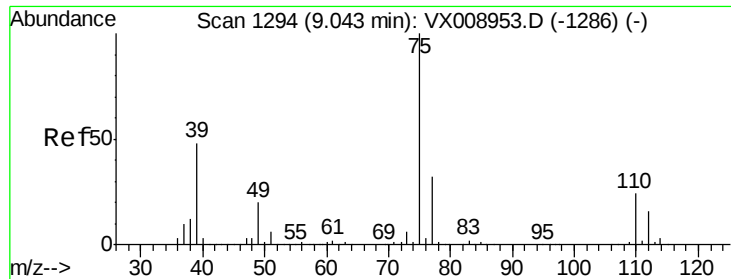
MMDadoda
4/16/2019 10:52:50 AM



#52
Toluene
Concen: 19.107 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX008952.D
Acq: 15 Apr 2019 10:46

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.3	138.5	207.7





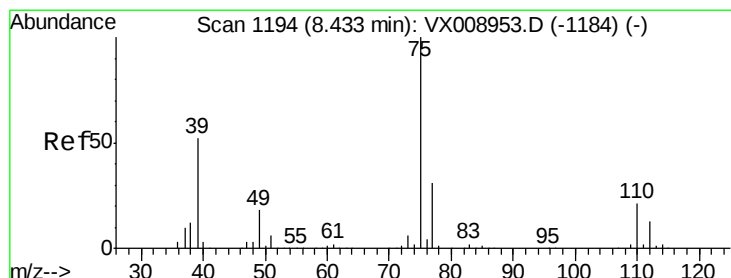
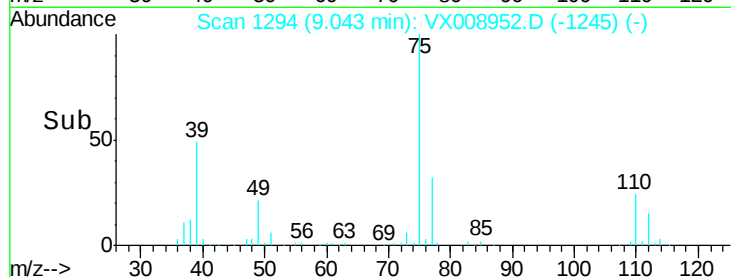
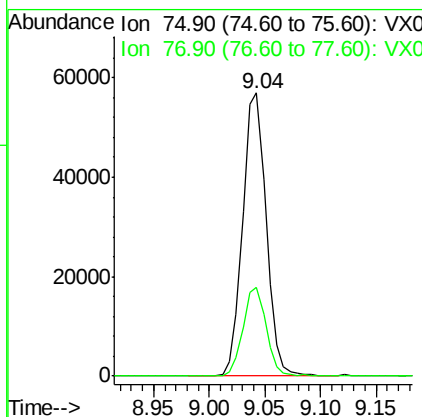
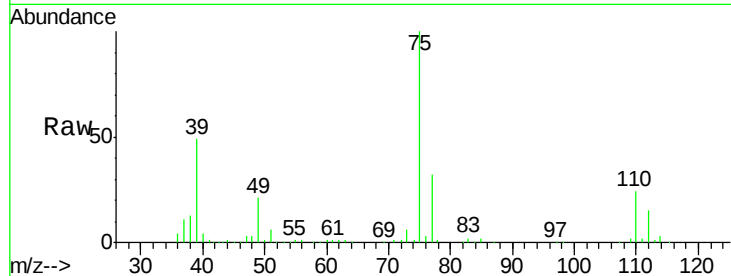
#53
 t-1,3-Dichloropropene
 Concen: 19.393 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX008952.D
 Acq: 15 Apr 2019 10:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion: 75 Resp: 83853
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.4 38.2

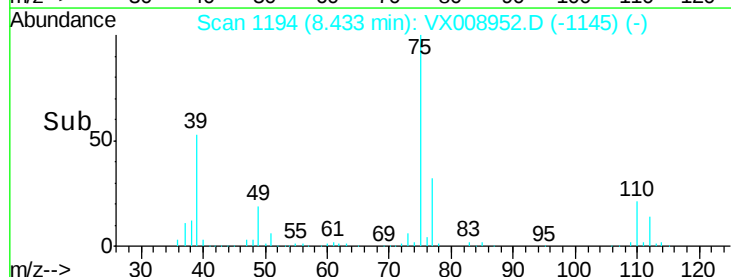
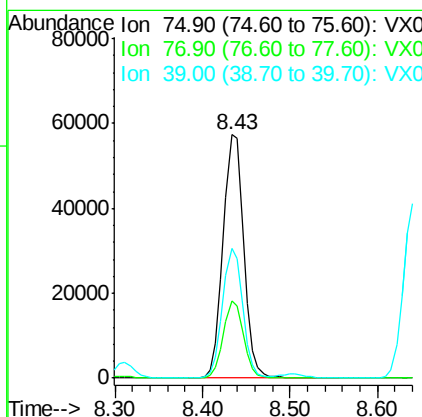
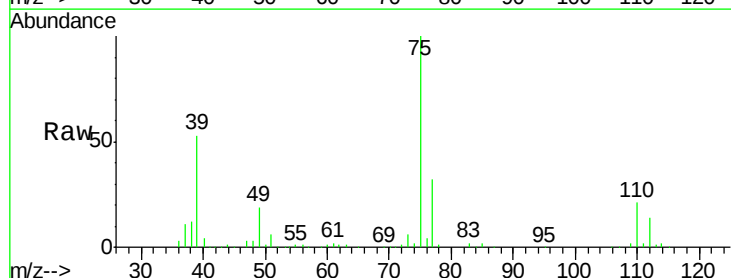
Manual Integrations
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#54
 cis-1,3-Dichloropropene
 Concen: 19.185 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX008952.D
 Acq: 15 Apr 2019 10:46

Tgt Ion: 75 Resp: 94503
 Ion Ratio Lower Upper
 75 100
 77 31.6 24.8 37.2
 39 52.8 41.8 62.6





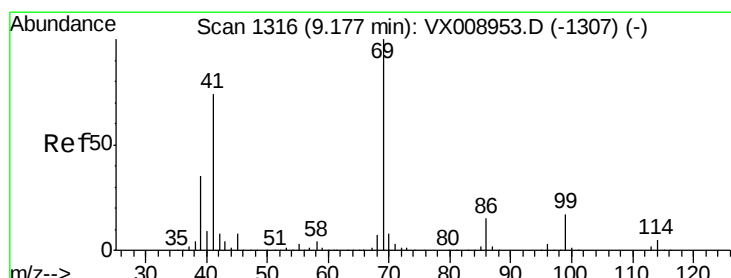
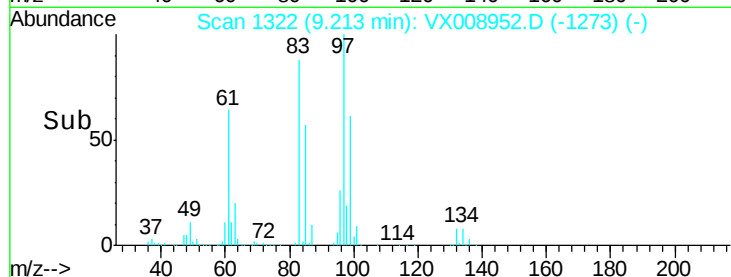
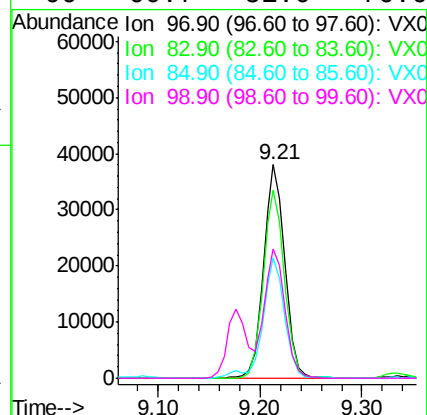
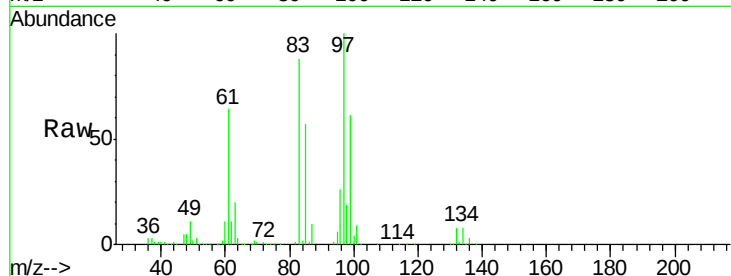
#55
 1,1,2-Trichloroethane
 Concen: 19.064 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008952.D
 Acq: 15 Apr 2019 10:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.1	72.6	108.8
85	56.6	46.9	70.3
99	60.7	51.0	76.6

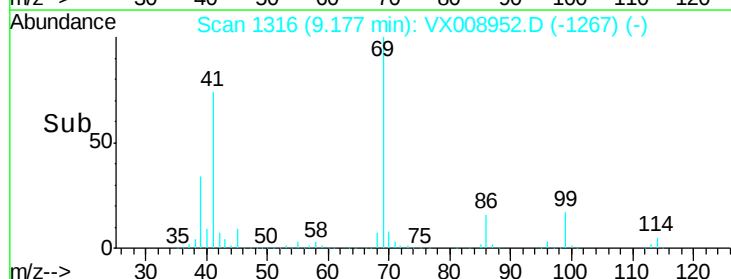
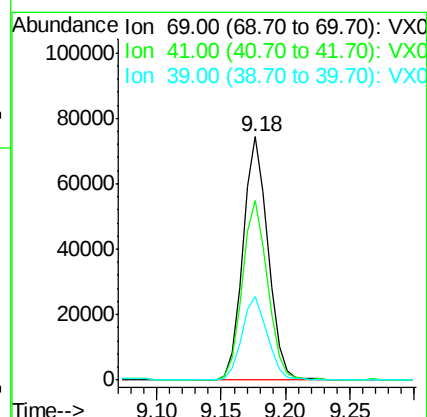
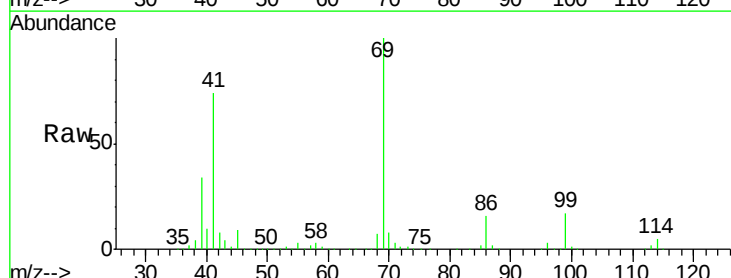
Manual Integrations
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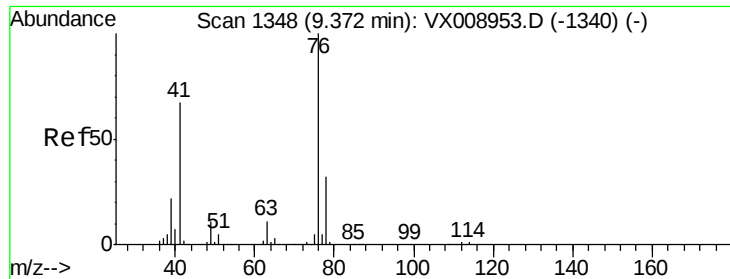
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 4/16/2019 10:52:50 AM



#56
 Ethyl methacrylate
 Concen: 19.033 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX008952.D
 Acq: 15 Apr 2019 10:46

Tgt Ion	Ratio	Lower	Upper
69	100		
41	74.5	60.2	90.2
39	34.9	27.9	41.9





#57

1,3-Dichloropropane

Concen: 18.690 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX008952.D

Acq: 15 Apr 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 97617

Ion Ratio Lower Upper

76 100

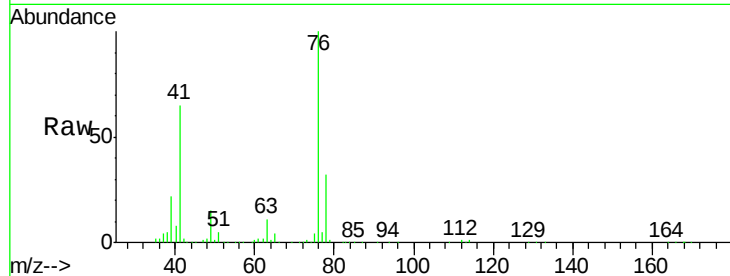
78 32.0 25.7 38.5

Manual Integrations

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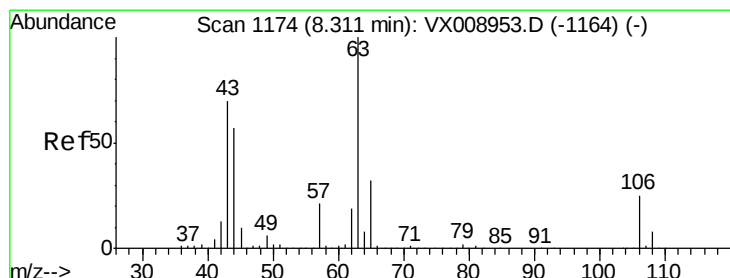
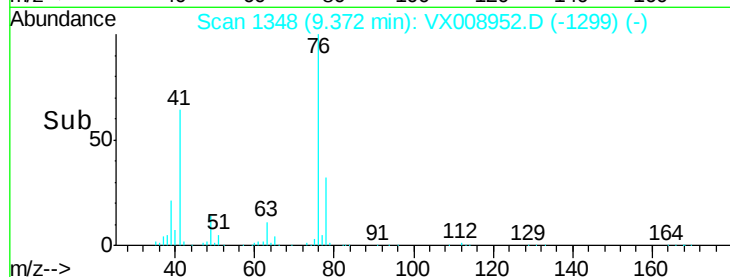
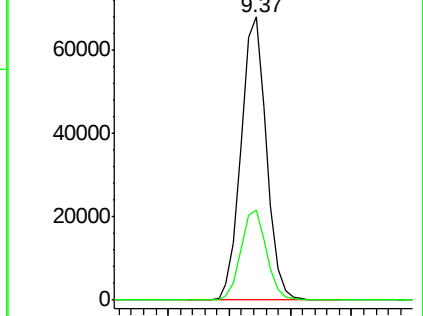
MMDadoda

4/16/2019 10:52:50 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 104.377 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX008952.D

