

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052219\
 Data File : VX009821.D
 Acq On : 22 May 2019 22:57
 Operator : JC/SP
 Sample : VX0522MBSD02
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0522MBSD02

Manual Integrations
 APPROVED

MMDadoda
 5/23/2019 10:38:40 AM

Quant Time: May 23 08:26:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	170516	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	277033	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	248441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	118092	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	106433	45.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.44%	
35) Dibromofluoromethane	5.50	113	75875	43.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.14%	
50) Toluene-d8	8.71	98	307760	43.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.54%	
62) 4-Bromofluorobenzene	11.13	95	108783	42.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	25729	16.374	ug/l	95
3) Chloromethane	1.32	50	38531	17.961	ug/l	98
4) Vinyl Chloride	1.41	62	37249	17.806	ug/l	99
5) Bromomethane	1.64	94	24325	19.373	ug/l	100
6) Chloroethane	1.72	64	24014	17.880	ug/l	99
7) Trichlorofluoromethane	1.93	101	45926	18.061	ug/l	99
8) Diethyl Ether	2.19	74	21534	17.878	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	27194	17.030	ug/l	99
10) Methyl Iodide	2.51	142	29291	18.931	ug/l	99
11) Tert butyl alcohol	3.04	59	57085	105.945	ug/l	98
12) 1,1-Dichloroethene	2.37	96	28517	17.824	ug/l	98
13) Acrolein	2.29	56	38990	79.903	ug/l	99
14) Allyl chloride	2.73	41	68569	17.586	ug/l	98
15) Acrylonitrile	3.14	53	118609	90.029	ug/l	100
16) Acetone	2.44	43	105556	84.451	ug/l	98
17) Carbon Disulfide	2.57	76	82304	18.323	ug/l	99
18) Methyl Acetate	2.78	43	52831	17.773	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	109672	17.652	ug/l	99
20) Methylene Chloride	2.85	84	34705	17.149	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	30882	17.798	ug/l	99
22) Diisopropyl ether	3.85	45	137550	18.344	ug/l	92
23) Vinyl Acetate	3.81	43	606994	94.534	ug/l	98
24) 1,1-Dichloroethane	3.70	63	65931	17.824	ug/l	99
25) 2-Butanone	4.67	43	179140	92.230	ug/l	97
26) 2,2-Dichloropropane	4.59	77	39796	14.454	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	36696	17.718	ug/l	99
28) Bromochloromethane	5.02	49	33689	21.037	ug/l	96
29) Tetrahydrofuran	5.13	42	120187	96.159	ug/l	97
30) Chloroform	5.21	83	59489	17.782	ug/l	99
31) Cyclohexane	5.58	56	62932	18.287	ug/l	91
32) 1,1,1-Trichloroethane	5.49	97	49309	17.705	ug/l	99
36) 1,1-Dichloropropene	5.80	75	45765	17.776	ug/l	99
37) Ethyl Acetate	4.84	43	66893	18.648	ug/l	99
38) Carbon Tetrachloride	5.79	117	41283	17.649	ug/l	94

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 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	54463	17.226	ug/l	95
40) Benzene	6.14	78	141552	17.766	ug/l	100
41) Methacrylonitrile	5.04	41	37614	17.616	ug/l	98
42) 1,2-Dichloroethane	6.19	62	52367	18.322	ug/l	98
43) Isopropyl Acetate	6.45	43	104694	18.247	ug/l	100
44) Trichloroethene	7.21	130	33223	17.248	ug/l	96
45) 1,2-Dichloropropane	7.51	63	40427	17.919	ug/l	98
46) Dibromomethane	7.66	93	23096	17.629	ug/l	99
47) Bromodichloromethane	7.90	83	45435	17.385	ug/l	96
48) Methyl methacrylate	7.77	41	53085	18.649	ug/l	98
49) 1,4-Dioxane	7.74	88	20185	349.653	ug/l	94
51) 4-Methyl-2-Pentanone	8.64	43	349681	93.242	ug/l	98
52) Toluene	8.79	92	85239	17.599	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	50502	17.116	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	55766	17.076	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	34718	17.570	ug/l	94
56) Ethyl methacrylate	9.18	69	60926	17.273	ug/l	95
57) 1,3-Dichloropropane	9.37	76	61371	17.650	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	158135	84.512	ug/l	99
59) 2-Hexanone	9.49	43	267713	90.892	ug/l	98
60) Dibromochloromethane	9.58	129	32560	16.872	ug/l	98
61) 1,2-Dibromoethane	9.67	107	34817	17.456	ug/l	99
64) Tetrachloroethene	9.34	164	31262	18.344	ug/l	98
65) Chlorobenzene	10.14	112	86604	17.426	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	31121	17.272	ug/l	99
67) Ethyl Benzene	10.25	91	162250	17.739	ug/l	98
68) m/p-Xylenes	10.36	106	119105	35.634	ug/l	97
69) o-Xylene	10.69	106	57148	17.329	ug/l	97
70) Styrene	10.71	104	100149	17.472	ug/l	99
71) Bromoform	10.85	173	24508	16.738	ug/l #	99
73) Isopropylbenzene	11.02	105	155146	18.066	ug/l	100
74) N-amyl acetate	10.90	43	91950	18.366	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	56793	17.741	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	49253m	17.980	ug/l	
77) Bromobenzene	11.26	156	37534	17.610	ug/l	98
78) n-propylbenzene	11.36	91	177142	18.062	ug/l	99
79) 2-Chlorotoluene	11.42	91	107364	17.744	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	129522	17.913	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	16291	15.217	ug/l	91
82) 4-Chlorotoluene	11.51	91	121969	17.843	ug/l	99
83) tert-Butylbenzene	11.77	119	123969	17.624	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	131424	18.108	ug/l	99
85) sec-Butylbenzene	11.94	105	146376	17.552	ug/l	100
86) p-Isopropyltoluene	12.06	119	132345	17.653	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	66746	17.566	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	66145	17.267	ug/l	97
89) n-Butylbenzene	12.38	91	118657	17.511	ug/l	99
90) Hexachloroethane	12.59	117	21911	17.155	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	67420	17.420	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	13353	18.594	ug/l	95

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VX0522MBSD02

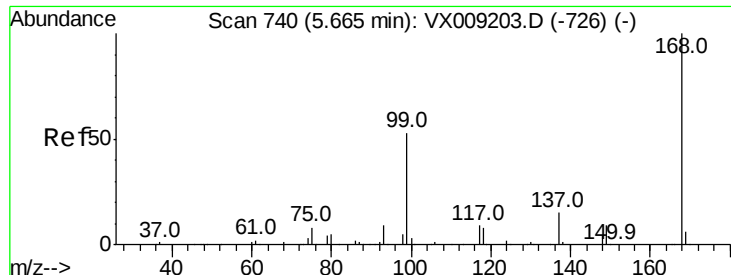
Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	46556	17.591	ug/l	99
94) Hexachlorobutadiene	13.78	225	24403	18.056	ug/l	98
95) Naphthalene	13.83	128	154547	17.949	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	47937	17.869	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009821.D

Acq: 22 May 2019 22:57

Instrument :

MSVOA_X

ClientSampleId :

VX0522MBS02

Tot Ion:168 Resp: 170516

Ion Ratio Lower Upper

168 100

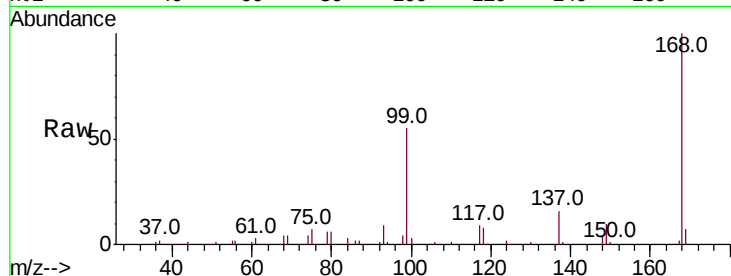
99 54.6 42.3 63.5

Manual Integrations

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5/23/2019 10:38:40 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

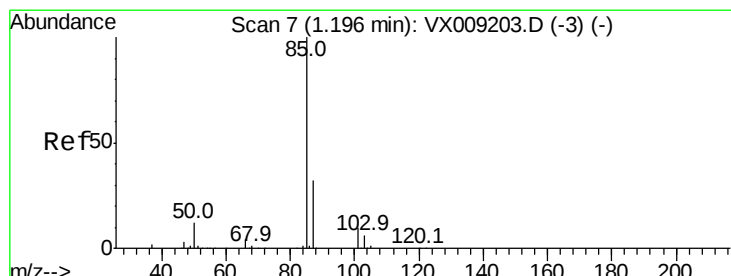
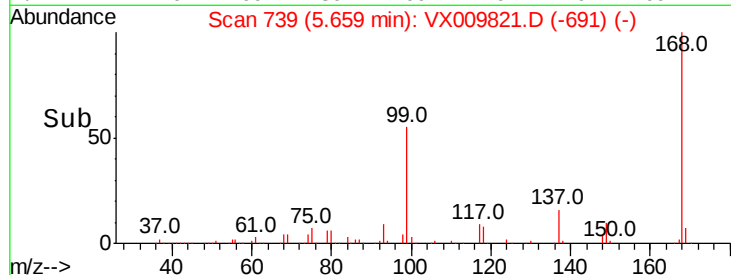
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 16.374 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009821.D

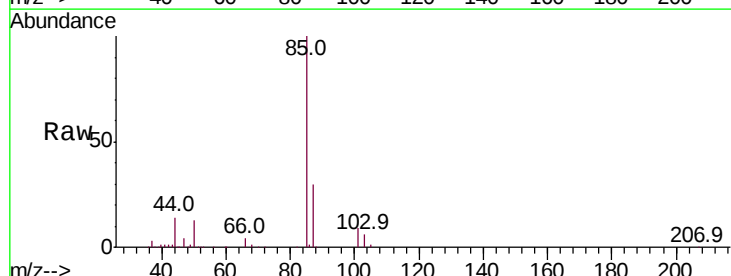
Acq: 22 May 2019 22:57

Tgt Ion: 85 Resp: 25729

Ion Ratio Lower Upper

85 100

87 29.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

25000

20000

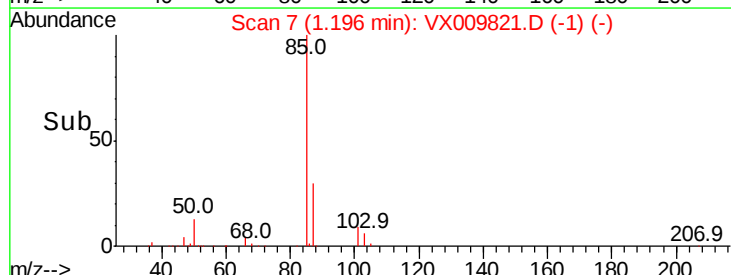
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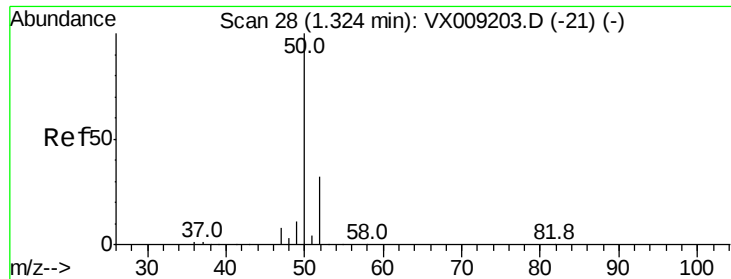
10000

5000

0

Time-->





#3

Chloromethane

Concen: 17.961 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009821.D

Acq: 22 May 2019 22:57

Instrument :

MSVOA_X

ClientSampleId :

VX0522MBSD02

Tot Ion: 50 Resp: 38531

Ion Ratio Lower Upper

50 100

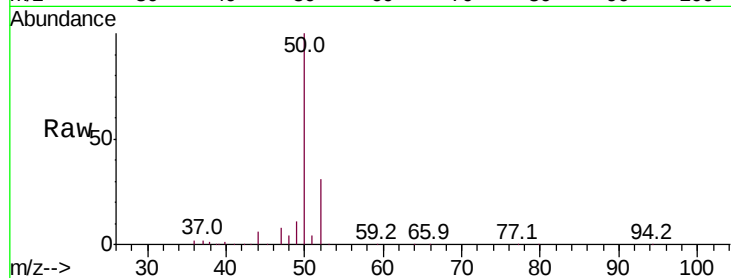
52 31.5 25.9 38.9

Manual Integrations

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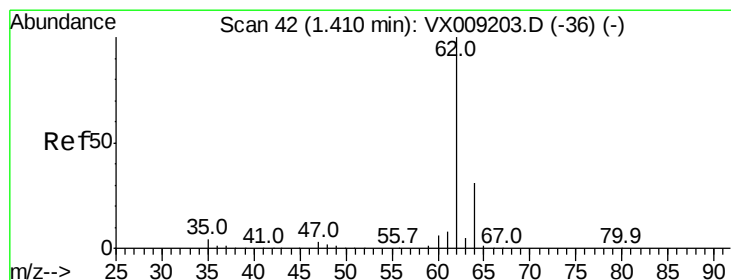
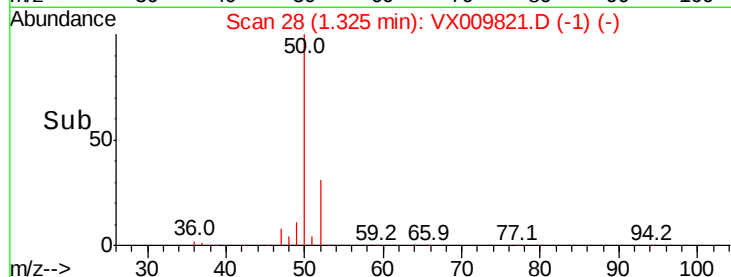
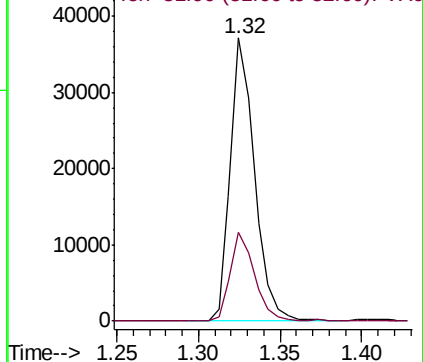
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 17.806 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009821.D

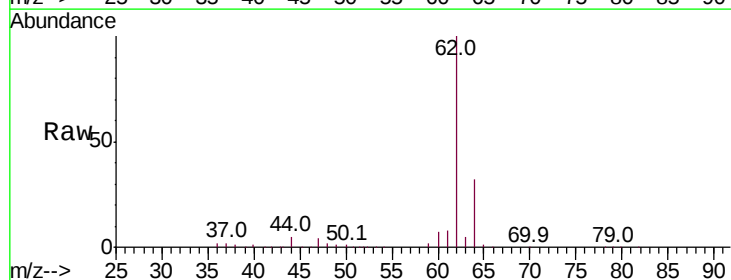
Acq: 22 May 2019 22:57

Tgt Ion: 62 Resp: 37249

Ion Ratio Lower Upper

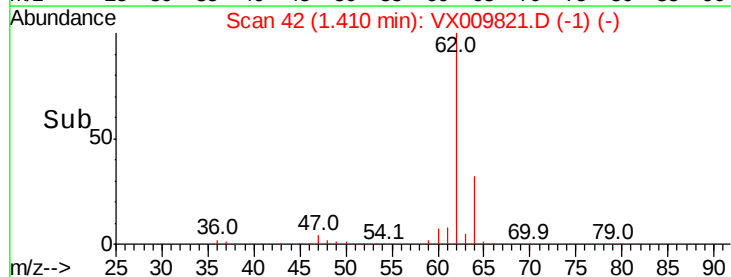
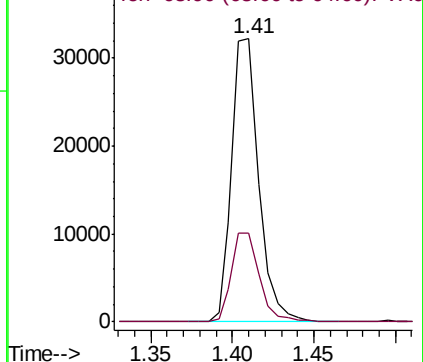
62 100

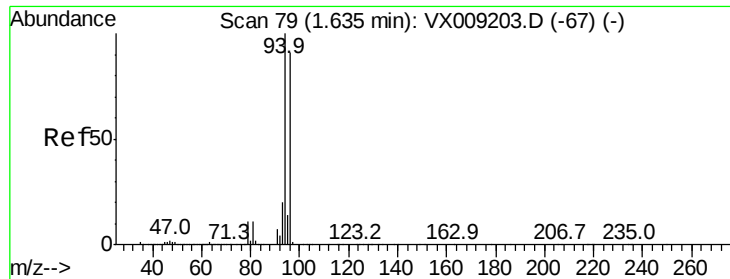
64 31.2 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 19.373 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009821.D

Acq: 22 May 2019 22:57

Instrument :

MSVOA_X

ClientSampleId :

VX0522MBSD02

Tot Ion: 94 Resp: 24325

Ion Ratio Lower Upper

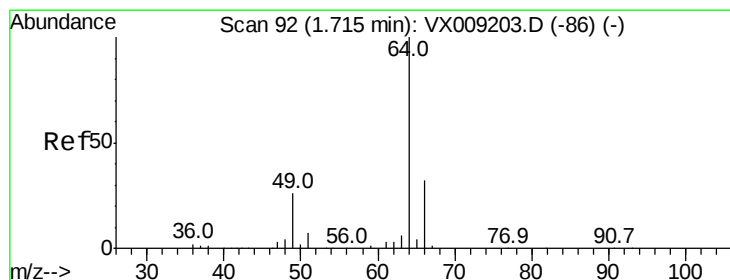
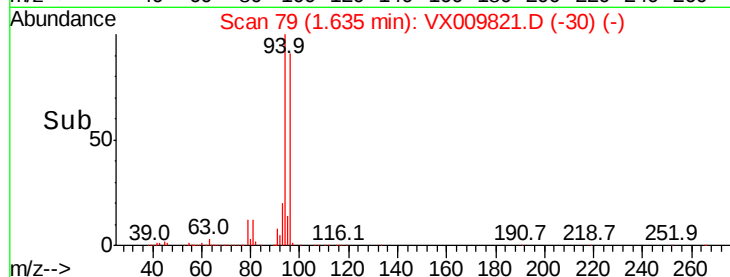
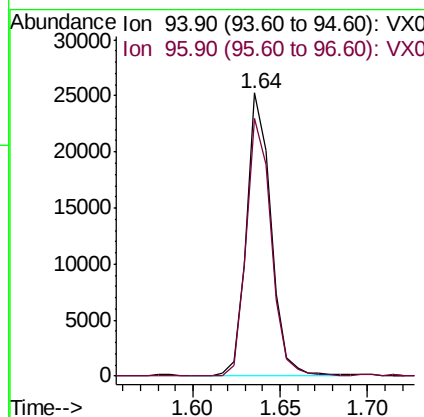
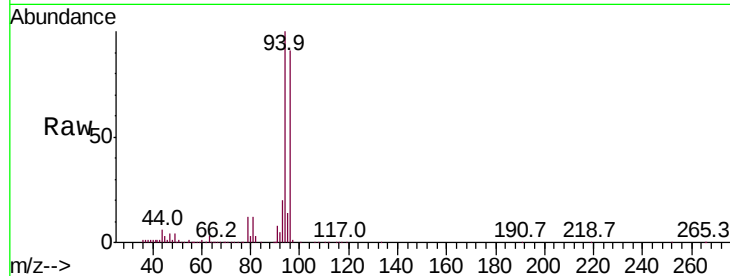
94 100

96 91.3 73.0 109.6

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#6

Chloroethane

Concen: 17.880 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009821.D

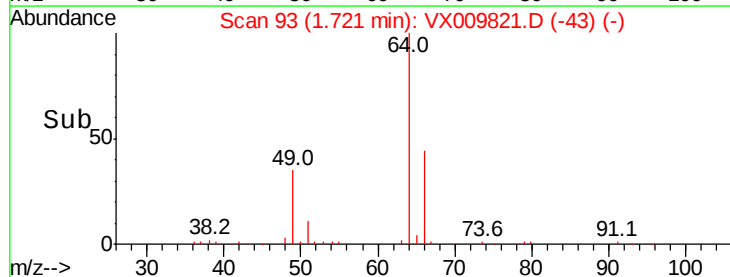
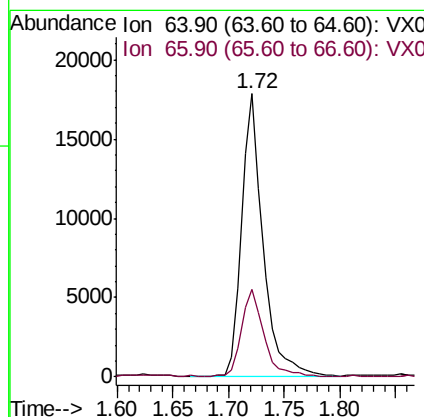
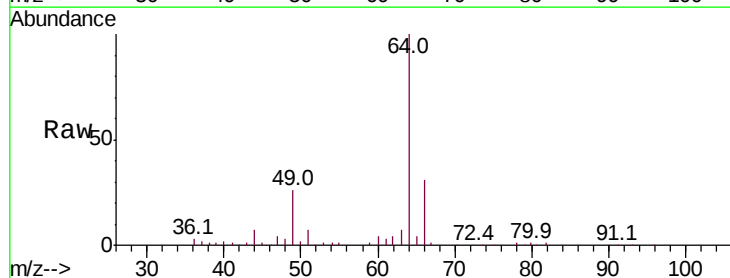
Acq: 22 May 2019 22:57

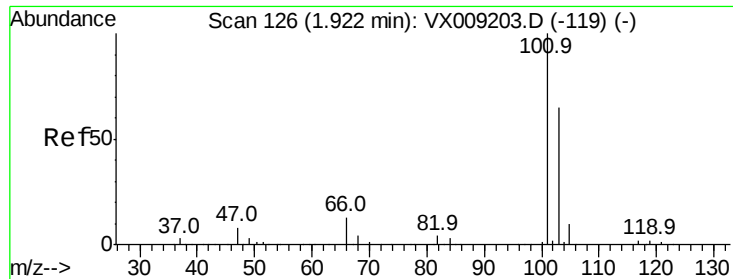
Tgt Ion: 64 Resp: 24014

Ion Ratio Lower Upper

64 100

66 30.9 25.3 37.9





#7

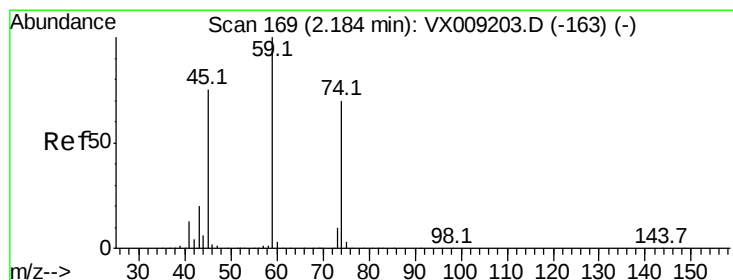
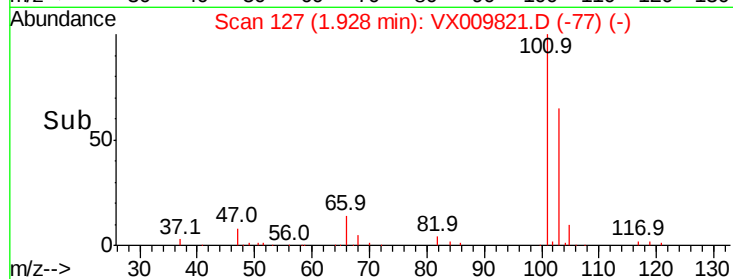
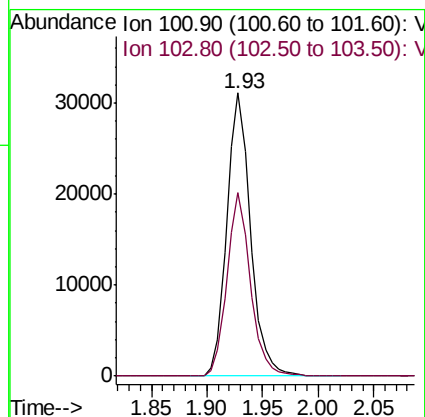
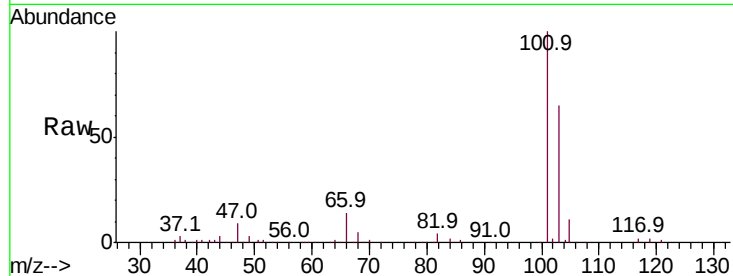
Trichlorofluoromethane
Concen: 18.061 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX009821.D
Acq: 22 May 2019 22:57

Instrument :
MSVOA_X
ClientSampleId :
VX0522MBSD02

Tot Ion:101 Resp: 45926
Ion Ratio Lower Upper
101 100
103 64.8 52.4 78.6

Manual Integrations
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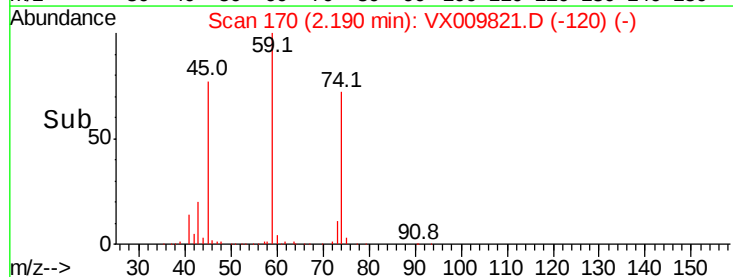
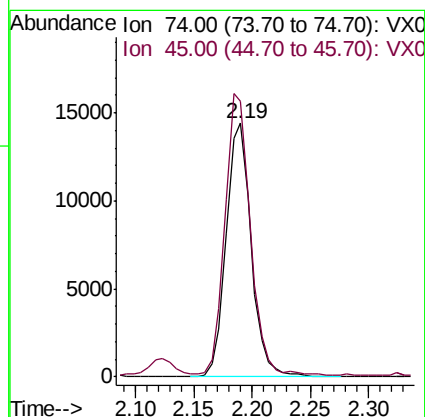
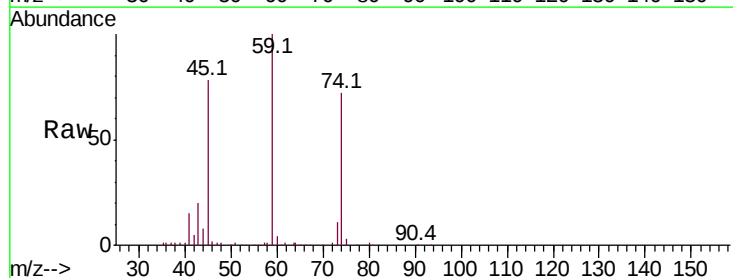
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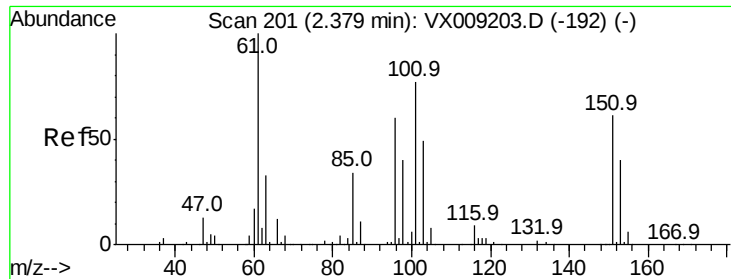


#8

Diethyl Ether
Concen: 17.878 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009821.D
Acq: 22 May 2019 22:57

Tgt Ion: 74 Resp: 21534
Ion Ratio Lower Upper
74 100
45 112.5 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.030 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009821.D

Acq: 22 May 2019 22:57

Instrument :

MSVOA_X

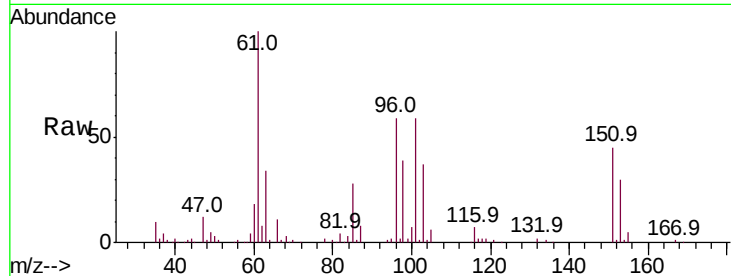
ClientSampleId :

VX0522MBSD02

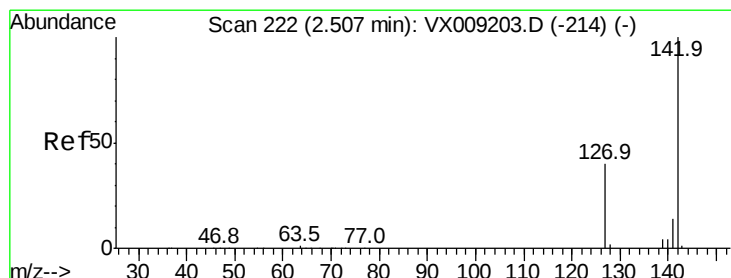
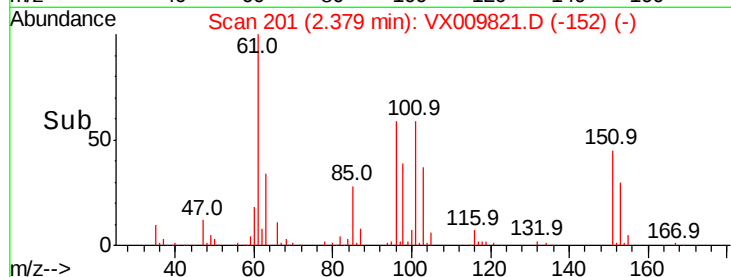
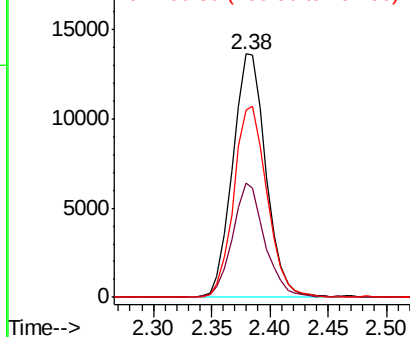
Tot Ion:	101	Resp:	27194
Ion Ratio	Lower	Upper	
101	100		
85	45.6	35.7	53.5
151	78.9	62.2	93.2

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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: 18.931 ug/l

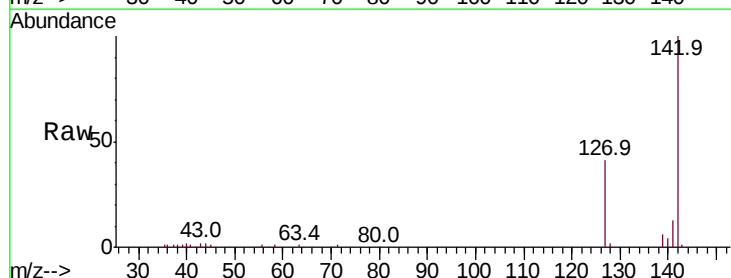
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

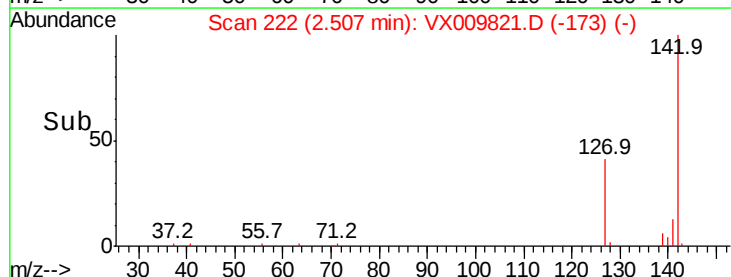
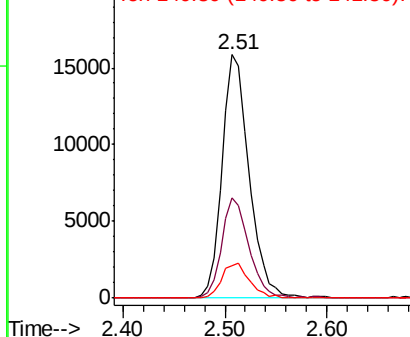
Lab File: VX009821.D

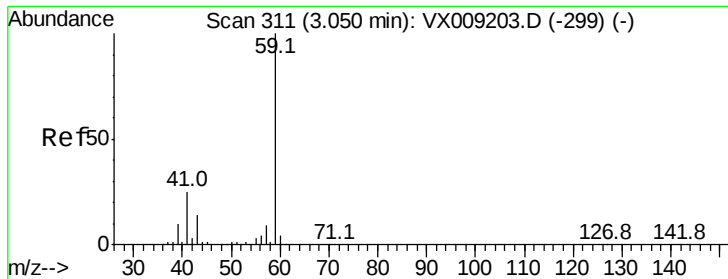
Acq: 22 May 2019 22:57

Tgt Ion:	142	Resp:	29291
Ion Ratio	Lower	Upper	
142	100		
127	41.2	32.7	49.1
141	14.7	11.5	17.3



