

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052319\
 Data File : VX009862.D
 Acq On : 23 May 2019 16:41
 Operator : JC/SP
 Sample : VX0523WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0523WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 9:02:09 AM

Quant Time: May 24 04:37:27 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	5.67	168	188891	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	298826	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	271625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	131535	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	123136	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	
35) Dibromofluoromethane	5.50	113	86938	46.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.56%	
50) Toluene-d8	8.71	98	362254	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	
62) 4-Bromofluorobenzene	11.13	95	130109	47.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	28669	16.470	ug/l	97
3) Chloromethane	1.32	50	44655	18.791	ug/l	100
4) Vinyl Chloride	1.41	62	42601	18.384	ug/l	96
5) Bromomethane	1.64	94	26196	18.834	ug/l	99
6) Chloroethane	1.72	64	26907	18.085	ug/l	97
7) Trichlorofluoromethane	1.93	101	51918	18.431	ug/l	99
8) Diethyl Ether	2.19	74	24101	18.063	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	31526	17.822	ug/l	100
10) Methyl Iodide	2.51	142	34565	19.867	ug/l	98
11) Tert butyl alcohol	3.05	59	58432	97.896	ug/l	100
12) 1,1-Dichloroethene	2.37	96	31556	17.805	ug/l	97
13) Acrolein	2.29	56	42797	79.173	ug/l	98
14) Allyl chloride	2.73	41	79771	18.469	ug/l	98
15) Acrylonitrile	3.14	53	132470	90.769	ug/l	99
16) Acetone	2.45	43	139279	100.591	ug/l	96
17) Carbon Disulfide	2.57	76	90204	18.128	ug/l	99
18) Methyl Acetate	2.78	43	58740	17.839	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	124182	18.043	ug/l	99
20) Methylene Chloride	2.85	84	39193	17.482	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	34295	17.842	ug/l	94
22) Diisopropyl ether	3.85	45	157471	18.958	ug/l	94
23) Vinyl Acetate	3.81	43	695908	97.839	ug/l	98
24) 1,1-Dichloroethane	3.70	63	74299	18.132	ug/l	98
25) 2-Butanone	4.67	43	209832	97.523	ug/l	99
26) 2,2-Dichloropropane	4.59	77	56198	18.425	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	41100	17.914	ug/l	98
28) Bromochloromethane	5.01	49	39930	22.712	ug/l	96
29) Tetrahydrofuran	5.13	42	132558	95.740	ug/l	97
30) Chloroform	5.21	83	66853	18.039	ug/l	100
31) Cyclohexane	5.58	56	71806	18.835	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	55177	17.885	ug/l	98
36) 1,1-Dichloropropene	5.80	75	51805	18.655	ug/l	99
37) Ethyl Acetate	4.84	43	76864	19.865	ug/l	99
38) Carbon Tetrachloride	5.79	117	45355	17.976	ug/l	98

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Manual Integrations
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Quant Time: May 24 04:37:27 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)
39) Methylcyclohexane	7.46	83	63839	18.719	ug/l	94
40) Benzene	6.15	78	159582	18.568	ug/l	100
41) Methacrylonitrile	5.04	41	42397	18.408	ug/l	99
42) 1,2-Dichloroethane	6.19	62	59560	19.319	ug/l	99
43) Isopropyl Acetate	6.45	43	119395	19.291	ug/l	99
44) Trichloroethene	7.21	130	37454	18.027	ug/l	98
45) 1,2-Dichloropropane	7.51	63	45986	18.896	ug/l	95
46) Dibromomethane	7.66	93	25895	18.324	ug/l	99
47) Bromodichloromethane	7.90	83	51430	18.244	ug/l	100
48) Methyl methacrylate	7.77	41	60140	19.586	ug/l	97
49) 1,4-Dioxane	7.74	88	22320	358.439	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	398407	98.487	ug/l	98
52) Toluene	8.79	92	95985	18.373	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	58870	18.497	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	64412	18.285	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	38737	18.175	ug/l	95
56) Ethyl methacrylate	9.18	69	71158	18.703	ug/l	96
57) 1,3-Dichloropropane	9.37	76	69294	18.475	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	190394	94.332	ug/l	99
59) 2-Hexanone	9.49	43	312550	98.375	ug/l	97
60) Dibromochloromethane	9.58	129	36994	17.771	ug/l	99
61) 1,2-Dibromoethane	9.67	107	39662	18.435	ug/l	100
64) Tetrachloroethene	9.34	164	34709	18.628	ug/l	97
65) Chlorobenzene	10.14	112	98453	18.119	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	35597	18.070	ug/l	98
67) Ethyl Benzene	10.25	91	185571	18.557	ug/l	99
68) m/p-Xylenes	10.36	106	135186	36.993	ug/l	97
69) o-Xylene	10.70	106	65604	18.195	ug/l	98
70) Styrene	10.71	104	115141	18.373	ug/l	99
71) Bromoform	10.85	173	27851	17.397	ug/l #	99
73) Isopropylbenzene	11.02	105	176114	18.412	ug/l	99
74) N-amyl acetate	10.90	43	107509	19.279	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	65020	18.235	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	56612m	18.554	ug/l	
77) Bromobenzene	11.26	156	42421	17.868	ug/l	97
78) n-propylbenzene	11.36	91	204277	18.700	ug/l	100
79) 2-Chlorotoluene	11.42	91	121407	18.014	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	148425	18.429	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	19950	16.730	ug/l	90
82) 4-Chlorotoluene	11.51	91	140001	18.388	ug/l	99
83) tert-Butylbenzene	11.77	119	141516	18.063	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	150901	18.667	ug/l	99
85) sec-Butylbenzene	11.94	105	170700	18.377	ug/l	100
86) p-Isopropyltoluene	12.06	119	155058	18.569	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	76673	18.116	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	76499	17.929	ug/l	98
89) n-Butylbenzene	12.38	91	140920	18.671	ug/l	100
90) Hexachloroethane	12.60	117	24679	17.347	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	76437	17.732	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14652	18.317	ug/l	95

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MSVOA_X
ClientSampleId :
VX0523WBSD01

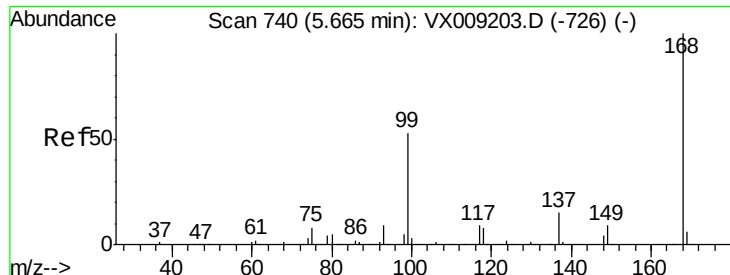
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	53411	18.119	ug/l	99
94) Hexachlorobutadiene	13.78	225	28066	18.644	ug/l	98
95) Naphthalene	13.83	128	173029	18.042	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	54001	18.072	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009862.D

Acq: 23 May 2019 16:41

Instrument :

MSVOA_X

ClientSampleId :