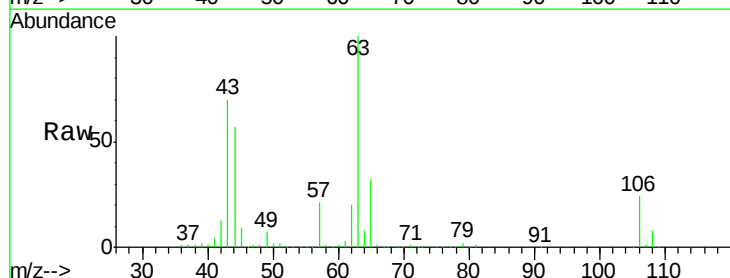
Acq: 15 Apr 2019 10:46

Tgt Ion: 63 Resp: 282881

Ion Ratio Lower Upper

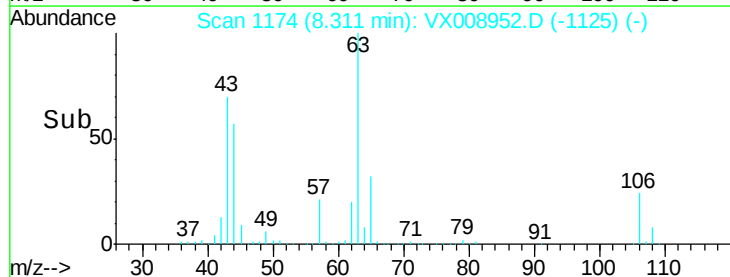
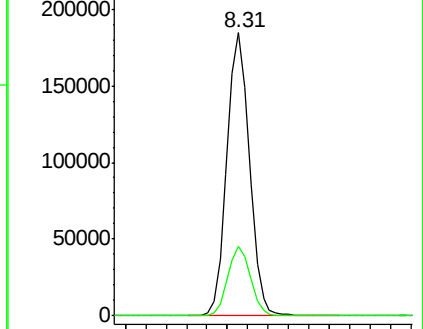
63 100

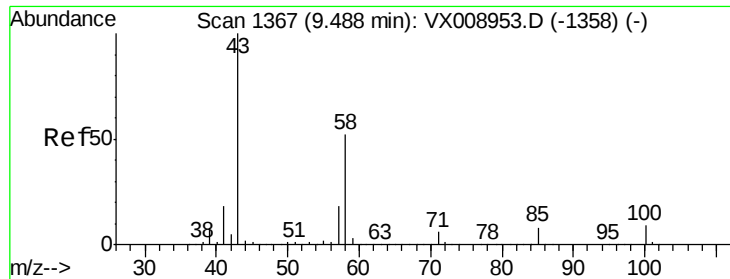
106 24.5 19.8 29.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





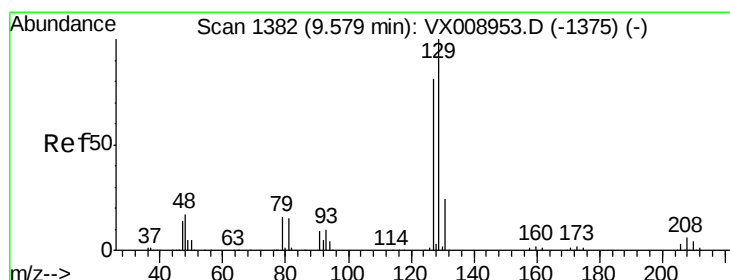
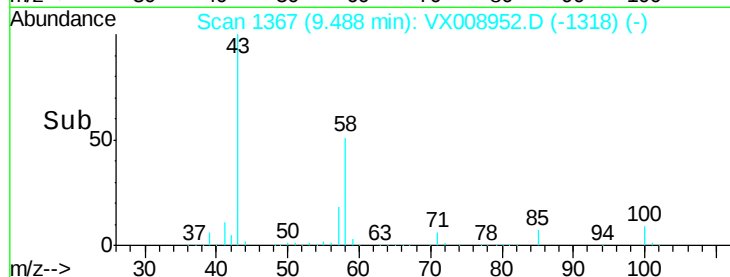
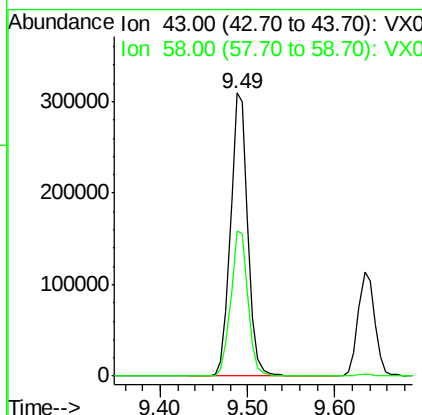
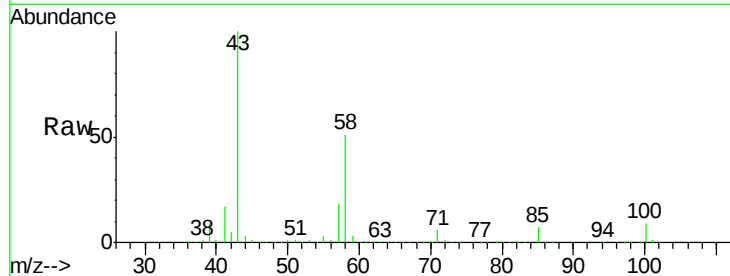
#59
2-Hexanone
Concen: 98.352 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX008952.D
Acq: 15 Apr 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.6	25.9	77.8

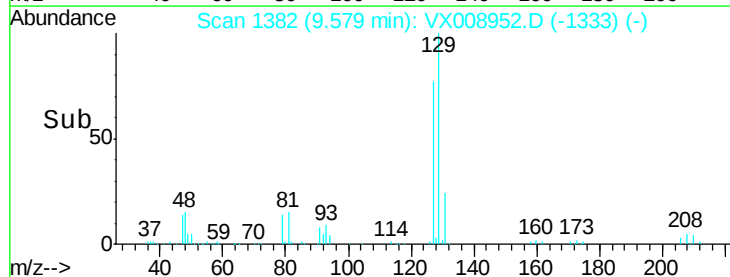
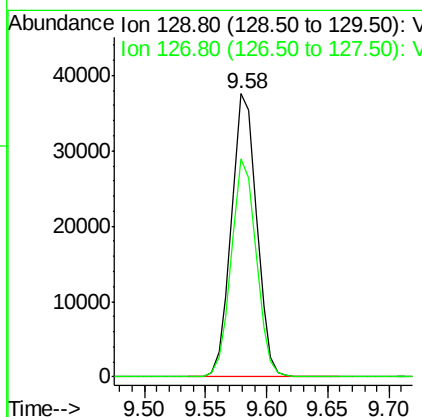
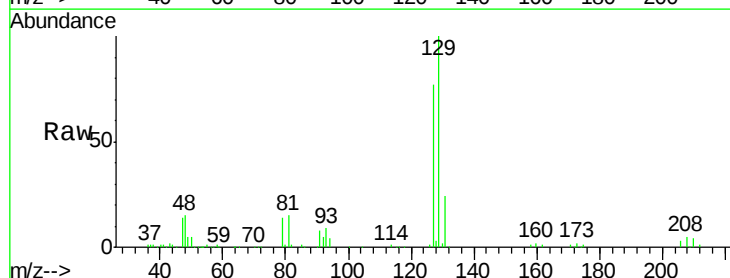
Manual Integrations
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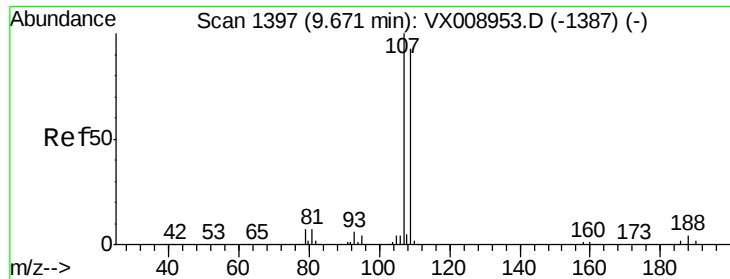
MMDadoda
4/16/2019 10:52:50 AM



#60
Dibromochloromethane
Concen: 19.478 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX008952.D
Acq: 15 Apr 2019 10:46

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.8	39.1	117.2





#61

1,2-Dibromoethane

Concen: 18.743 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008952.D

Acq: 15 Apr 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 56868

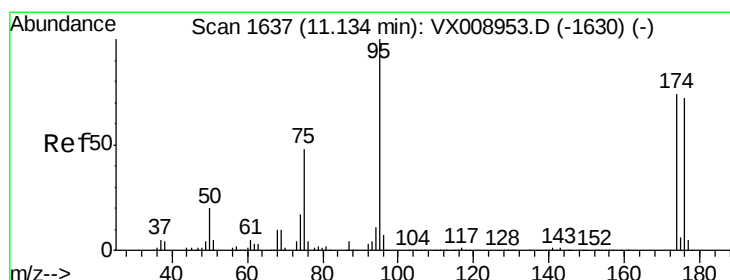
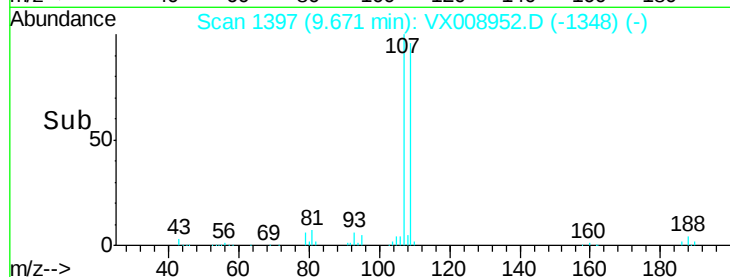
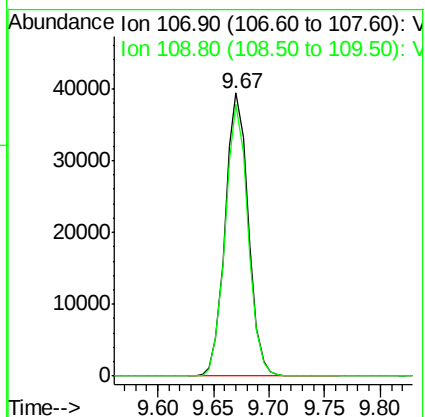
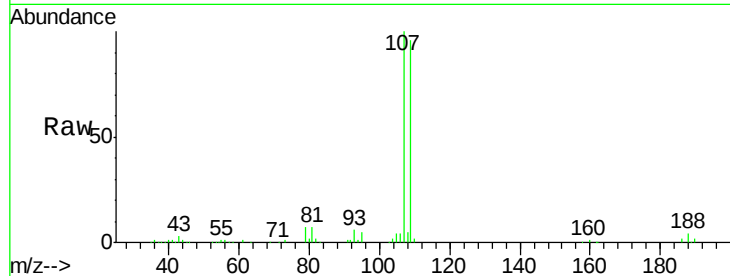
Ion Ratio Lower Upper

107 100

109 94.6 74.4 111.6

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#62

4-Bromofluorobenzene

Concen: 22.439 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008952.D

Acq: 15 Apr 2019 10:46

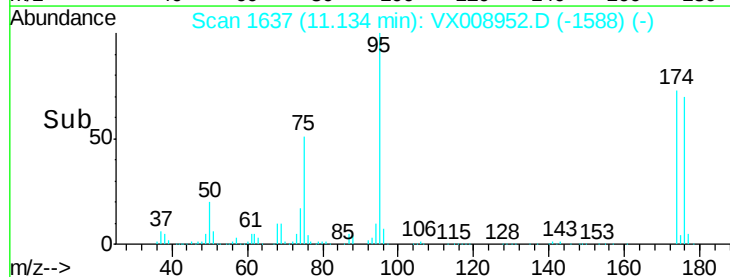
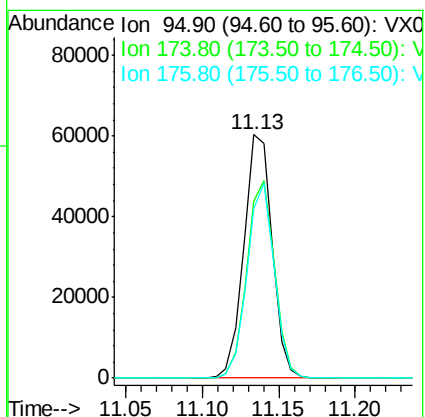
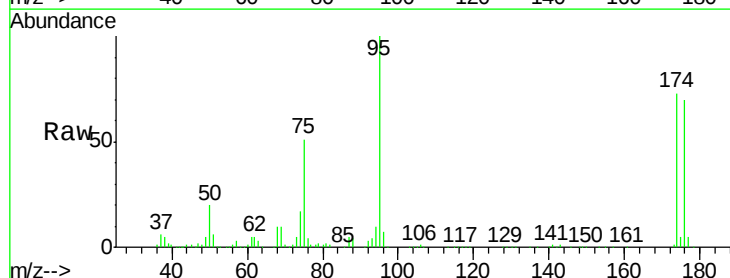
Tgt Ion: 95 Resp: 77313

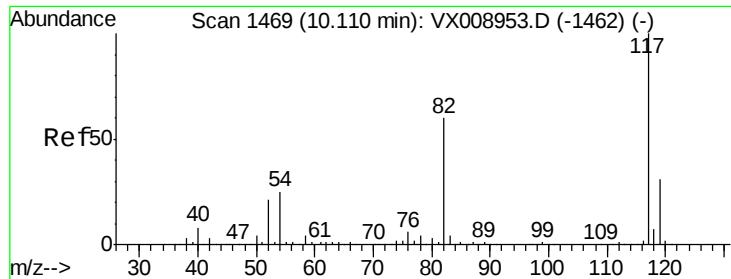
Ion Ratio Lower Upper

95 100

174 79.9 0.0 159.6

176 77.1 0.0 154.8





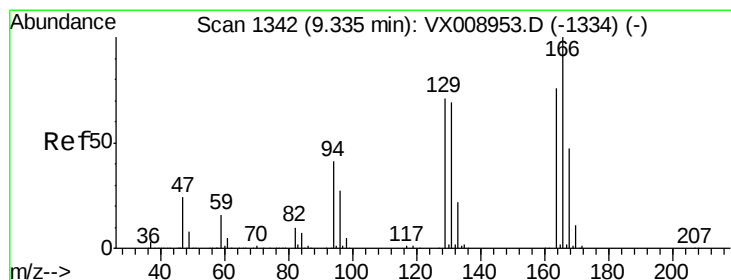
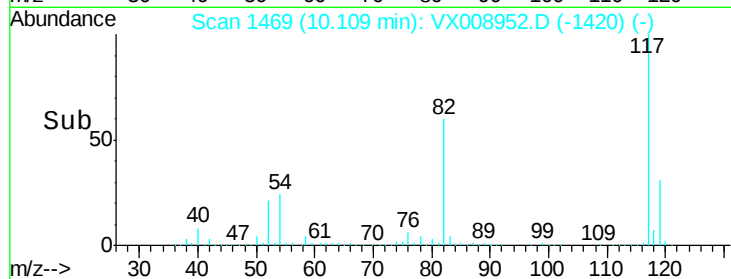
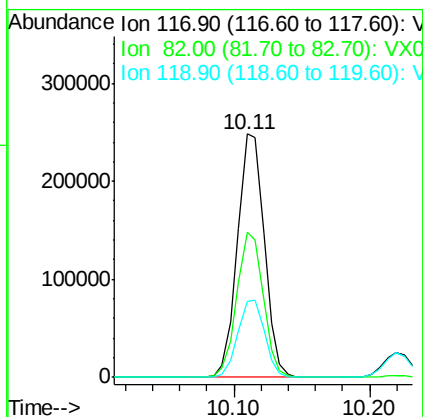
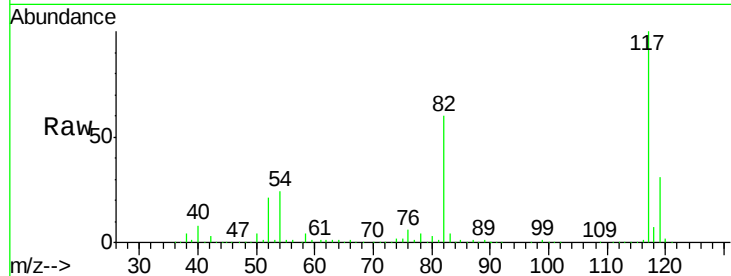
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008952.D
Acq: 15 Apr 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.6	48.2	72.4
119	31.1	25.0	37.6