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

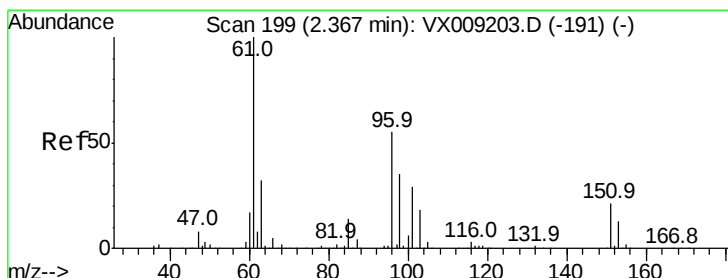
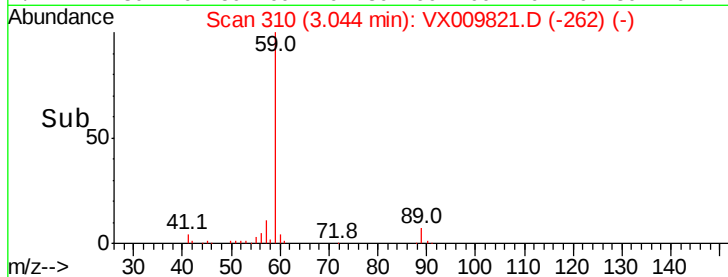
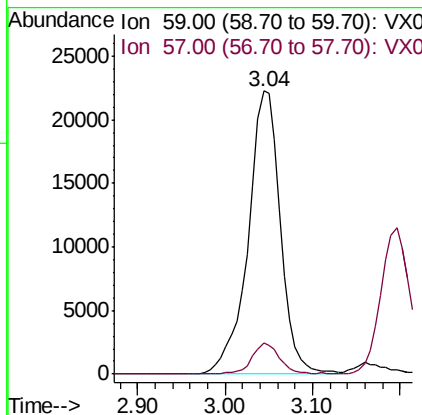
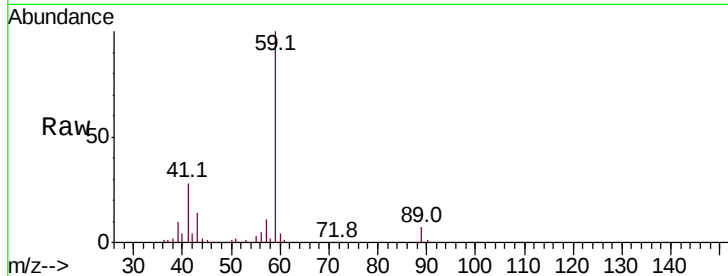
Tert butyl alcohol
 Concen: 105.945 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. -0.01 min
 Lab File: VX009821.D
 Acq: 22 May 2019 22:57

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0522MBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	8.2	12.2

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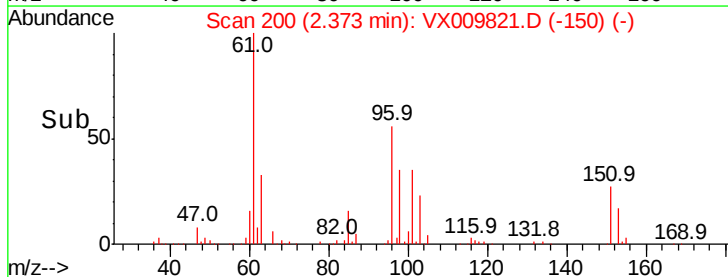
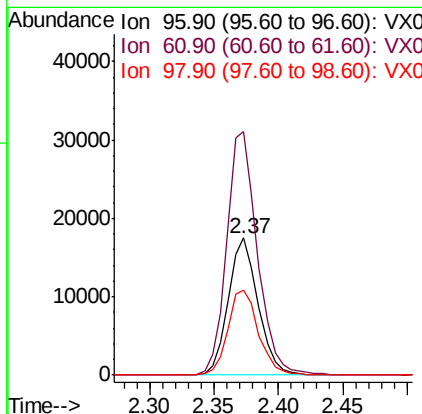
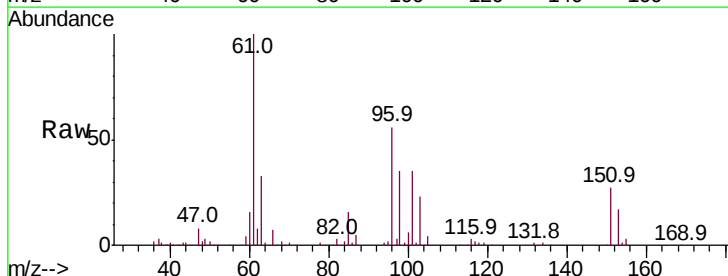
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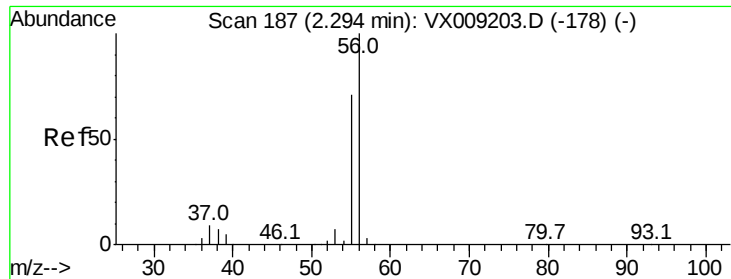


#12

1,1-Dichloroethene
 Concen: 17.824 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.01 min
 Lab File: VX009821.D
 Acq: 22 May 2019 22:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.7	144.3	216.5
98	61.9	50.3	75.5





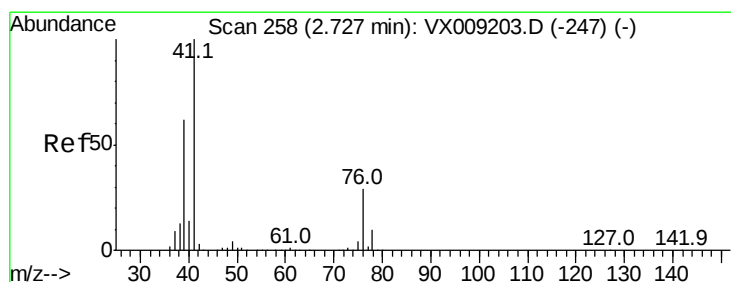
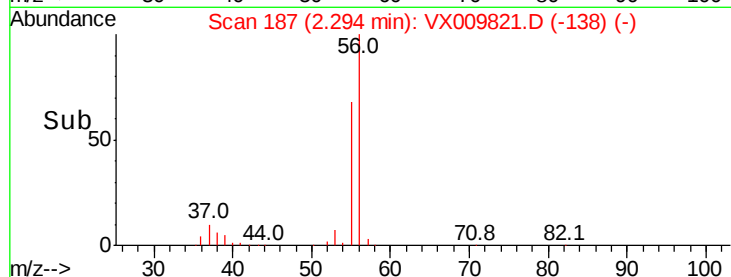
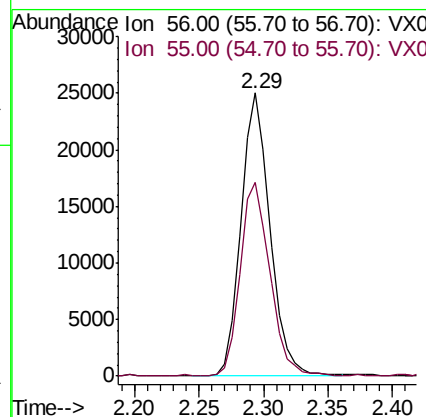
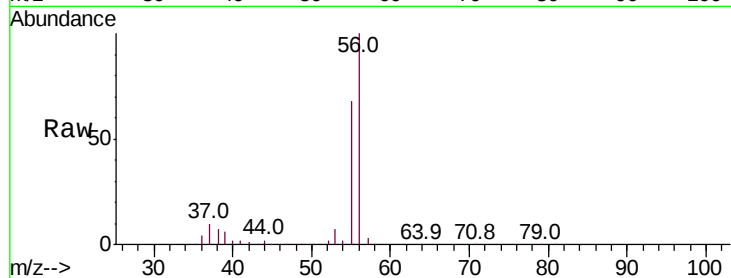
#13
Acrolein
Concen: 79.903 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX009821.D
Acq: 22 May 2019 22:57

Instrument :
MSVOA_X
ClientSampleId :
VX0522MBSD02

Tot Ion	56	Resp	38990
Ion Ratio	100	Lower	Upper
55	70.3	56.6	85.0

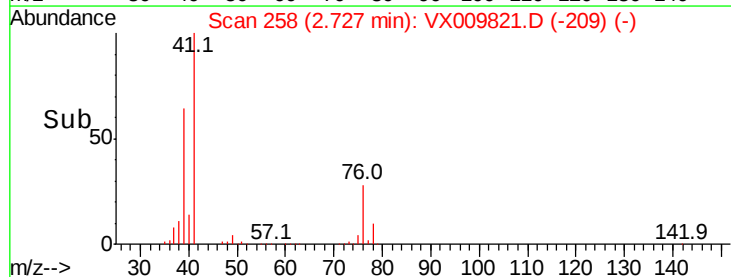
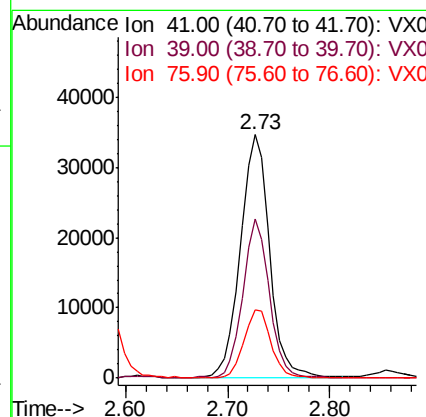
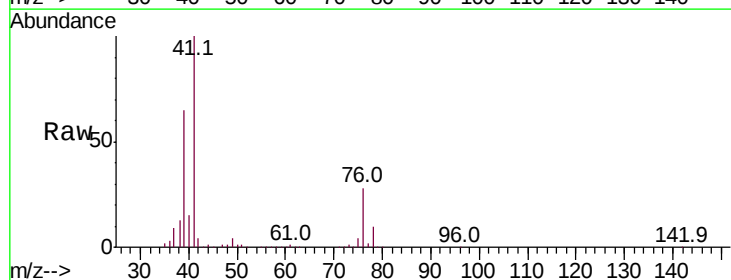
Manual Integrations
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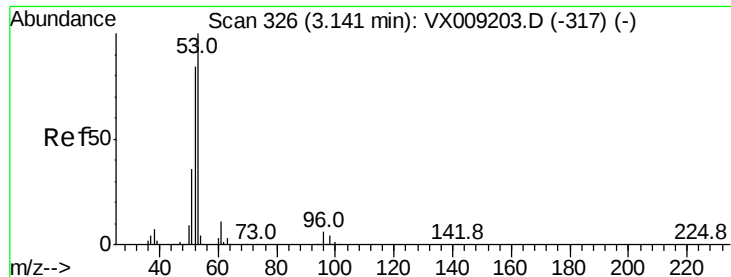
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#14
Allyl chloride
Concen: 17.586 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX009821.D
Acq: 22 May 2019 22:57

Tgt Ion	41	Resp	68569
Ion Ratio	100	Lower	Upper
39	60.3	46.7	70.1
76	26.0	21.8	32.8





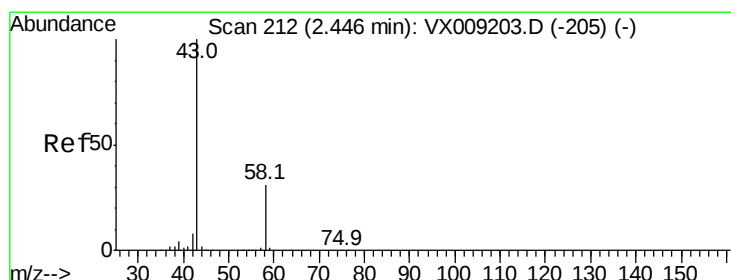
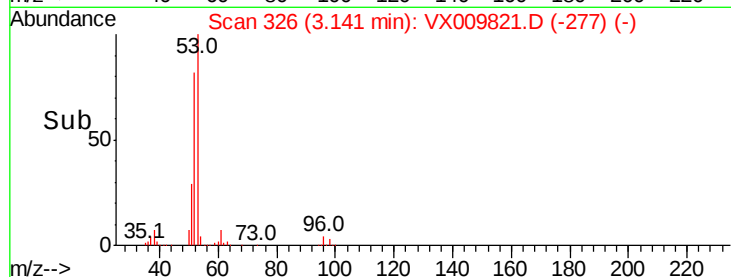
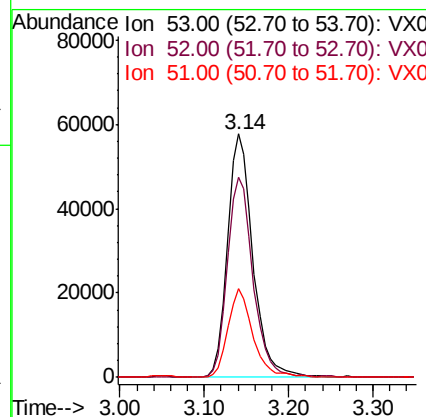
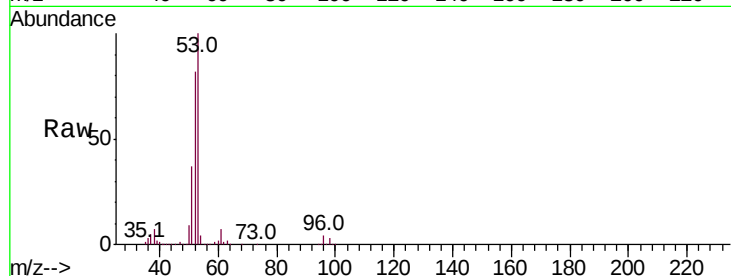
#15
 Acrylonitrile
 Concen: 90.029 ug/l
 RT: 3.14 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VX009821.D
 Acq: 22 May 2019 22:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522MBS02

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.9	100.3
51	35.8	28.2	42.2

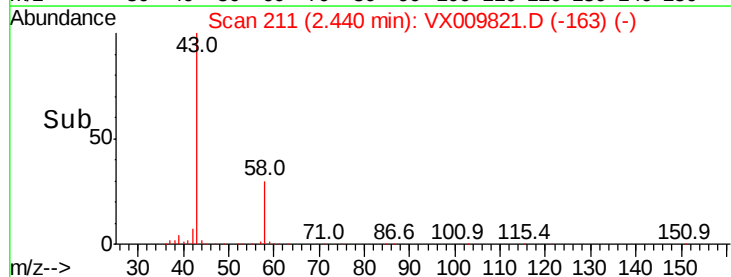
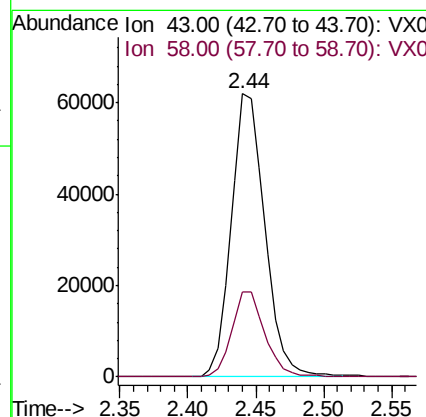
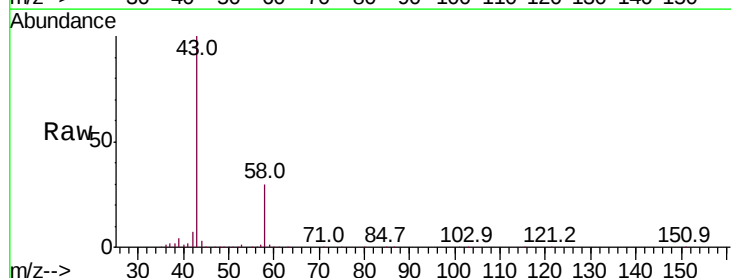
Manual Integrations
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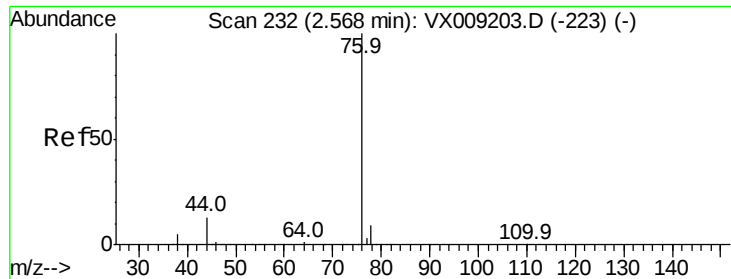
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#16
 Acetone
 Concen: 84.451 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX009821.D
 Acq: 22 May 2019 22:57

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.8	24.9	37.3





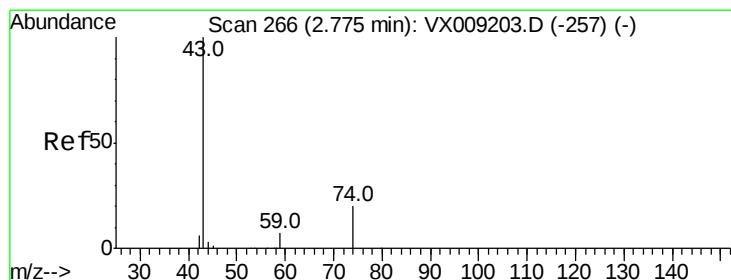
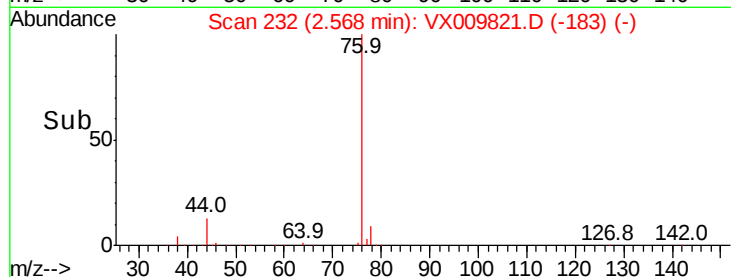
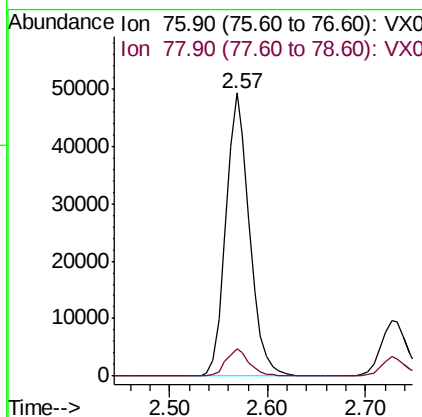
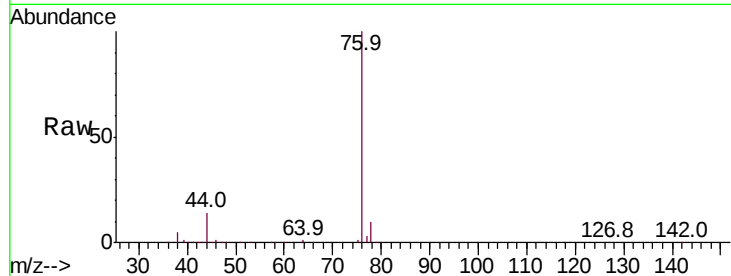
#17
Carbon Disulfide
Concen: 18.323 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009821.D
Acq: 22 May 2019 22:57

Instrument :
MSVOA_X
ClientSampleId :
VX0522MBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.4	11.0

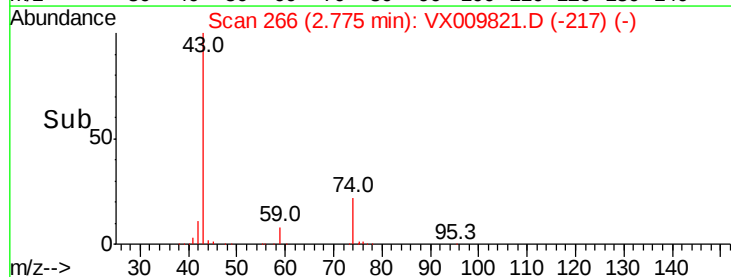
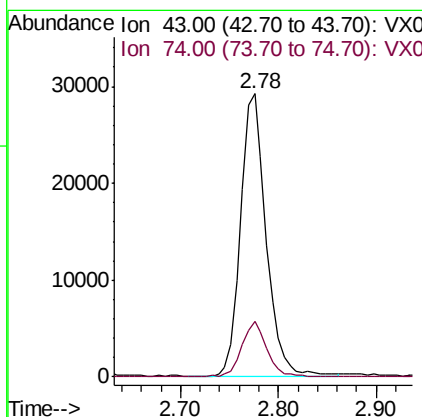
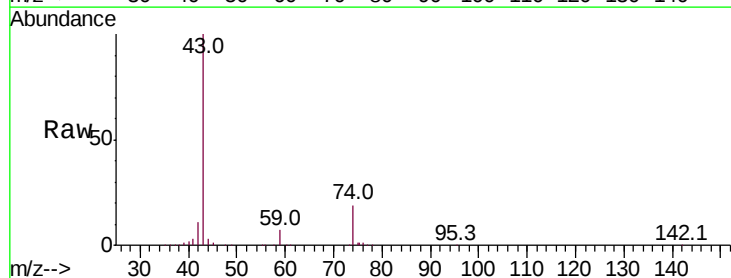
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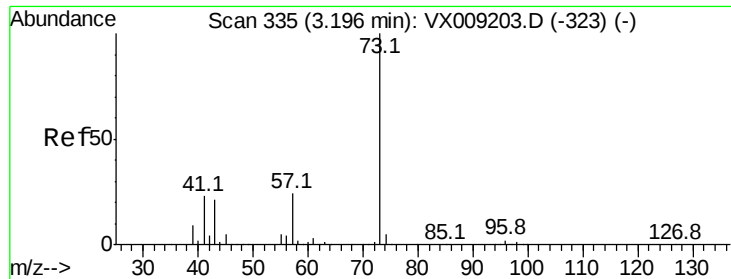
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#18
Methyl Acetate
Concen: 17.773 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009821.D
Acq: 22 May 2019 22:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.6	16.2	24.4





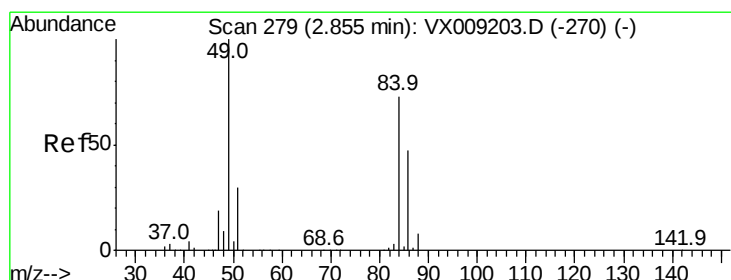
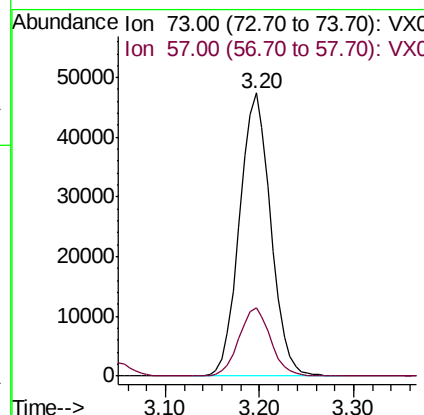
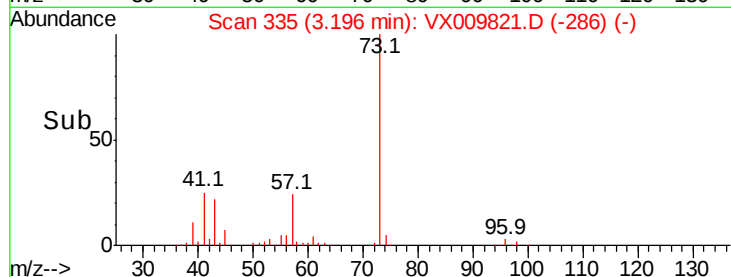
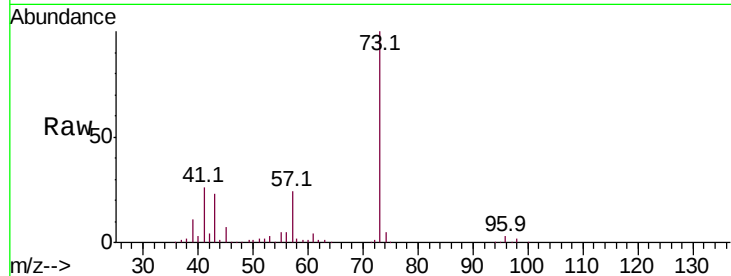
#19
Methvl tert-butvl Ether
Concen: 17.652 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009821.D
Acq: 22 May 2019 22:57

Instrument :
MSVOA_X
ClientSampleId :
VX0522MBSD02

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.3	19.3	28.9

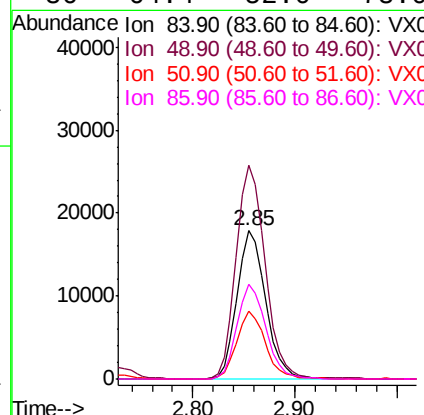
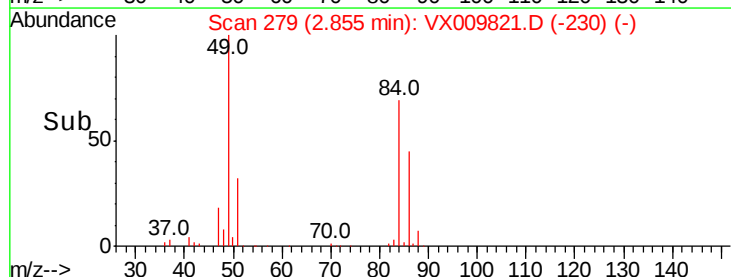
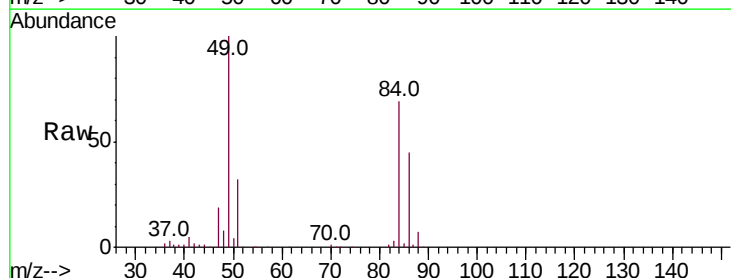
Manual Integrations
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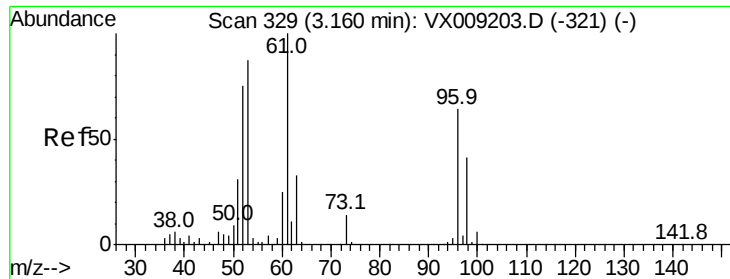
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#20
Methylene Chloride
Concen: 17.149 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009821.D
Acq: 22 May 2019 22:57

Tgt Ion	Ratio	Lower	Upper
84	100		
49	144.0	109.9	164.9
51	45.8	32.7	49.1
86	64.4	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 17.798 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009821.D

Acq: 22 May 2019 22:57

Instrument :

MSVOA_X

ClientSampleId :

VX0522MBSD02

Tot Ion: 96 Resp: 30882

Ion Ratio Lower Upper

96 100

61 153.5 124.5 186.7

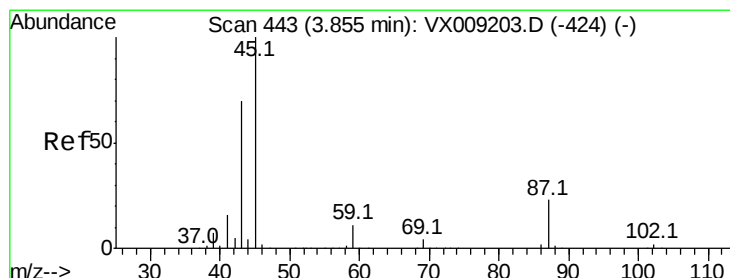
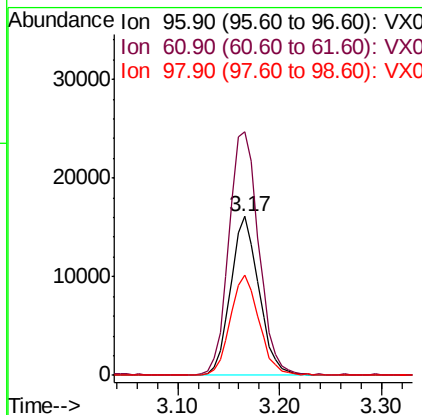
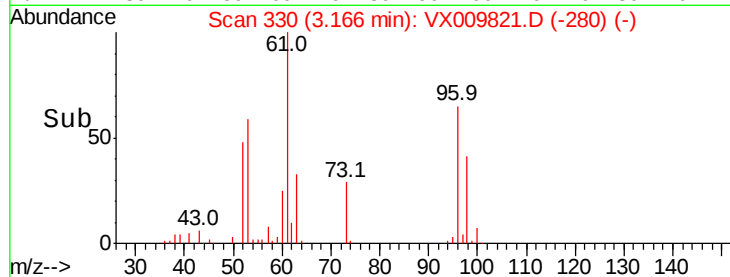
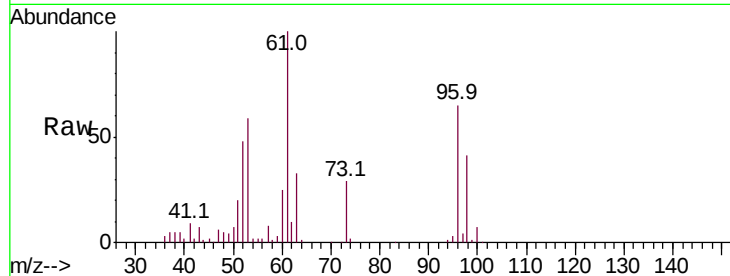
98 63.0 50.4 75.6

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#22

Diisopropyl ether

Concen: 18.344 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009821.D

Acq: 22 May 2019 22:57

Tgt Ion: 45 Resp: 137550

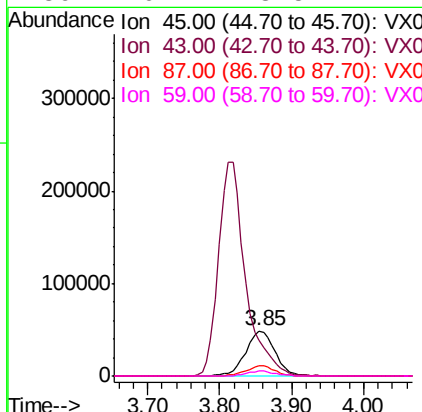
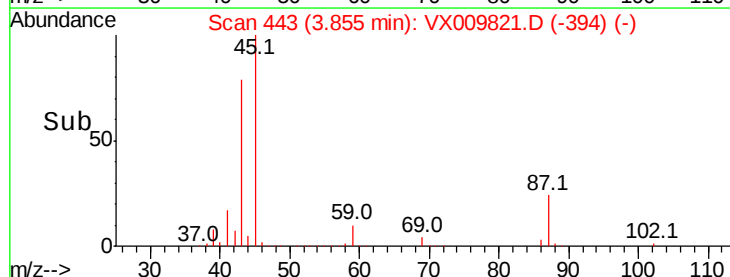
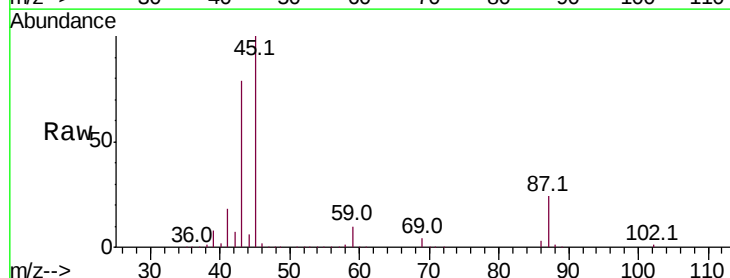
Ion Ratio Lower Upper

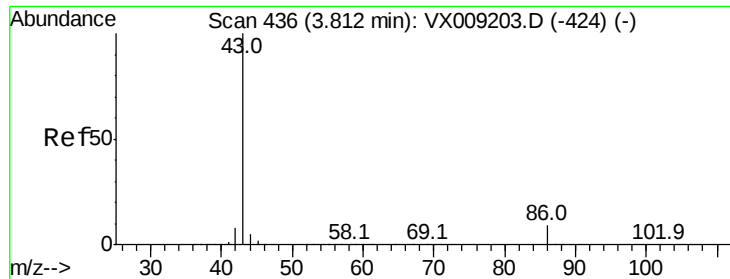
45 100

43 79.0 56.1 84.1

87 23.9 18.1 27.1

59 10.4 8.5 12.7





#23

Vinyl Acetate

Concen: 94.534 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009821.D

Acq: 22 May 2019 22:57

Instrument :

MSVOA_X

ClientSampleID :