VX0523WBSD01

Tot Ion:168 Resp: 188891

Ion Ratio Lower Upper

168 100

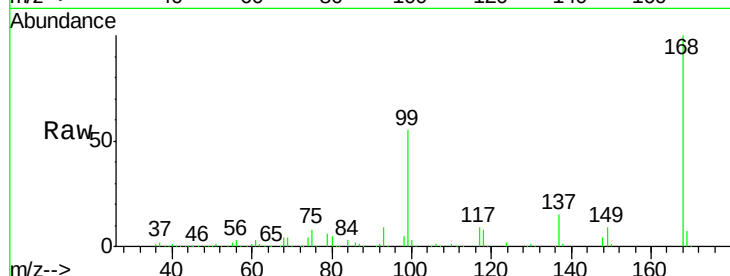
99 55.0 42.3 63.5

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

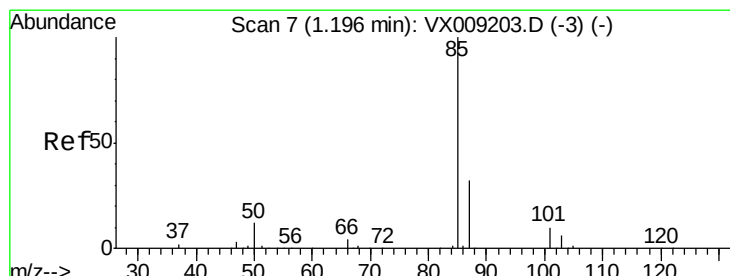
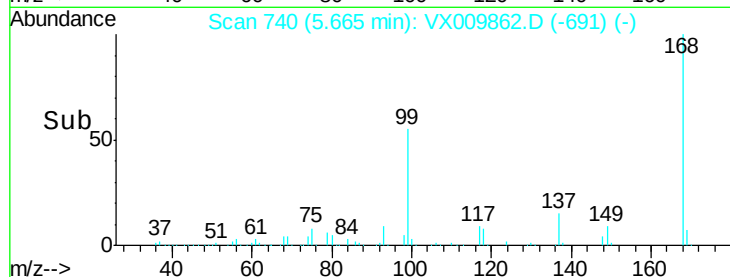
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 16.470 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009862.D

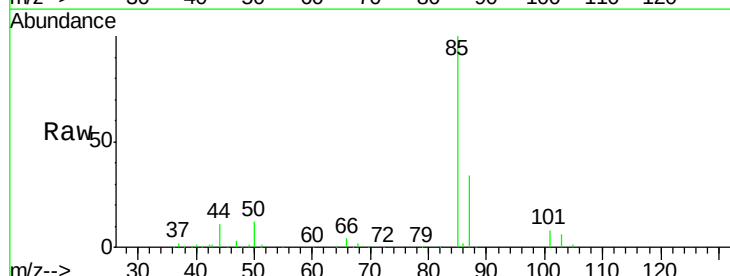
Acq: 23 May 2019 16:41

Tgt Ion: 85 Resp: 28669

Ion Ratio Lower Upper

85 100

87 33.8 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

30000

25000

20000

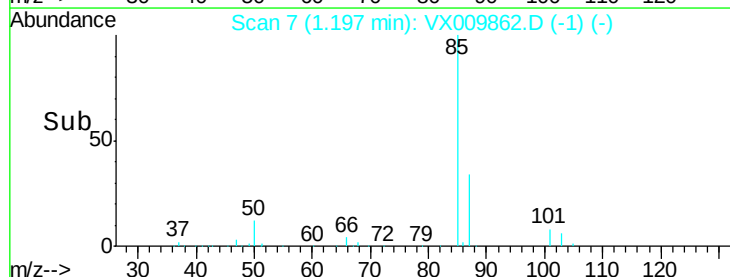
15000

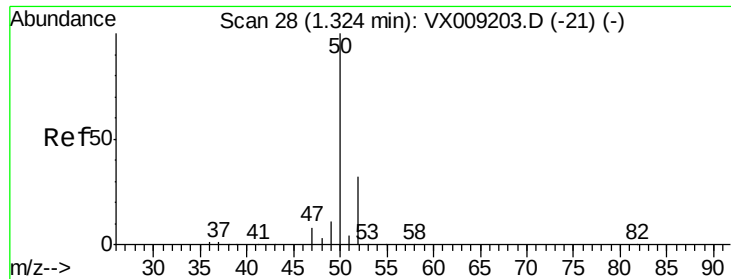
10000

5000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 18.791 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009862.D

Acq: 23 May 2019 16:41

Instrument :

MSVOA_X

ClientSampleId :

VX0523WBSD01

Tot Ion: 50 Resp: 44655

Ion Ratio Lower Upper

50 100

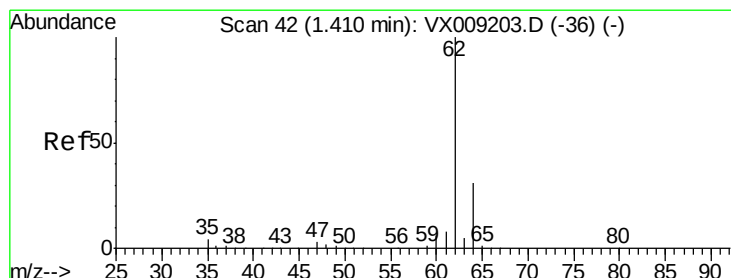
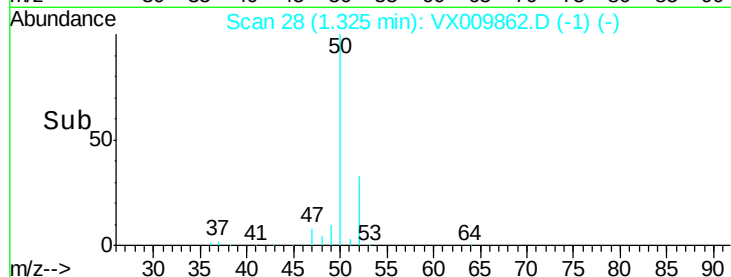
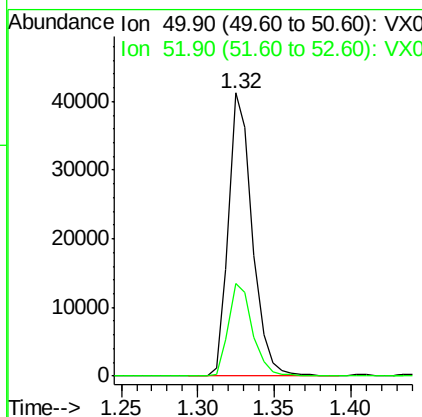
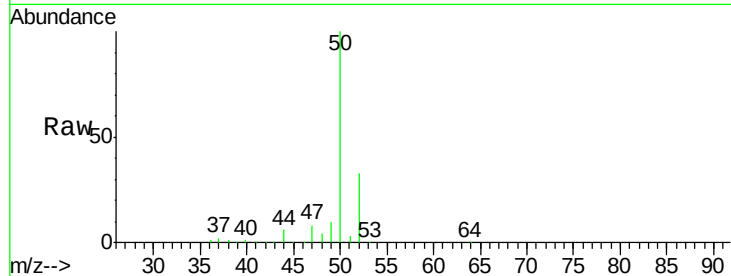
52 32.7 25.9 38.9

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#4

Vinyl Chloride

Concen: 18.384 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009862.D

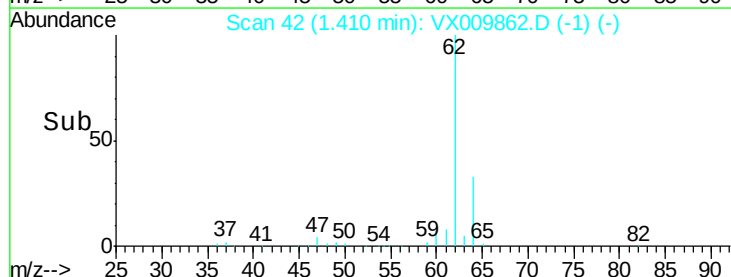
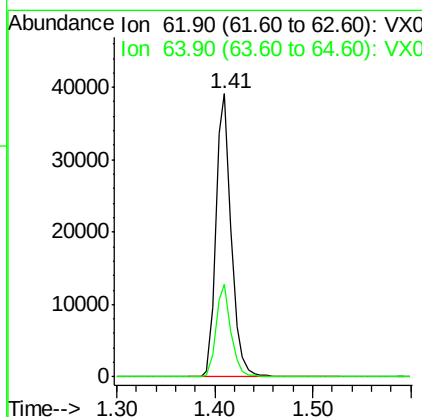
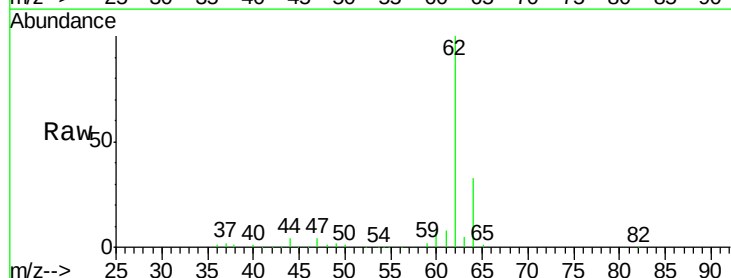
Acq: 23 May 2019 16:41