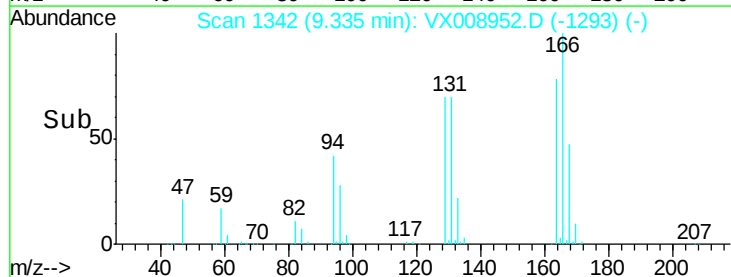
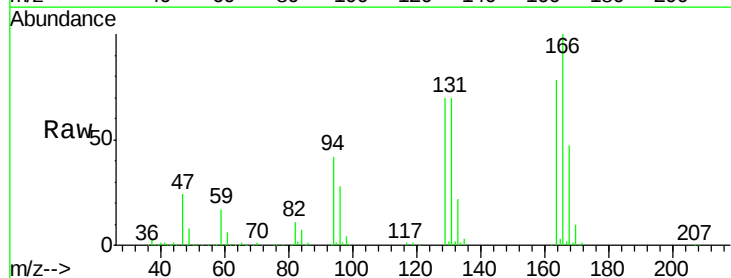
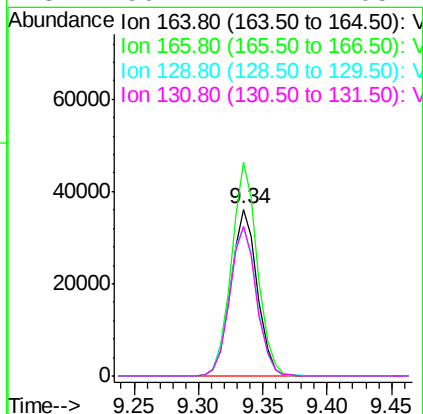
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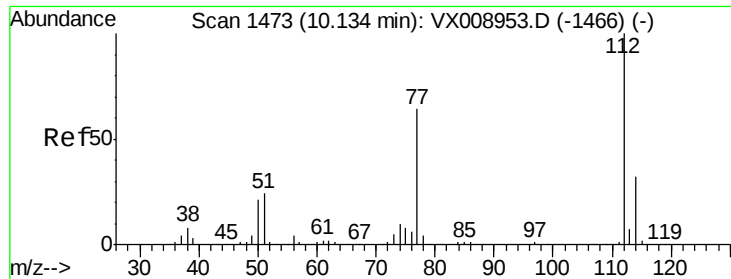
MMDadoda
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#64
Tetrachloroethene
Concen: 20.453 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008952.D
Acq: 15 Apr 2019 10:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	105.0	157.4
129	89.3	74.2	111.4
131	90.1	72.2	108.2





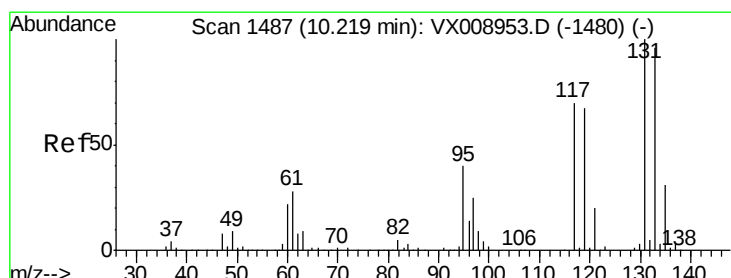
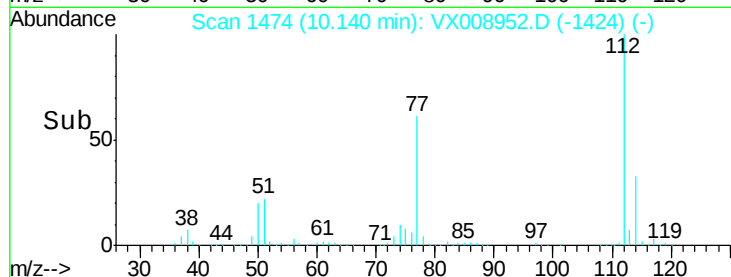
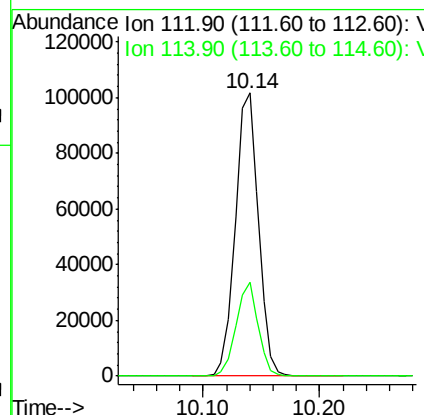
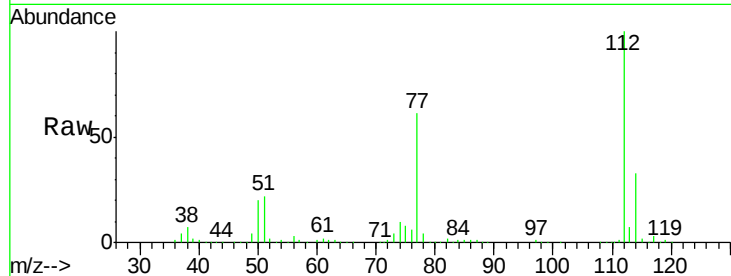
#65
Chlorobenzene
Concen: 18.855 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX008952.D
Acq: 15 Apr 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 140695
Ion Ratio Lower Upper
112 100
114 33.4 25.4 38.0

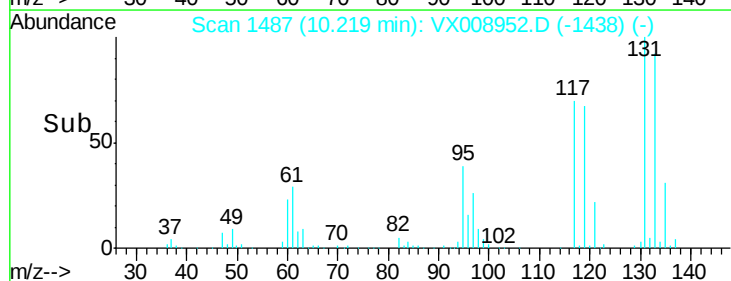
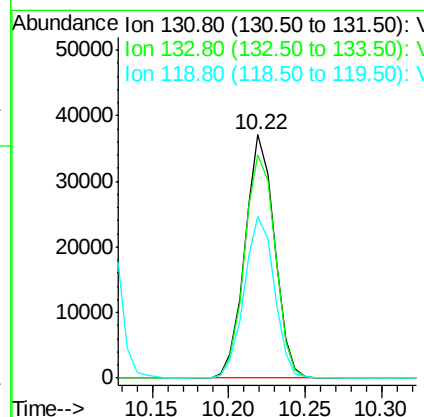
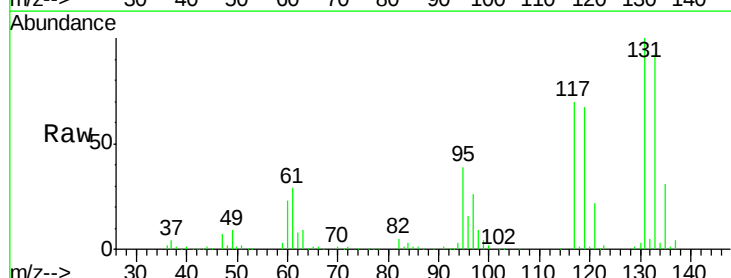
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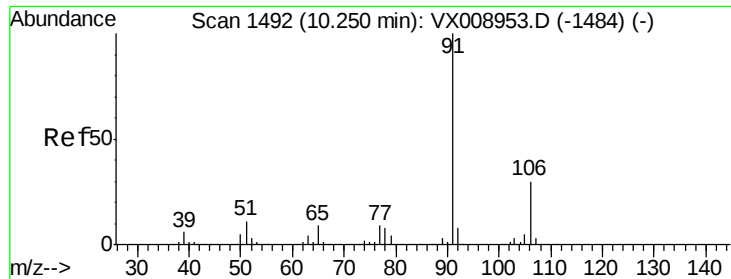
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.957 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX008952.D
Acq: 15 Apr 2019 10:46

Tgt Ion:131 Resp: 49607
Ion Ratio Lower Upper
131 100
133 95.9 48.0 144.2
119 67.8 33.7 101.1





#67

Ethyl Benzene

Concen: 18.729 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX008952.D

Acq: 15 Apr 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 259880

Ion Ratio Lower Upper

91 100

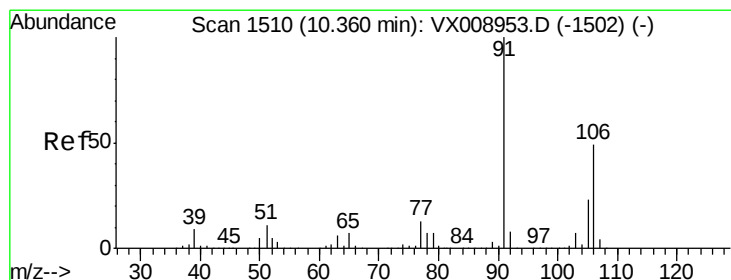
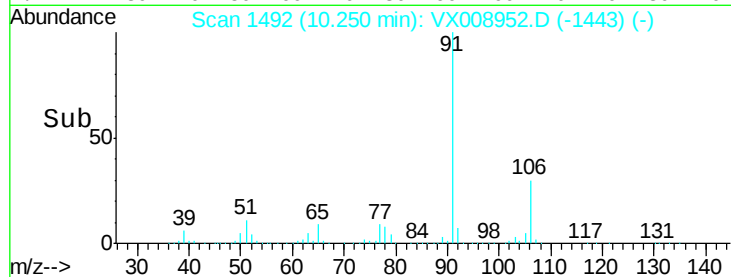
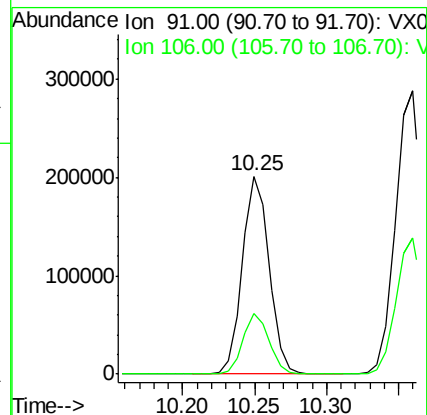
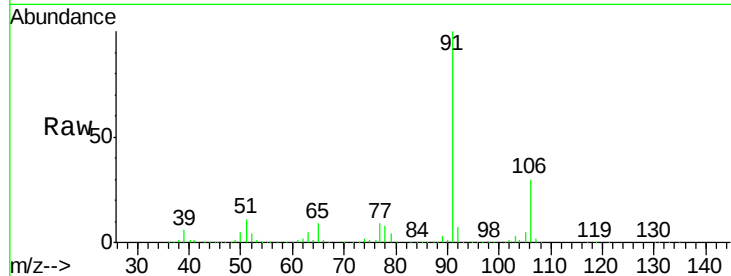
106 30.4 24.3 36.5

Manual Integrations

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#68

m/p-Xylenes

Concen: 37.238 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX008952.D

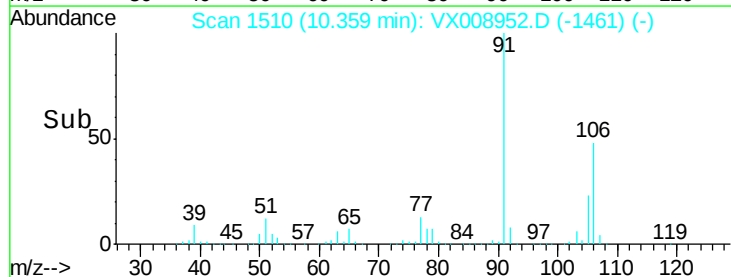
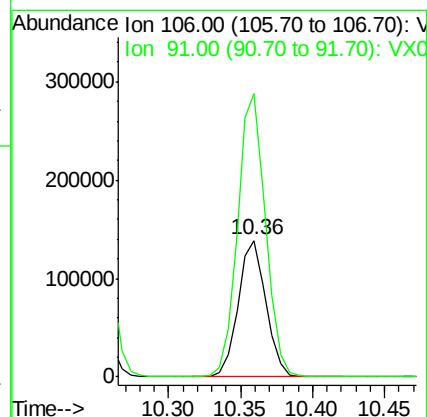
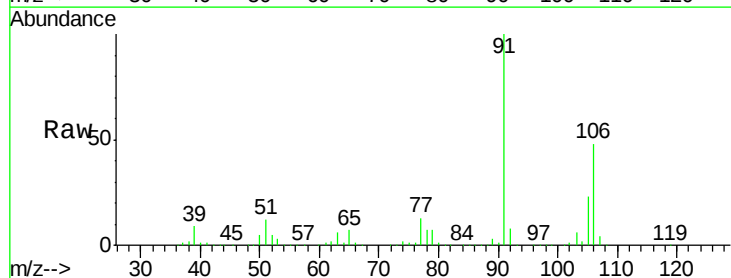
Acq: 15 Apr 2019 10:46