VX0522MBS02

Tot Ion: 43 Resp: 606994

Ion Ratio Lower Upper

43 100

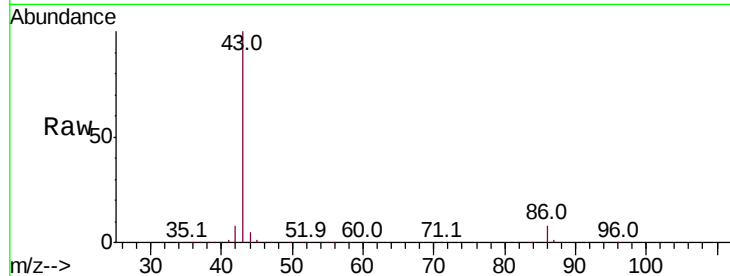
86 8.0 6.9 10.3

Manual Integrations

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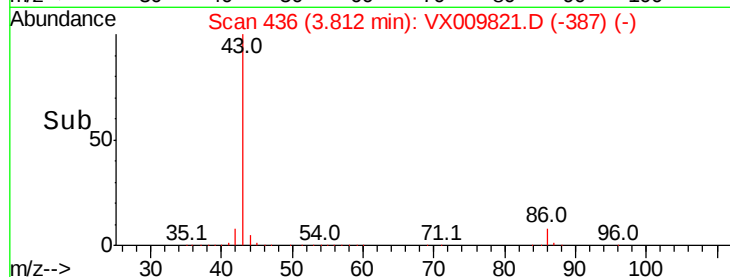
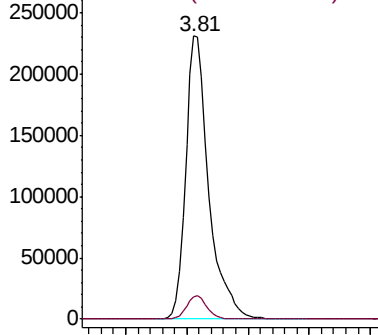
MMDadoda

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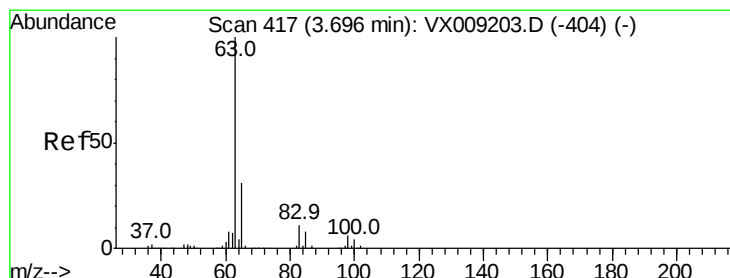


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time-->



#24

1,1-Dichloroethane

Concen: 17.824 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009821.D

Acq: 22 May 2019 22:57

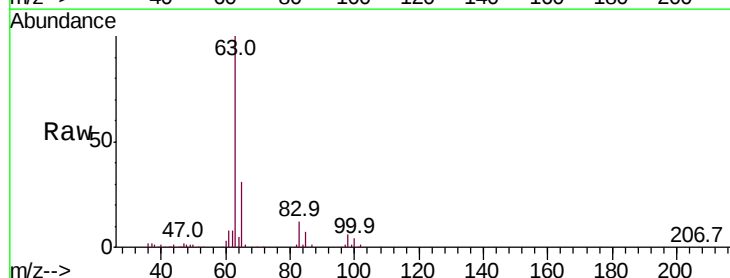
Tgt Ion: 63 Resp: 65931

Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.2

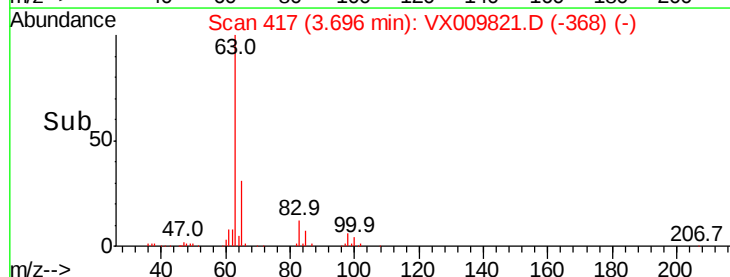
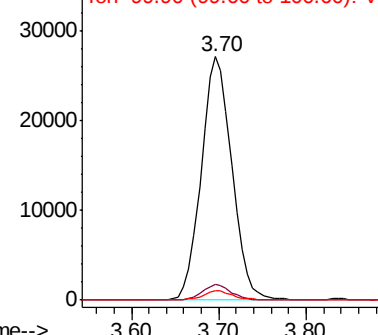
100 3.8 2.0 6.0



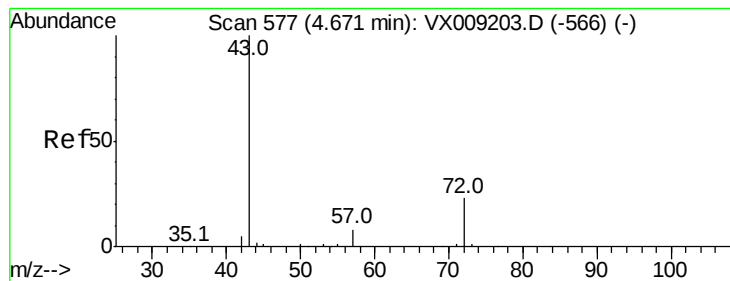
Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time-->



#25

2-Butanone

Concen: 92.230 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009821.D

Acq: 22 May 2019 22:57

Instrument :

MSVOA_X

ClientSampleID :

VX0522MBSD02

Tot Ion: 43 Resp: 179140

Ion Ratio Lower Upper

43 100

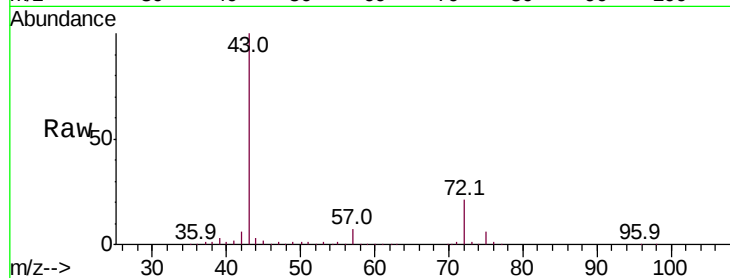
72 21.3 18.2 27.2

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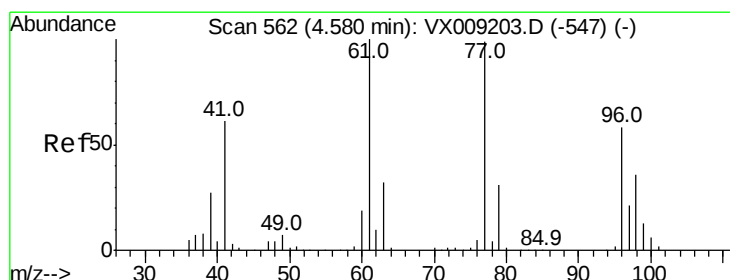
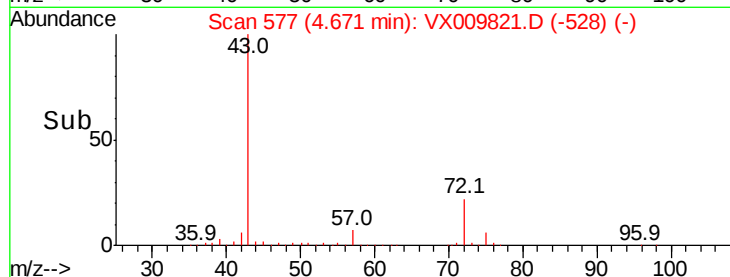
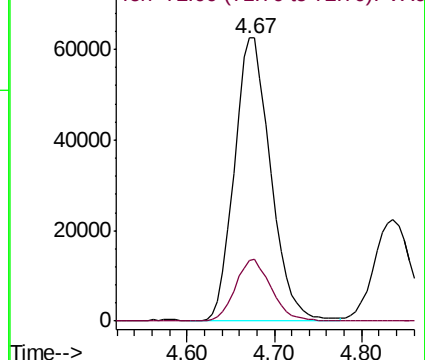
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 14.454 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009821.D

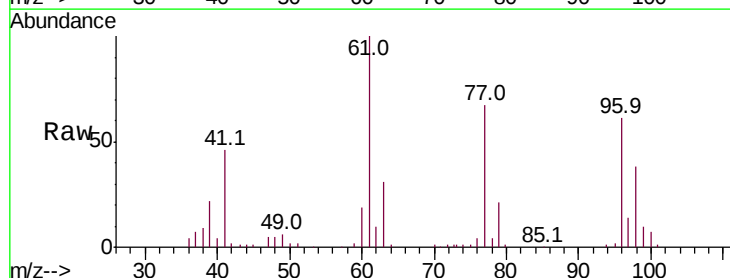
Acq: 22 May 2019 22:57

Tgt Ion: 77 Resp: 39796

Ion Ratio Lower Upper

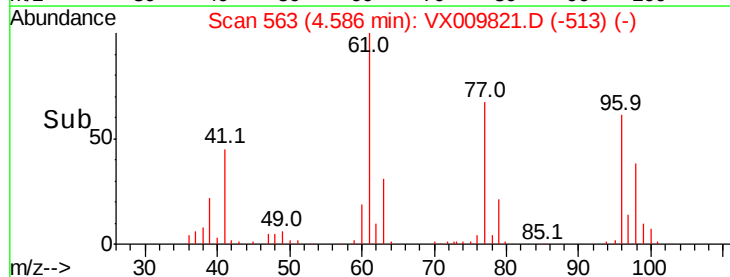
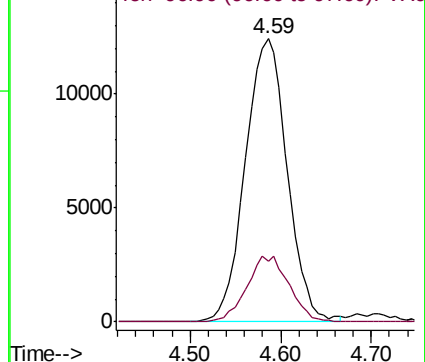
77 100

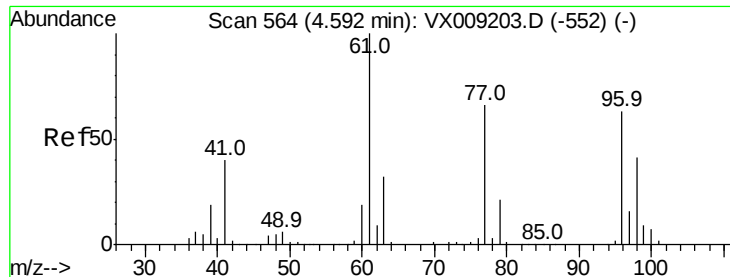
97 23.3 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

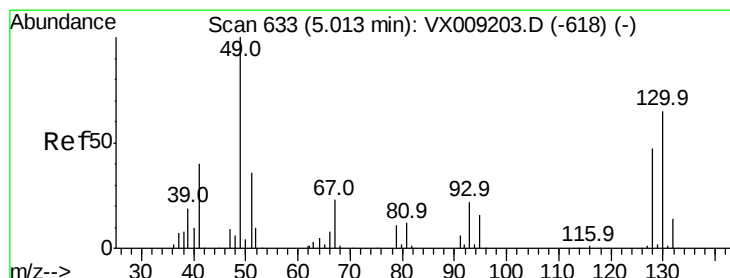
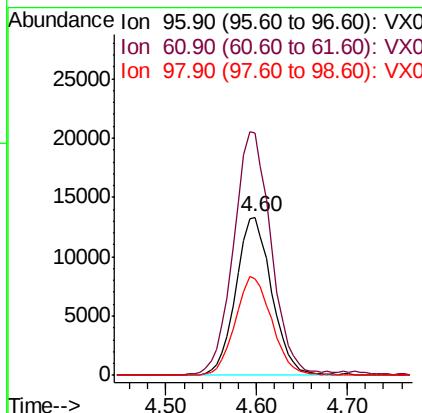
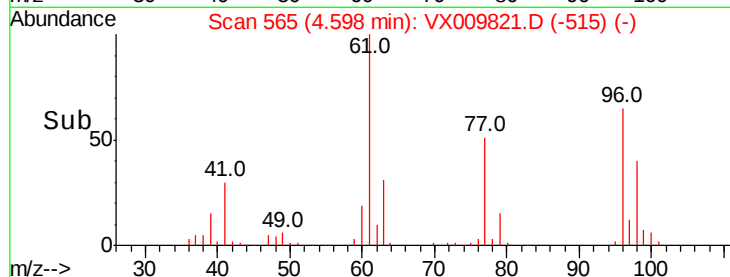
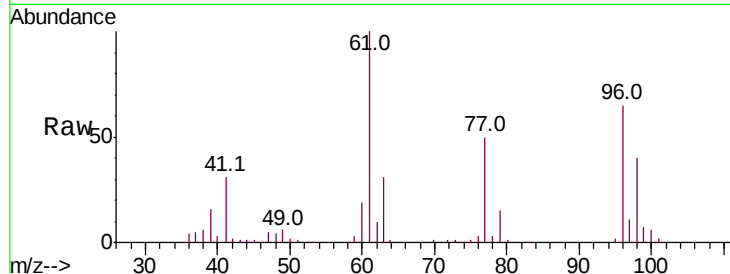
cis-1,2-Dichloroethene
Concen: 17.718 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009821.D
Acq: 22 May 2019 22:57

Instrument :
MSVOA_X
ClientSampleID :
VX0522MBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.5	0.0	324.0
98	63.5	0.0	130.4

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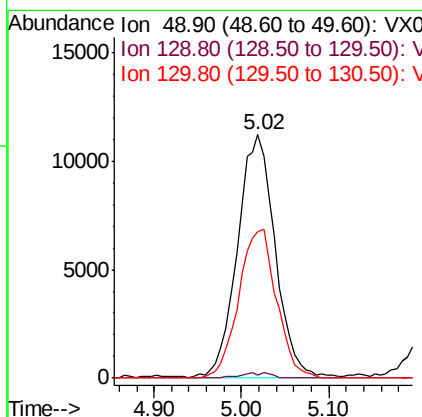
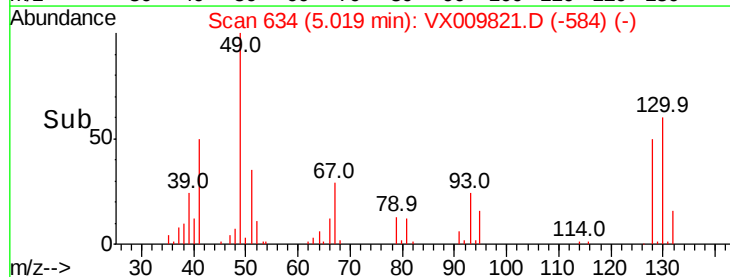
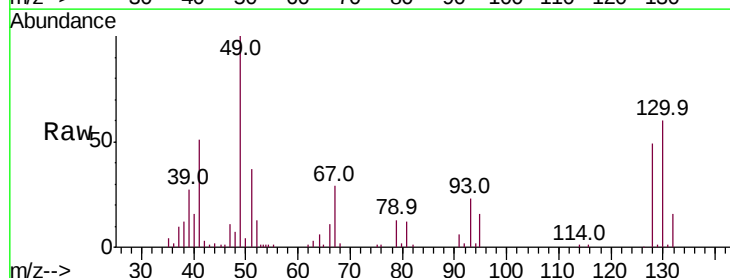
MMDadoda
5/23/2019 10:38:40 AM

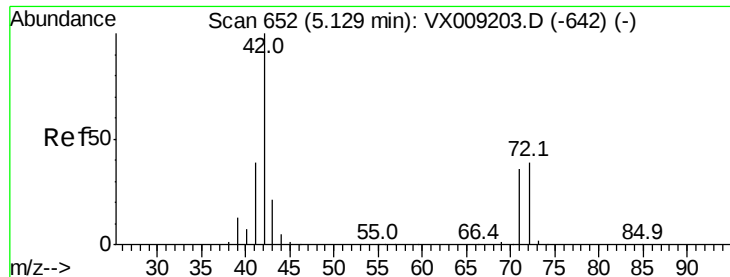


#28

Bromochloromethane
Concen: 21.037 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009821.D
Acq: 22 May 2019 22:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.8
130	61.0	51.2	76.8





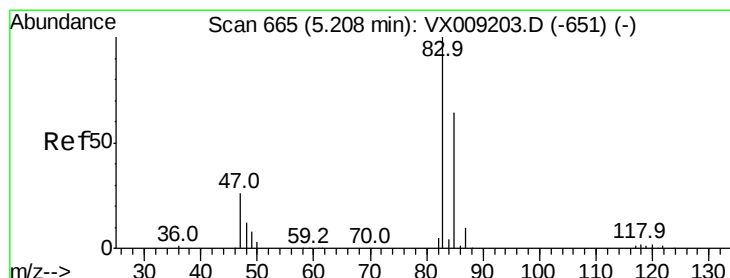
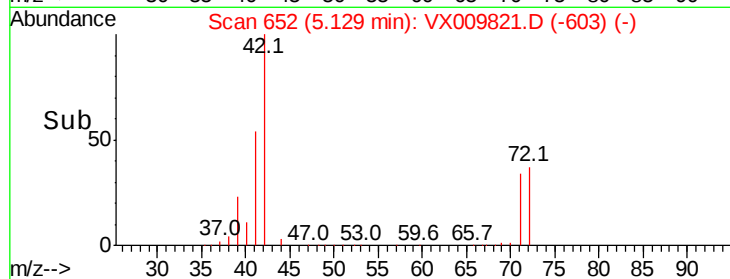
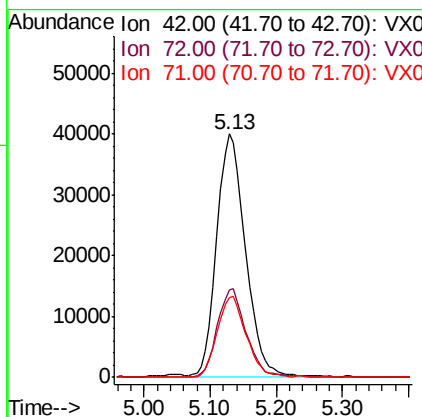
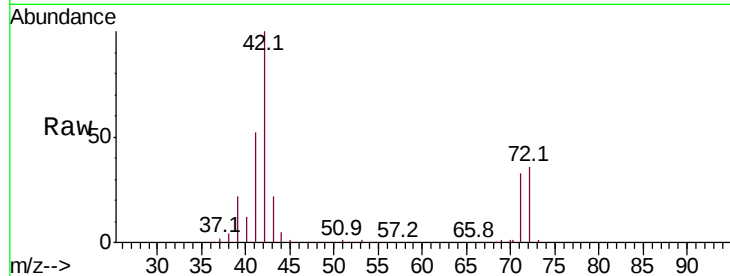
#29
Tetrahydrofuran
Concen: 96.159 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX009821.D
Acq: 22 May 2019 22:57

Instrument :
MSVOA_X
ClientSampleId :
VX0522MBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.9	30.4	45.6
71	33.6	28.6	43.0

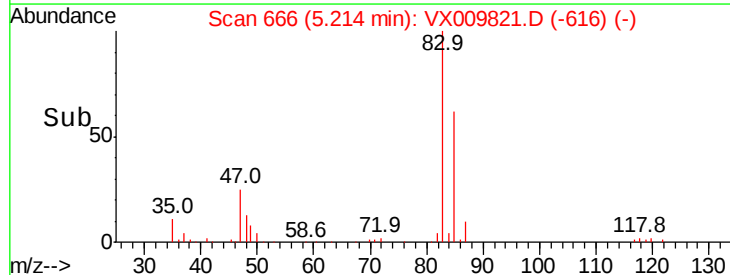
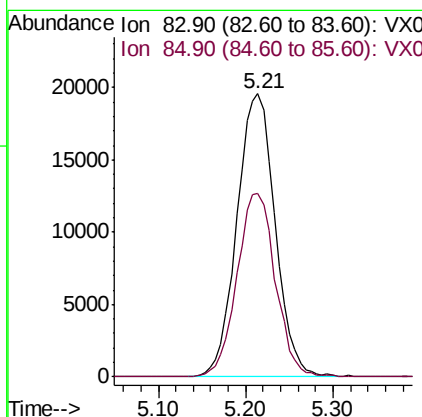
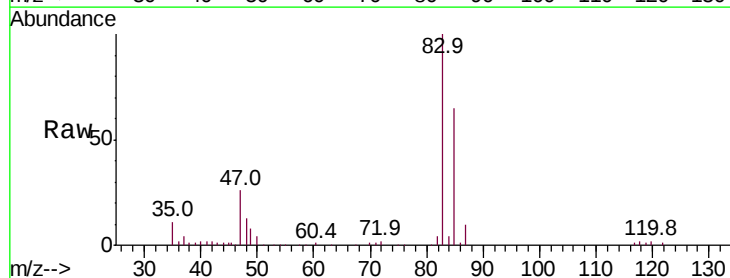
Manual Integrations
APPROVED

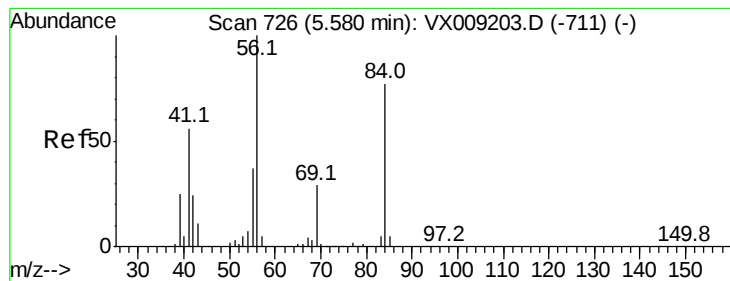
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#30
Chloroform
Concen: 17.782 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009821.D
Acq: 22 May 2019 22:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.5	77.3





#31

Cyclohexane

Concen: 18.287 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX009821.D

Acq: 22 May 2019 22:57

Instrument :

MSVOA_X

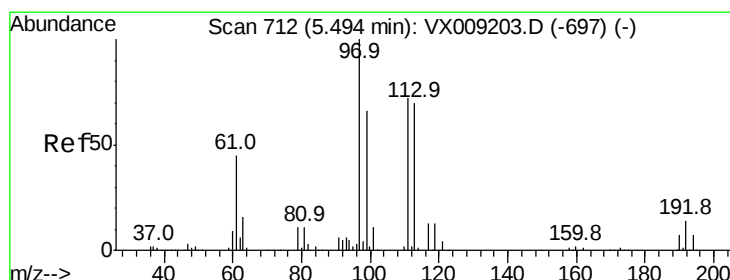
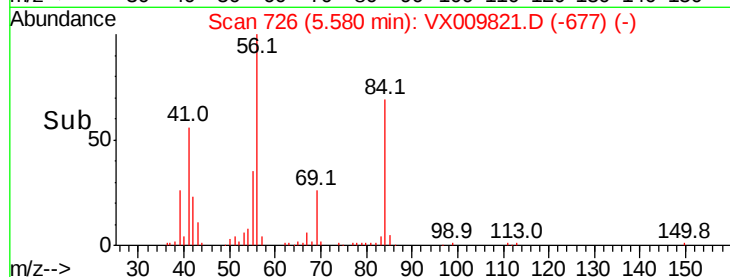
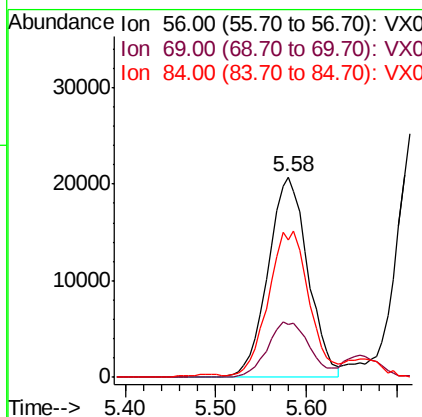
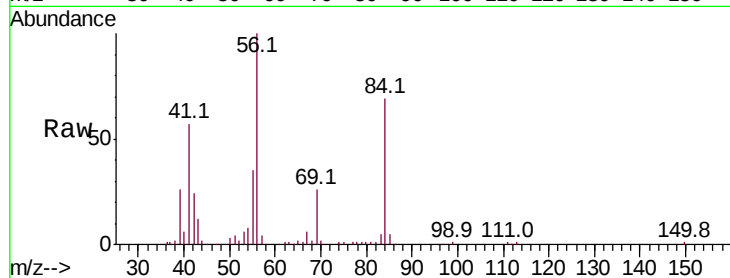
ClientSampleId :

VX0522MBS02

Tot Ion:	56	Resp:	62932
Ion	Ratio	Lower	Upper
56	100		
69	26.5	23.4	35.0
84	67.9	61.9	92.9

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#32

1,1,1-Trichloroethane

Concen: 17.705 ug/l

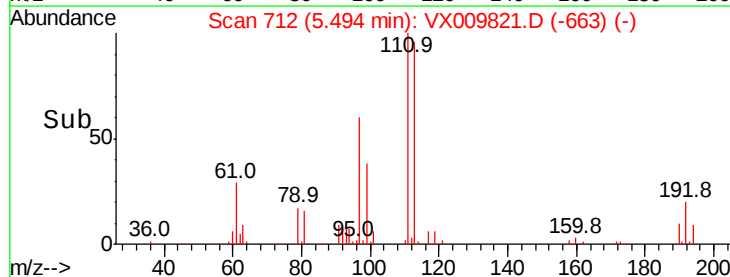
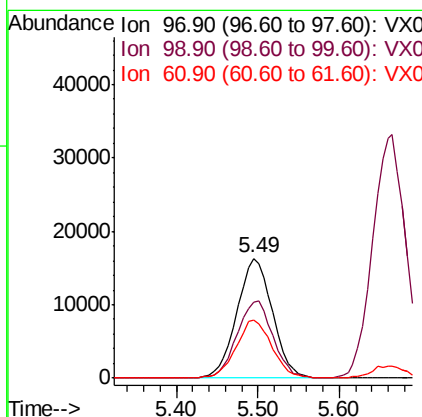
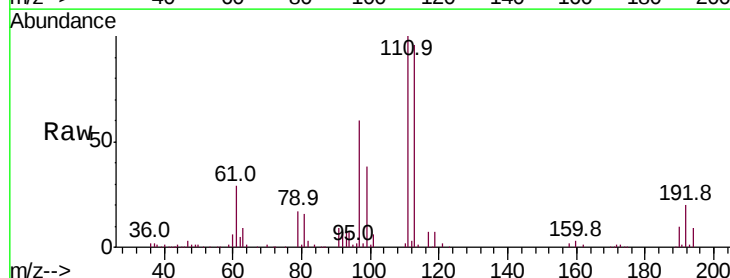
RT: 5.49 min Scan# 712

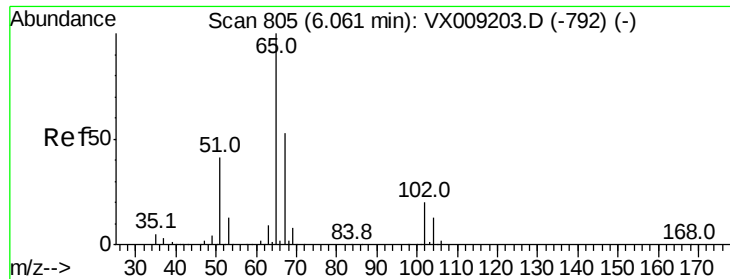
Delta R.T. 0.00 min

Lab File: VX009821.D

Acq: 22 May 2019 22:57

Tgt Ion:	97	Resp:	49309
Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.8	77.8
61	49.0	37.8	56.8





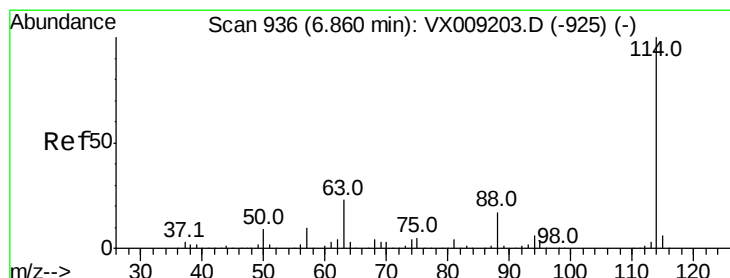
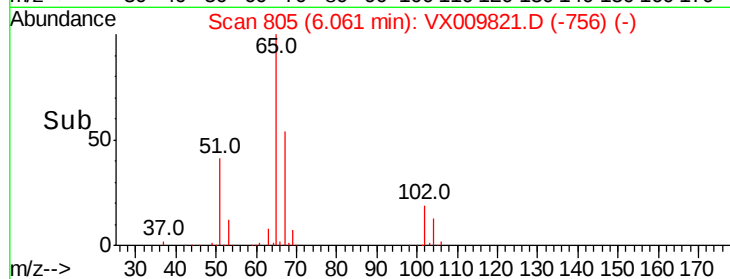
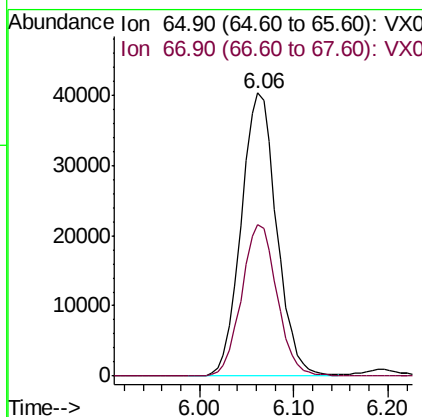
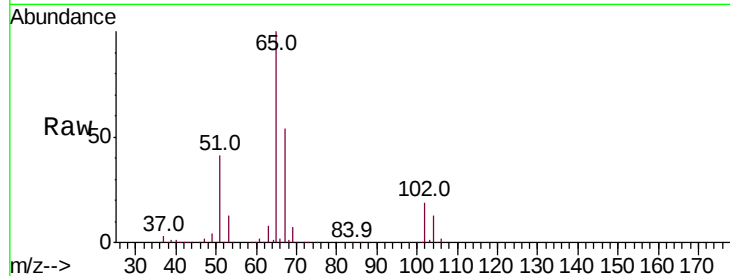
#33
 1,2-Dichloroethane-d4
 Concen: 45.724 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009821.D
 Acq: 22 May 2019 22:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522MBSD02

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	106.6

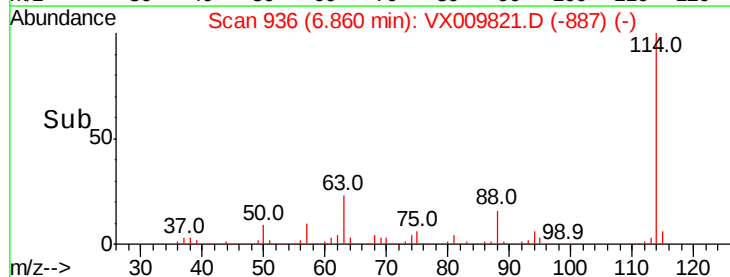
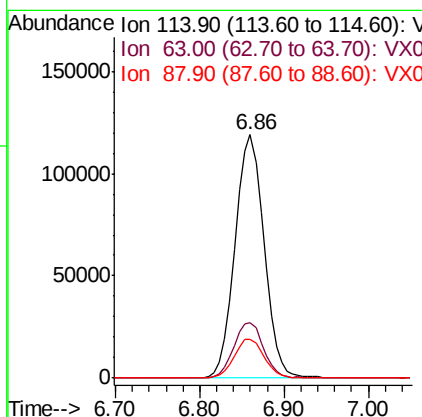
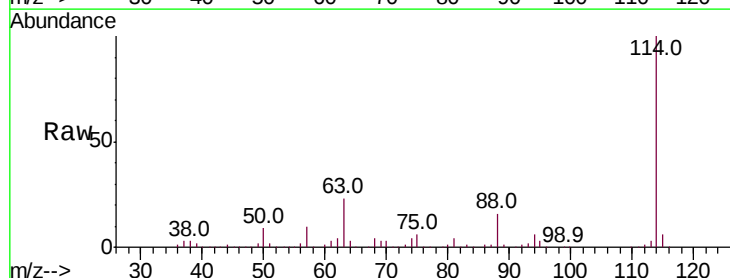
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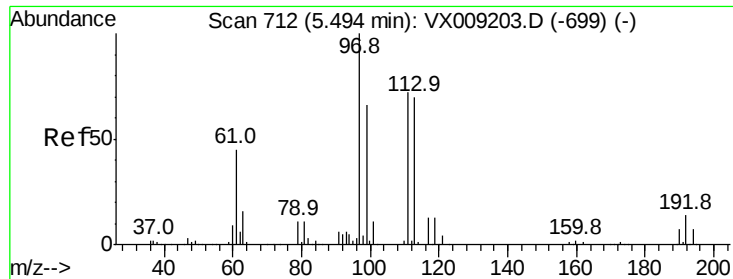
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009821.D
 Acq: 22 May 2019 22:57