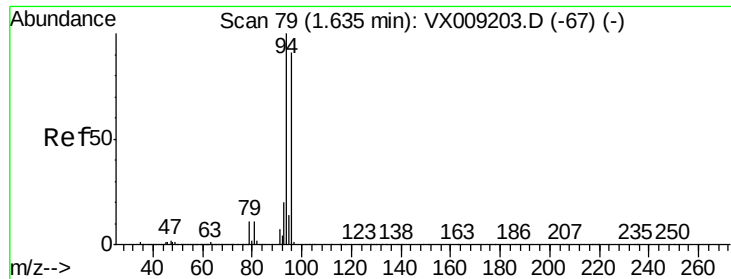
Tgt Ion: 62 Resp: 42601

Ion Ratio Lower Upper

62 100

64 32.8 24.6 36.8





#5

Bromomethane

Concen: 18.834 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009862.D

Acq: 23 May 2019 16:41

Instrument :

MSVOA_X

ClientSampleId :

VX0523WBSD01

Tot Ion: 94 Resp: 26196

Ion Ratio Lower Upper

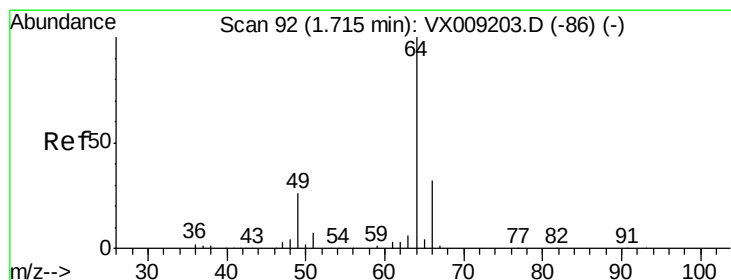
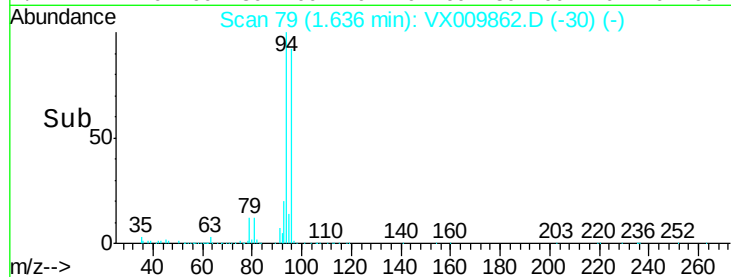
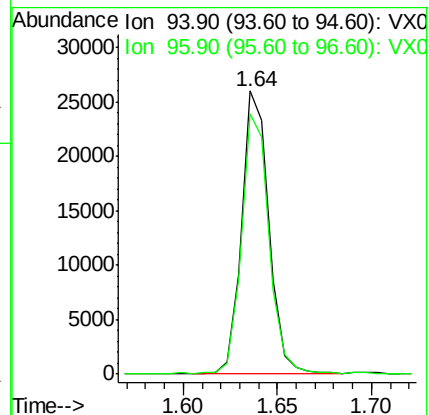
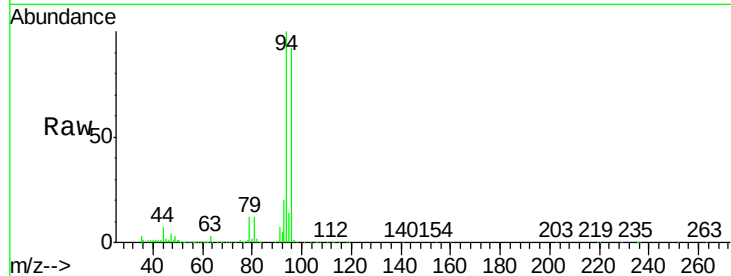
94 100

96 91.9 73.0 109.6

Manual Integrations
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#6

Chloroethane

Concen: 18.085 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009862.D

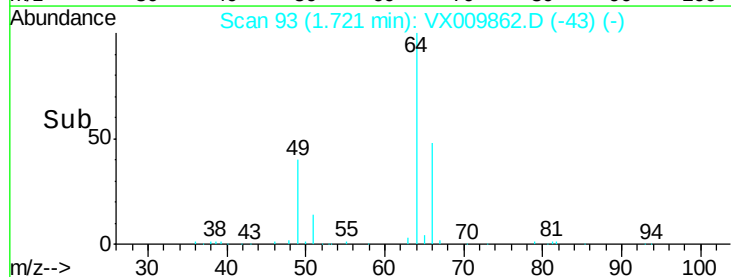
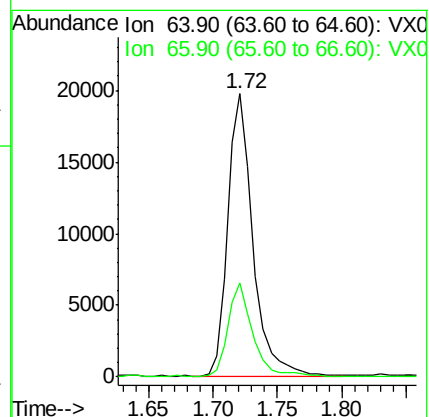
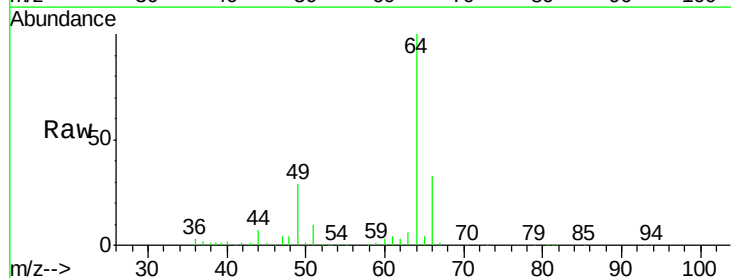
Acq: 23 May 2019 16:41