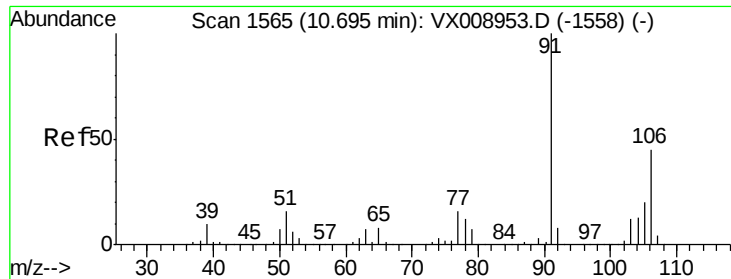
Tgt Ion: 106 Resp: 186049

Ion Ratio Lower Upper

106 100

91 209.0 165.4 248.2





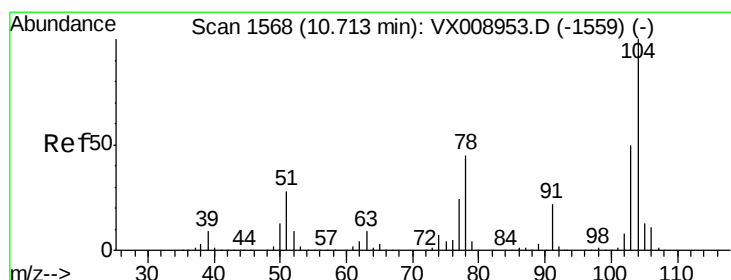
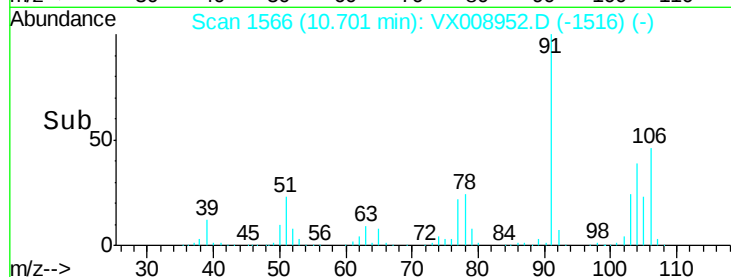
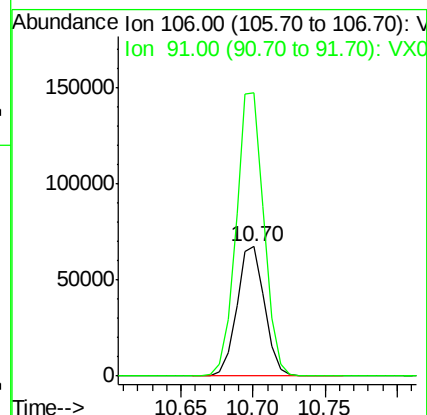
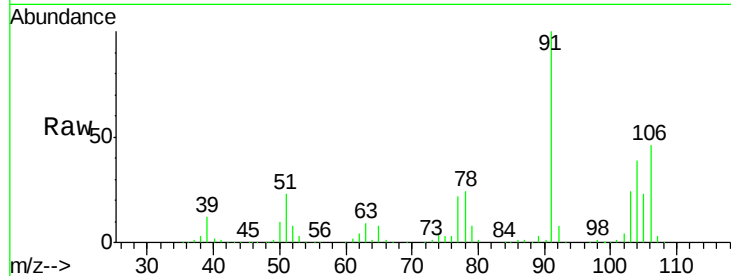
#69
o-Xylene
Concen: 18.644 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX008952.D
Acq: 15 Apr 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 90297
Ion Ratio Lower Upper
106 100
91 219.5 108.9 326.7

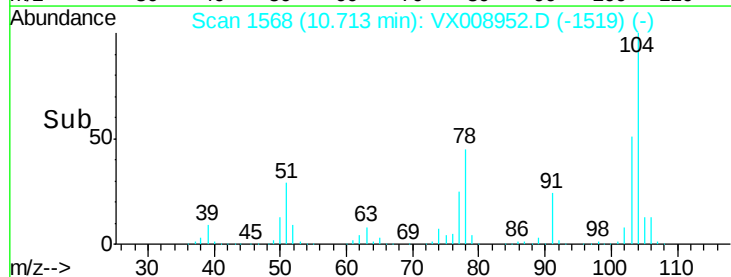
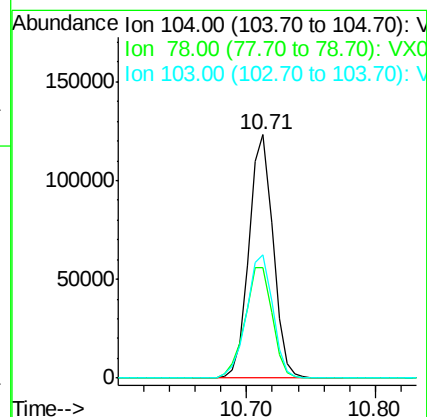
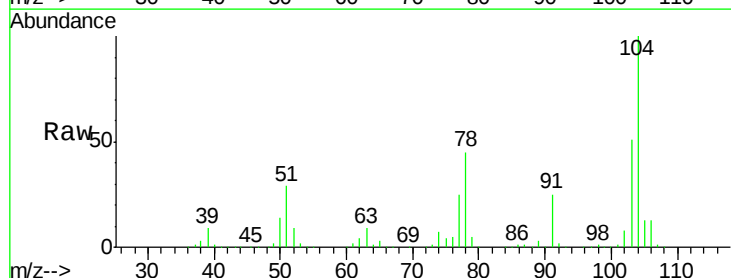
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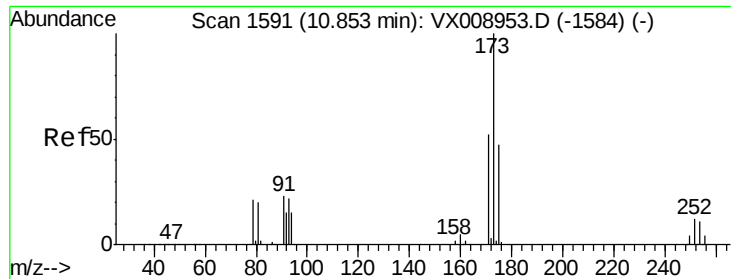
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#70
Styrene
Concen: 19.011 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008952.D
Acq: 15 Apr 2019 10:46

Tgt Ion:104 Resp: 158727
Ion Ratio Lower Upper
104 100
78 51.8 41.2 61.8
103 55.4 43.9 65.9





#71

Bromoform

Concen: 19.382 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX008952.D

Acq: 15 Apr 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 38933

Ion Ratio Lower Upper

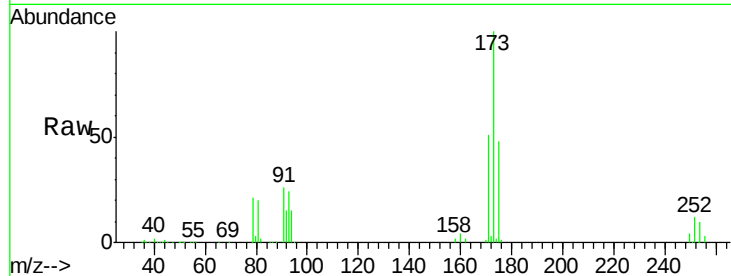
173 100

175 50.0 23.9 71.8

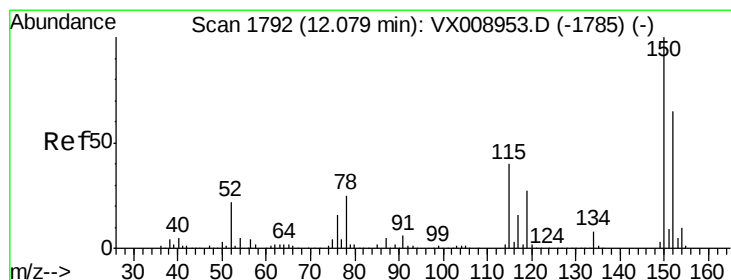
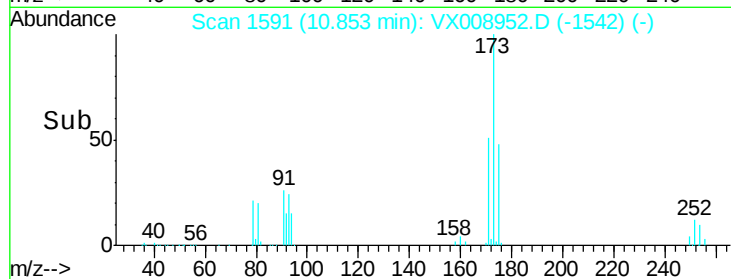
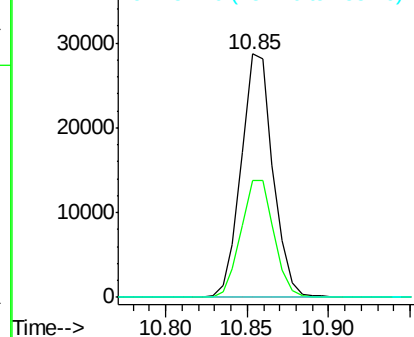
254 0.1 0.2 0.4#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008952.D

Acq: 15 Apr 2019 10:46

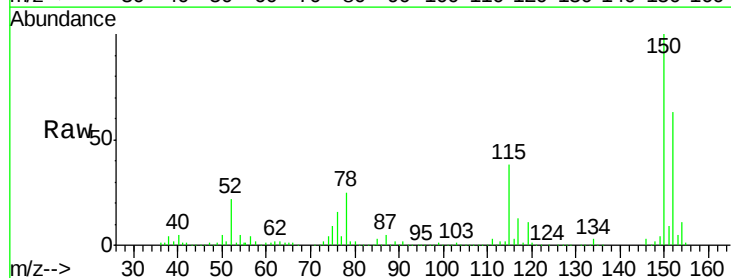
Tgt Ion:152 Resp: 160787

Ion Ratio Lower Upper

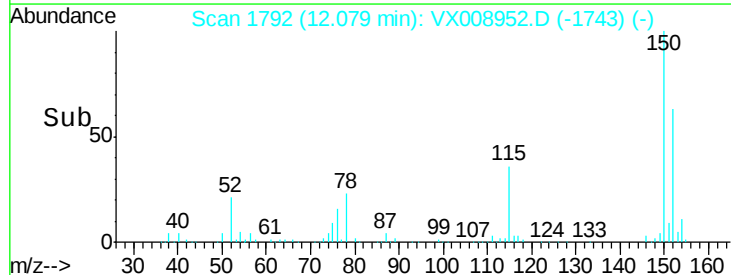
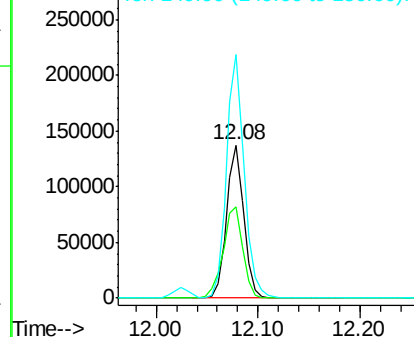
152 100

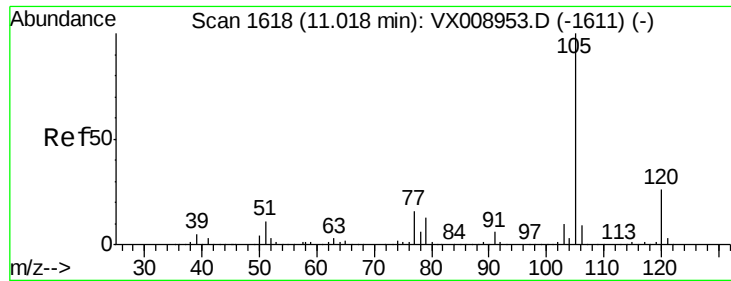
115 69.0 41.4 124.2

150 165.3 0.0 349.8



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





#73

Isopropylbenzene

Concen: 18.754 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008952.D

Acq: 15 Apr 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 244114

Ion Ratio Lower Upper

105 100

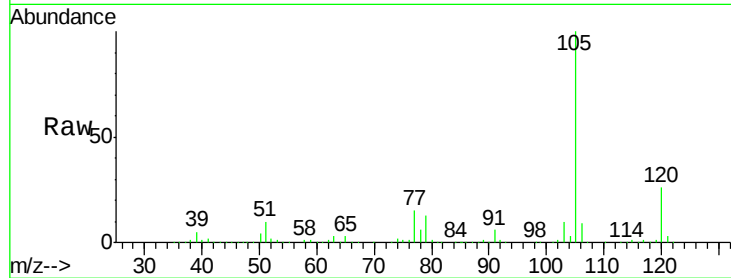
120 25.7 12.9 38.7

Manual Integrations

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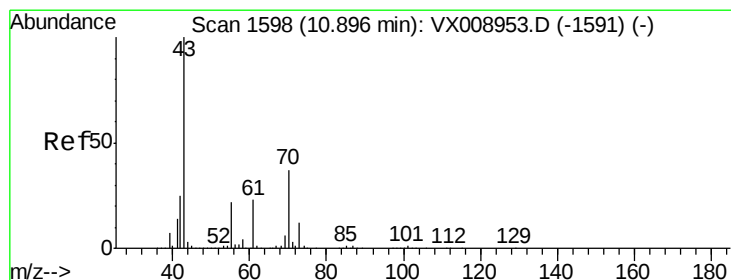
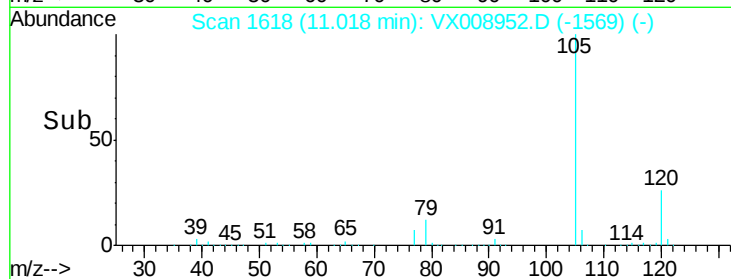
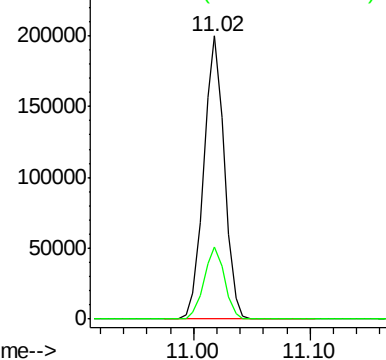
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.536 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008952.D