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	45.6
88	16.1	0.0	33.2





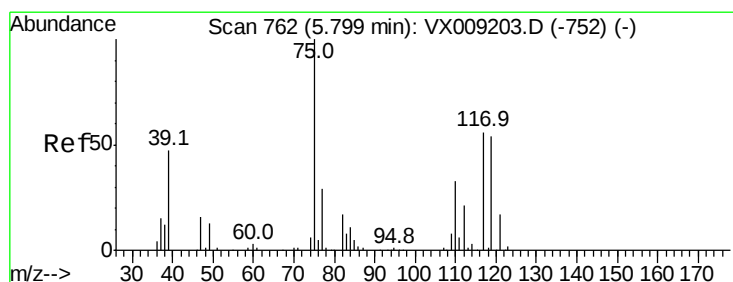
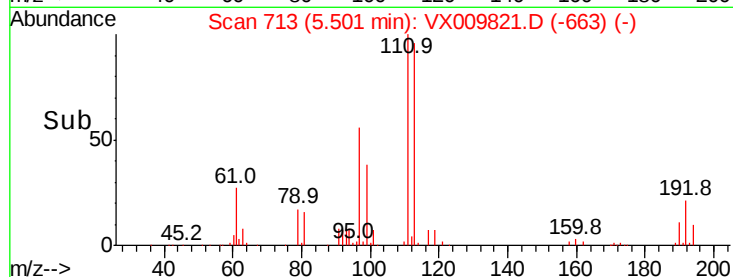
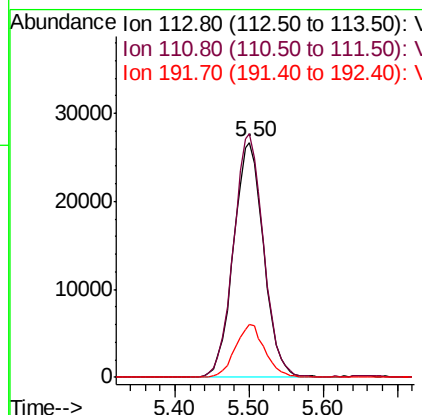
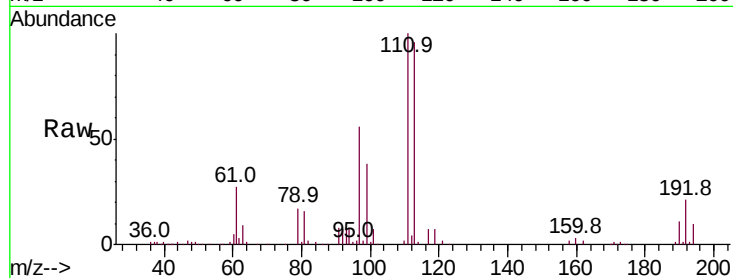
#35
 Dibromofluoromethane
 Concen: 43.568 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009821.D
 Acq: 22 May 2019 22:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522MBSD02

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.8	124.2
192	21.9	17.0	25.6

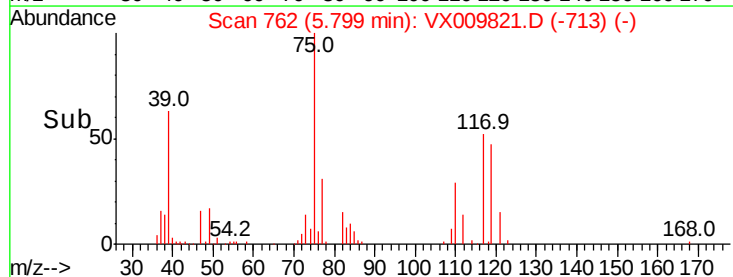
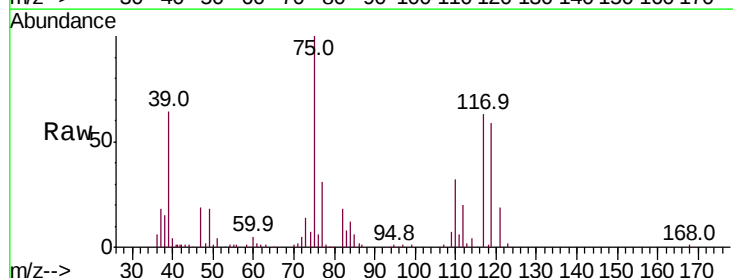
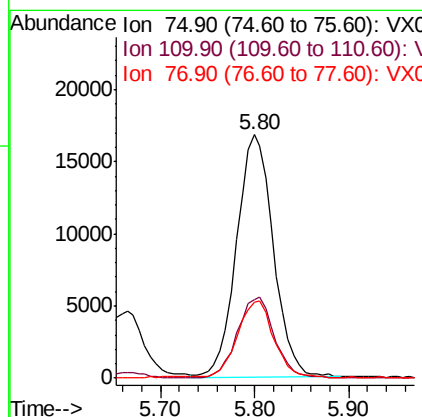
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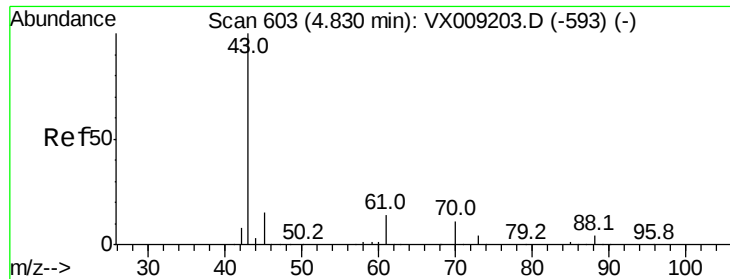
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#36
 1,1-Dichloropropene
 Concen: 17.776 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX009821.D
 Acq: 22 May 2019 22:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.6
77	32.4	24.8	37.2





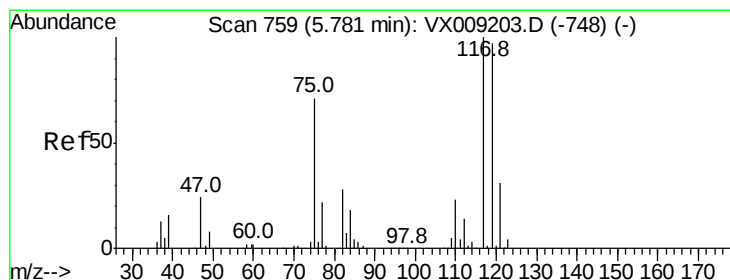
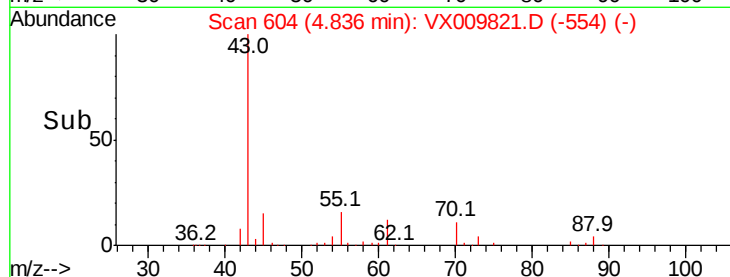
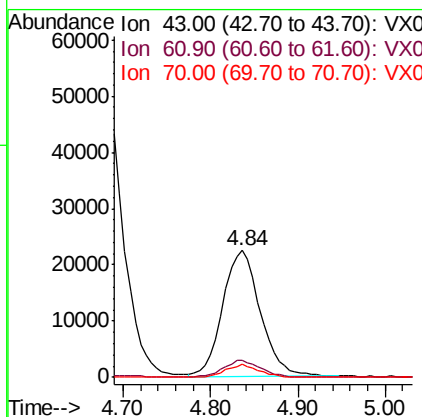
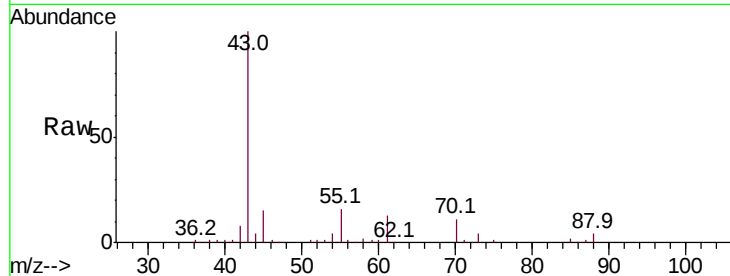
#37
Ethyl Acetate
Concen: 18.648 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009821.D
Acq: 22 May 2019 22:57

Instrument :
MSVOA_X
ClientSampleId :
VX0522MBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.5	15.7
70	9.1	7.9	11.9

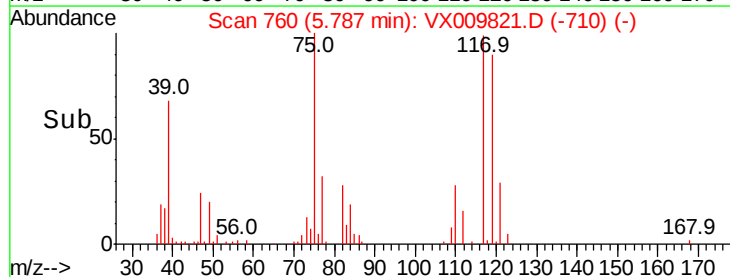
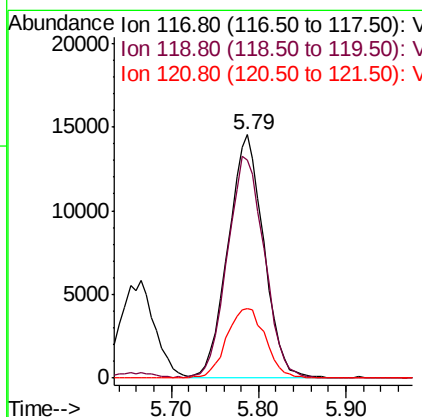
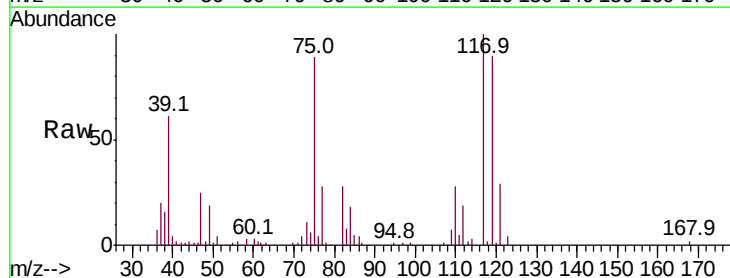
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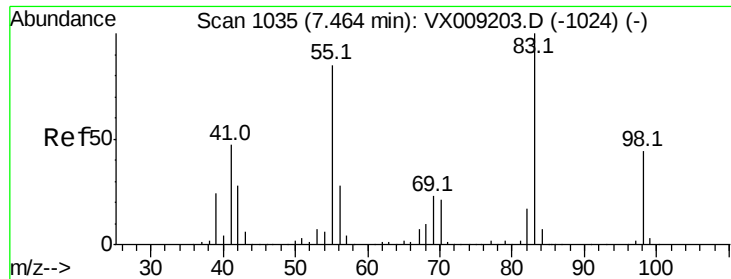
MMDadoda
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#38
Carbon Tetrachloride
Concen: 17.649 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX009821.D
Acq: 22 May 2019 22:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.8	77.5	116.3
121	28.7	24.7	37.1





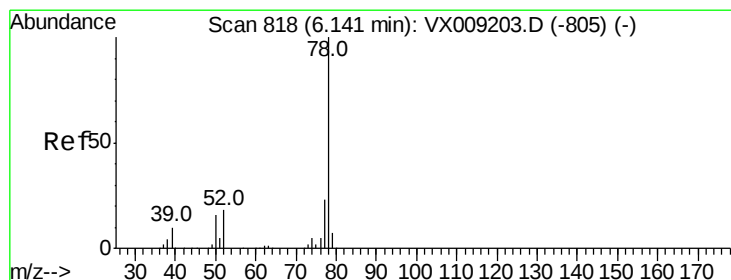
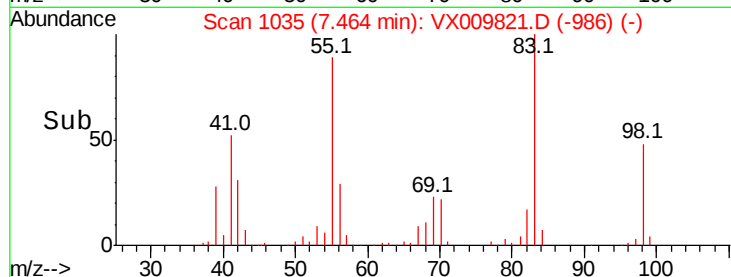
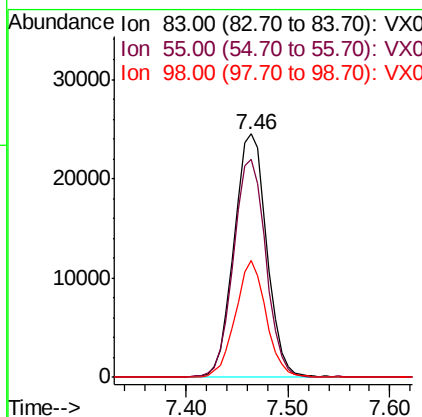
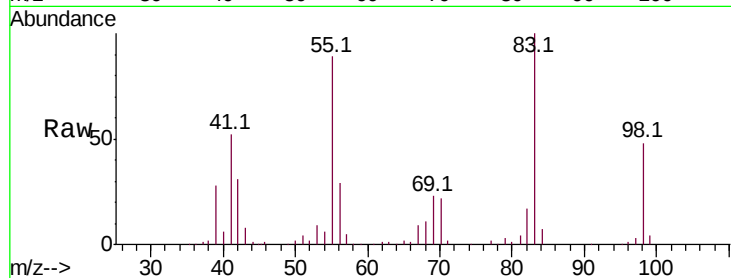
#39
Methylvlcvclohexane
Concen: 17.226 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009821.D
Acq: 22 May 2019 22:57

Instrument :
MSVOA_X
ClientSampleId :
VX0522MBSD02

Tot Ion	83	Ratio	100	Resp	54463
Ion	83	100		Lower	Upper
	55	89.2		67.7	101.5
	98	47.8		35.5	53.3

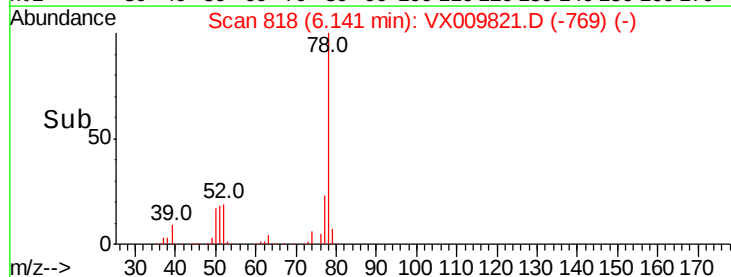
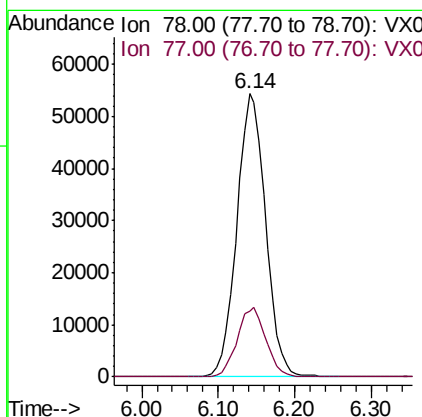
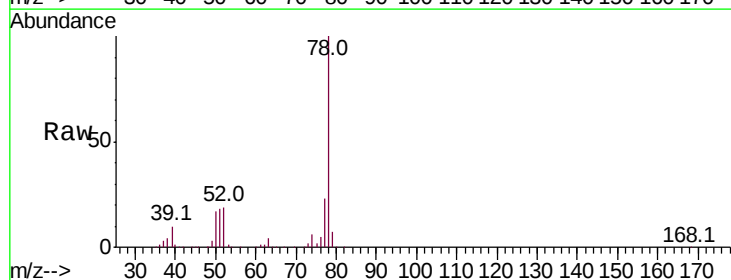
Manual Integrations
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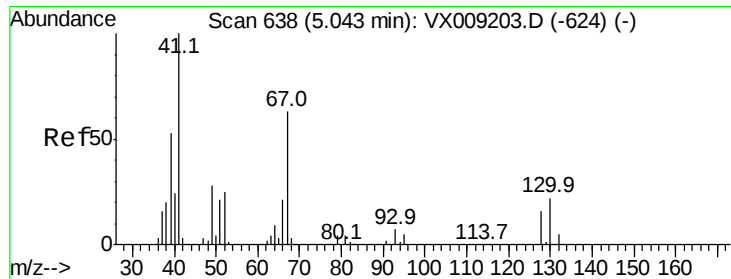
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#40
Benzene
Concen: 17.766 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009821.D
Acq: 22 May 2019 22:57

Tgt Ion	78	Ratio	100	Resp	141552
Ion	78	100		Lower	Upper
	77	23.4		18.8	28.2





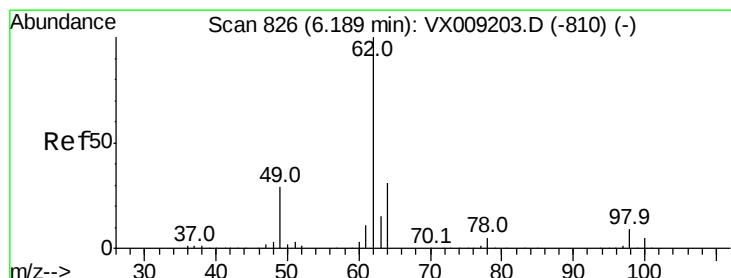
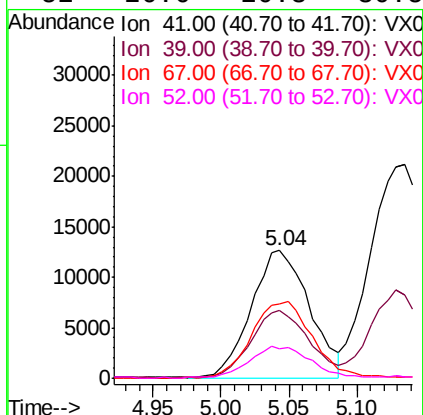
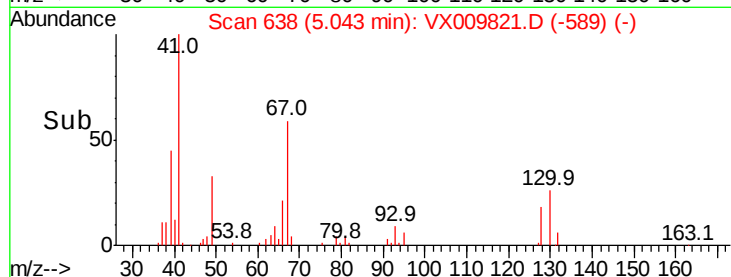
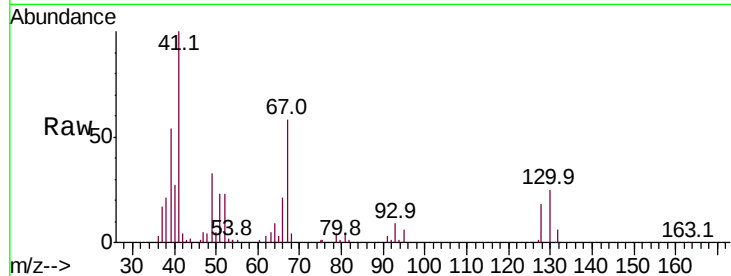
#41
Methacrylonitrile
Concen: 17.616 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX009821.D
Acq: 22 May 2019 22:57

Instrument :
MSVOA_X
ClientSampleId :
VX0522MBSD02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.9	42.0	63.0	
67	63.3	49.8	74.8	
52	26.6	20.3	30.5	

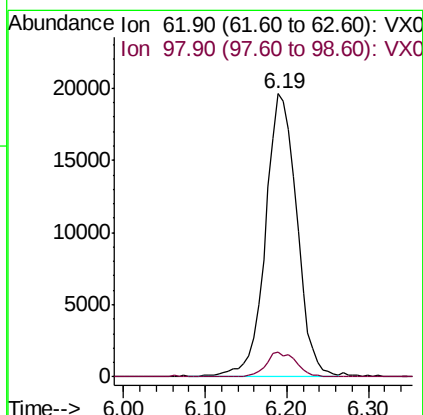
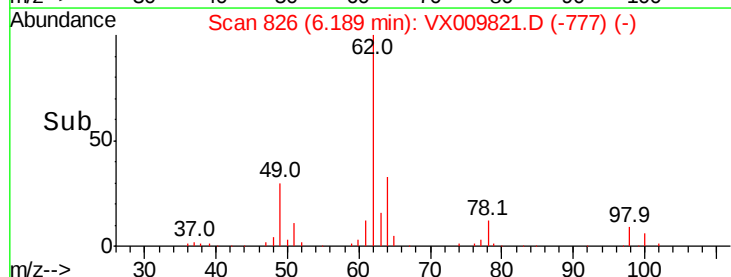
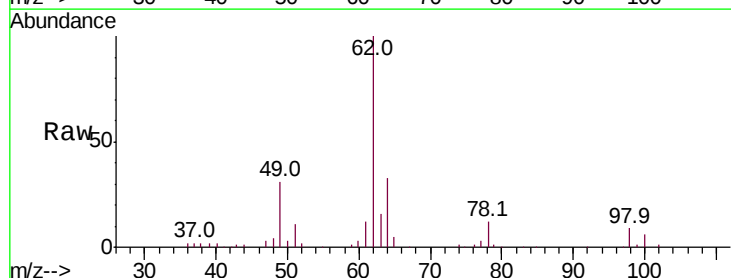
Manual Integrations
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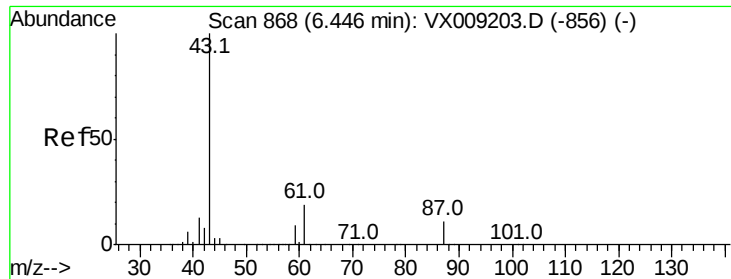
MMDadoda
5/23/2019 10:38:40 AM



#42
1,2-Dichloroethane
Concen: 18.322 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX009821.D
Acq: 22 May 2019 22:57

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	18.2	





#43

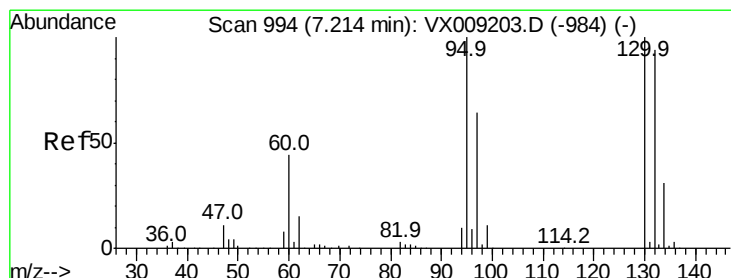
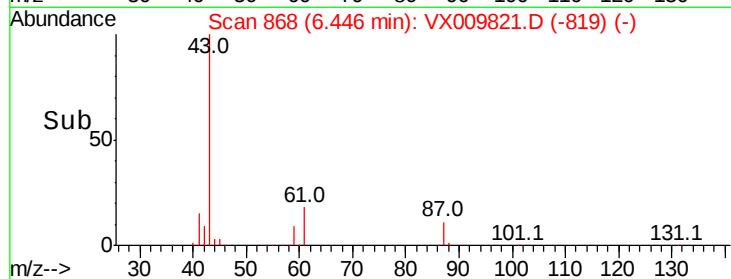
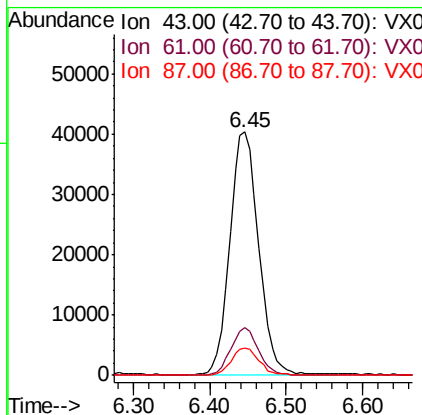
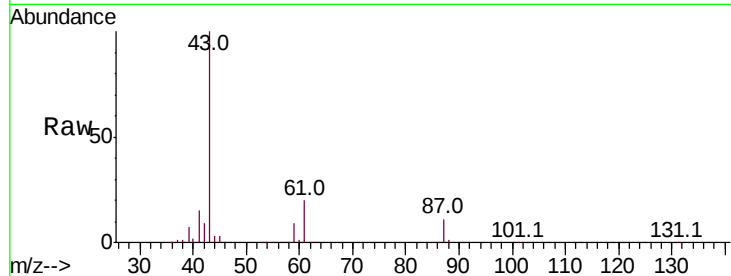
Isopropyl Acetate
 Concen: 18.247 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX009821.D
 Acq: 22 May 2019 22:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522MBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.1	22.7
87	11.1	9.0	13.6

Manual Integrations
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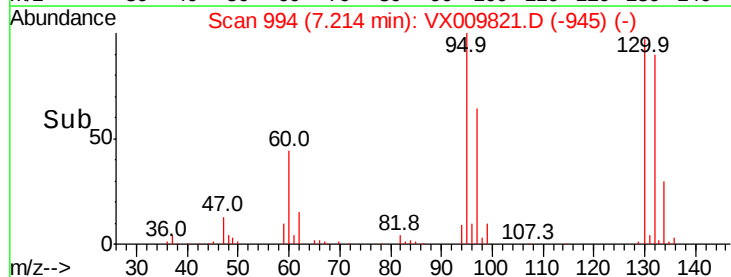
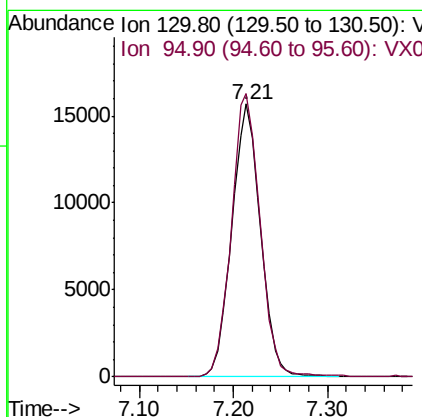
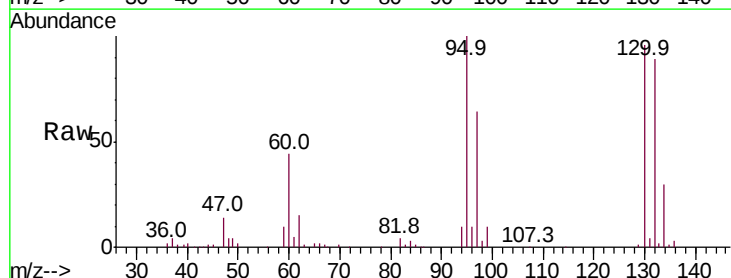
MMDadoda
 5/23/2019 10:38:40 AM

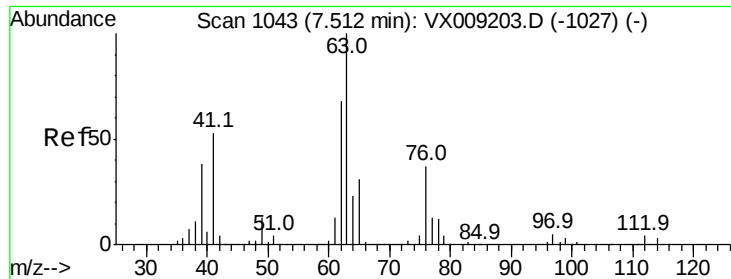


#44

Trichloroethene
 Concen: 17.248 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009821.D
 Acq: 22 May 2019 22:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.7	0.0	199.2





#45

1,2-Dichloropropane

Concen: 17.919 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009821.D

Acq: 22 May 2019 22:57

Instrument :

MSVOA_X

ClientSampleId :

VX0522MBSD02

Tot Ion: 63 Resp: 40427

Ion Ratio Lower Upper

63 100

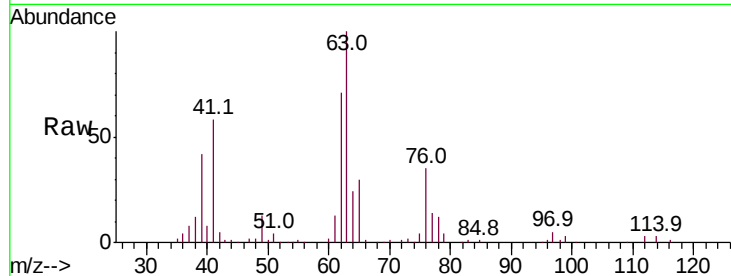
65 30.3 25.0 37.6

Manual Integrations

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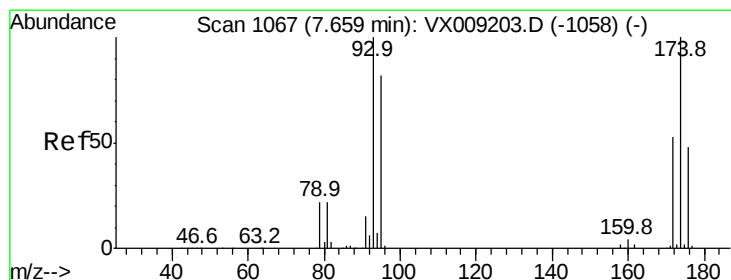
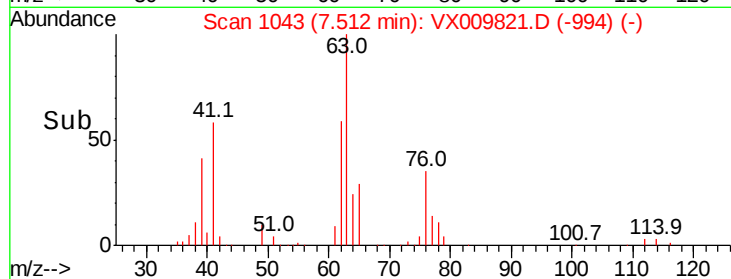
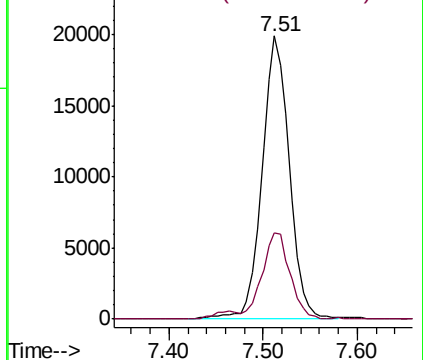
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 17.629 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009821.D

Acq: 22 May 2019 22:57

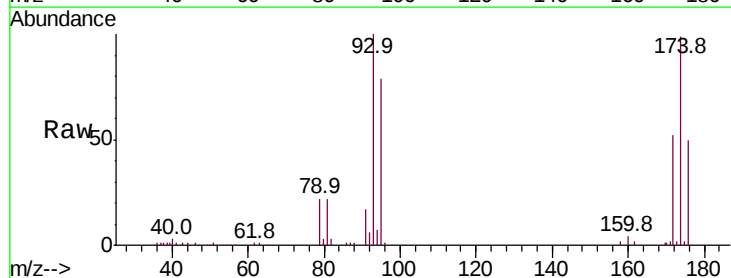
Tgt Ion: 93 Resp: 23096

Ion Ratio Lower Upper

93 100

95 81.9 66.5 99.7

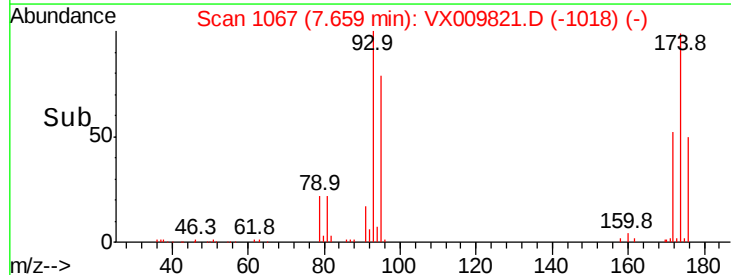
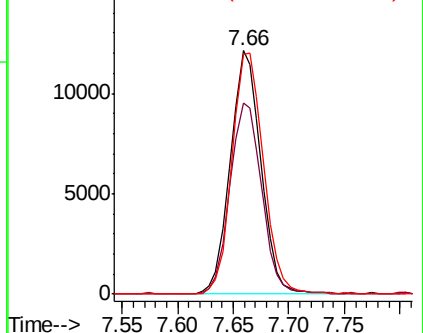
174 102.2 82.1 123.1

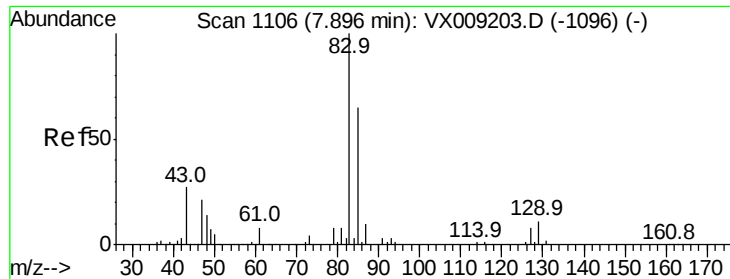


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 17.385 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009821.D

Acq: 22 May 2019 22:57

Instrument :