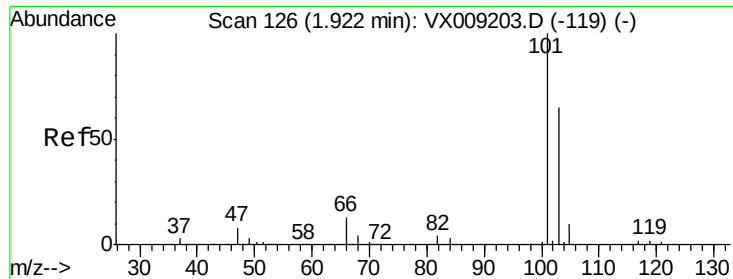
Tgt Ion: 64 Resp: 26907

Ion Ratio Lower Upper

64 100

66 33.1 25.3 37.9





#7

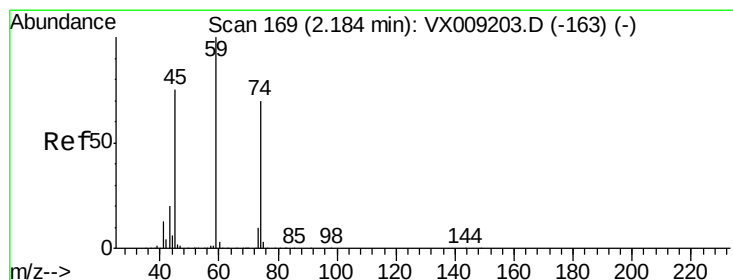
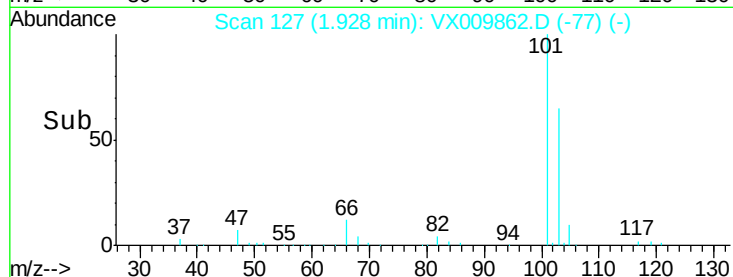
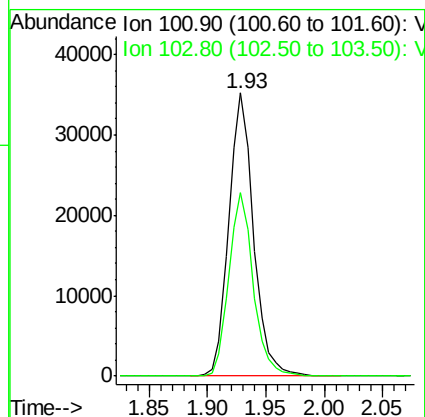
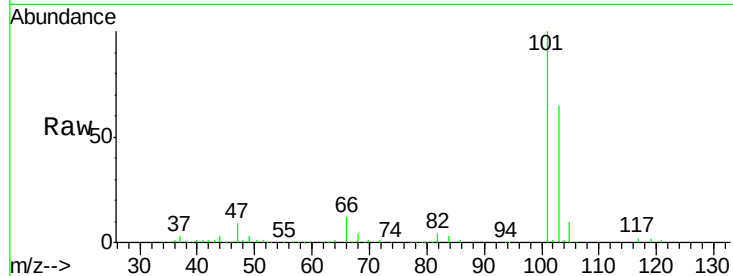
Trichlorofluoromethane
Concen: 18.431 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX009862.D
Acq: 23 May 2019 16:41

Instrument :
MSVOA_X
ClientSampleId :
VX0523WBSD01

Tot Ion:101 Resp: 51918
Ion Ratio Lower Upper
101 100
103 64.9 52.4 78.6

Manual Integrations
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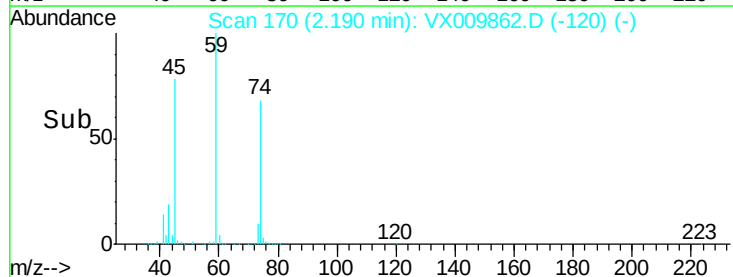
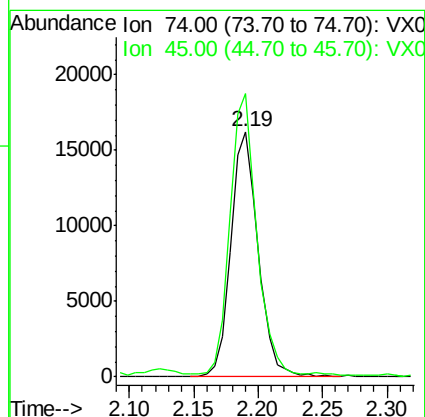
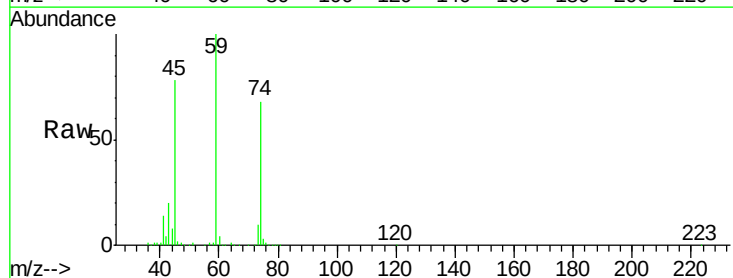
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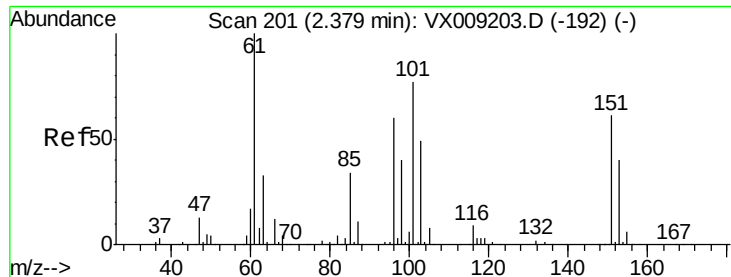


#8

Diethyl Ether
Concen: 18.063 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009862.D
Acq: 23 May 2019 16:41

Tgt Ion: 74 Resp: 24101
Ion Ratio Lower Upper
74 100
45 111.9 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.822 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX009862.D

Acq: 23 May 2019 16:41

Instrument :

MSVOA_X

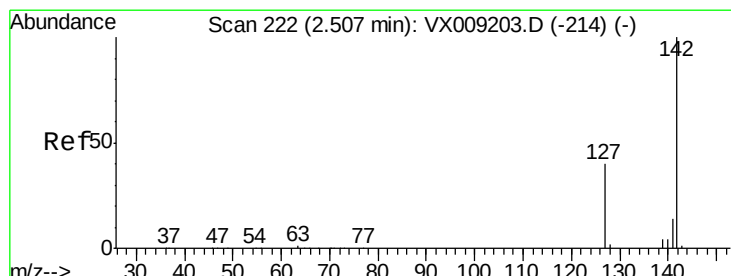
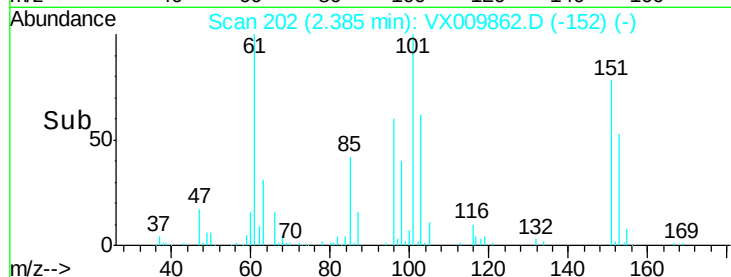
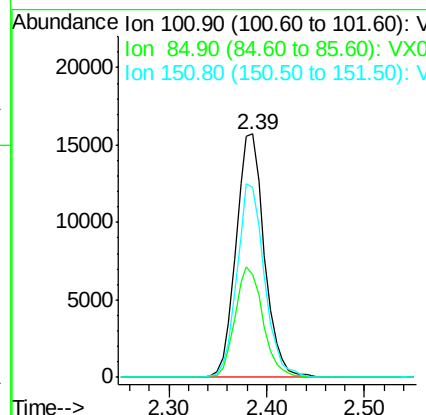
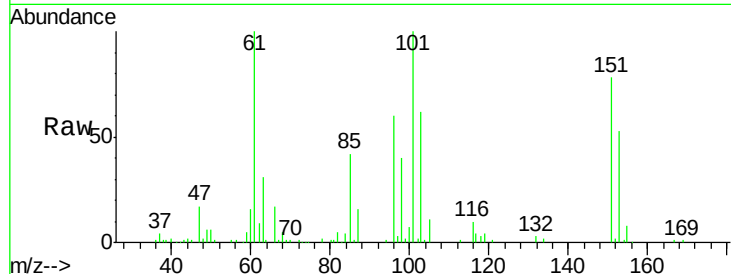
ClientSampleId :