Acq: 15 Apr 2019 10:46

Tgt Ion: 43 Resp: 141861

Ion Ratio Lower Upper

43 100

70 37.7 29.9 44.9

55 22.5 17.8 26.8

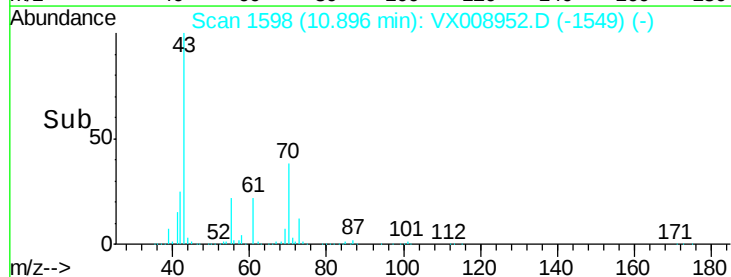
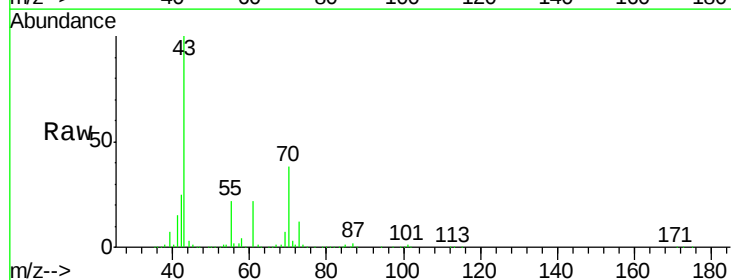
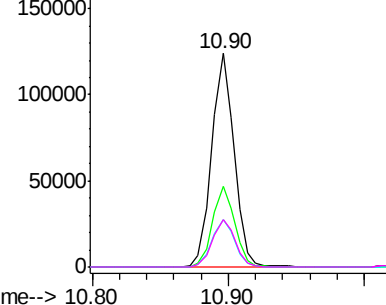
61 22.7 18.3 27.5

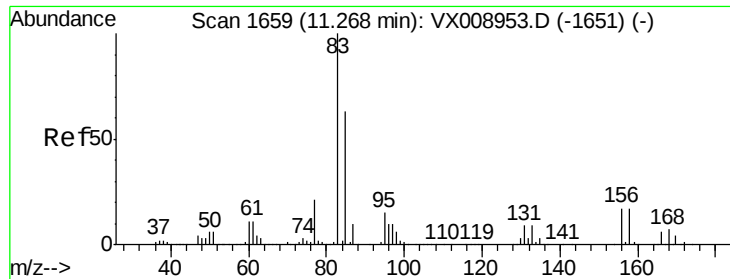
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.196 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008952.D

Acq: 15 Apr 2019 10:46

Instrument :

MSVOA_X

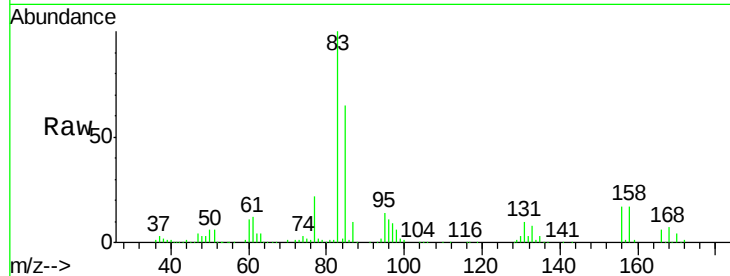
ClientSampleId :

VSTDIC020

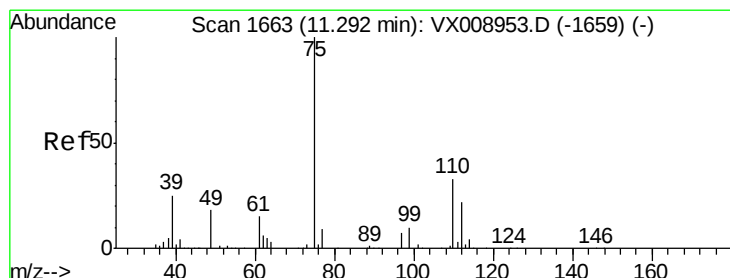
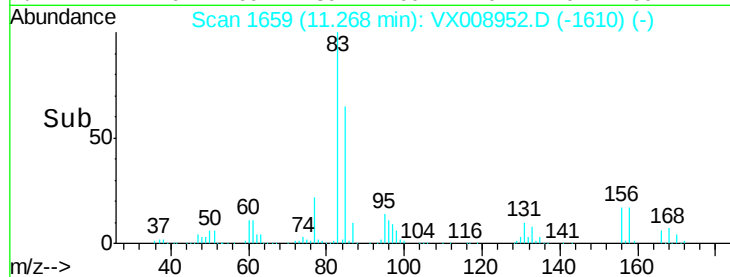
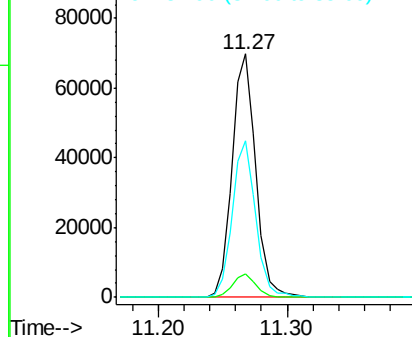
Tot Ion:	83	Resp:	89839
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.7	14.0
85	63.9	31.9	95.9

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): VX0
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 17.866 ug/l m

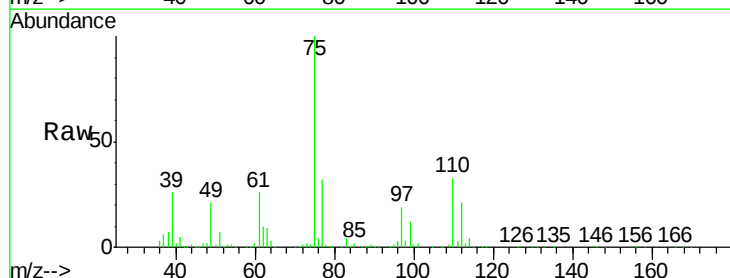
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

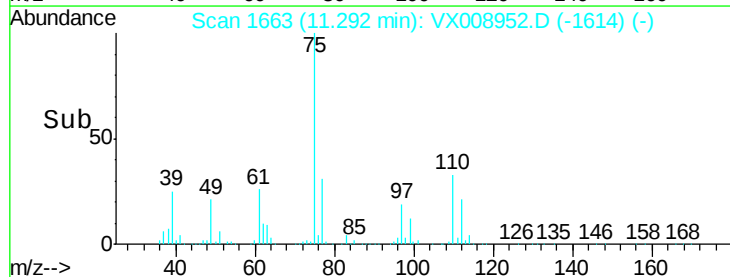
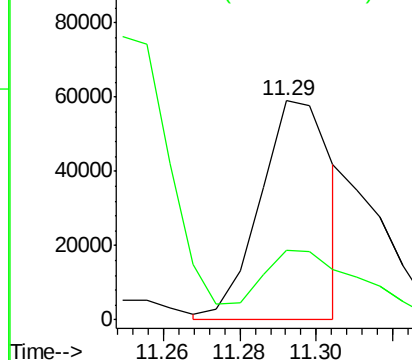
Lab File: VX008952.D

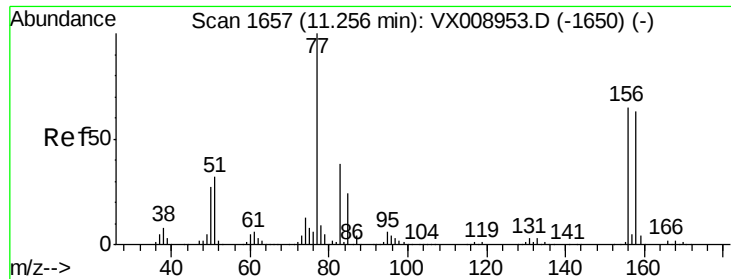
Acq: 15 Apr 2019 10:46

Tgt Ion:	75	Resp:	77048
Ion Ratio	Lower	Upper	
75	100		
77	44.9	22.7	68.0



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 18.974 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008952.D

Acq: 15 Apr 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 59710

Ion Ratio Lower Upper

156 100

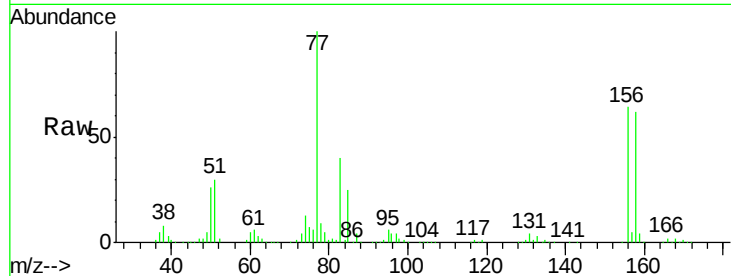
77 168.7 85.4 256.1

158 96.9 48.8 146.4

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MMDadoda

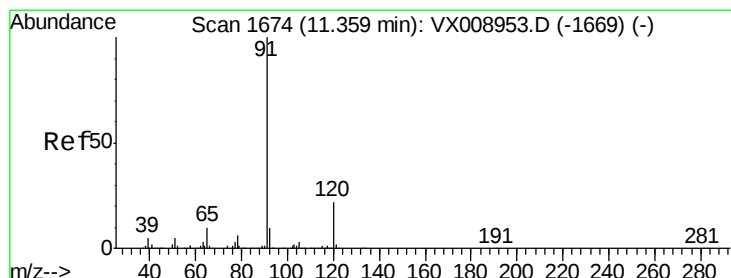
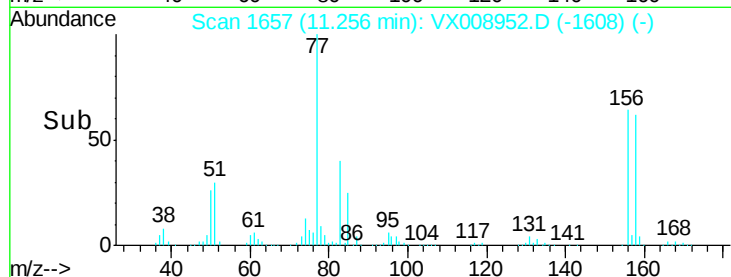
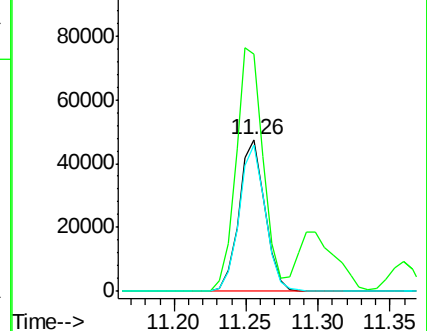
4/16/2019 10:52:50 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.602 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008952.D

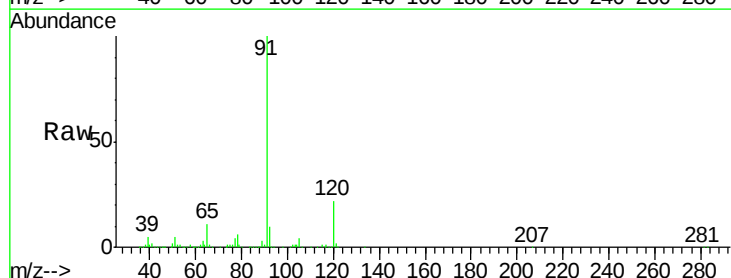
Acq: 15 Apr 2019 10:46

Tgt Ion: 91 Resp: 281801

Ion Ratio Lower Upper

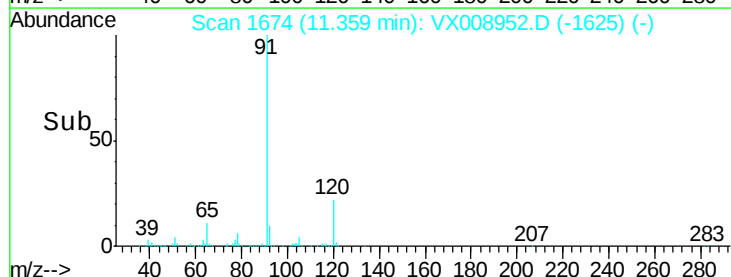
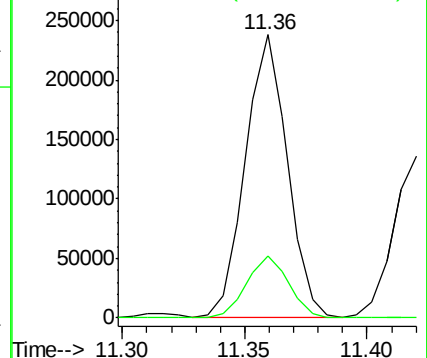
91 100

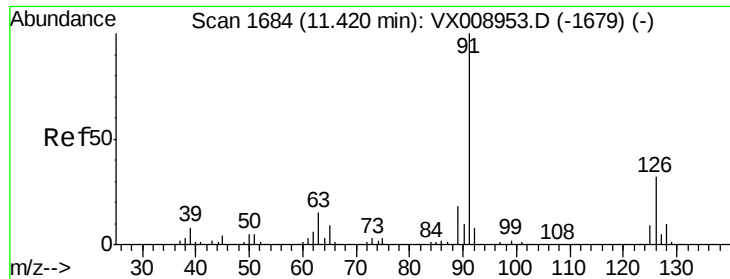
120 21.9 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





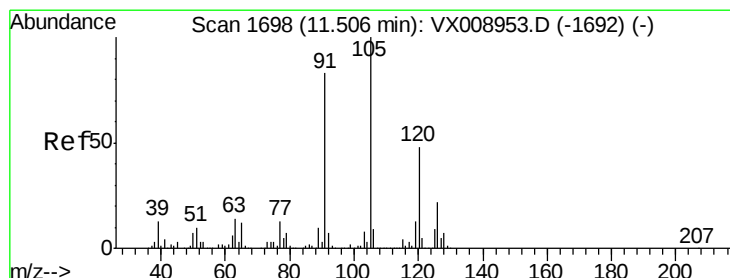
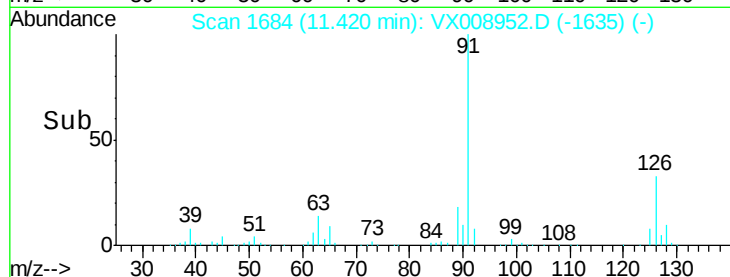
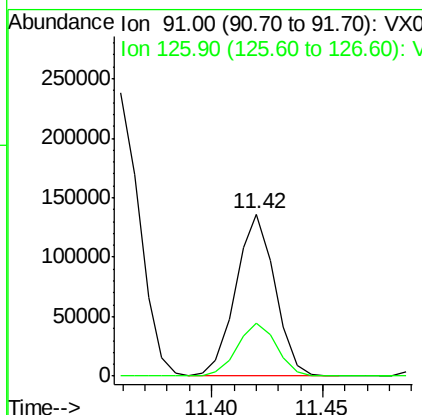
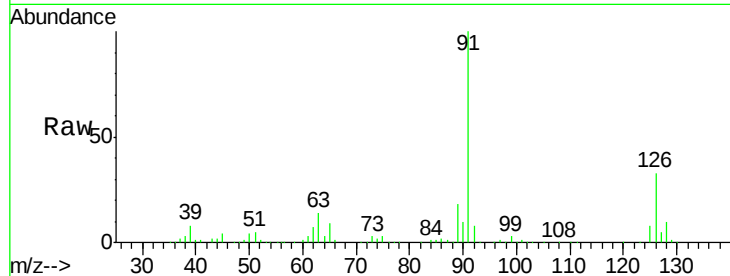
#79
 2-Chlorotoluene
 Concen: 18.201 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX008952.D
 Acq: 15 Apr 2019 10:46