MSVOA_X

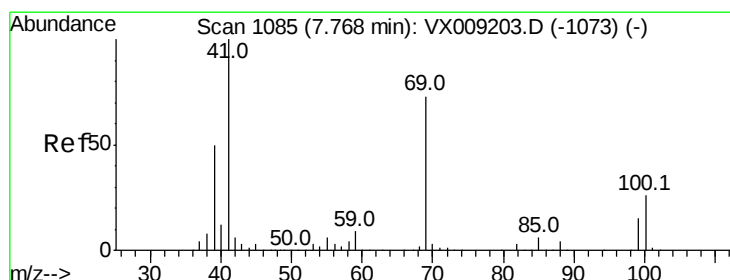
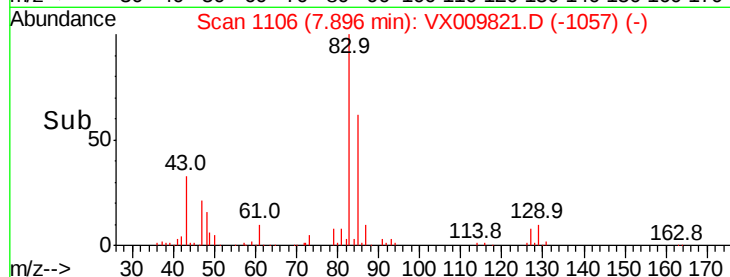
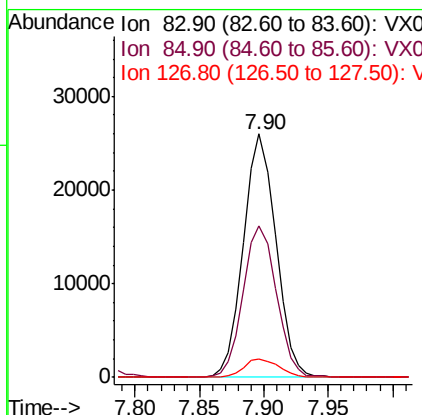
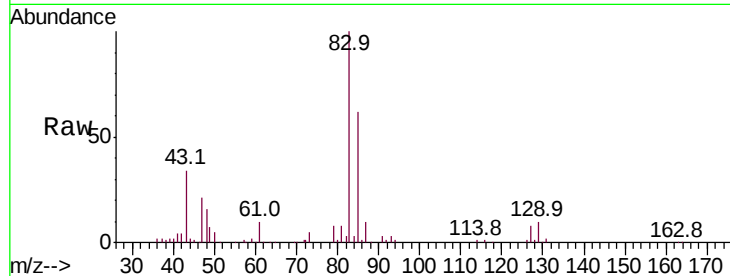
ClientSampled :

VX0522MBSD02

Tot Ion:	83	Resp:	45435
Ion	Ratio	Lower	Upper
83	100		
85	62.4	52.4	78.6
127	7.6	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.649 ug/l

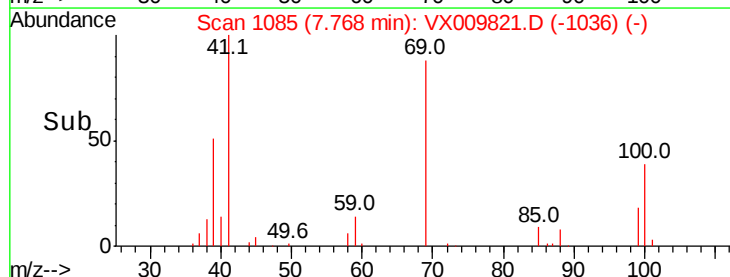
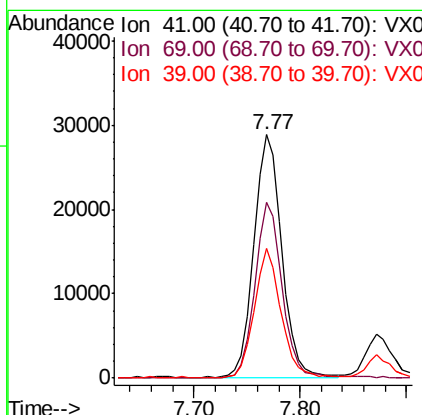
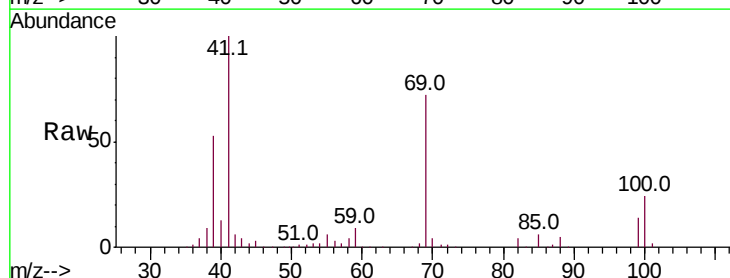
RT: 7.77 min Scan# 1085

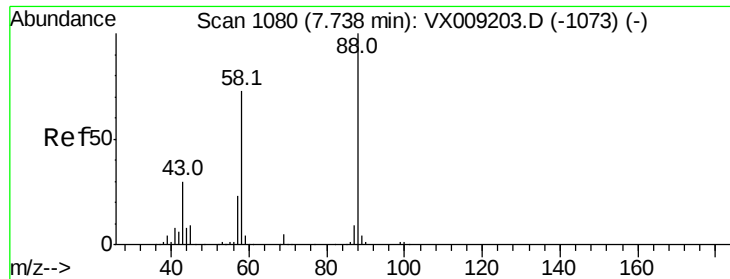
Delta R.T. 0.00 min

Lab File: VX009821.D

Acq: 22 May 2019 22:57

Tgt Ion:	41	Resp:	53085
Ion	Ratio	Lower	Upper
41	100		
69	70.8	59.1	88.7
39	50.9	40.4	60.6





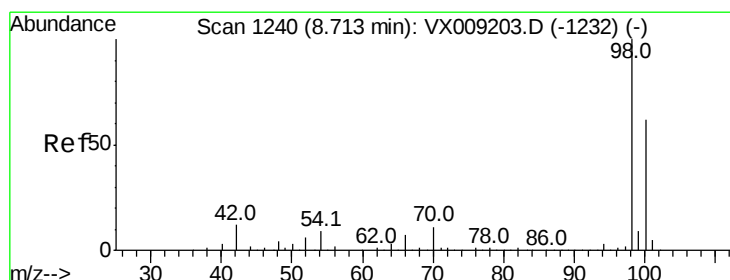
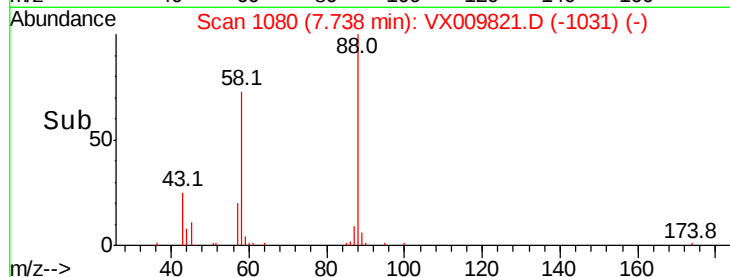
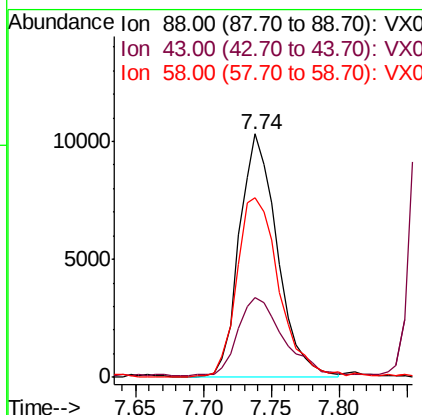
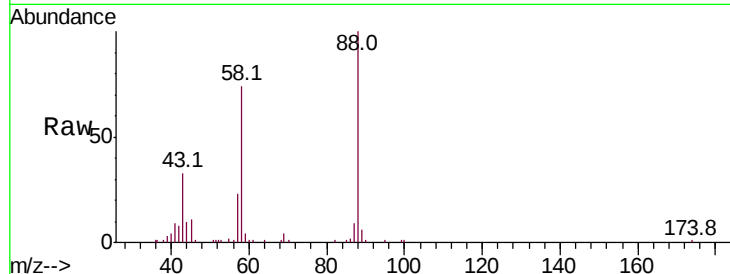
#49
1,4-Dioxane
Concen: 349.653 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009821.D
Acq: 22 May 2019 22:57

Instrument :
MSVOA_X
ClientSampleId :
VX0522MBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.1	28.6	42.8
58	82.9	61.7	92.5

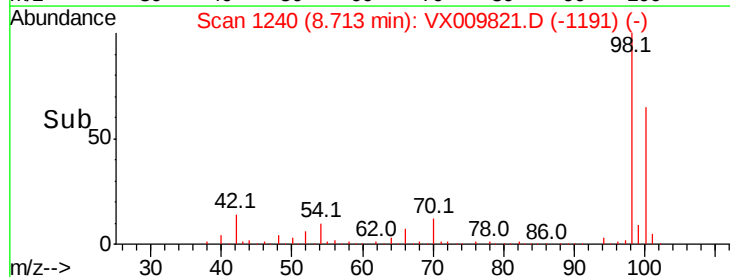
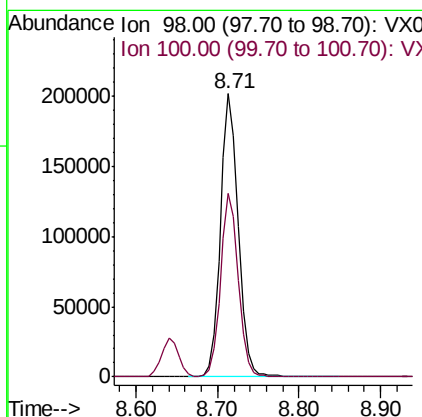
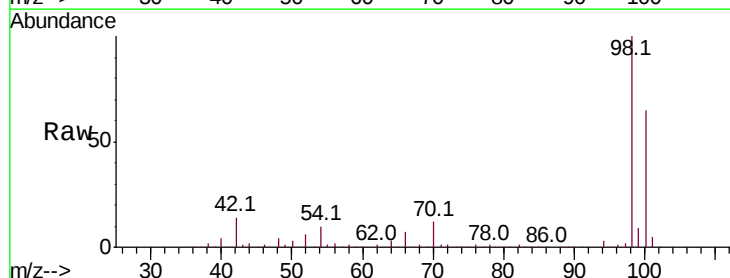
Manual Integrations
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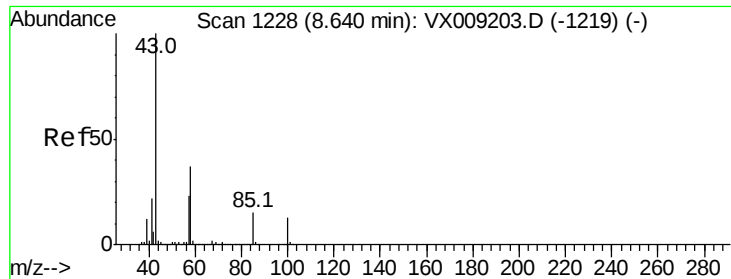
MMDadoda
5/23/2019 10:38:40 AM



#50
Toluene-d8
Concen: 43.772 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009821.D
Acq: 22 May 2019 22:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 93.242 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009821.D

Acq: 22 May 2019 22:57

Instrument :

MSVOA_X

ClientSampleId :

VX0522MBS02

Tot Ion: 43 Resp: 349681

Ion Ratio Lower Upper

43 100

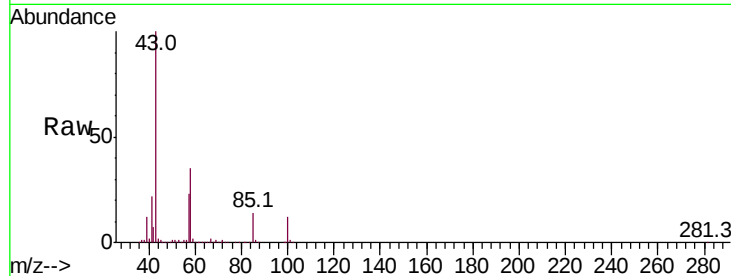
58 35.5 29.5 44.3

Manual Integrations

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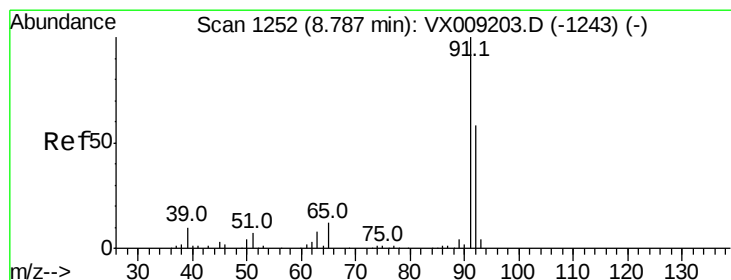
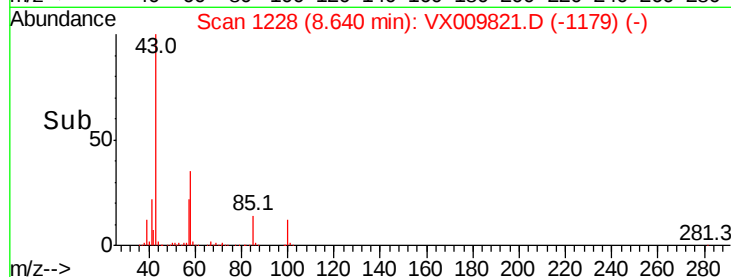
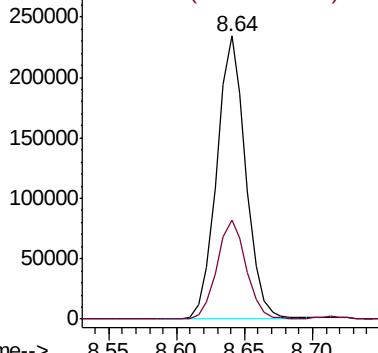
MMDadoda

5/23/2019 10:38:40 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 17.599 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009821.D

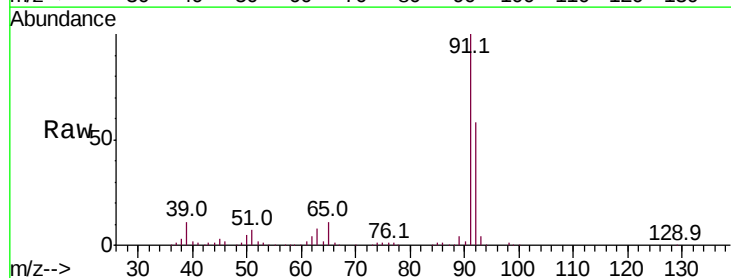
Acq: 22 May 2019 22:57

Tgt Ion: 92 Resp: 85239

Ion Ratio Lower Upper

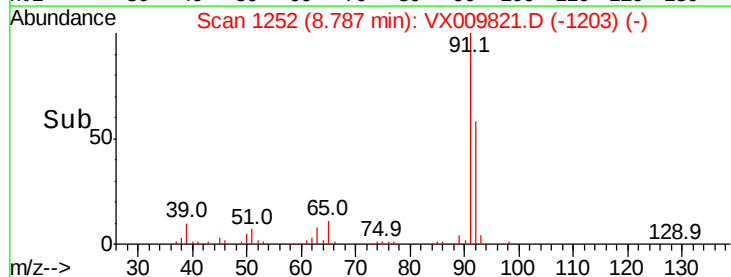
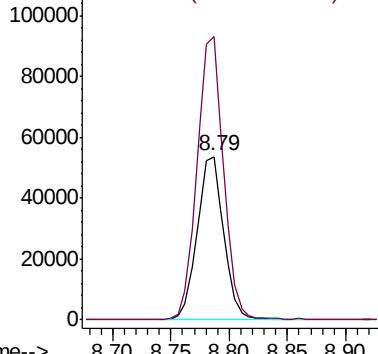
92 100

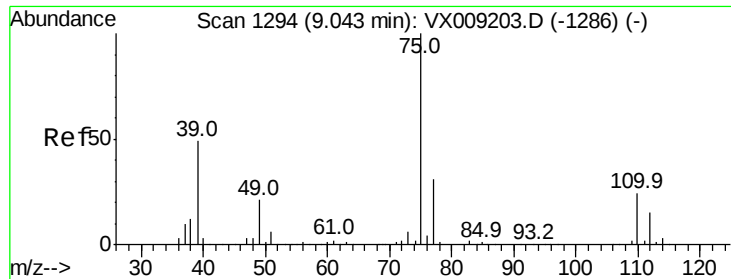
91 173.3 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





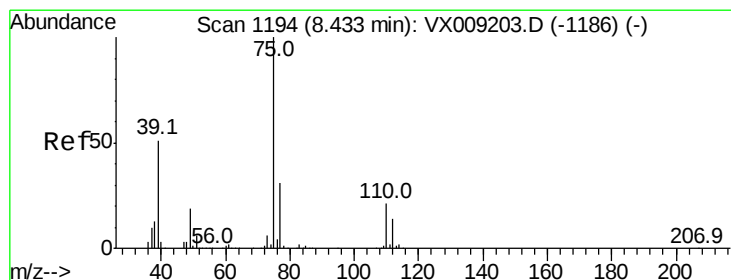
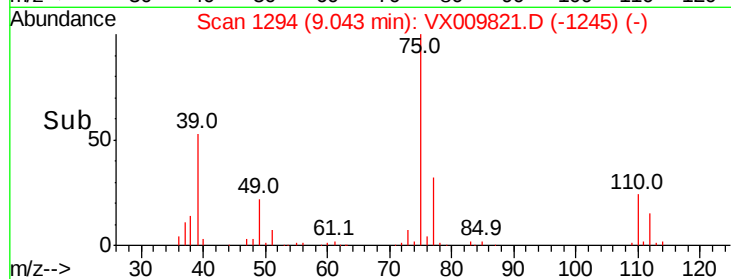
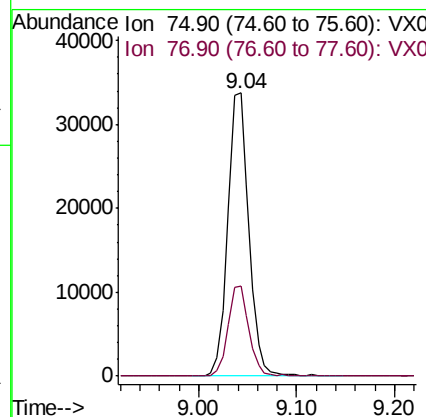
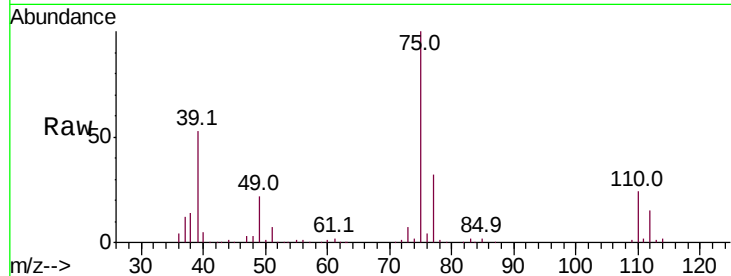
#53
 t-1,3-Dichloropropene
 Concen: 17.116 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX009821.D
 Acq: 22 May 2019 22:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522MBS02

Tot Ion: 75 Resp: 50502
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.0 37.6

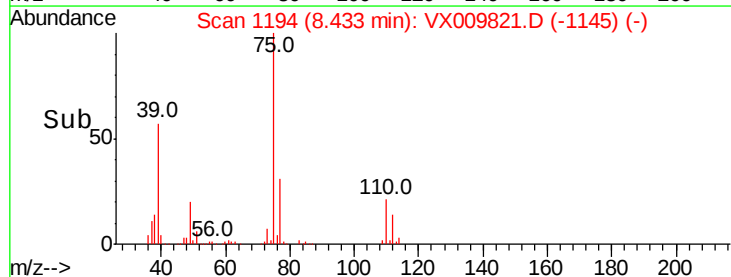
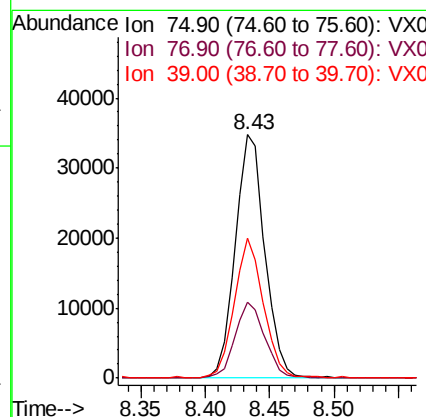
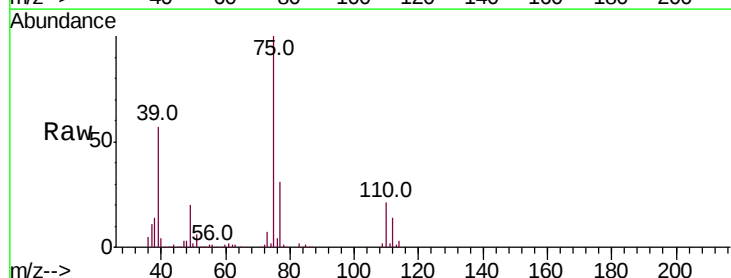
Manual Integrations
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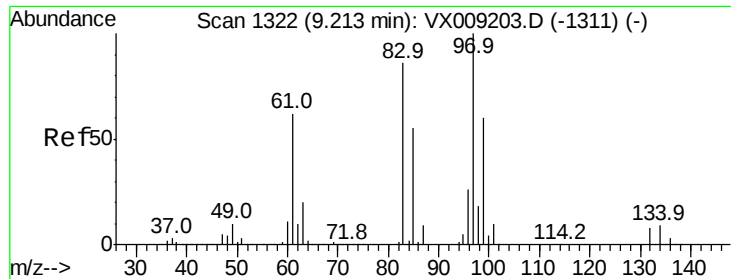
MMDadoda
 5/23/2019 10:38:40 AM



#54
 cis-1,3-Dichloropropene
 Concen: 17.076 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX009821.D
 Acq: 22 May 2019 22:57

Tgt Ion: 75 Resp: 55766
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.6 36.8
 39 57.4 40.6 60.8





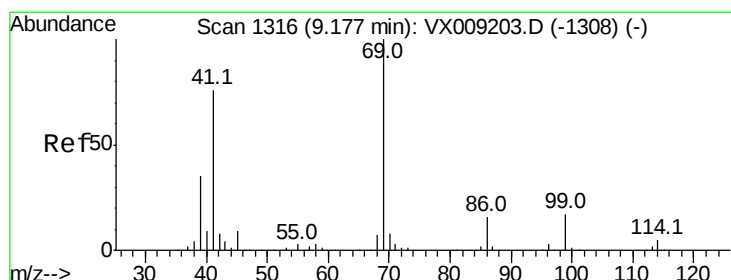
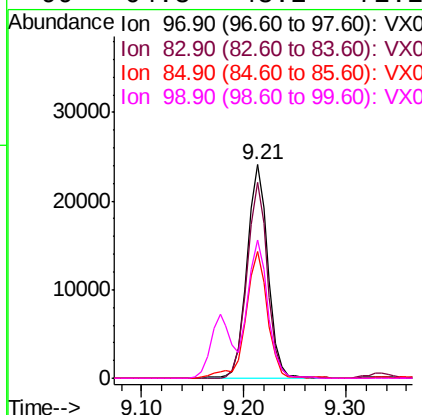
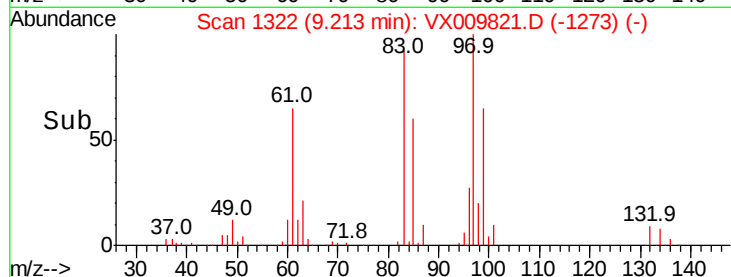
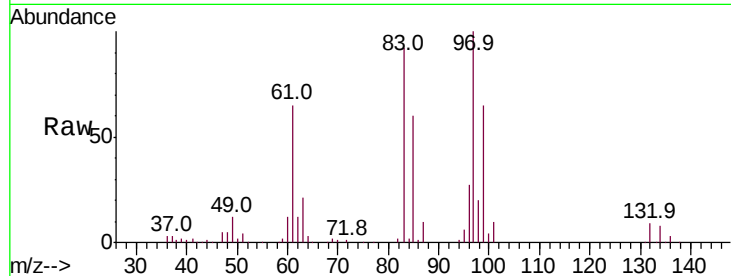
#55
1,1,2-Trichloroethane
Concen: 17.570 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX009821.D
Acq: 22 May 2019 22:57

Instrument :
MSVOA_X
ClientSampleId :
VX0522MBSD02

Tot Ion	97	Resp:	34718
Ion	Ratio	Lower	Upper
97	100		
83	91.6	68.9	103.3
85	59.5	43.8	65.6
99	64.8	48.2	72.2

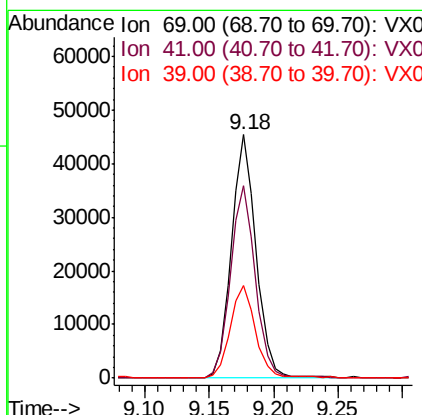
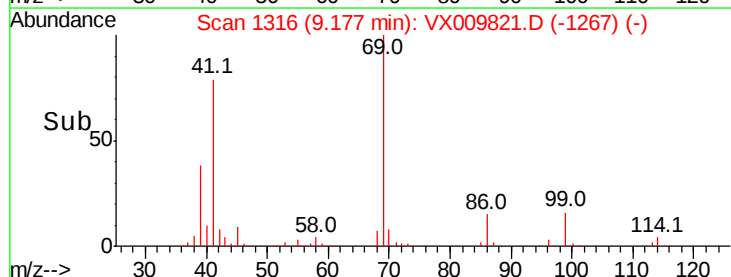
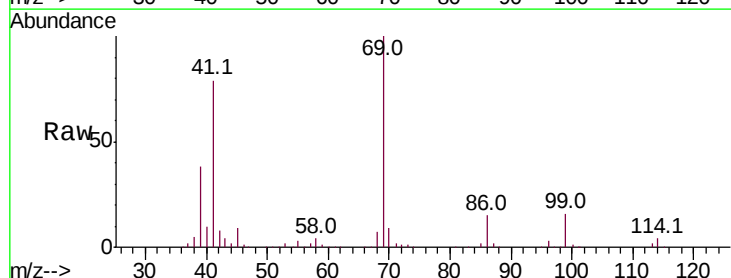
Manual Integrations
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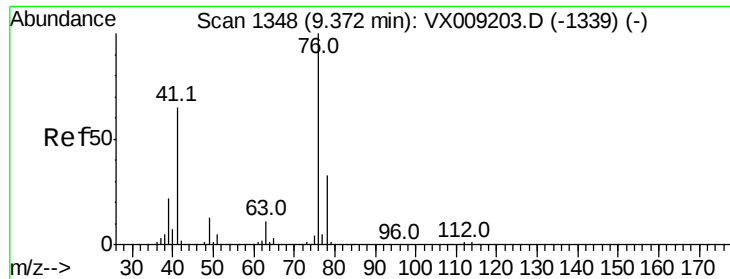
MMDadoda
5/23/2019 10:38:40 AM



#56
Ethyl methacrylate
Concen: 17.273 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VX009821.D
Acq: 22 May 2019 22:57

Tgt Ion	69	Resp:	60926
Ion	Ratio	Lower	Upper
69	100		
41	79.6	60.6	90.8
39	38.3	28.2	42.4





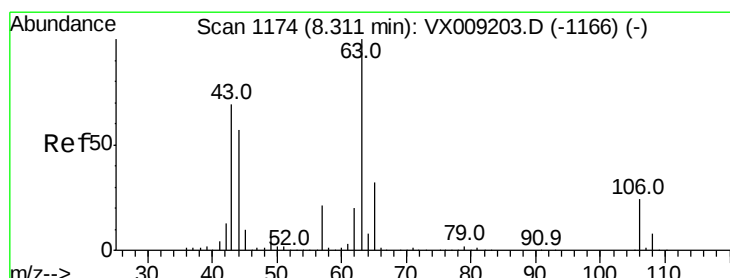
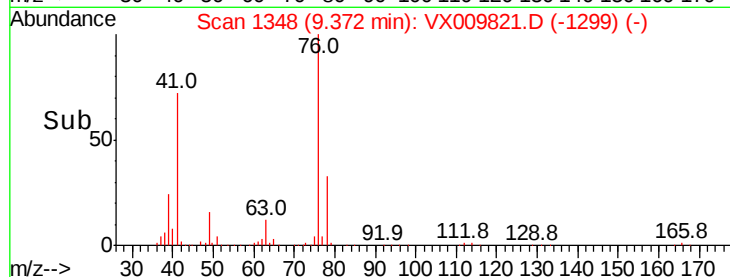
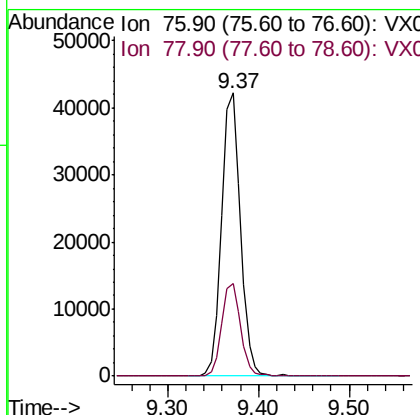
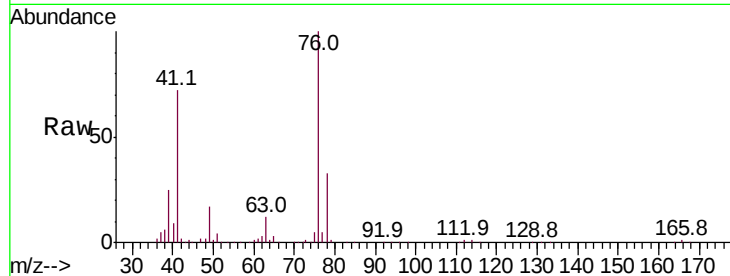
#57
 1,3-Dichloropropane
 Concen: 17.650 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX009821.D
 Acq: 22 May 2019 22:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522MBSD02

Tot Ion: 76 Resp: 61371
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.5 38.3

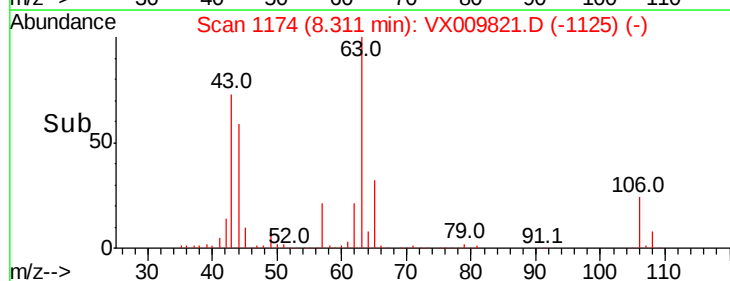
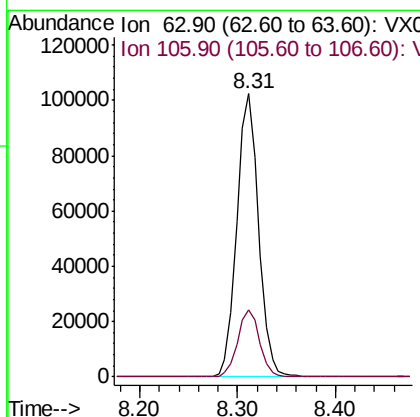
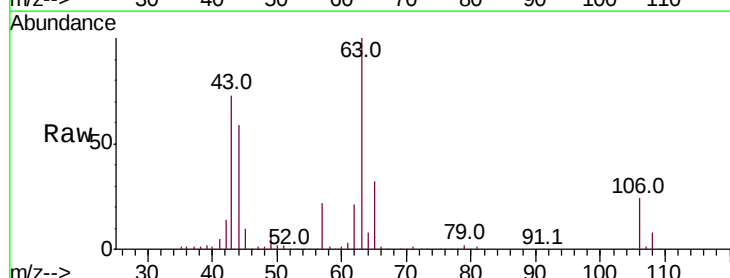
Manual Integrations
 APPROVED

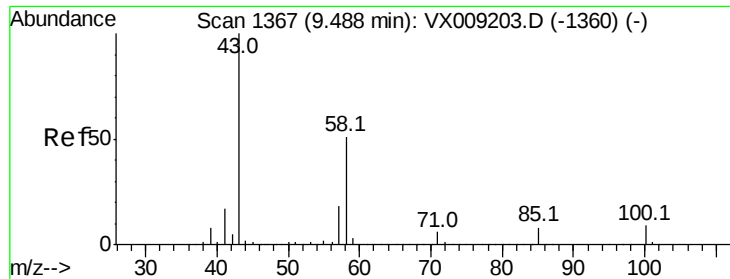
MMDadoda
 5/23/2019 10:38:40 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 84.512 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX009821.D
 Acq: 22 May 2019 22:57