VX0523WBSD01

Tot Ion:	101	Resp:	31526
Ion Ratio	Lower	Upper	
101	100		
85	44.6	35.7	53.5
151	77.2	62.2	93.2

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#10

Methyl Iodide

Concen: 19.867 ug/l

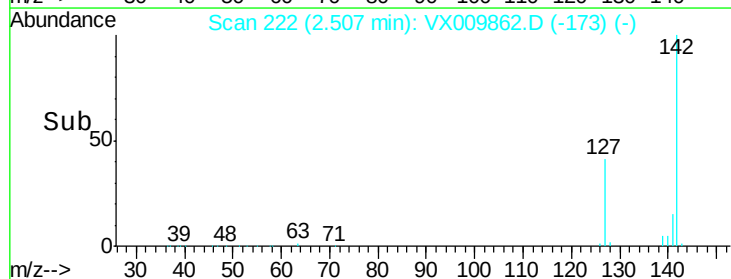
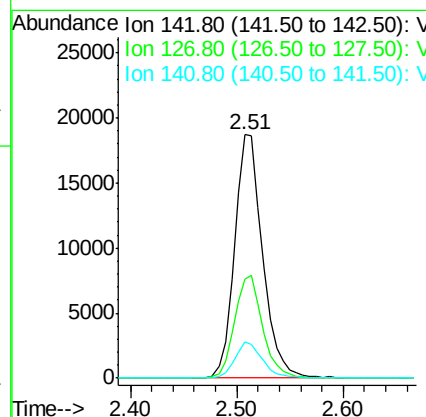
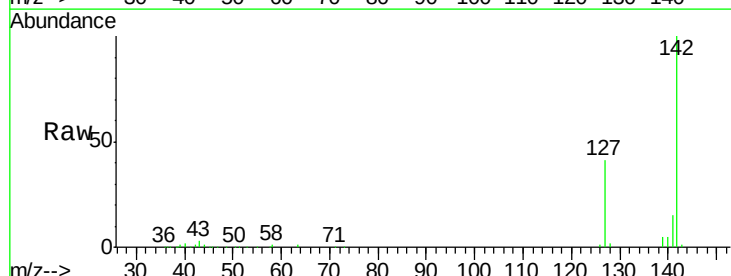
RT: 2.51 min Scan# 222

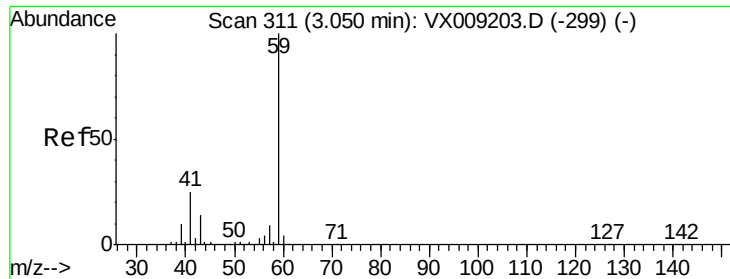
Delta R.T. 0.00 min

Lab File: VX009862.D

Acq: 23 May 2019 16:41

Tgt Ion:	142	Resp:	34565
Ion Ratio	Lower	Upper	
142	100		
127	42.2	32.7	49.1
141	14.6	11.5	17.3





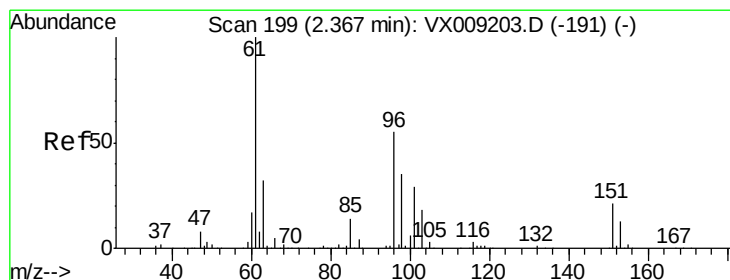
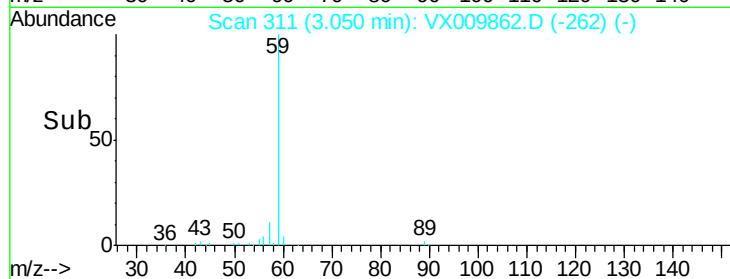
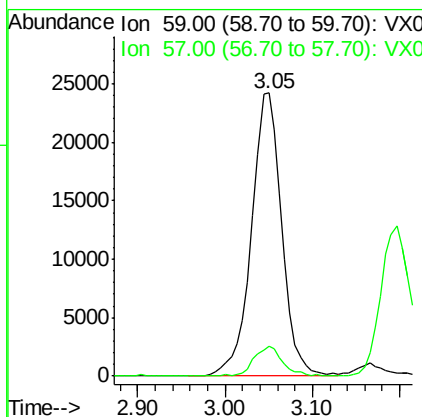
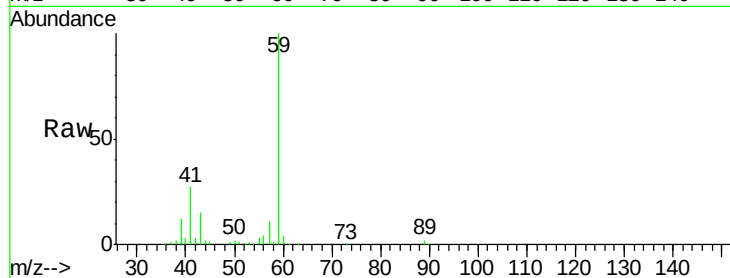
#11
Tert butyl alcohol
Concen: 97.896 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX009862.D
Acq: 23 May 2019 16:41

Instrument :
MSVOA_X
ClientSampleId :
VX0523WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.2

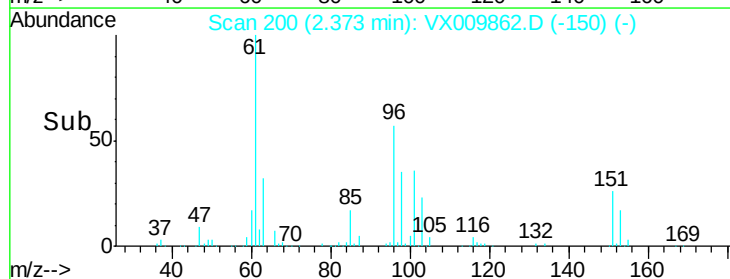
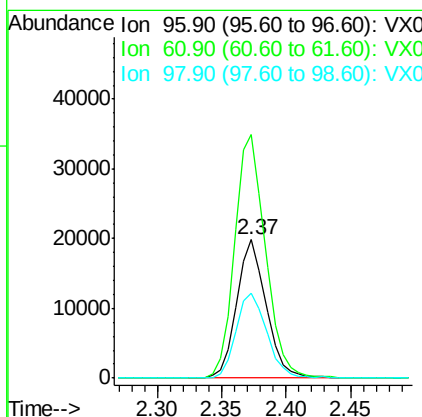
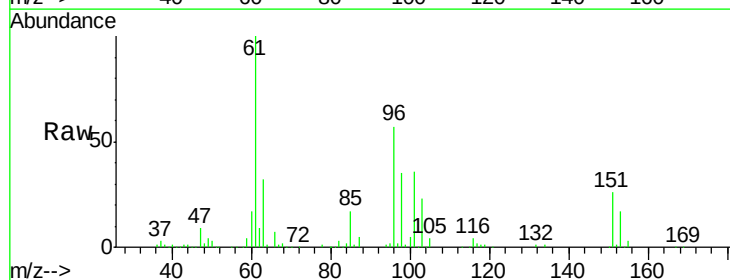
Manual Integrations
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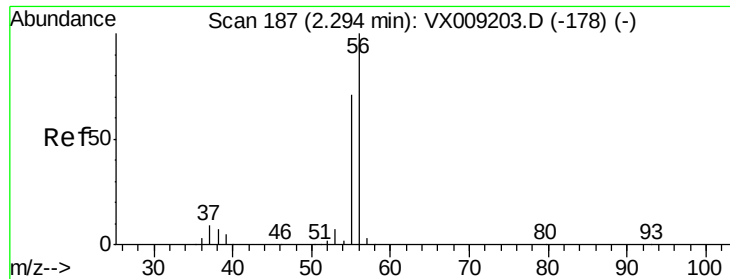
MMDadoda
5/24/2019 9:02:09 AM