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tot Ion: 91 Resp: 166771
 Ion Ratio Lower Upper
 91 100
 126 32.8 16.3 48.9

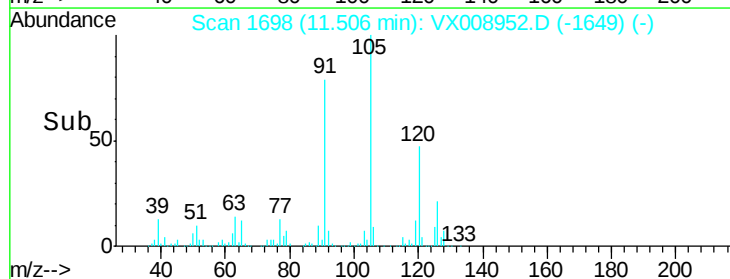
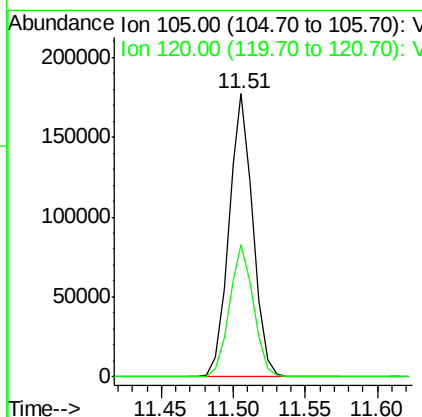
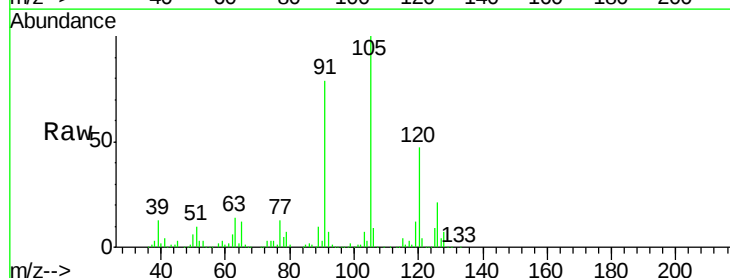
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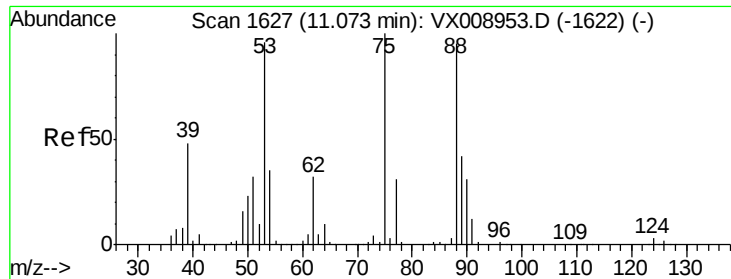
MMDadoda
 4/16/2019 10:52:50 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 18.855 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX008952.D
 Acq: 15 Apr 2019 10:46

Tgt Ion: 105 Resp: 205688
 Ion Ratio Lower Upper
 105 100
 120 47.3 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 19.241 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008952.D

Acq: 15 Apr 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

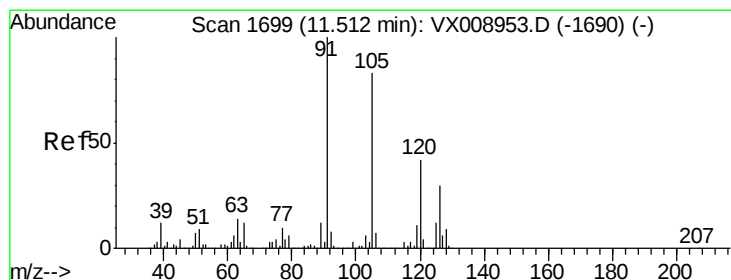
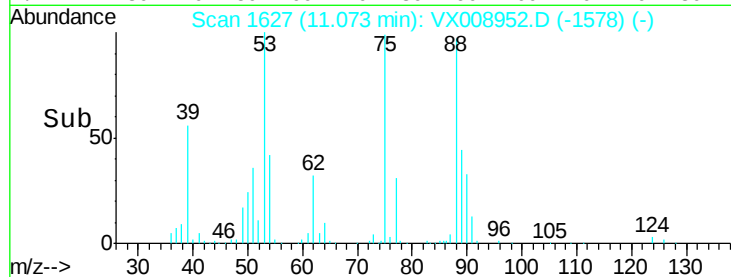
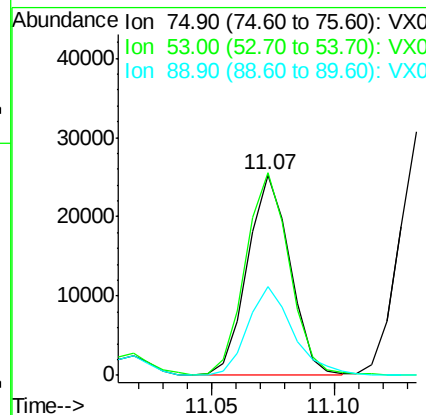
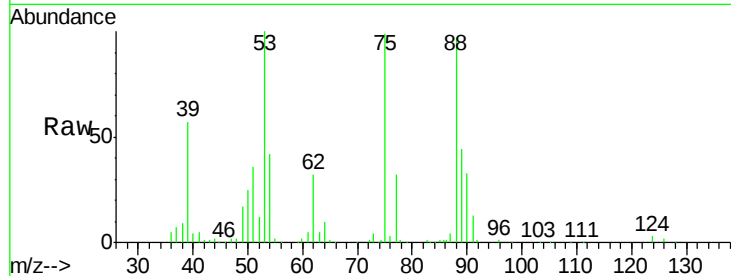
VSTDIC020

Tot Ion: 75 Resp: 30352

Ion	Ratio	Lower	Upper
75	100		
53	104.7	78.2	117.4
89	48.1	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 17.937 ug/l

RT: 11.51 min Scan# 1699

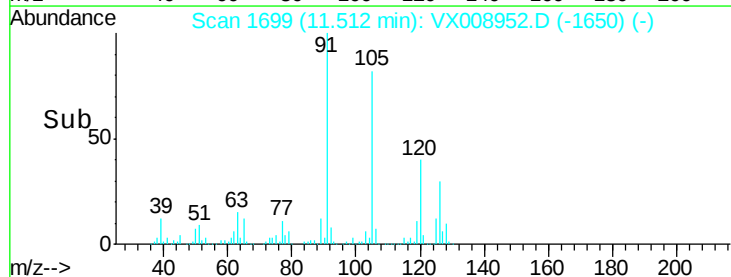
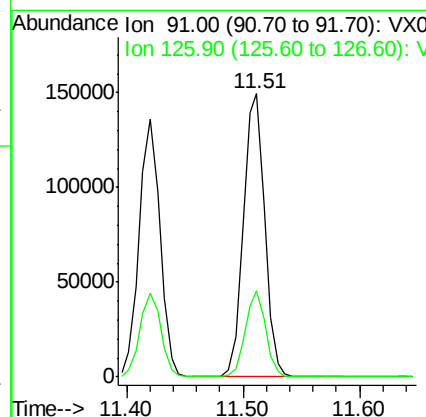
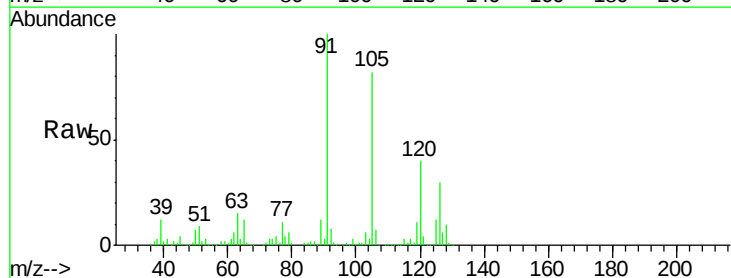
Delta R.T. -0.00 min

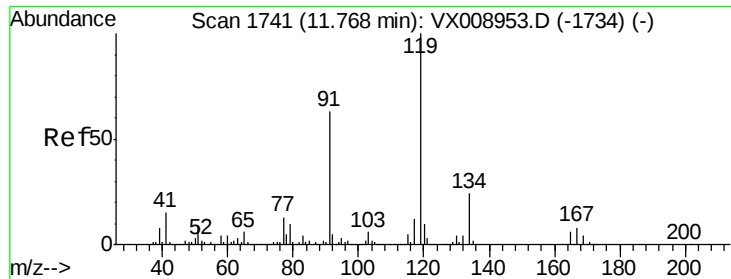
Lab File: VX008952.D

Acq: 15 Apr 2019 10:46

Tgt Ion: 91 Resp: 190344

Ion	Ratio	Lower	Upper
91	100		
126	29.1	14.3	42.9





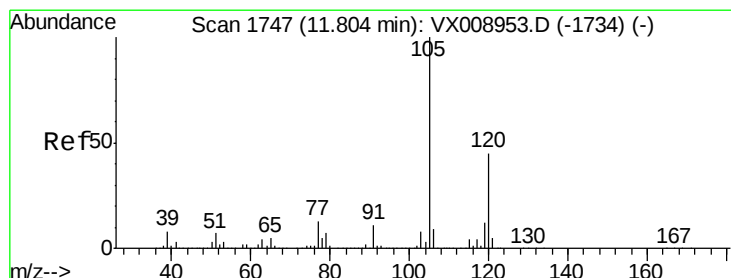
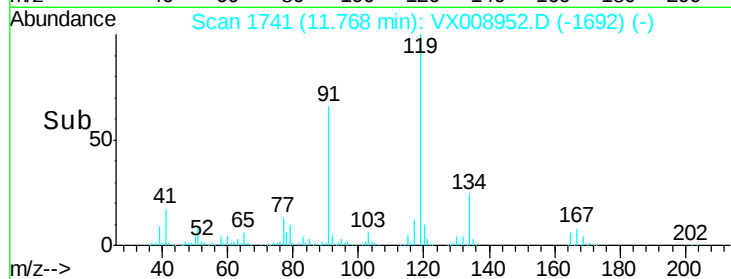
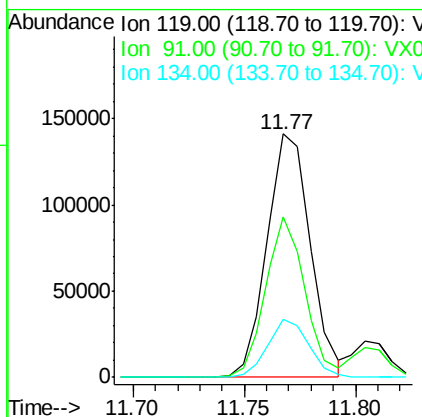
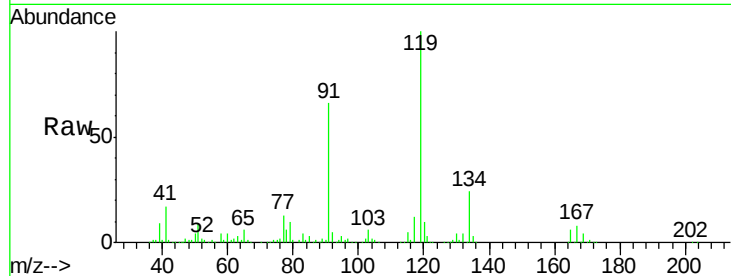
#83
tert-Butylbenzene
Concen: 18.185 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX008952.D
Acq: 15 Apr 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	191077		
91	59.8	29.7	89.1	
134	22.5	11.2	33.5	

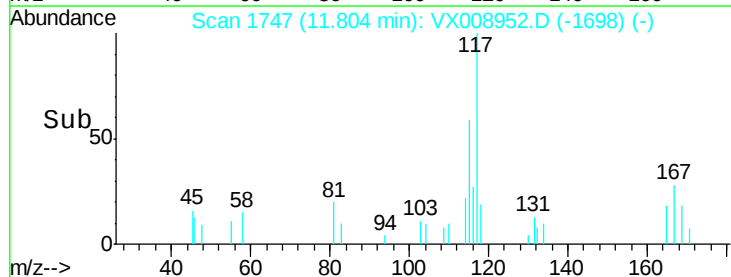
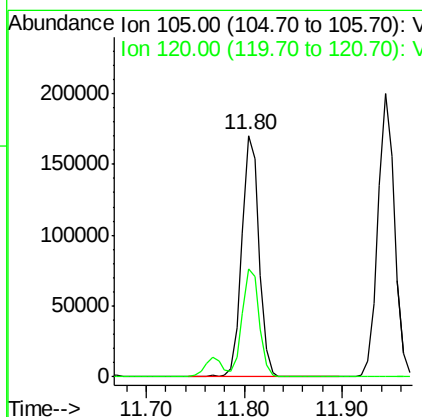
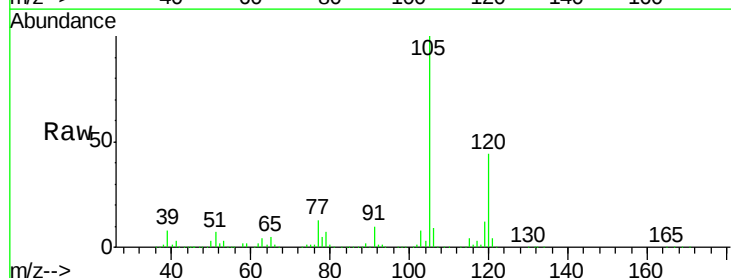
Manual Integrations
APPROVED

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#84
1,2,4-Trimethylbenzene
Concen: 18.755 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX008952.D
Acq: 15 Apr 2019 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	207267		
120	44.2	21.9	65.8	