Tgt Ion: 63 Resp: 158135
 Ion Ratio Lower Upper
 63 100
 106 24.1 19.7 29.5





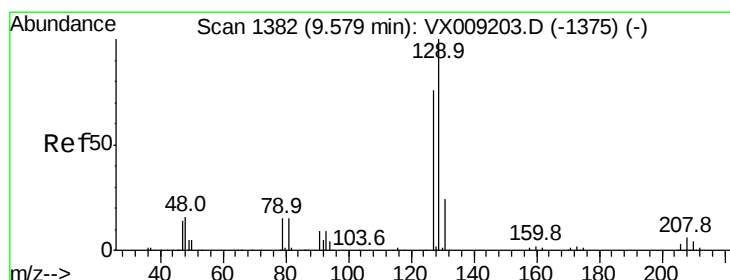
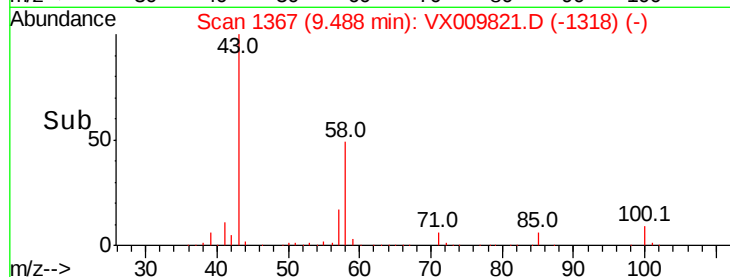
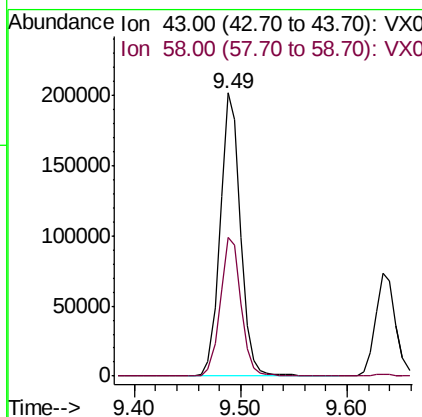
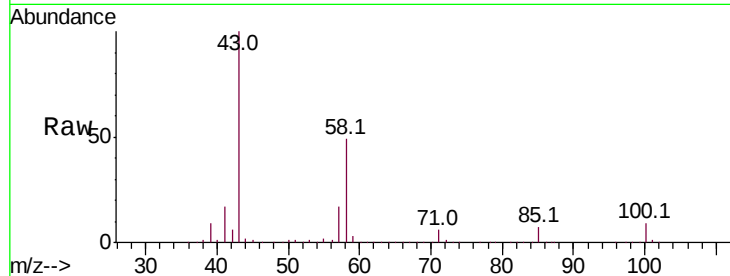
#59
2-Hexanone
Concen: 90.892 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009821.D
Acq: 22 May 2019 22:57

Instrument :
MSVOA_X
ClientSampleId :
VX0522MBSD02

Tot Ion: 43 Resp: 267713
Ion Ratio Lower Upper
43 100
58 50.1 25.9 77.7

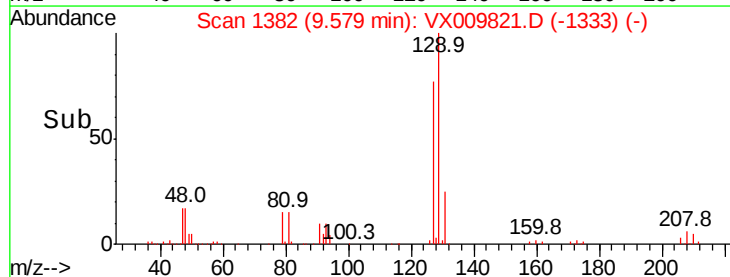
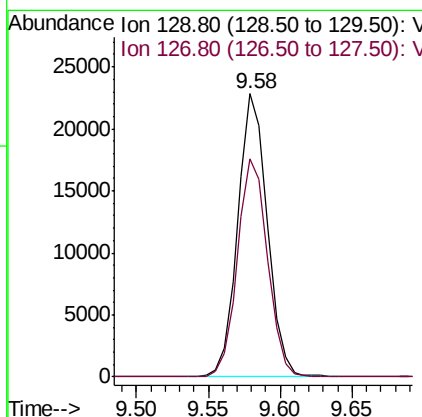
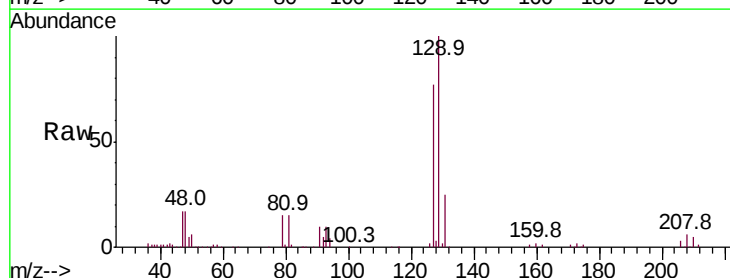
Manual Integrations
APPROVED

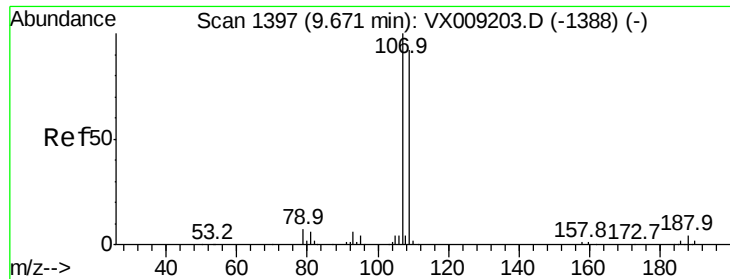
MMDadoda
5/23/2019 10:38:40 AM



#60
Dibromochloromethane
Concen: 16.872 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009821.D
Acq: 22 May 2019 22:57

Tgt Ion: 129 Resp: 32560
Ion Ratio Lower Upper
129 100
127 78.4 38.4 115.1





#61

1,2-Dibromoethane

Concen: 17.456 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009821.D

Acq: 22 May 2019 22:57

Instrument :

MSVOA_X

ClientSampleId :

VX0522MBSD02

Tot Ion:107 Resp: 34817

Ion Ratio Lower Upper

107 100

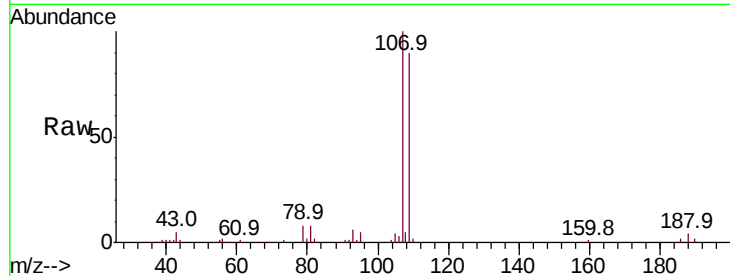
109 93.2 75.2 112.8

Manual Integrations

APPROVED

MMDadoda

5/23/2019 10:38:40 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

25000

20000

15000

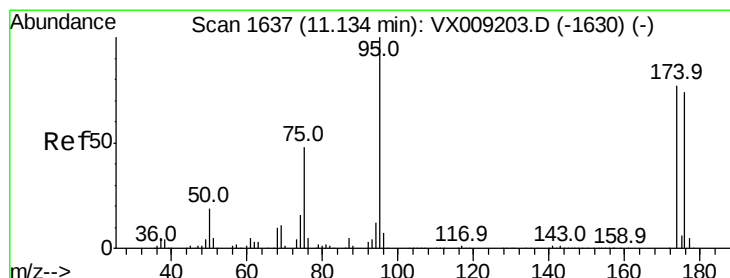
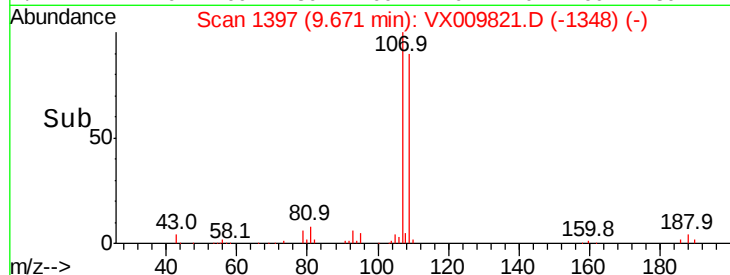
10000

5000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 42.580 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009821.D

Acq: 22 May 2019 22:57

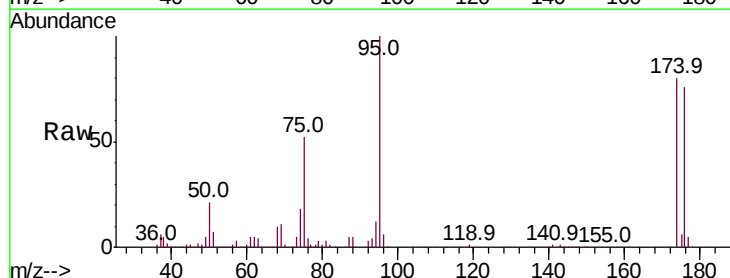
Tgt Ion: 95 Resp: 108783

Ion Ratio Lower Upper

95 100

174 82.5 0.0 161.6

176 79.0 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

60000

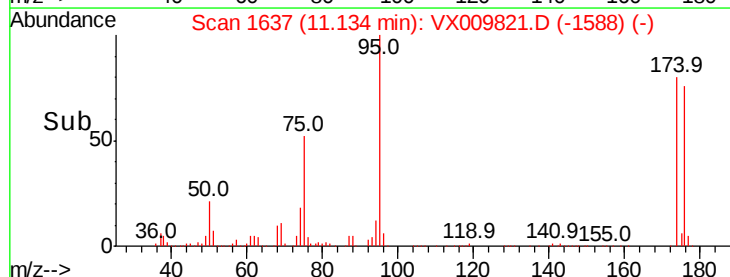
40000

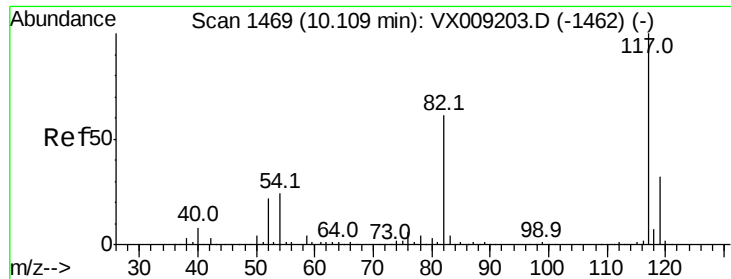
20000

0

11.05 11.10 11.15 11.20

Time-->





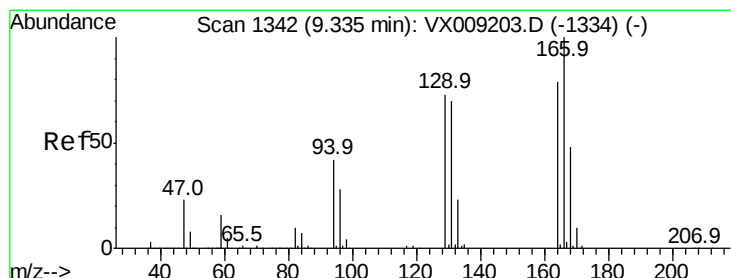
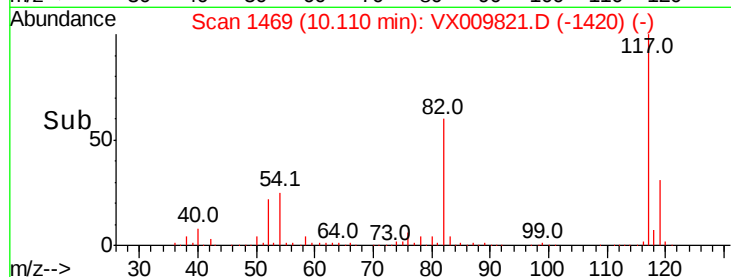
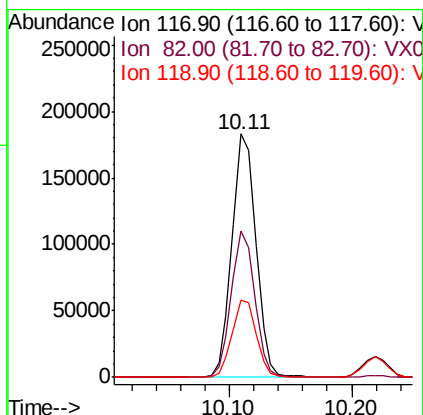
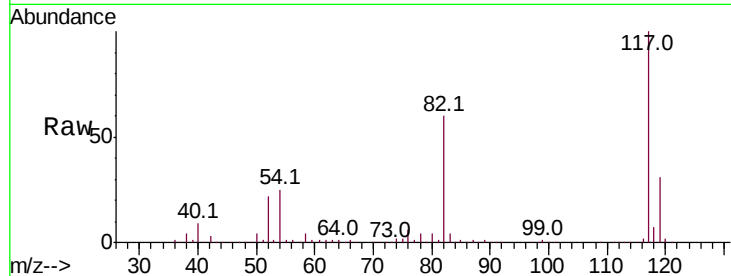
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009821.D
Acq: 22 May 2019 22:57

Instrument :
MSVOA_X
ClientSampleId :
VX0522MBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.3	48.8	73.2
119	31.5	25.8	38.6

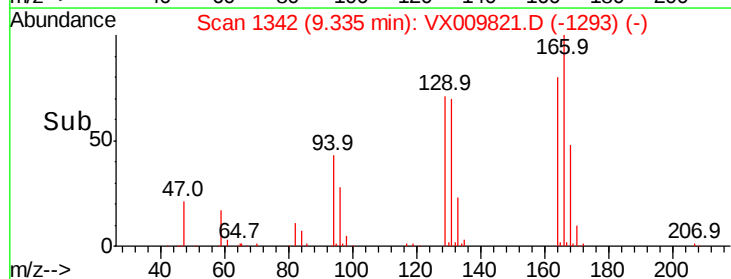
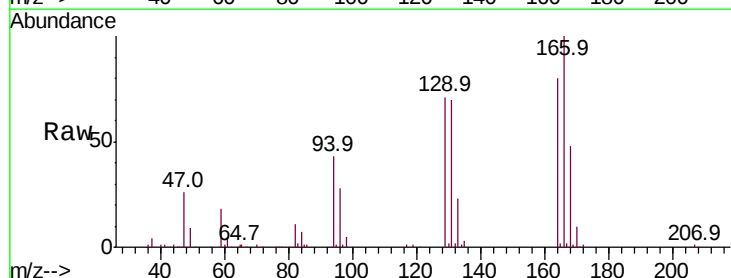
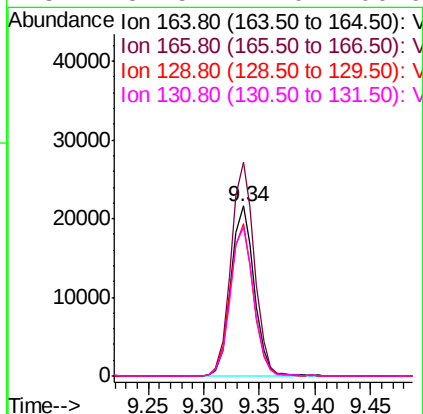
Manual Integrations
APPROVED

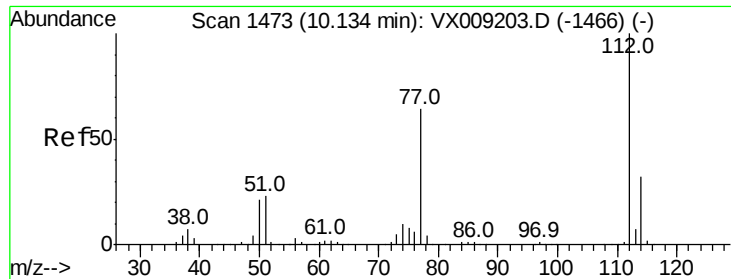
MMDadoda
5/23/2019 10:38:40 AM



#64
Tetrachloroethene
Concen: 18.344 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009821.D
Acq: 22 May 2019 22:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.6	101.2	151.8
129	89.3	74.3	111.5
131	87.5	71.0	106.6





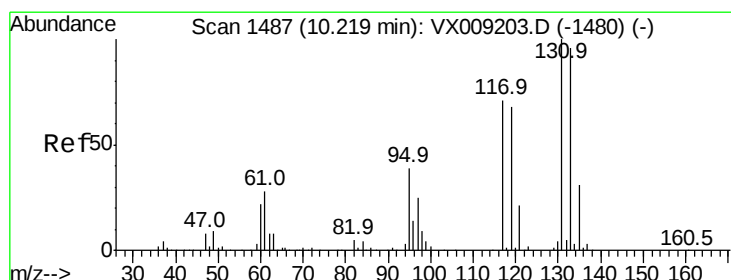
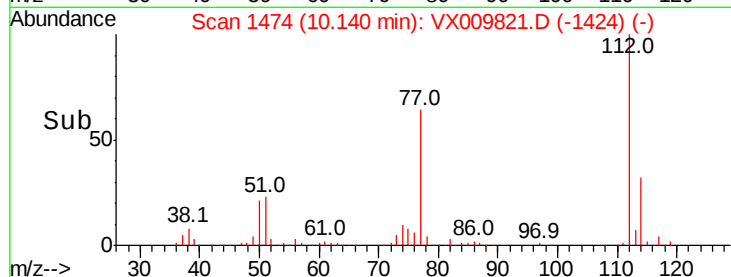
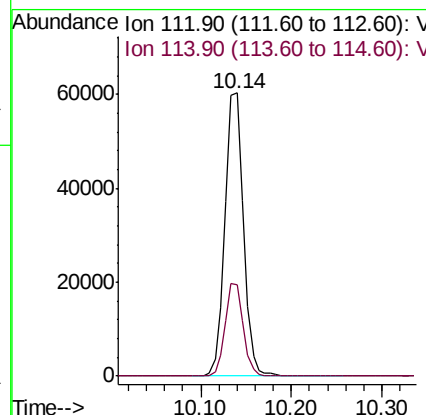
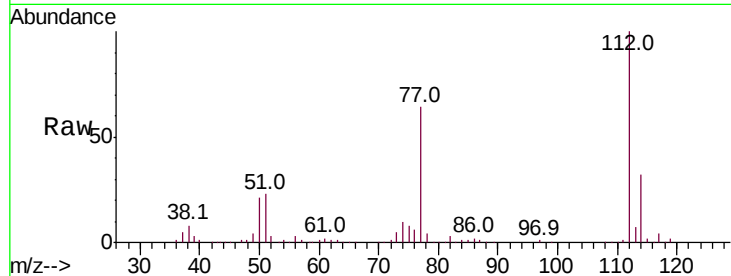
#65
Chlorobenzene
Concen: 17.426 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009821.D
Acq: 22 May 2019 22:57

Instrument :
MSVOA_X
ClientSampleId :
VX0522MBSD02

Tot Ion:112 Resp: 86604
Ion Ratio Lower Upper
112 100
114 32.3 25.5 38.3

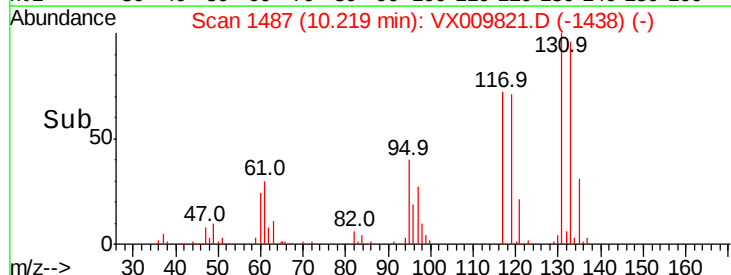
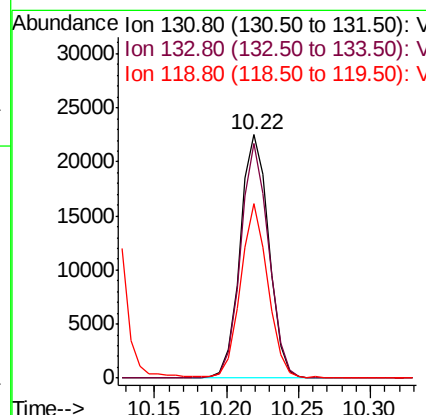
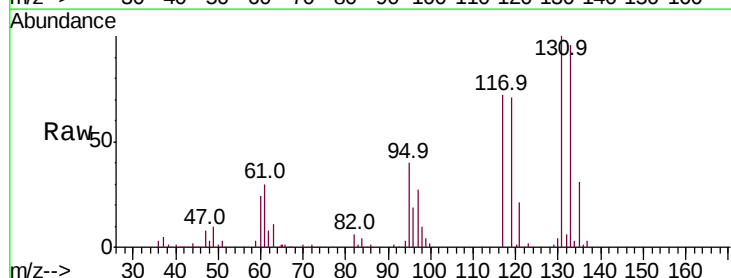
Manual Integrations
APPROVED

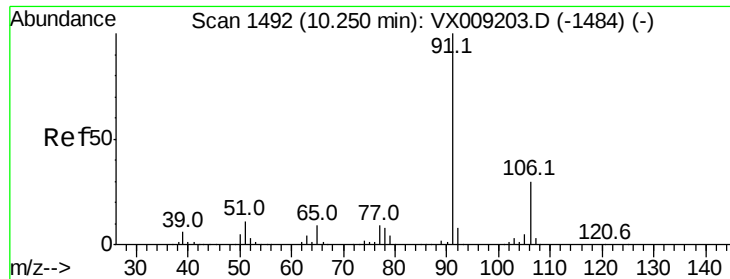
MMDadoda
5/23/2019 10:38:40 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 17.272 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009821.D
Acq: 22 May 2019 22:57

Tgt Ion:131 Resp: 31121
Ion Ratio Lower Upper
131 100
133 94.7 47.7 143.1
119 68.4 33.5 100.4





#67

Ethyl Benzene

Concen: 17.739 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009821.D

Acq: 22 May 2019 22:57

Instrument :

MSVOA_X

ClientSampleId :

VX0522MBS02

Tot Ion: 91 Resp: 162250

Ion Ratio Lower Upper

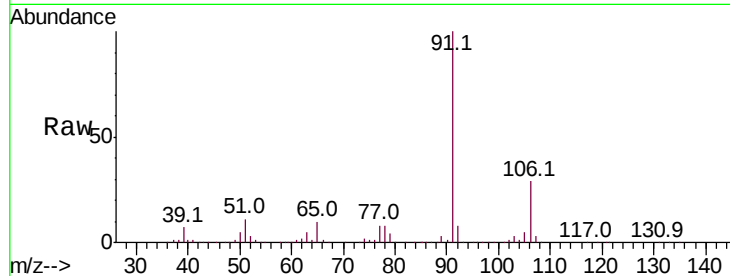
91 100

106 28.8 24.0 36.0

Manual Integrations
APPROVED

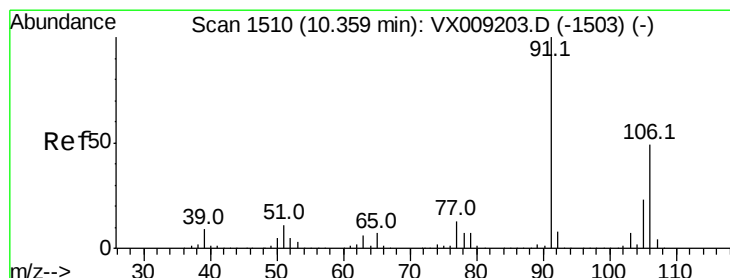
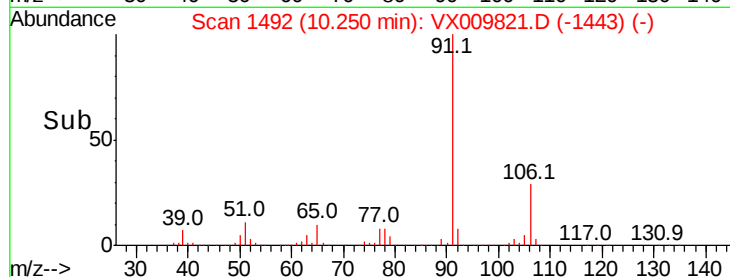
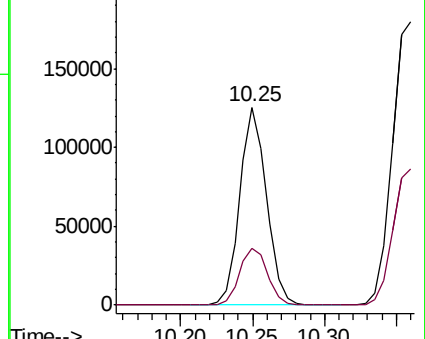
MMDadoda

5/23/2019 10:38:40 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 35.634 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009821.D

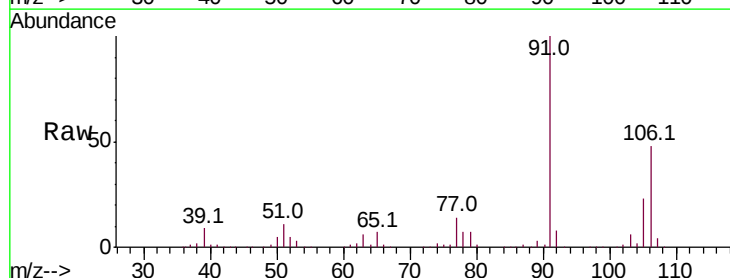
Acq: 22 May 2019 22:57

Tgt Ion:106 Resp: 119105

Ion Ratio Lower Upper

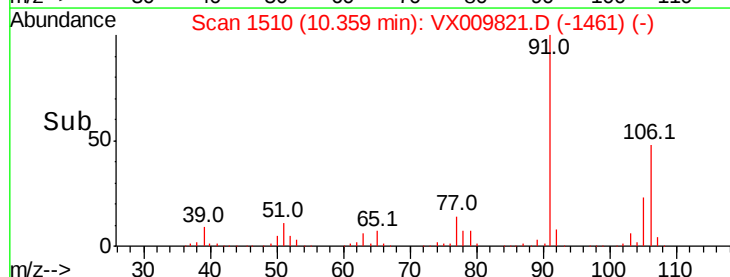
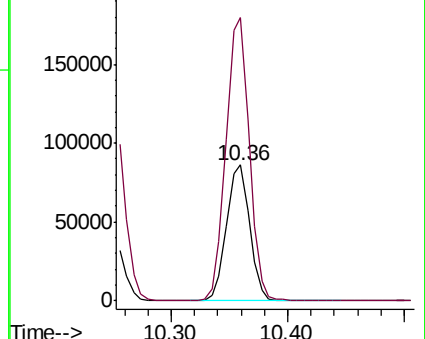
106 100

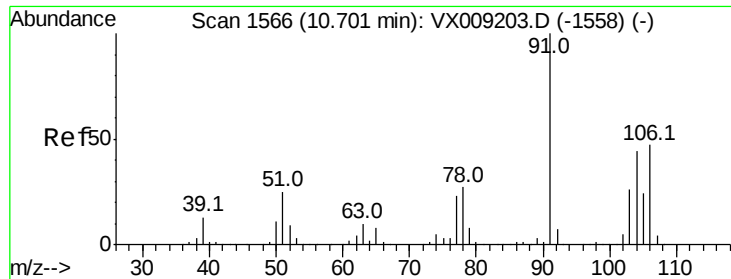
91 208.9 164.0 246.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





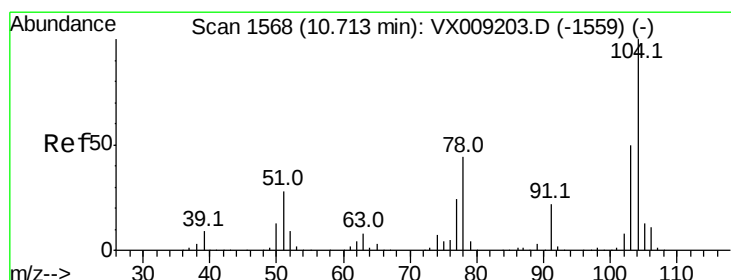
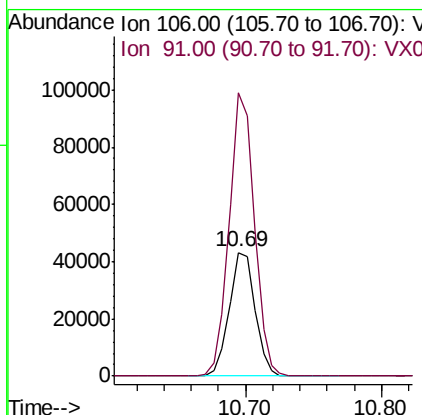
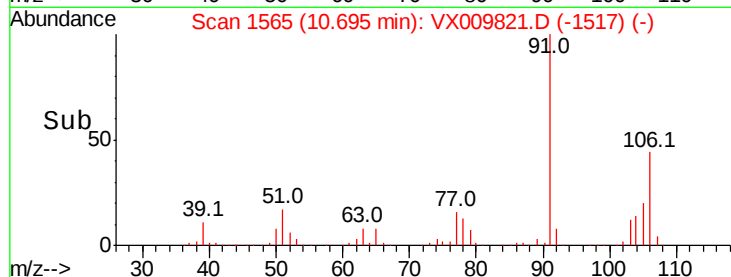
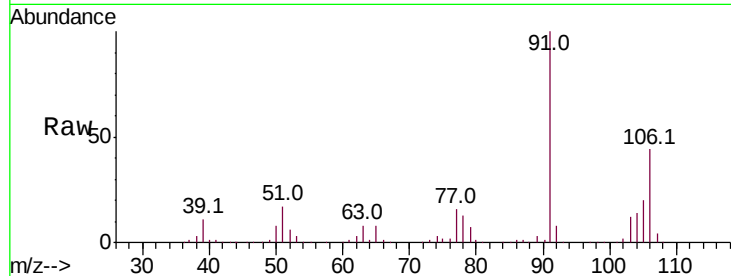
#69
o-Xylene
Concen: 17.329 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009821.D
Acq: 22 May 2019 22:57

Instrument :
MSVOA_X
ClientSampleID :
VX0522MBS02

Tot Ion:106 Resp: 57148
Ion Ratio Lower Upper
106 100
91 223.5 109.5 328.4

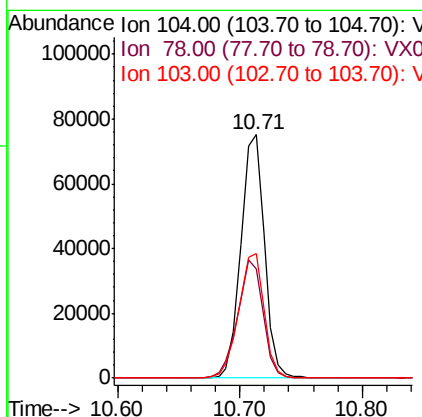
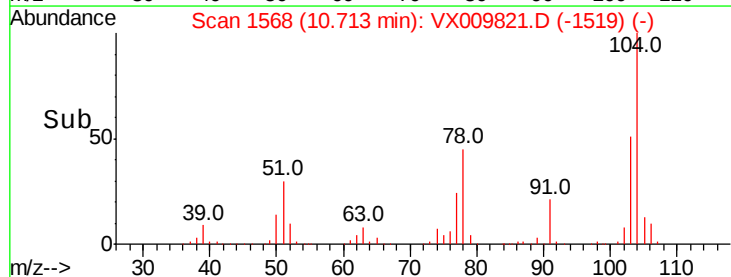
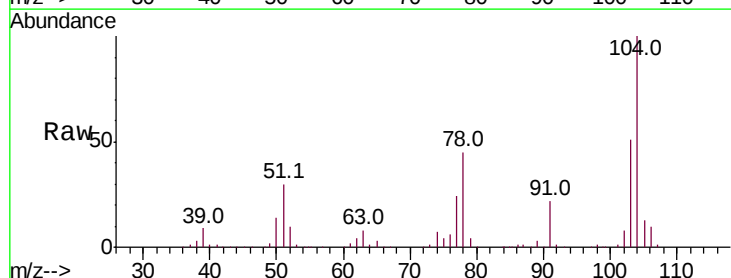
Manual Integrations
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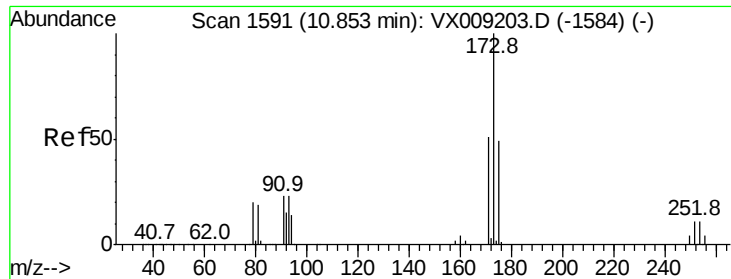
MMDadoda
5/23/2019 10:38:40 AM



#70
Styrene
Concen: 17.472 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009821.D
Acq: 22 May 2019 22:57

Tgt Ion:104 Resp: 100149
Ion Ratio Lower Upper
104 100
78 52.3 41.0 61.4
103 55.3 43.8 65.6





#71

Bromoform

Concen: 16.738 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009821.D

Acq: 22 May 2019 22:57

Instrument :

MSVOA_X

ClientSampleId :