#12
1,1-Dichloroethene
Concen: 17.805 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009862.D
Acq: 23 May 2019 16:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.8	144.3	216.5
98	60.9	50.3	75.5





#13

Acrolein

Concen: 79.173 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009862.D

Acq: 23 May 2019 16:41

Instrument :

MSVOA_X

ClientSampleId :

VX0523WBSD01

Tot Ion: 56 Resp: 42797

Ion Ratio Lower Upper

56 100

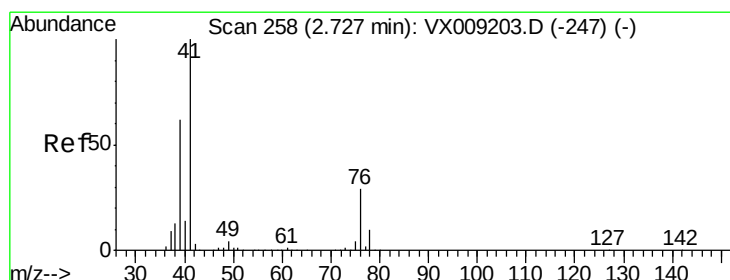
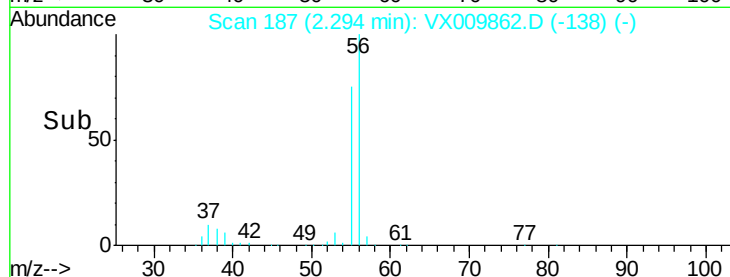
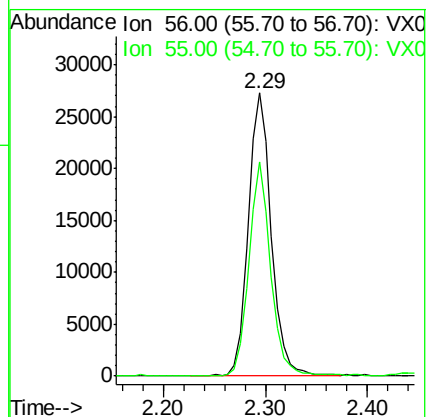
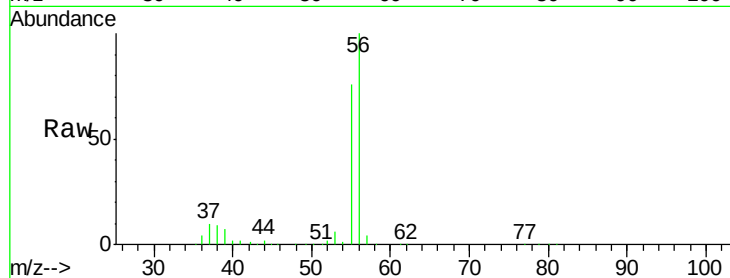
55 72.2 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 18.469 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009862.D

Acq: 23 May 2019 16:41

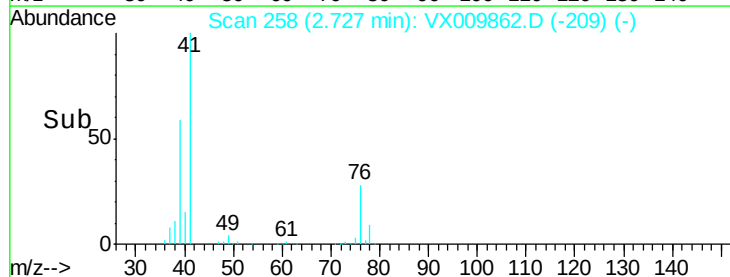
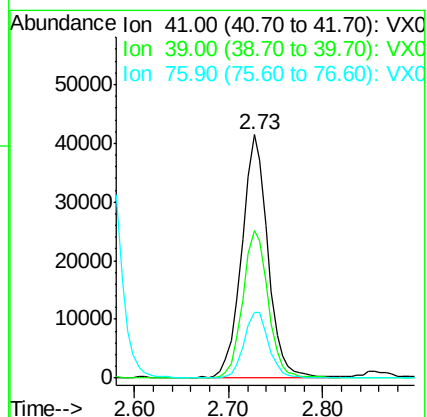
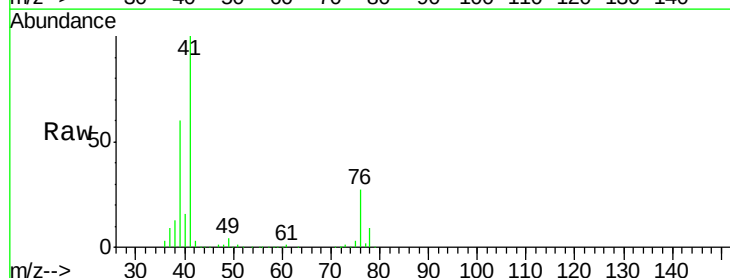
Tgt Ion: 41 Resp: 79771

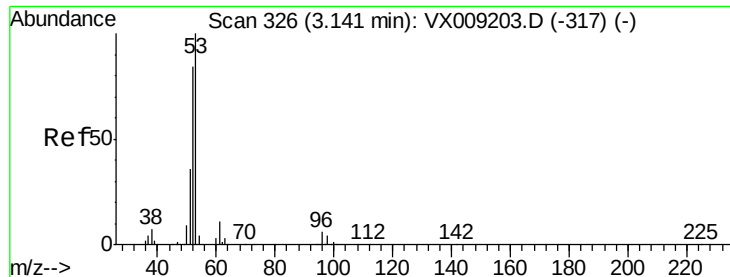
Ion Ratio Lower Upper

41 100

39 59.3 46.7 70.1

76 26.1 21.8 32.8





#15

Acrylonitrile

Concen: 90.769 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009862.D

Acq: 23 May 2019 16:41

Instrument :