#85

sec-Butylbenzene

Concen: 18.835 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008952.D

Acq: 15 Apr 2019 10:46

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion:105 Resp: 235112

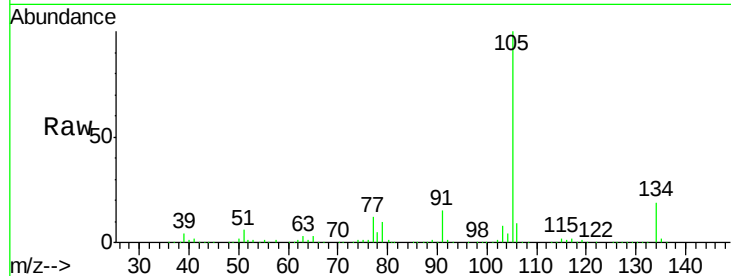
Ion Ratio Lower Upper

105 100

134 19.1 9.6 28.6

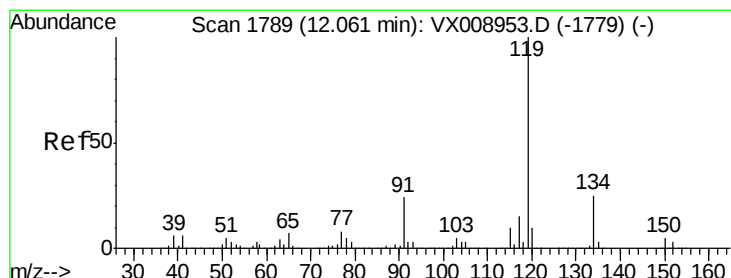
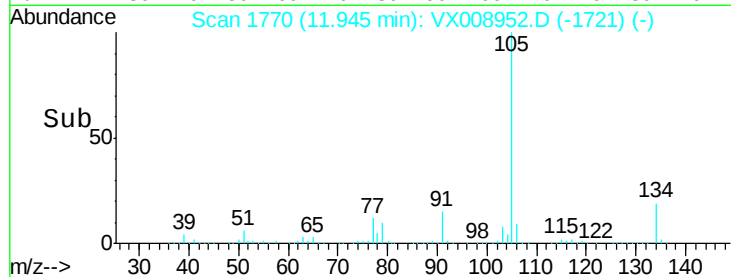
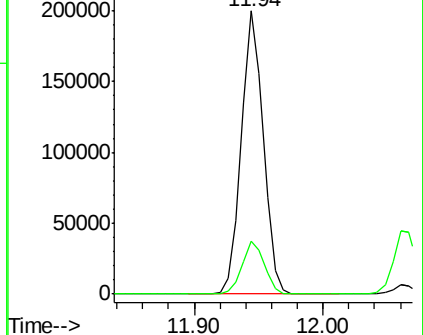
Manual Integrations
APPROVED

MMDadoda
4/16/2019 10:52:50 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.313 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008952.D

Acq: 15 Apr 2019 10:46

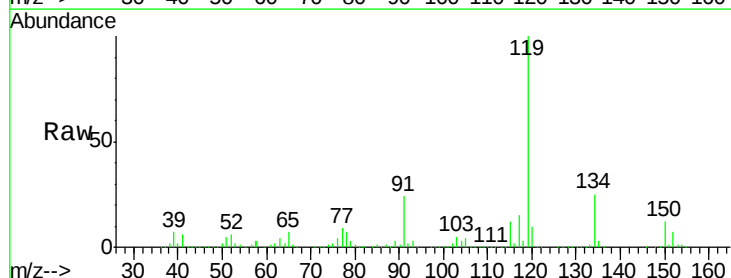
Tgt Ion:119 Resp: 217043

Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.6

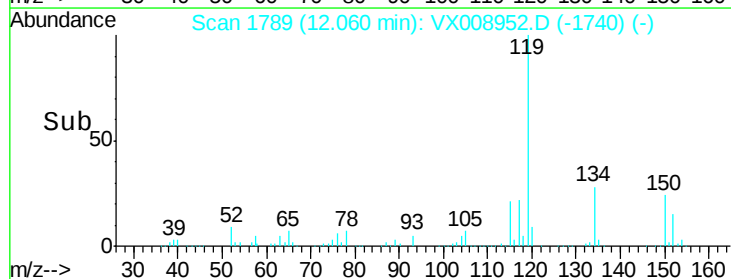
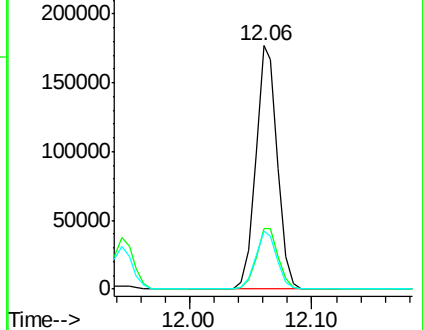
91 23.9 11.9 35.5

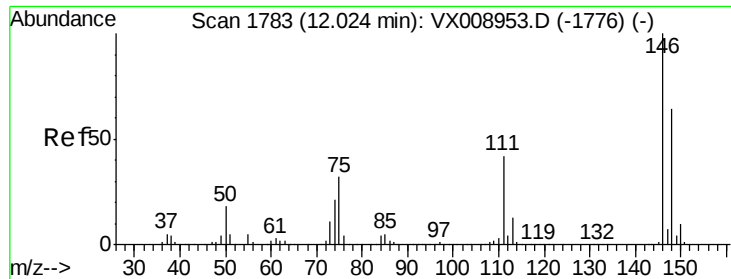


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





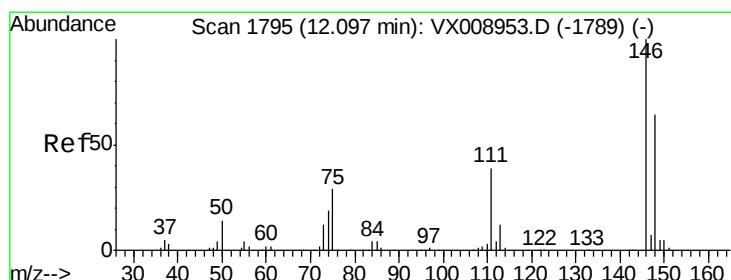
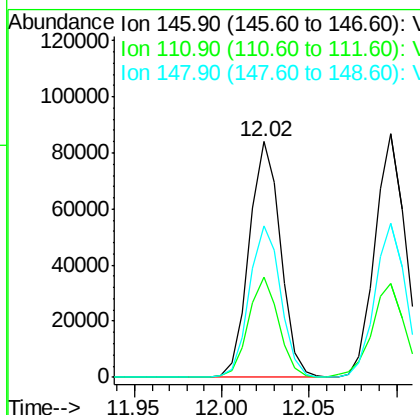
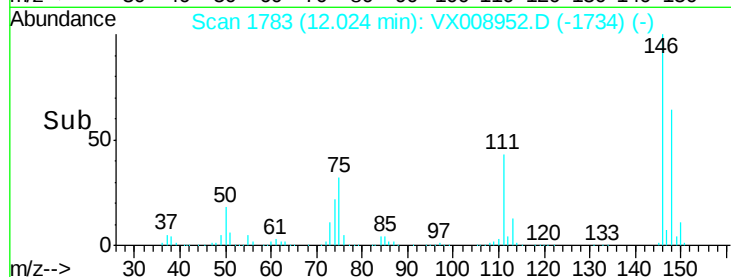
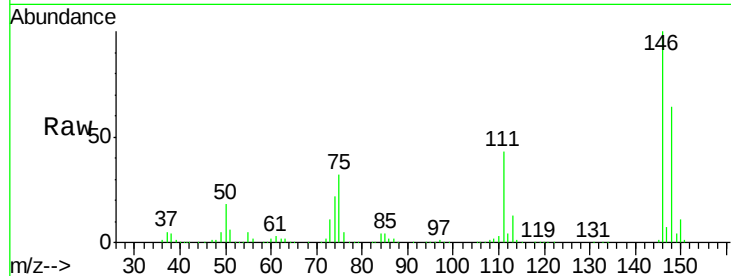
#87
 1,3-Dichlorobenzene
 Concen: 18.681 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008952.D
 Acq: 15 Apr 2019 10:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.5	61.6
148	64.4	32.2	96.6

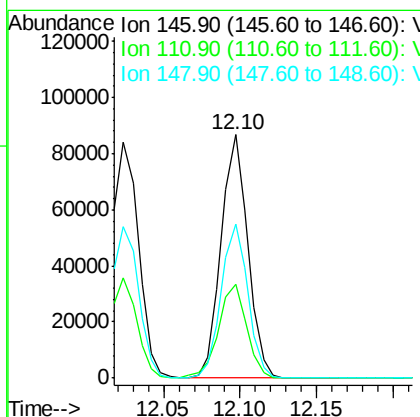
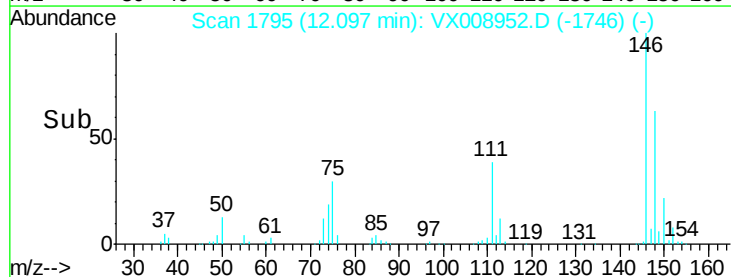
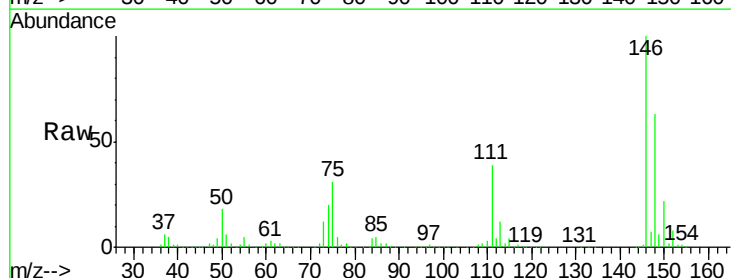
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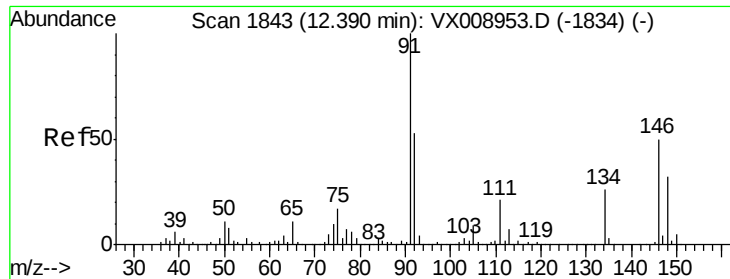
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 18.438 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008952.D
 Acq: 15 Apr 2019 10:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.0	59.9
148	63.3	32.2	96.6





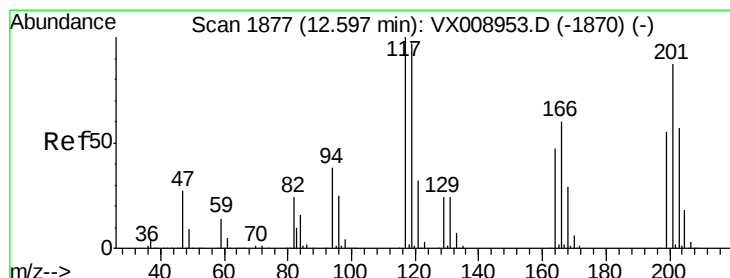
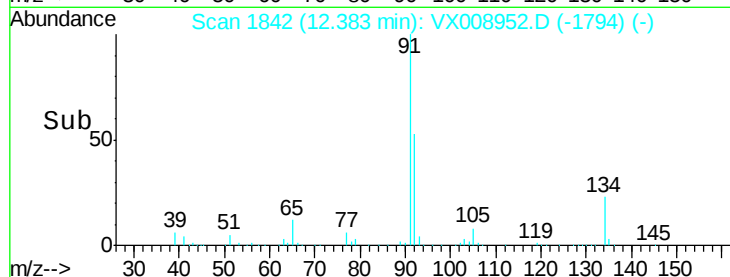
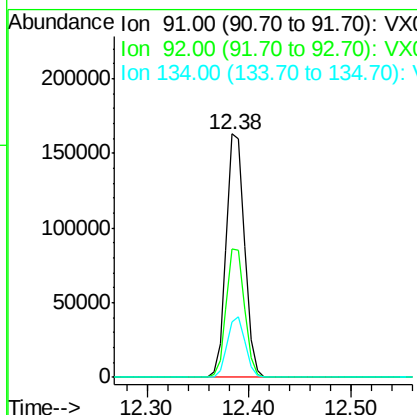
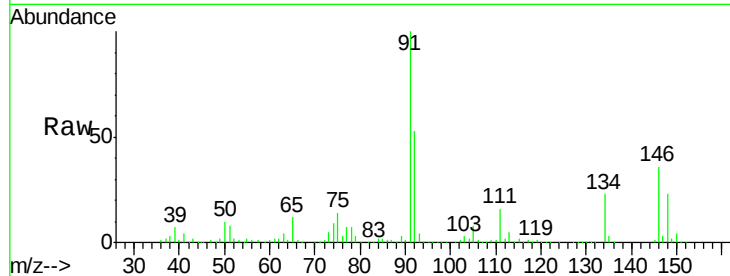
#89
n-Butylbenzene
Concen: 19.250 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX008952.D
Acq: 15 Apr 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.6	79.8
134	24.1	12.4	37.2

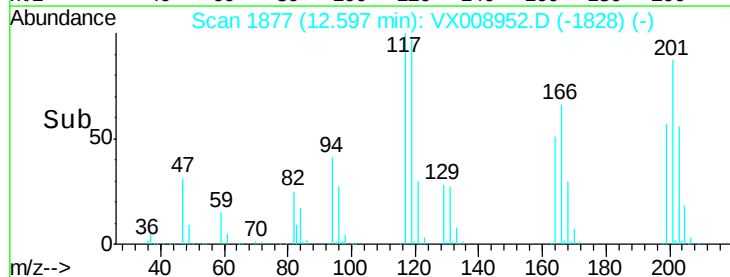
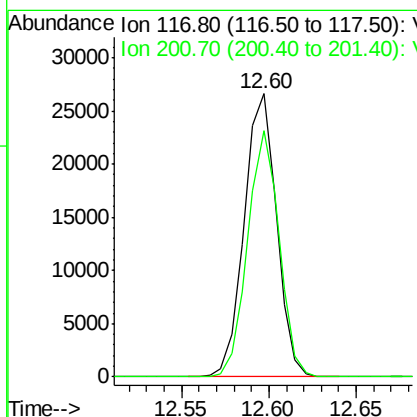
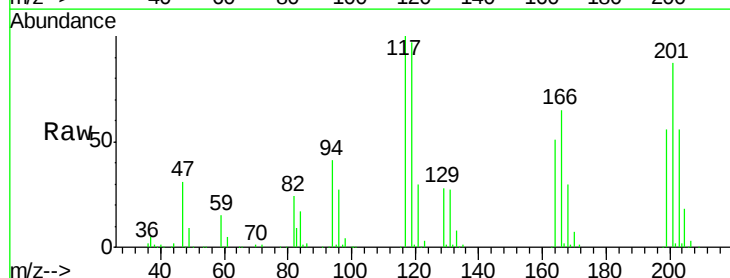
Manual Integrations
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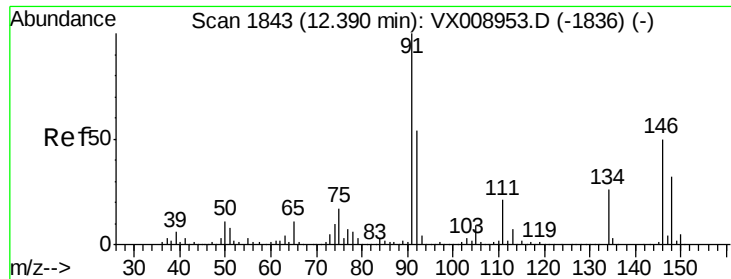
MMDadoda
4/16/2019 10:52:50 AM