VX0522MBS02

Tot Ion:173 Resp: 24508

Ion Ratio Lower Upper

173 100

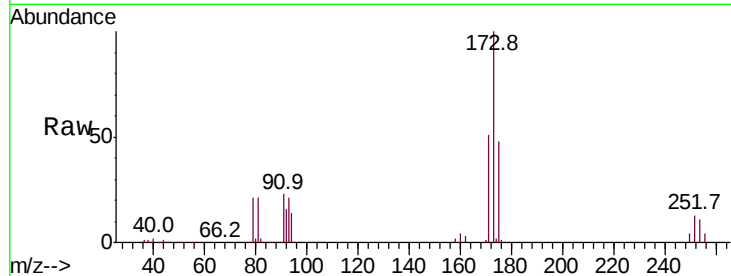
175 48.4 24.5 73.5

254 0.0 0.1 0.1#

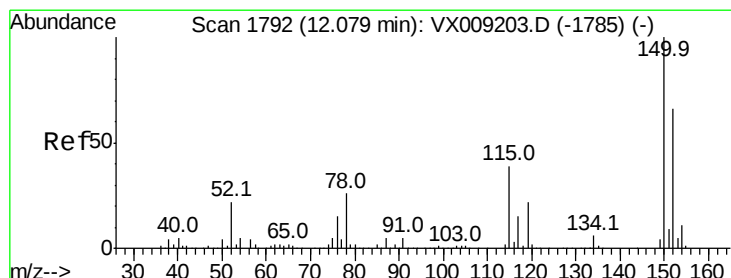
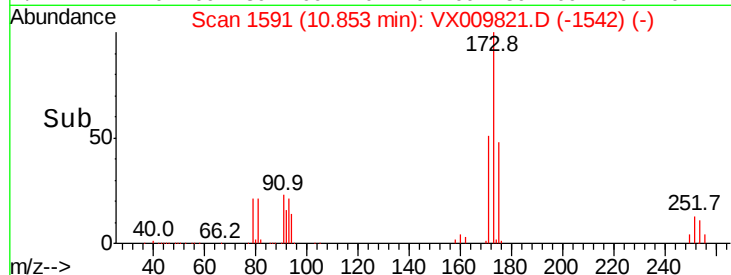
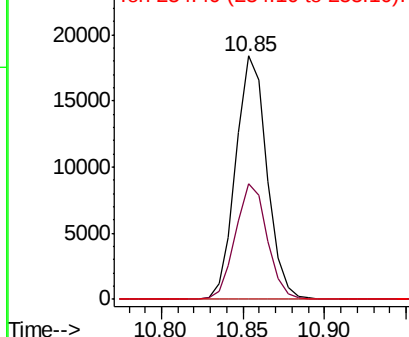
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
25000 Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009821.D

Acq: 22 May 2019 22:57

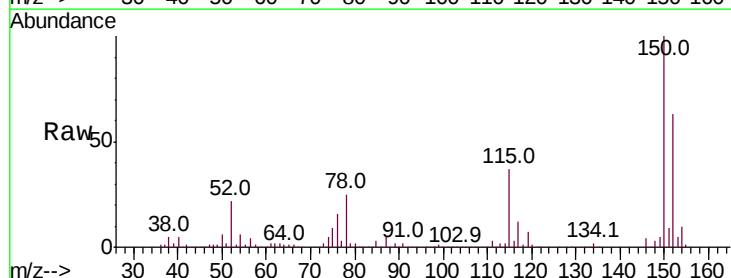
Tgt Ion:152 Resp: 118092

Ion Ratio Lower Upper

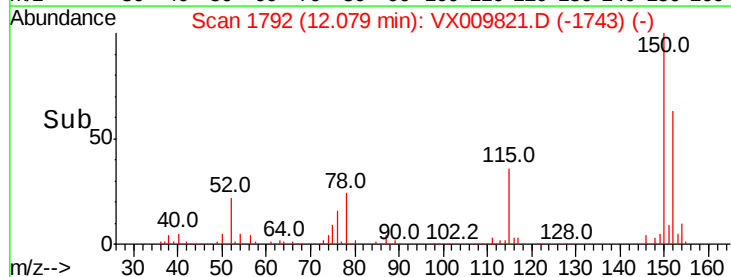
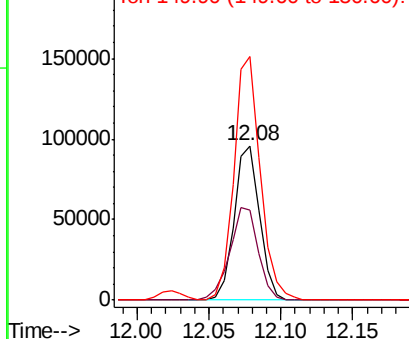
152 100

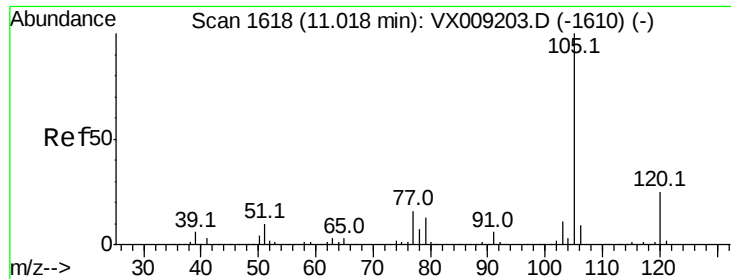
115 67.5 41.2 123.6

150 163.9 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
200000 Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.066 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009821.D

Acq: 22 May 2019 22:57

Instrument :

MSVOA_X

ClientSampleId :

VX0522MBS02

Tot Ion:105 Resp: 155146

Ion Ratio Lower Upper

105 100

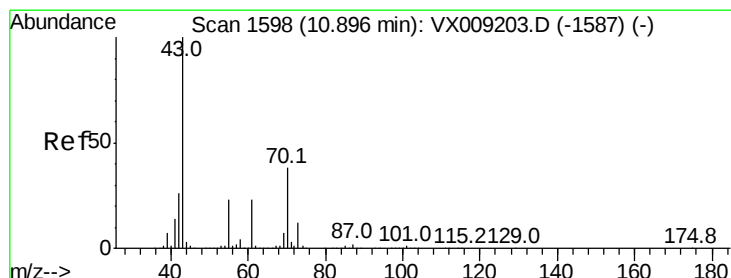
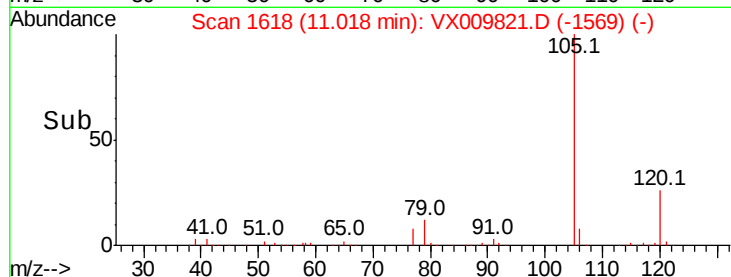
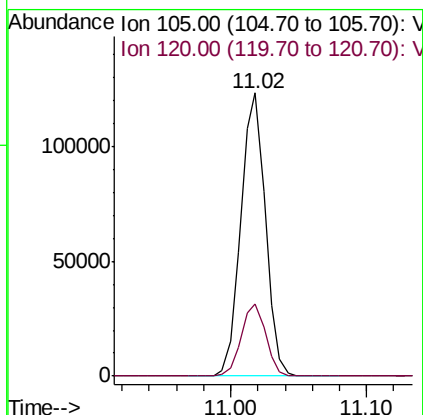
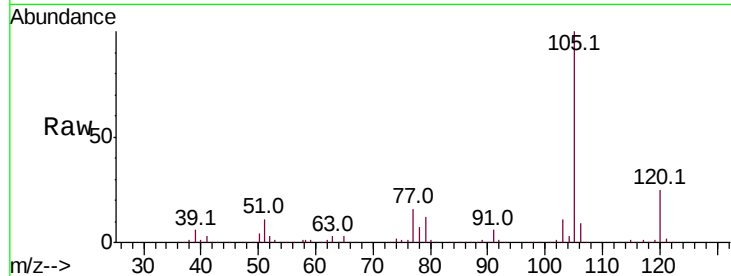
120 25.5 12.8 38.3

Manual Integrations

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MMDadoda

5/23/2019 10:38:40 AM



#74

N-ethyl acetate

Concen: 18.366 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009821.D

Acq: 22 May 2019 22:57

Tgt Ion: 43 Resp: 91950

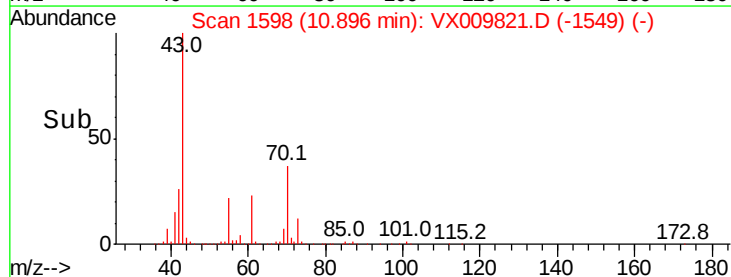
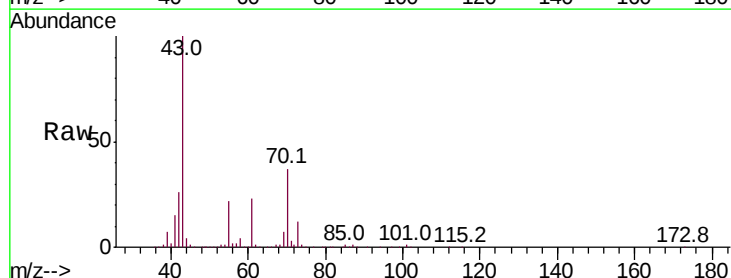
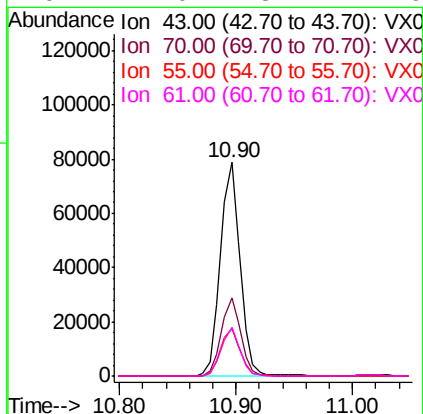
Ion Ratio Lower Upper

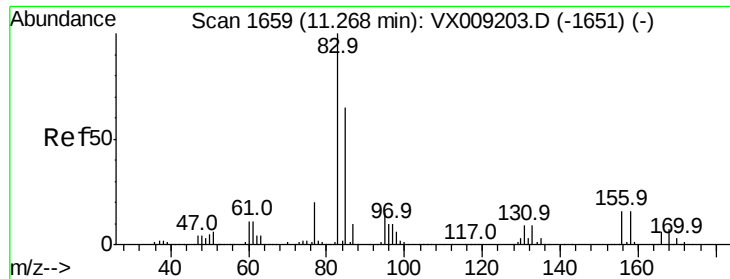
43 100

70 36.4 30.0 45.0

55 22.4 17.9 26.9

61 22.0 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 17.741 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009821.D

Acq: 22 May 2019 22:57

Instrument :

MSVOA_X

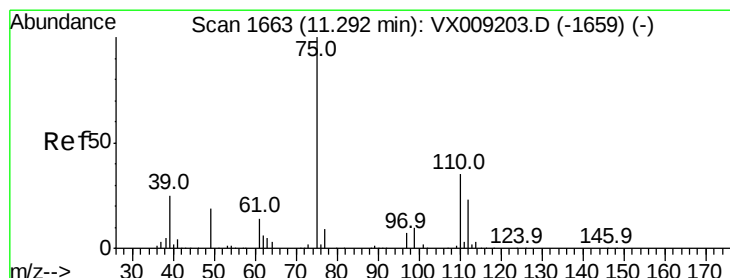
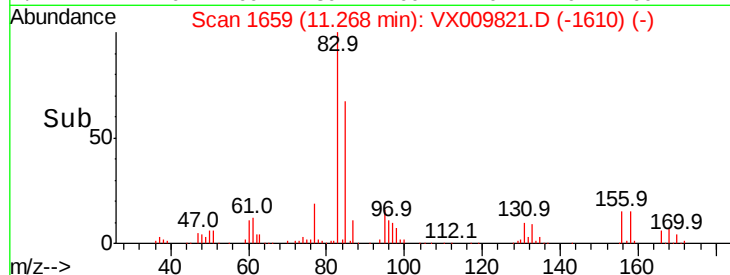
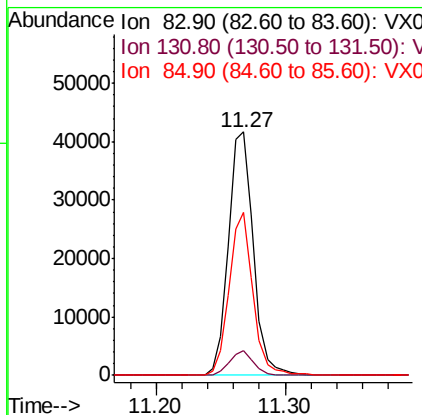
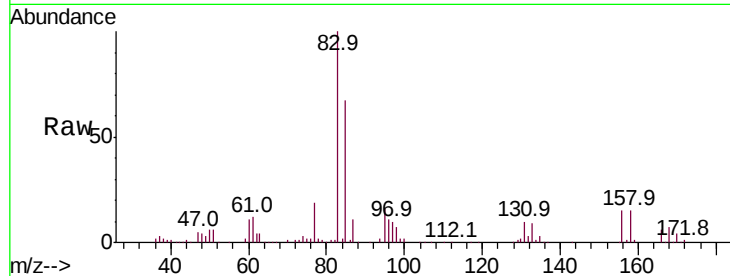
ClientSampleId :

VX0522MBS02

Tot Ion:	83	Resp:	56793
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.6	13.8
85	63.7	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.980 ug/l m

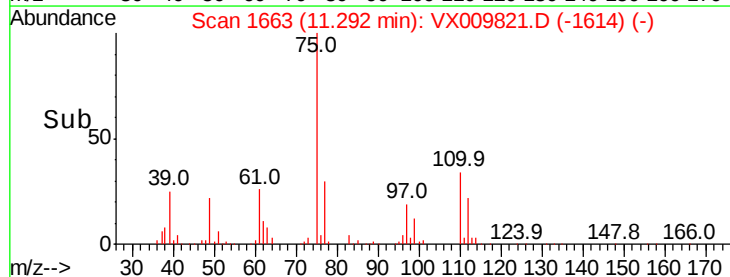
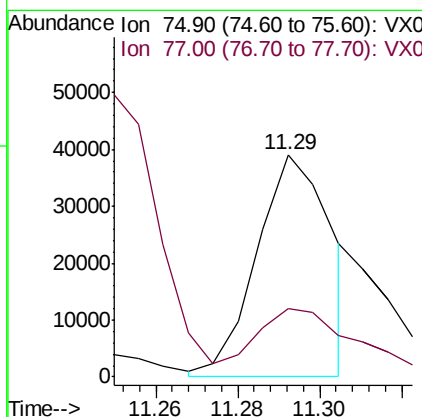
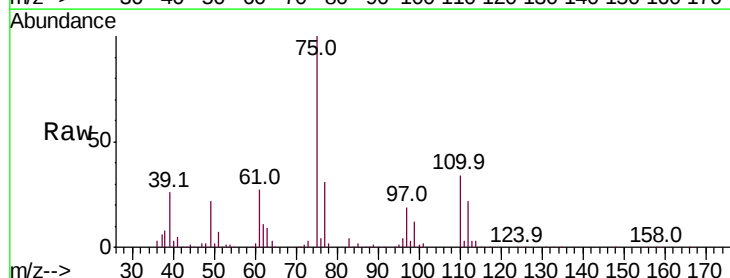
RT: 11.29 min Scan# 1663

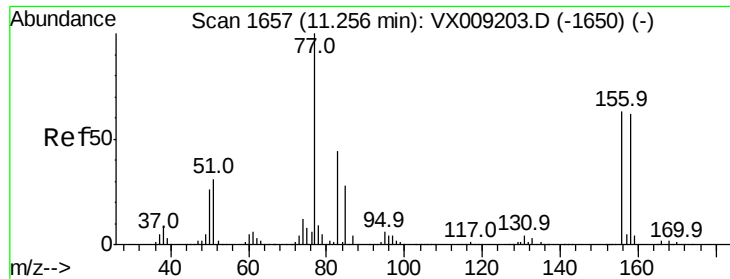
Delta R.T. 0.00 min

Lab File: VX009821.D

Acq: 22 May 2019 22:57

Tgt Ion:	75	Resp:	49253
Ion Ratio	Lower	Upper	
75	100		
77	41.9	22.1	66.1





#77

Bromobenzene

Concen: 17.610 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009821.D

Acq: 22 May 2019 22:57

Instrument :

MSVOA_X

ClientSampleId :

VX0522MBSD02

Tot Ion:156 Resp: 37534

Ion Ratio Lower Upper

156 100

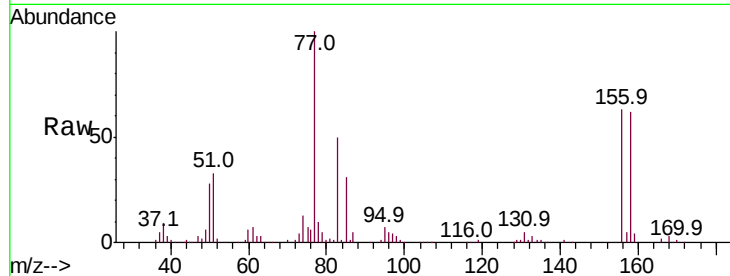
77 172.2 84.8 254.3

158 97.4 49.1 147.3

Manual Integrations
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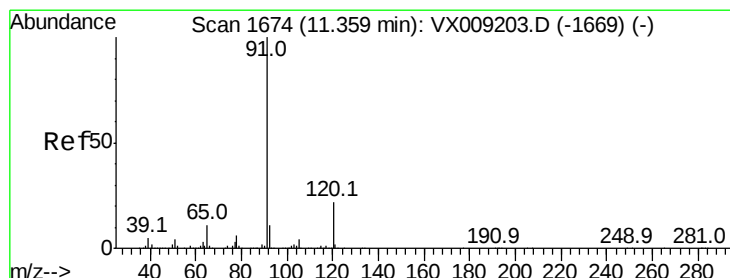
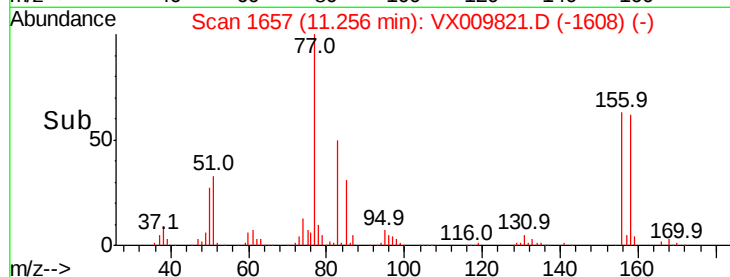
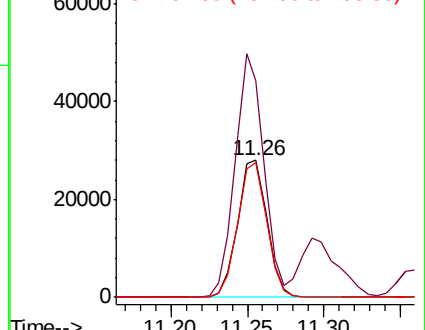
5/23/2019 10:38:40 AM



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: 18.062 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009821.D

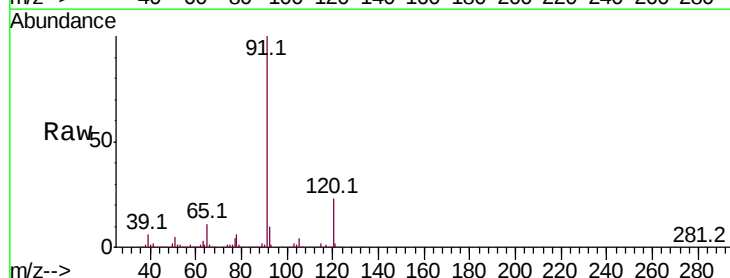
Acq: 22 May 2019 22:57

Tgt Ion: 91 Resp: 177142

Ion Ratio Lower Upper

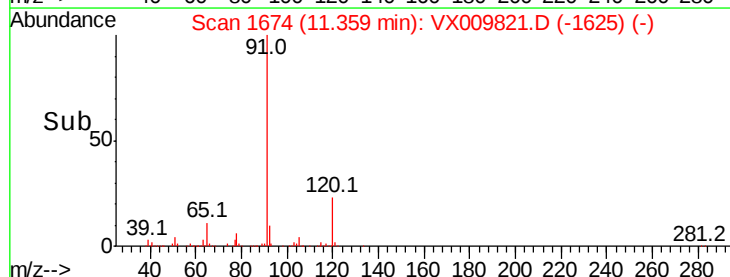
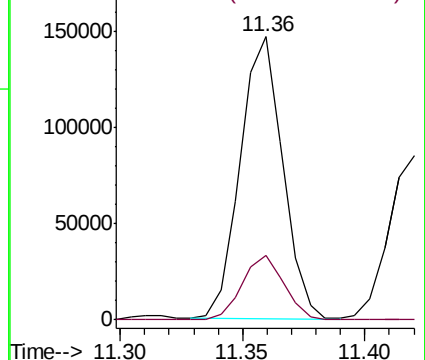
91 100

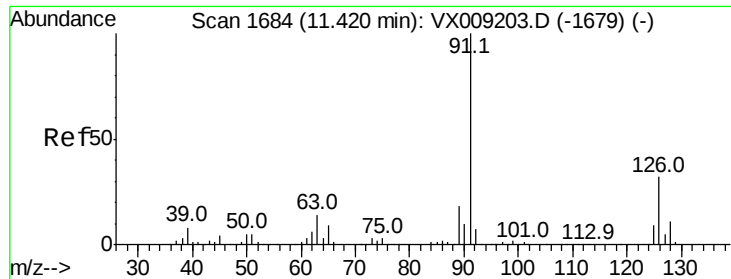
120 22.4 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.744 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009821.D

Acq: 22 May 2019 22:57

Instrument :

MSVOA_X

ClientSampleId :

VX0522MBSD02

Tot Ion: 91 Resp: 107364

Ion Ratio Lower Upper

91 100

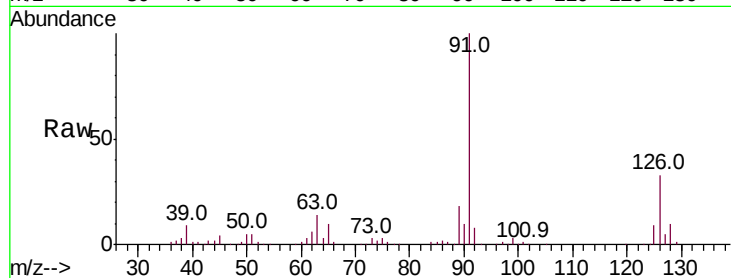
126 33.3 16.3 48.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX009203.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX009203.D (-1679) (-)

150000

100000

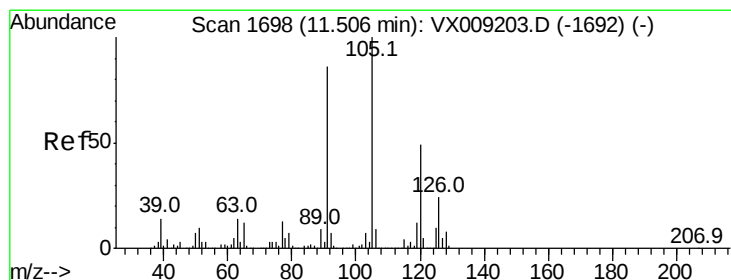
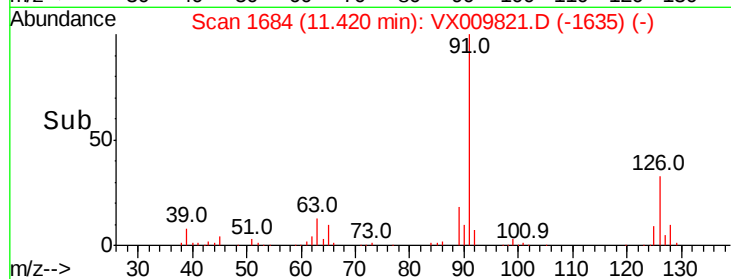
50000

0

11.42

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 17.913 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009821.D

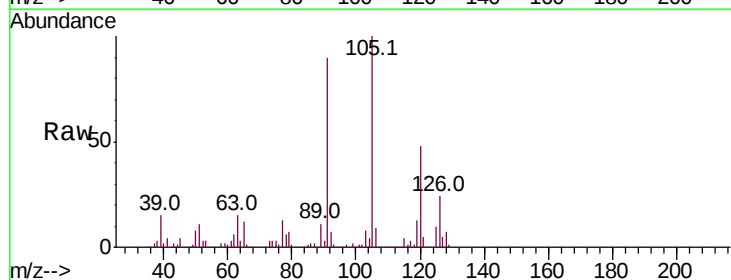
Acq: 22 May 2019 22:57

Tgt Ion:105 Resp: 129522

Ion Ratio Lower Upper

105 100

120 47.5 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009203.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX009203.D (-1692) (-)

120000

100000

80000

60000

40000

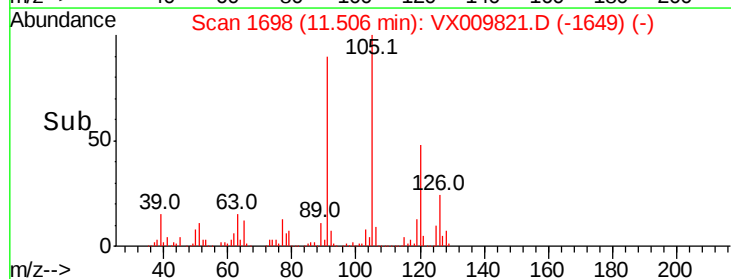
20000

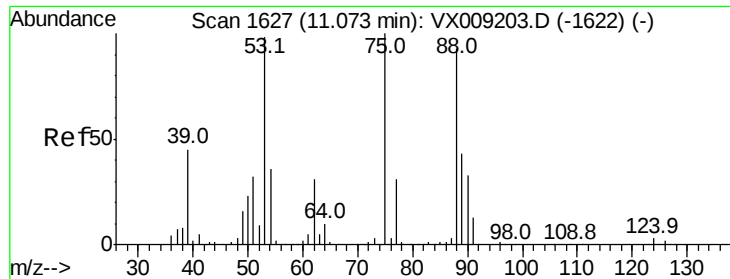
0

11.51

11.55

Time-->





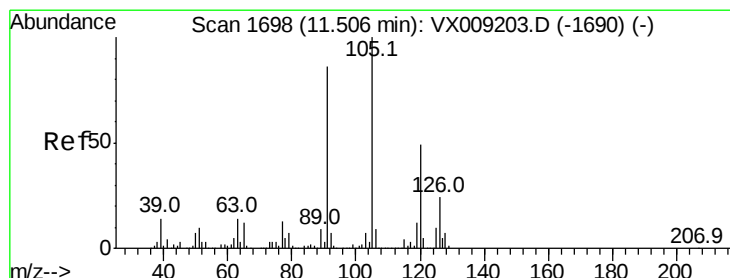
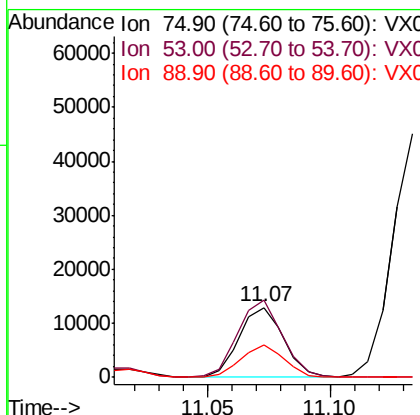
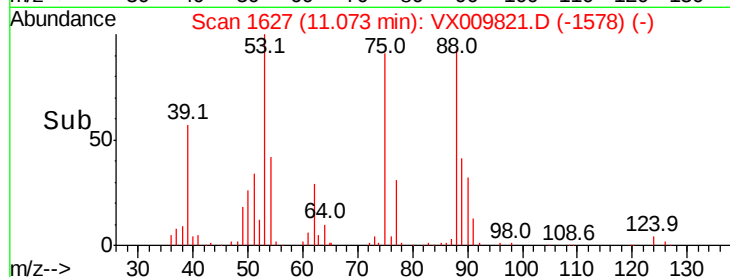
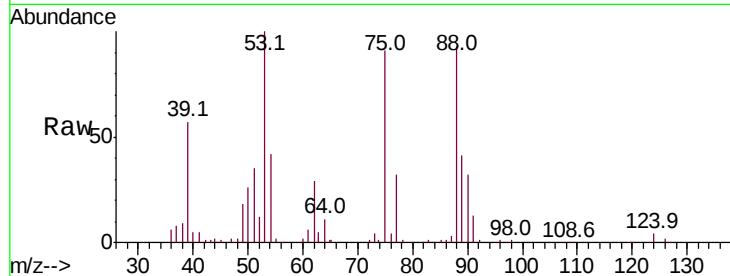
#81
trans-1,4-Dichloro-2-butene
Concen: 15.217 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX009821.D
Acq: 22 May 2019 22:57

Instrument :
MSVOA_X
ClientSampleId :
VX0522MBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.6	79.0	118.6
89	45.9	34.7	52.1

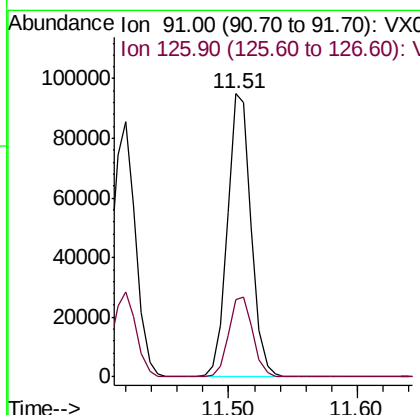
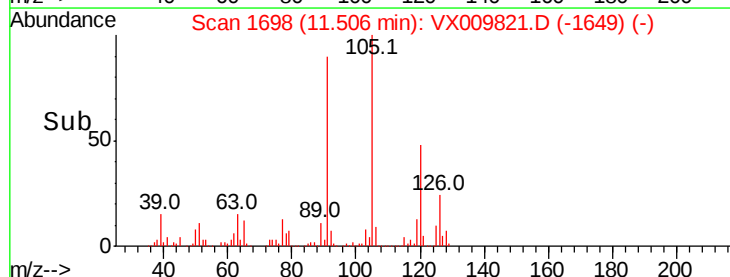
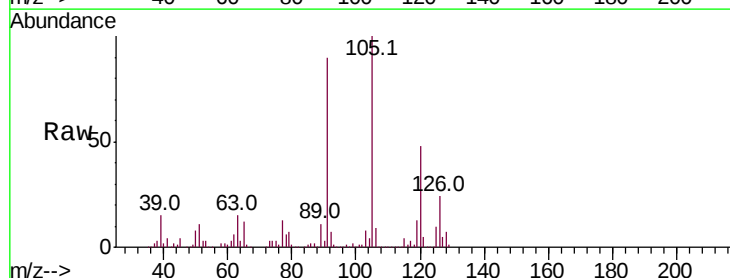
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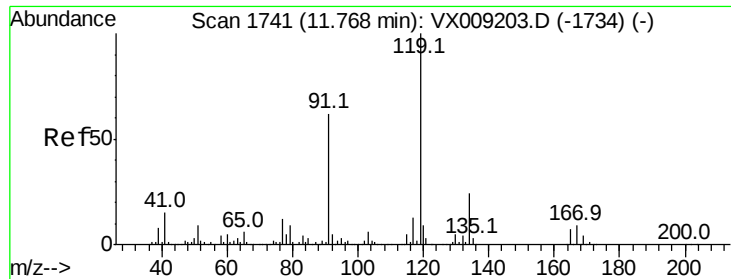
MMDadoda
5/23/2019 10:38:40 AM



#82
4-Chlorotoluene
Concen: 17.843 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX009821.D
Acq: 22 May 2019 22:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.5	43.6





#83

tert-Butylbenzene

Concen: 17.624 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX009821.D

Acq: 22 May 2019 22:57

Instrument :

MSVOA_X

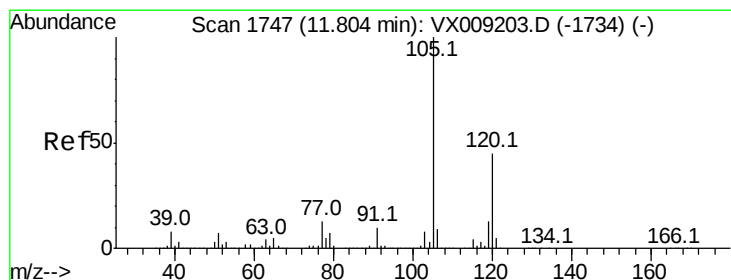
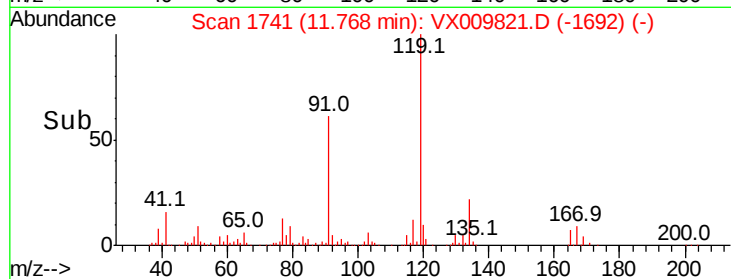
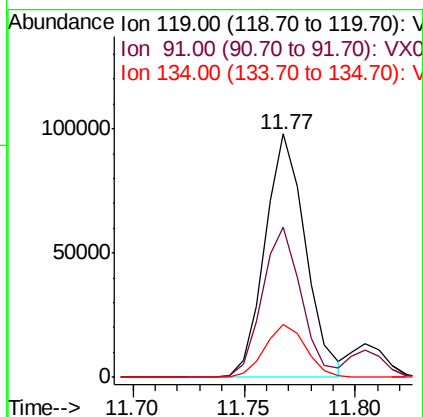
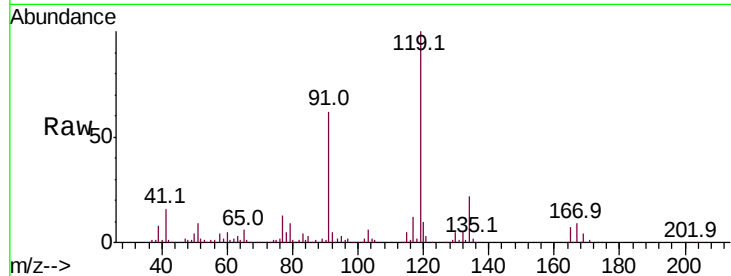
ClientSampleId :