MSVOA_X

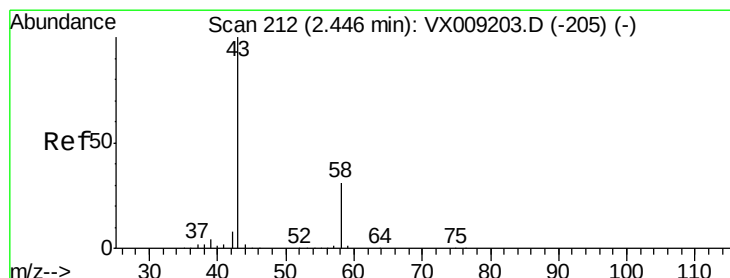
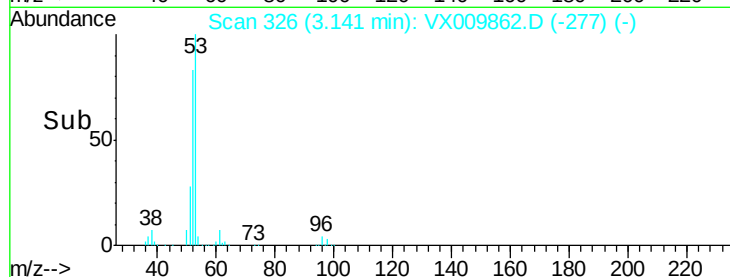
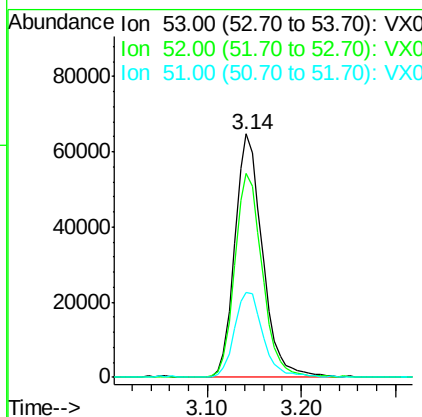
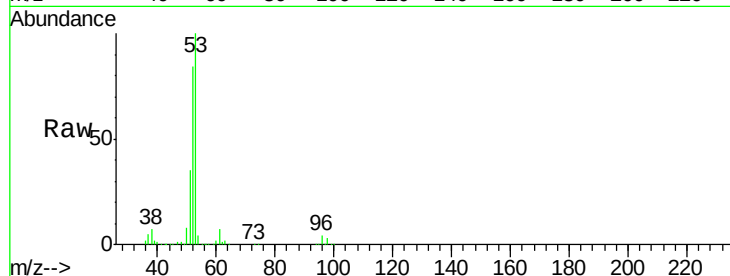
ClientSampleId :

VX0523WBSD01

Tot Ion:	53	Resp:	132470
Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.9	100.3
51	36.7	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 100.591 ug/l

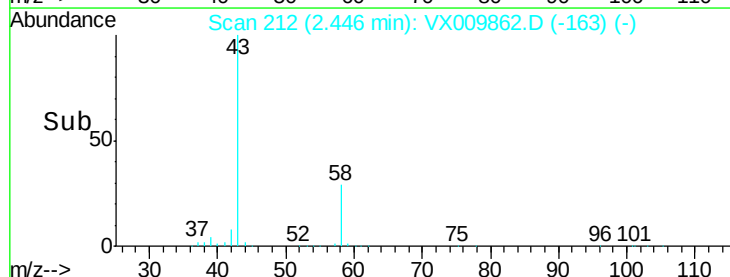
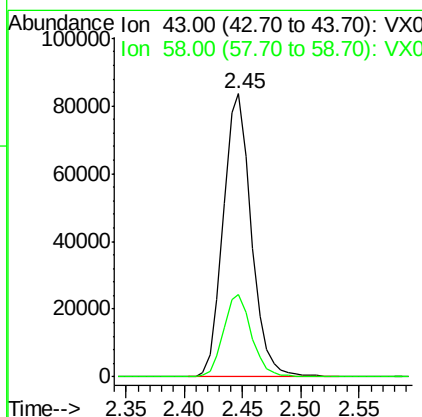
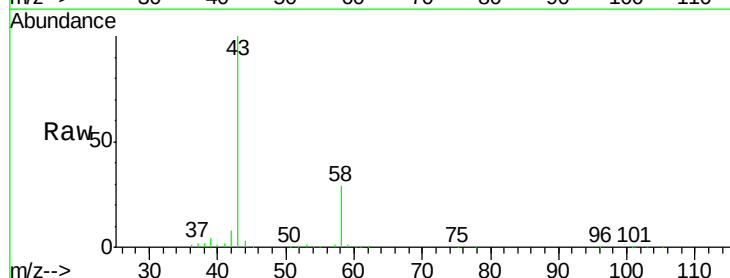
RT: 2.45 min Scan# 212

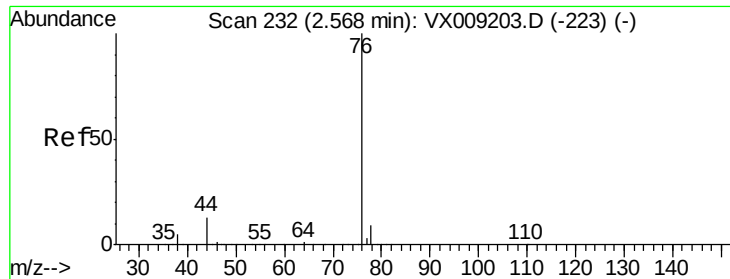
Delta R.T. 0.00 min

Lab File: VX009862.D

Acq: 23 May 2019 16:41

Tgt Ion:	43	Resp:	139279
Ion	Ratio	Lower	Upper
43	100		
58	29.2	24.9	37.3





#17

Carbon Disulfide

Concen: 18.128 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009862.D

Acq: 23 May 2019 16:41

Instrument :

MSVOA_X

ClientSampleId :

VX0523WBSD01

Tot Ion: 76 Resp: 90204

Ion Ratio Lower Upper

76 100

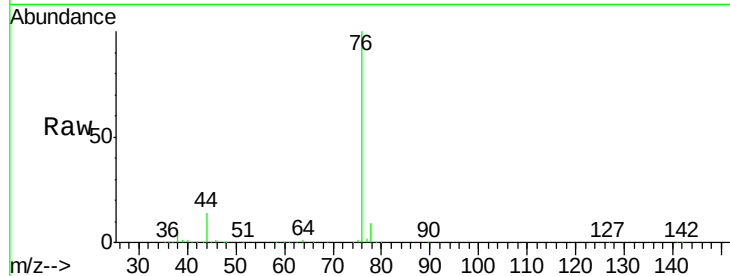
78 8.8 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

60000

50000

40000

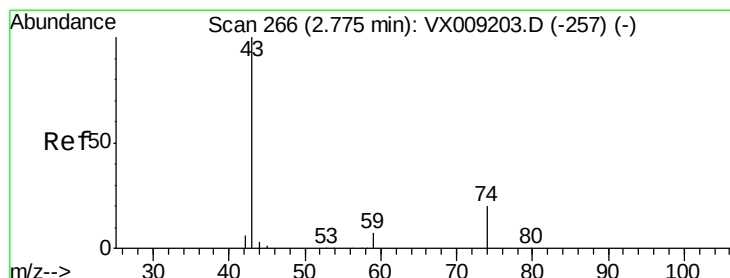
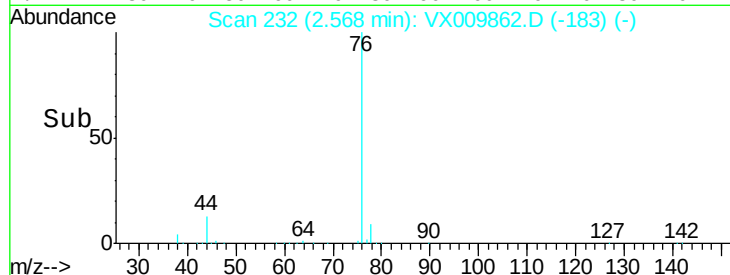
30000