#90
Hexachloroethane
Concen: 18.451 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008952.D
Acq: 15 Apr 2019 10:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.6	43.0	129.0





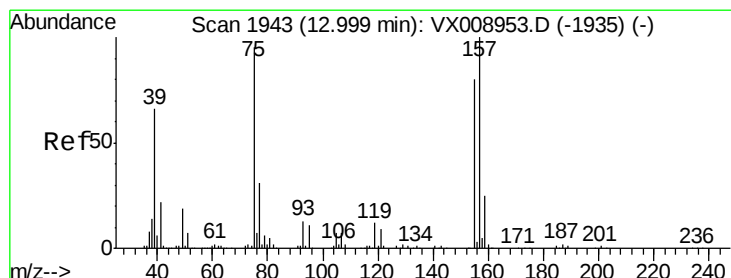
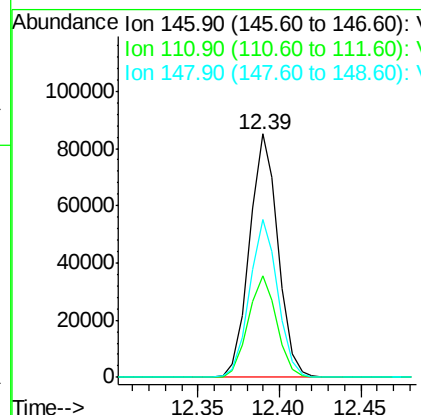
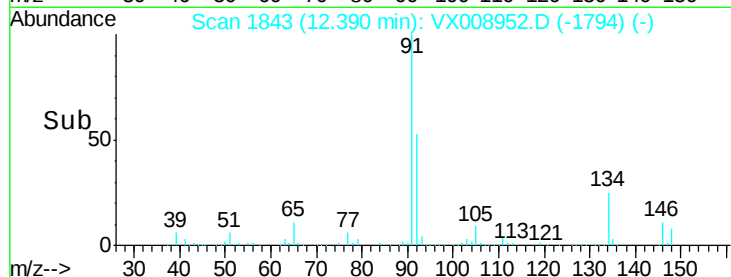
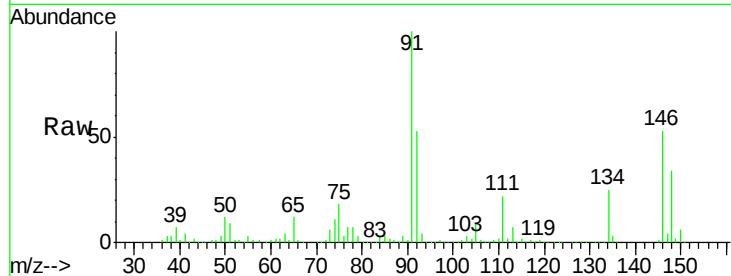
#91
 1,2-Dichlorobenzene
 Concen: 18.537 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008952.D
 Acq: 15 Apr 2019 10:46

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.6	61.9
148	63.9	32.0	96.2

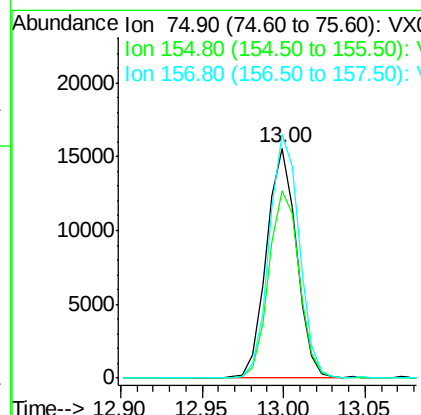
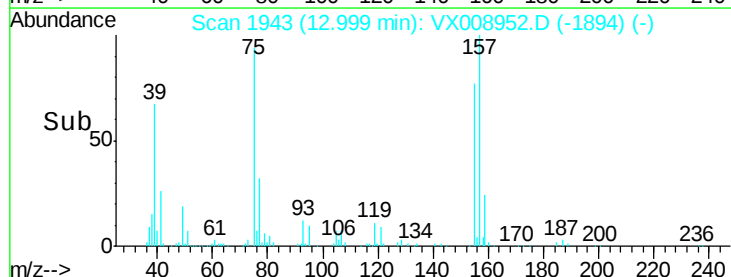
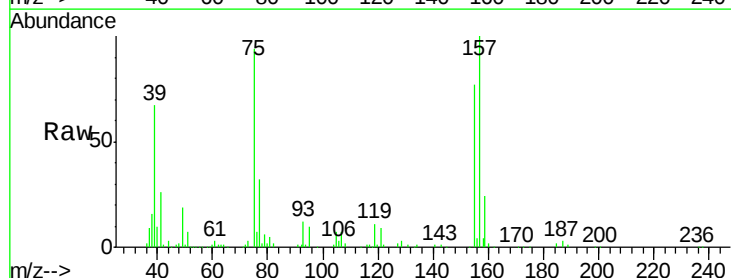
Manual Integrations
 APPROVED

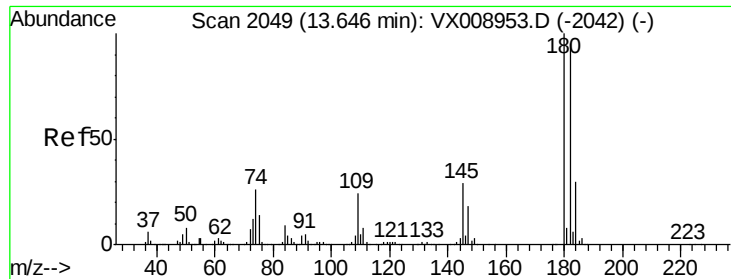
MMDadoda
 4/16/2019 10:52:50 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.335 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008952.D
 Acq: 15 Apr 2019 10:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.1	41.2	123.6
157	105.5	52.5	157.6





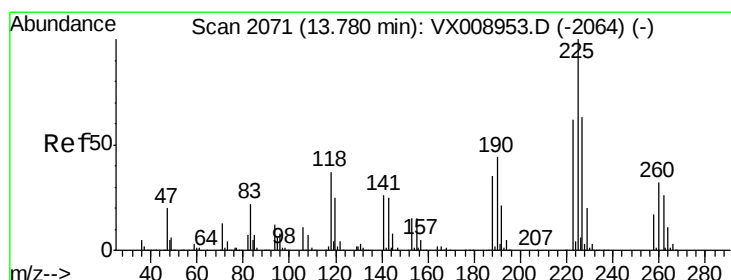
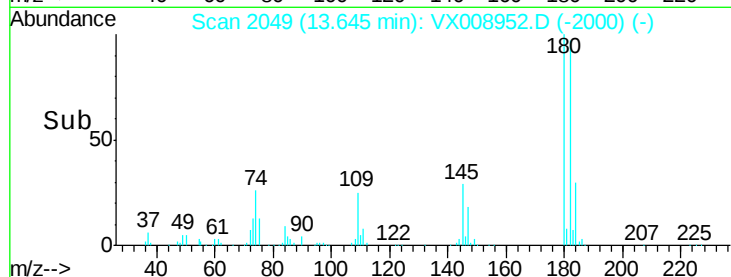
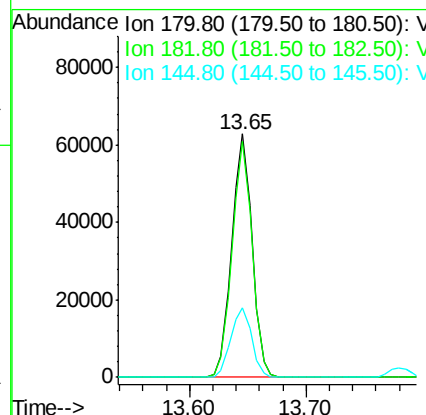
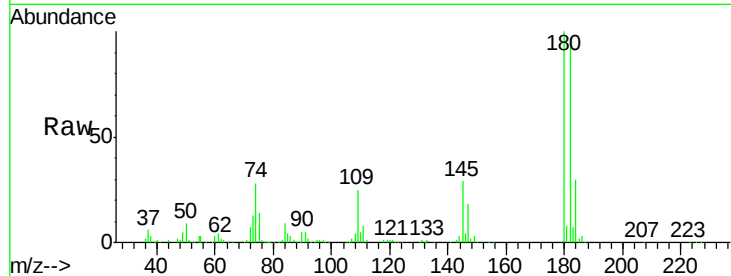
#93
 1,2,4-Trichlorobenzene
 Concen: 19.448 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008952.D
 Acq: 15 Apr 2019 10:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.6	142.9
145	29.3	14.8	44.4

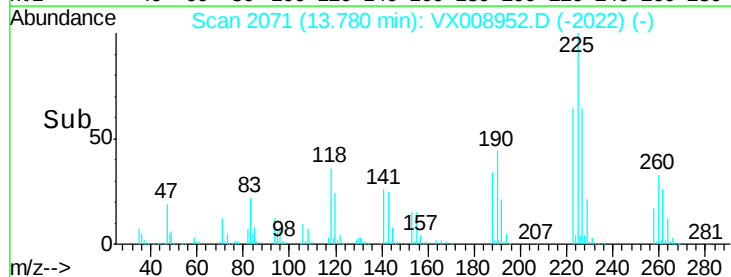
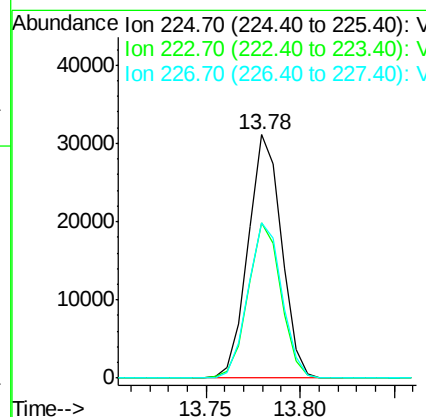
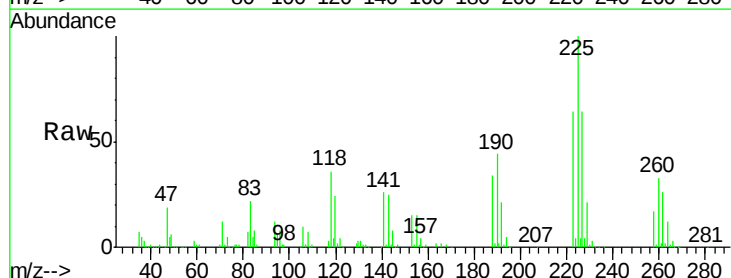
Manual Integrations
 APPROVED

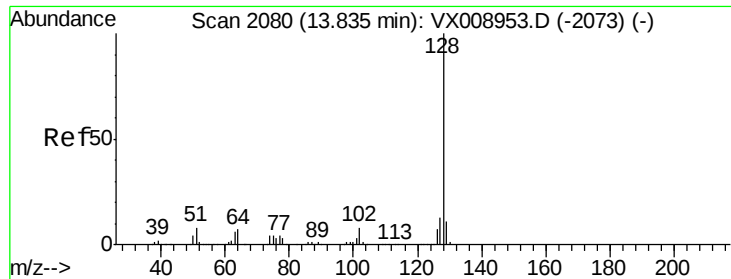
MMDadoda
 4/16/2019 10:52:50 AM



#94
 Hexachlorobutadiene
 Concen: 20.324 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008952.D
 Acq: 15 Apr 2019 10:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.1	93.2
227	64.5	32.0	96.2





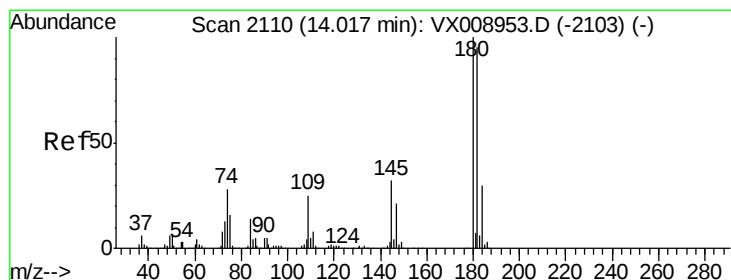
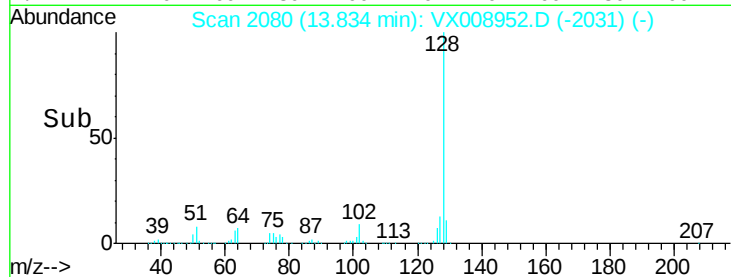
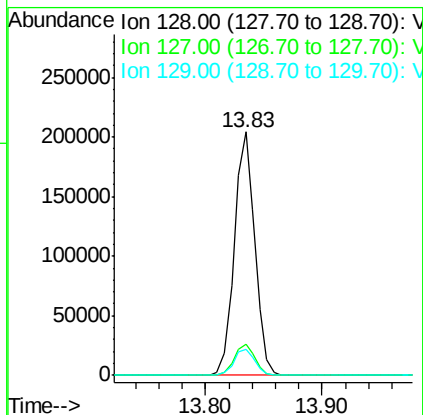
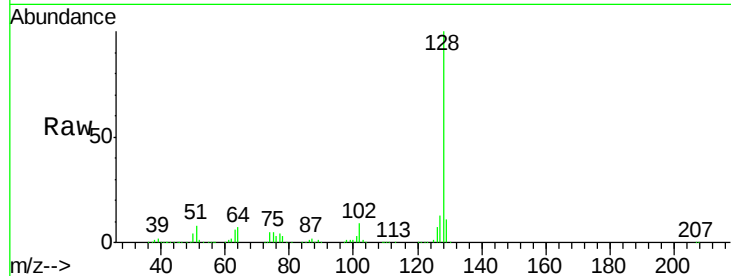
#95
Naphthalene
Concen: 19.218 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008952.D
Acq: 15 Apr 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	249463		
127	13.0		10.6	16.0
129	11.1		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/16/2019 10:52:50 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.268 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX008952.D
Acq: 15 Apr 2019 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	75307		
182	94.8		47.8	143.4
145	31.4		15.8	47.3