VX0522MBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	123969		
91	59.9	29.5	88.5	
134	22.2	11.4	34.1	

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#84

1,2,4-Trimethylbenzene

Concen: 18.108 ug/l

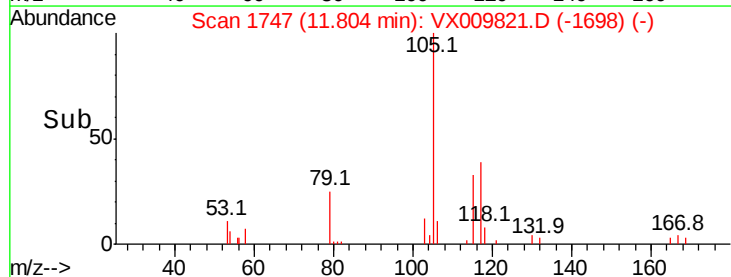
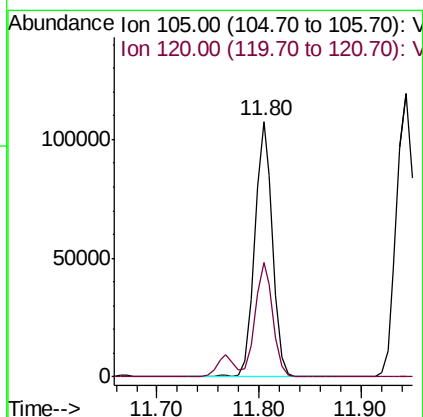
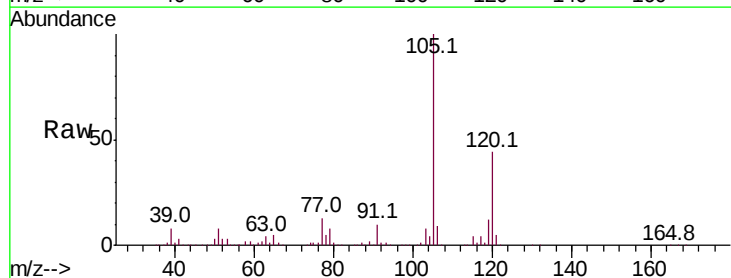
RT: 11.80 min Scan# 1747

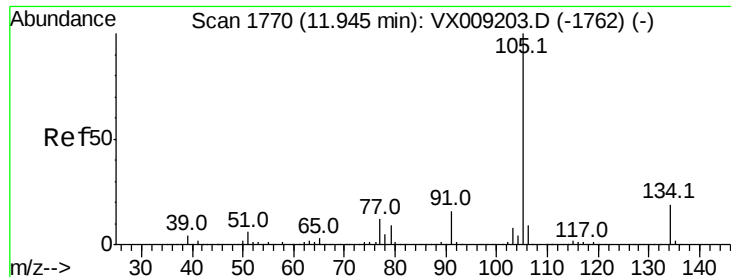
Delta R.T. 0.00 min

Lab File: VX009821.D

Acq: 22 May 2019 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	131424		
120	44.8	22.0	66.0	





#85

sec-Butylbenzene

Concen: 17.552 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009821.D

Acq: 22 May 2019 22:57

Instrument :

MSVOA_X

ClientSampled :

VX0522MBS02

Tot Ion:105 Resp: 146376

Ion Ratio Lower Upper

105 100

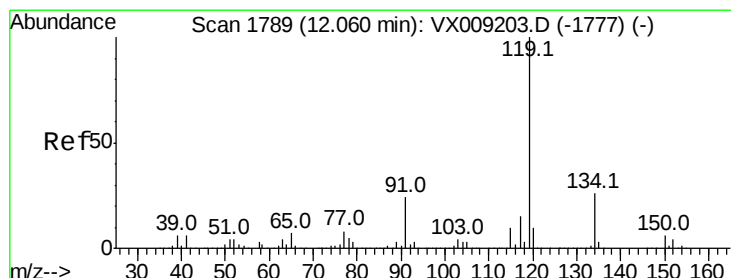
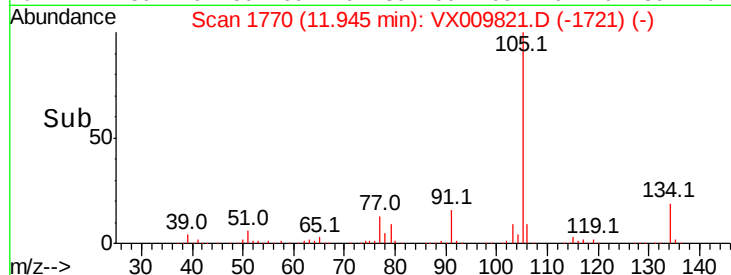
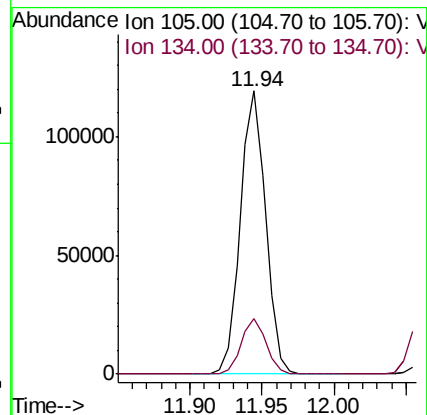
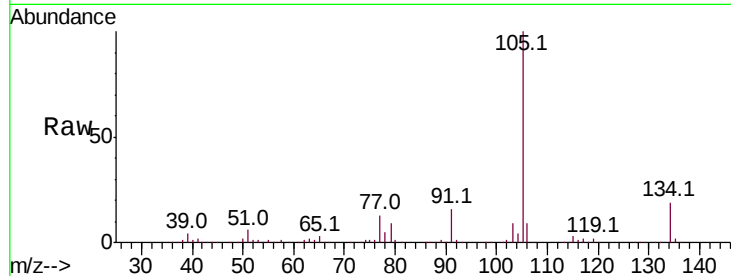
134 19.2 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 17.653 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009821.D

Acq: 22 May 2019 22:57

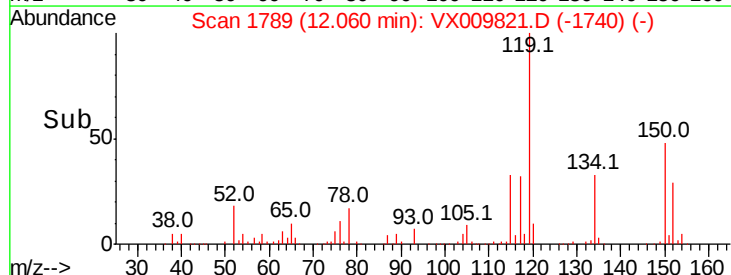
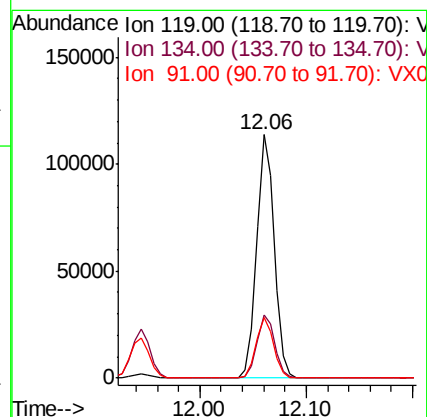
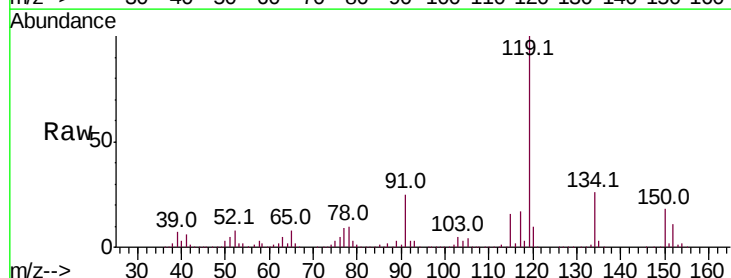
Tgt Ion:119 Resp: 132345

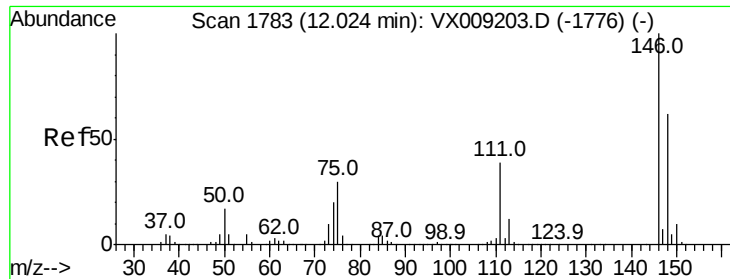
Ion Ratio Lower Upper

119 100

134 26.3 12.9 38.7

91 24.8 11.8 35.4





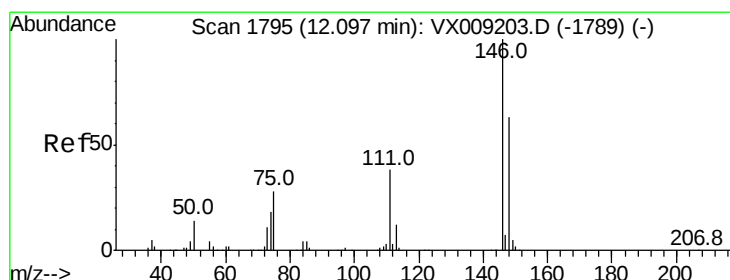
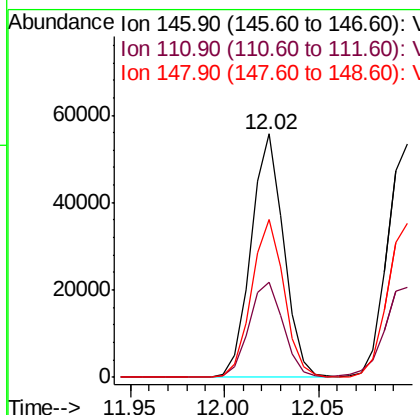
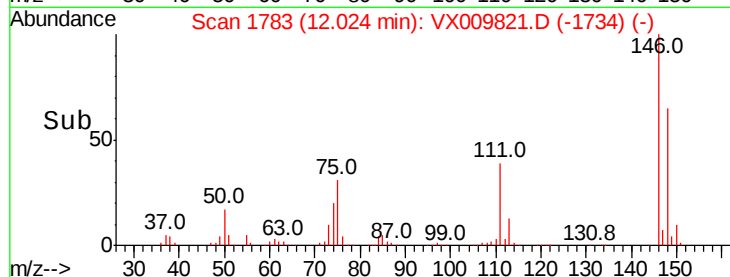
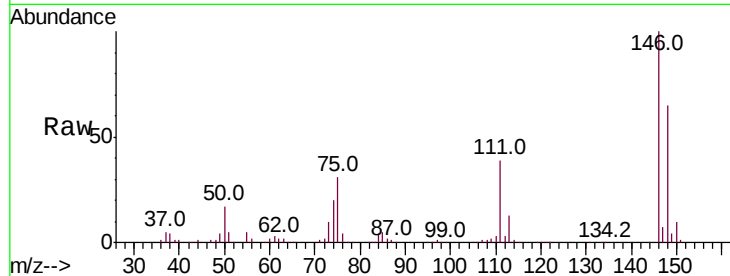
#87
 1,3-Dichlorobenzene
 Concen: 17.566 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009821.D
 Acq: 22 May 2019 22:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522MBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.0	59.9
148	64.7	31.8	95.3

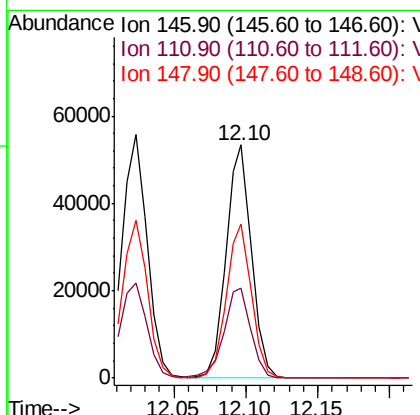
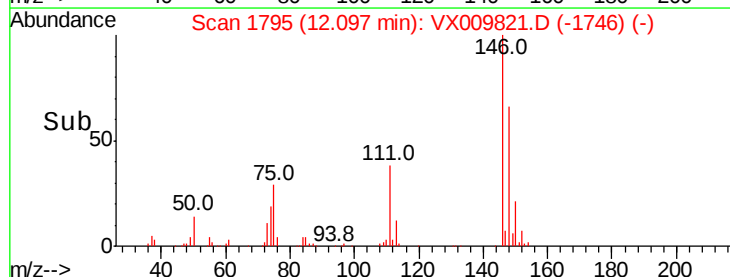
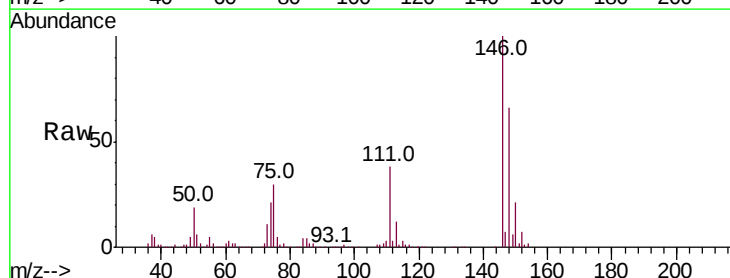
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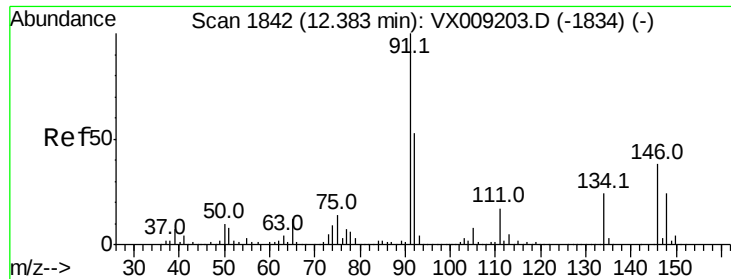
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#88
 1,4-Dichlorobenzene
 Concen: 17.267 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009821.D
 Acq: 22 May 2019 22:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	19.6	58.8
148	65.8	31.8	95.3





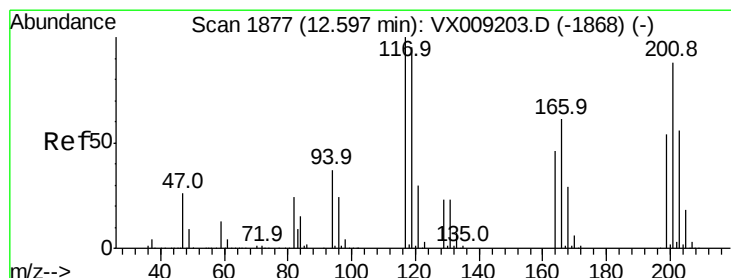
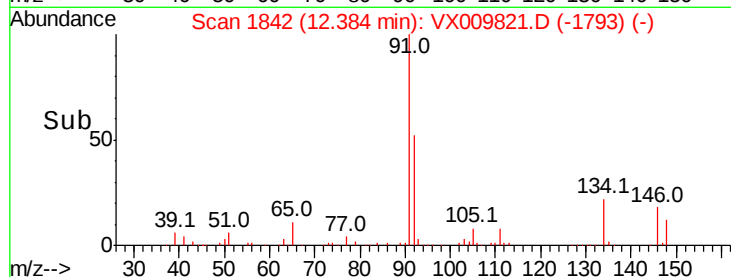
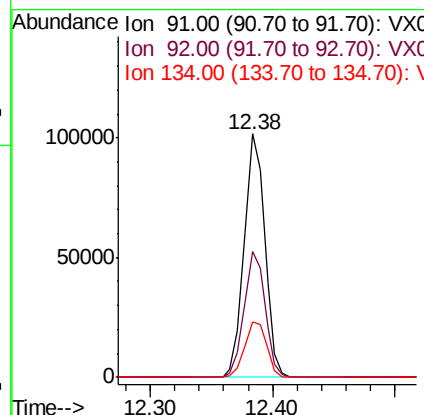
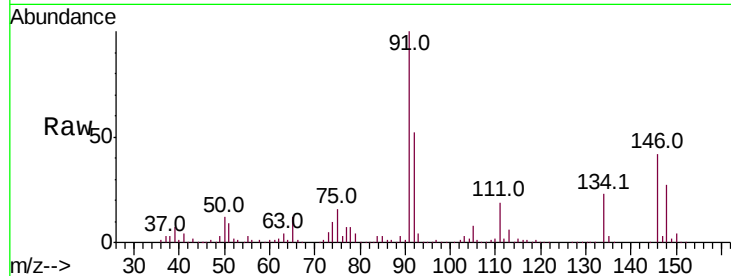
#89
n-Butylbenzene
Concen: 17.511 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009821.D
Acq: 22 May 2019 22:57

Instrument :
MSVOA_X
ClientSampleId :
VX0522MBSD02

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.4	26.5	79.5	
134	24.3	12.4	37.2	

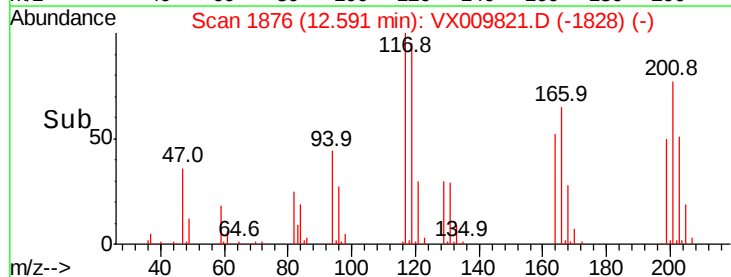
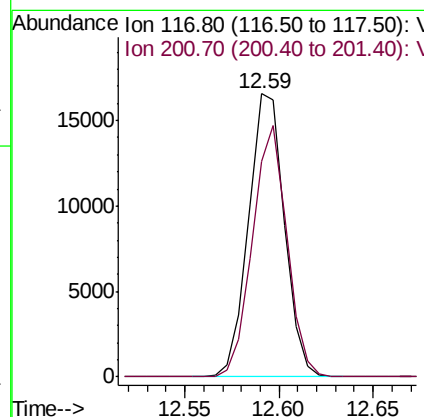
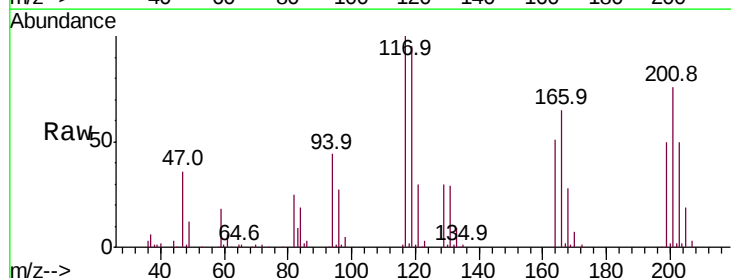
Manual Integrations
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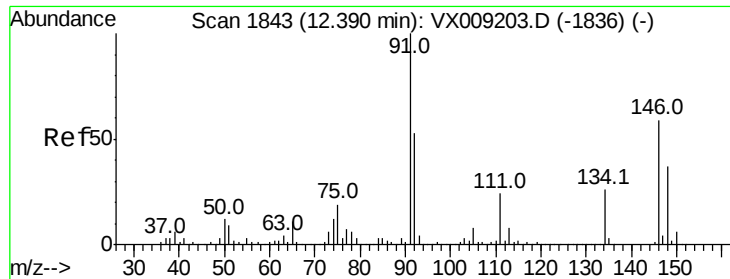
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#90
Hexachloroethane
Concen: 17.155 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009821.D
Acq: 22 May 2019 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	85.0	42.3	126.9	





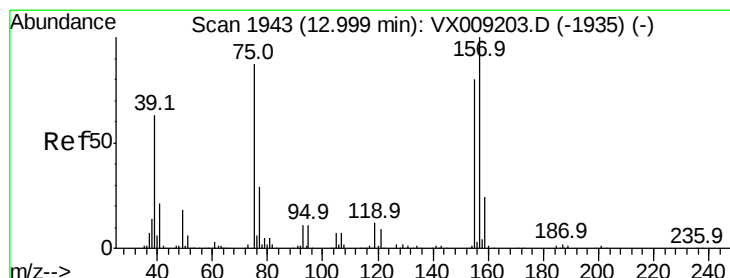
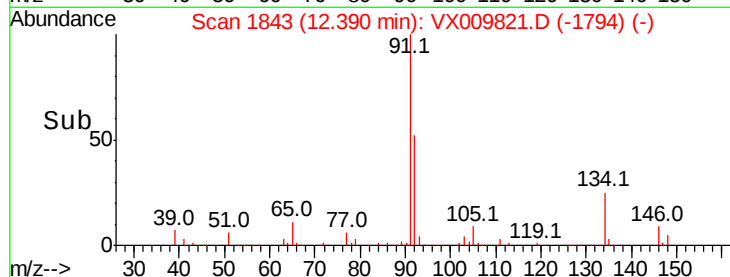
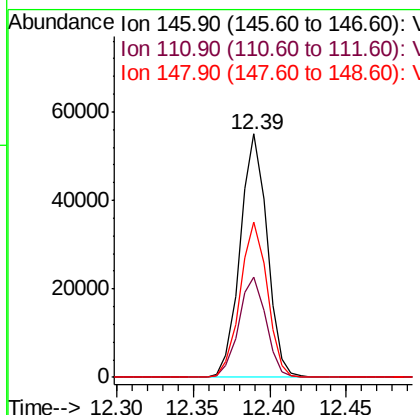
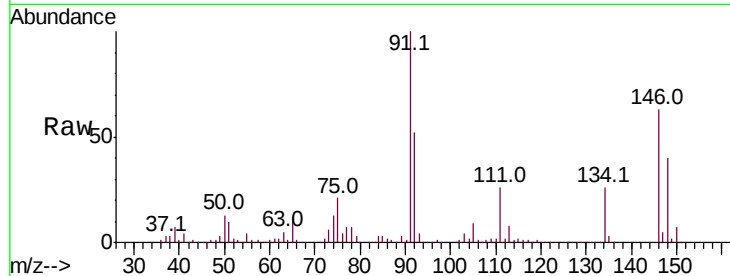
#91
 1,2-Dichlorobenzene
 Concen: 17.420 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009821.D
 Acq: 22 May 2019 22:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522MBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.4
148	64.5	31.9	95.9

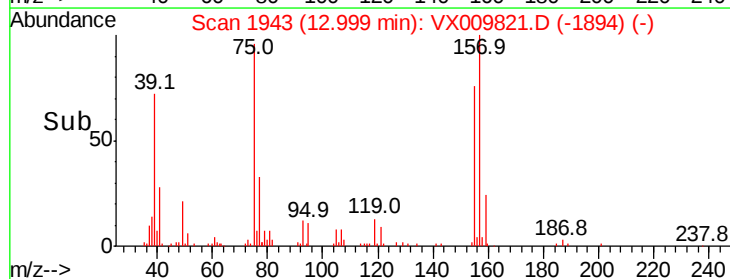
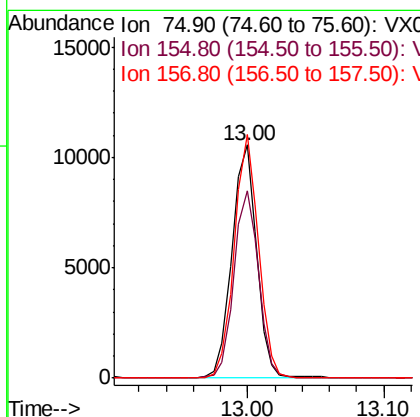
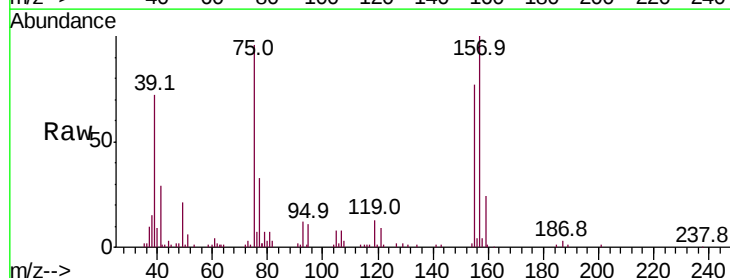
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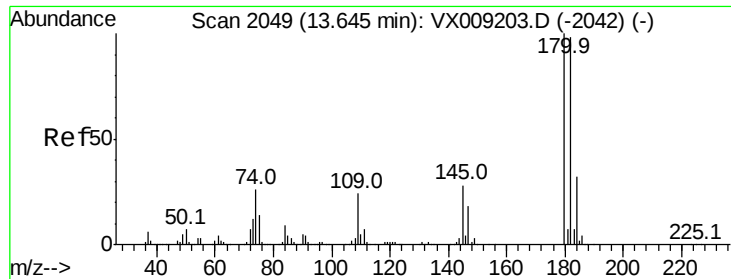
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.594 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009821.D
 Acq: 22 May 2019 22:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.9	42.0	126.0
157	101.7	53.2	159.6





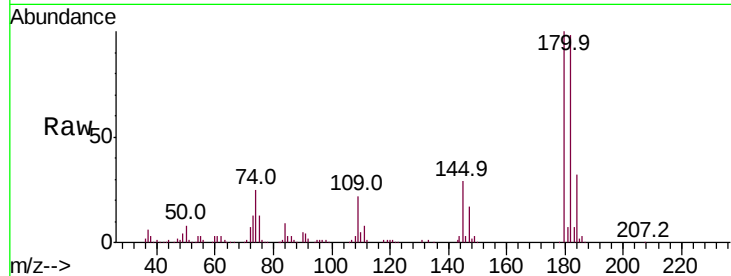
#93
 1,2,4-Trichlorobenzene
 Concen: 17.591 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009821.D
 Acq: 22 May 2019 22:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522MBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.8	48.4	145.2	
145	29.6	14.6	43.8	

Manual Integrations
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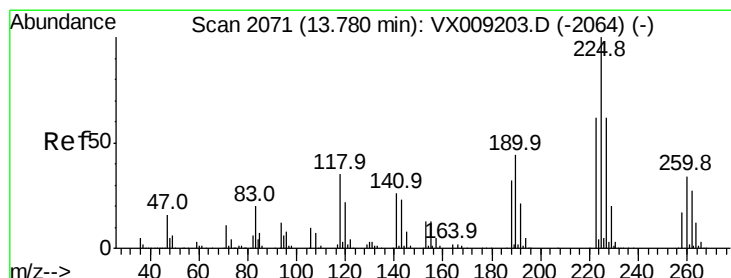
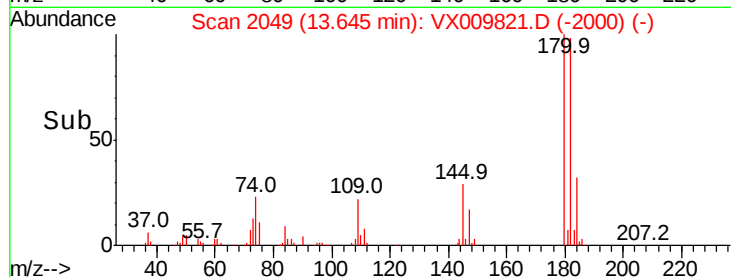
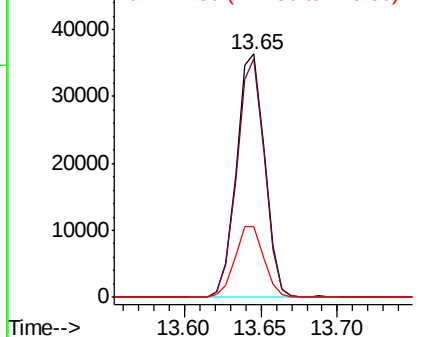


Abundance

Ion 179.80 (179.50 to 180.50): V

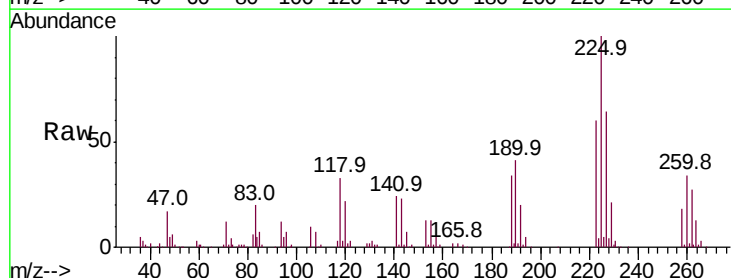
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 18.056 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009821.D
 Acq: 22 May 2019 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	60.8	31.3	93.8	
227	61.6	31.8	95.3	

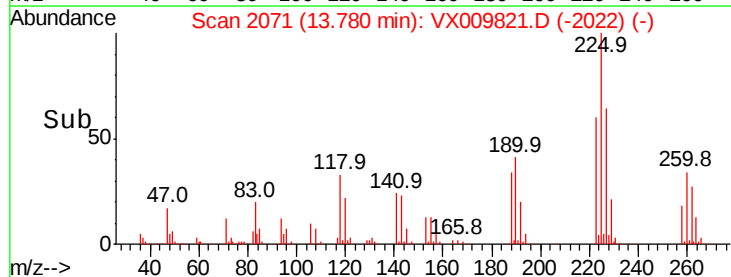
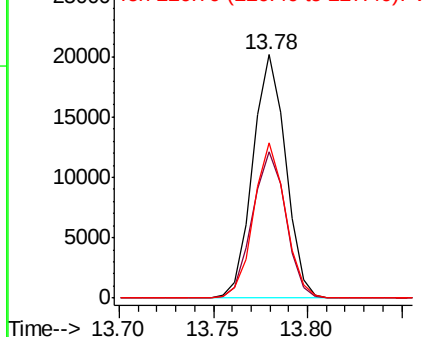


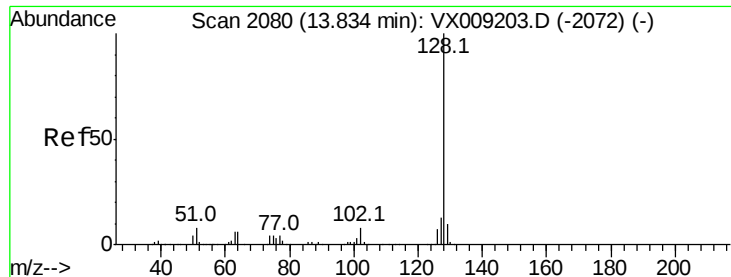
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





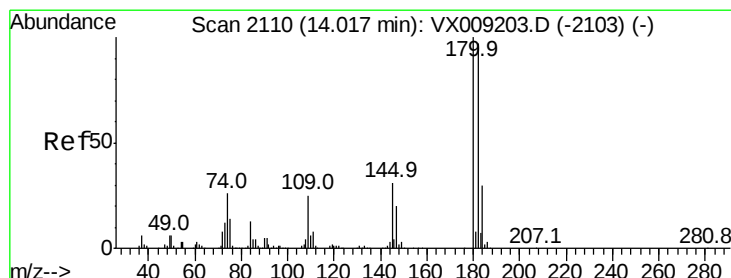
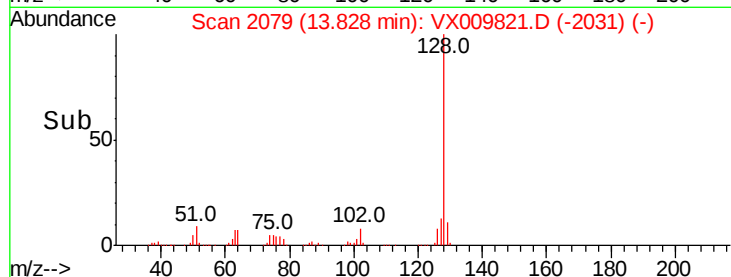
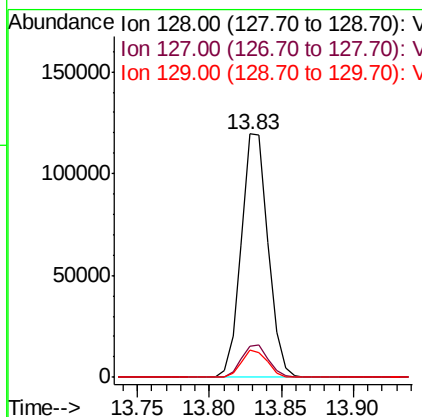
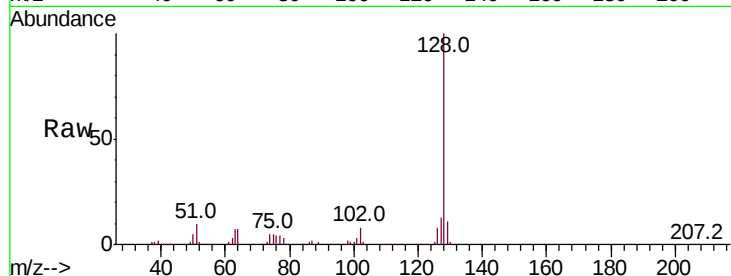
#95
Naphthalene
Concen: 17.949 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX009821.D
Acq: 22 May 2019 22:57

Instrument :
MSVOA_X
ClientSampleId :
VX0522MBSD02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	154547		
127	13.3		10.4	15.6
129	10.9		8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 17.869 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX009821.D
Acq: 22 May 2019 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	47937		
182	95.6		47.8	143.4
145	31.2		15.4	46.4