20000

10000

0

Time-->



#18

Methyl Acetate

Concen: 17.839 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009862.D

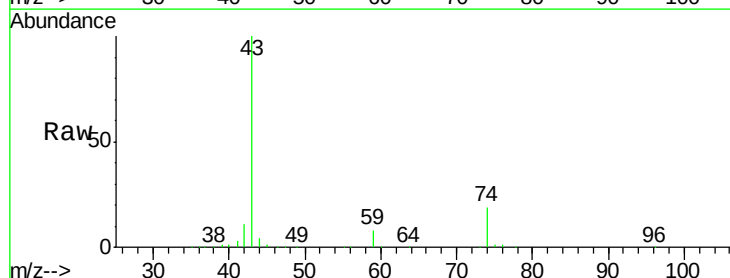
Acq: 23 May 2019 16:41

Tgt Ion: 43 Resp: 58740

Ion Ratio Lower Upper

43 100

74 20.1 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

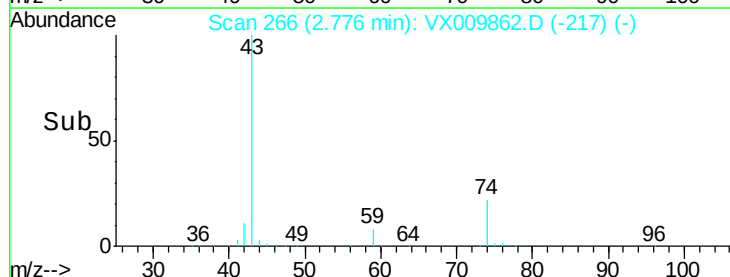
30000

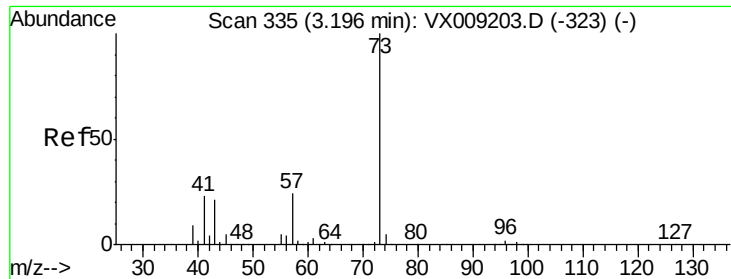
20000

10000

0

Time-->





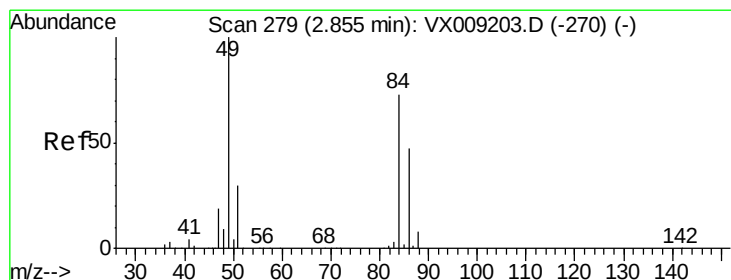
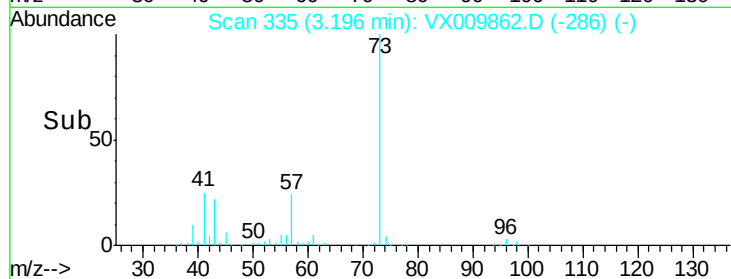
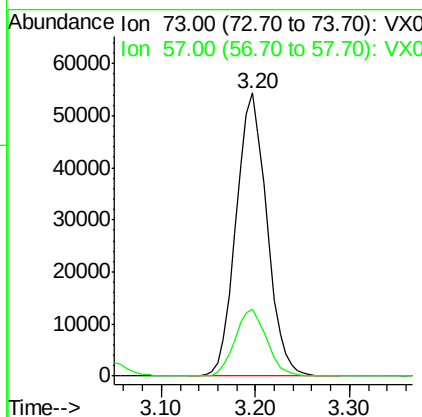
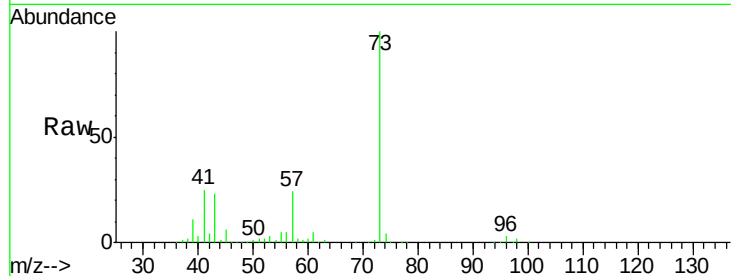
#19
Methvl tert-butyl Ether
Concen: 18.043 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009862.D
Acq: 23 May 2019 16:41

Instrument :
MSVOA_X
ClientSampleId :
VX0523WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.6	19.3	28.9

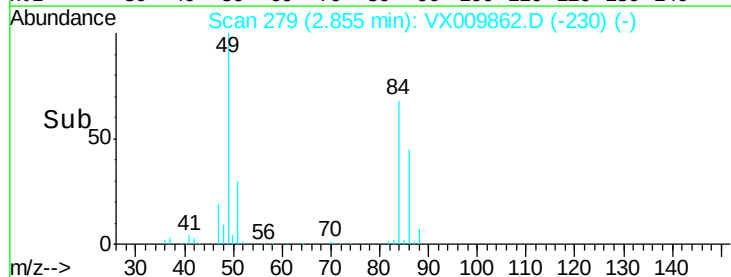
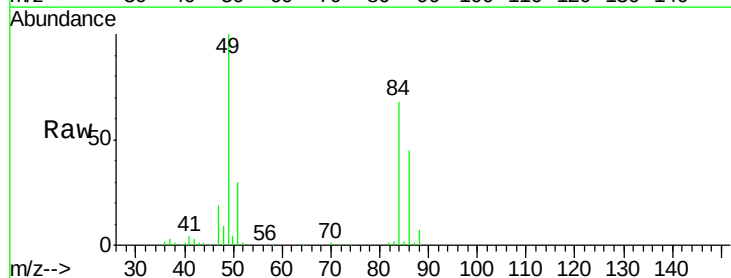
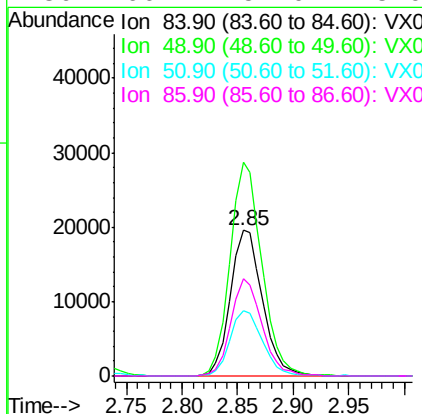
Manual Integrations
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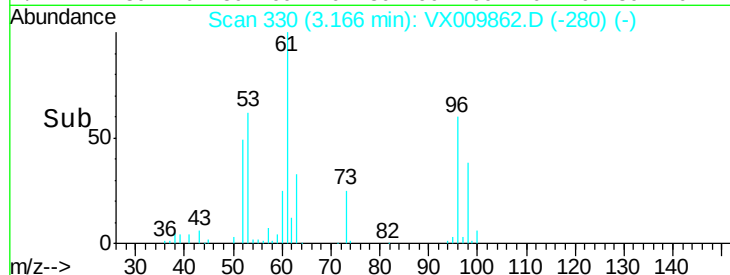
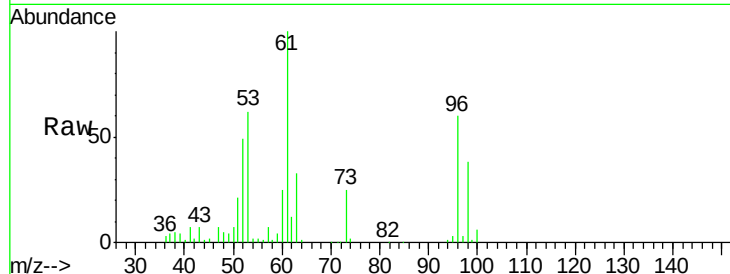
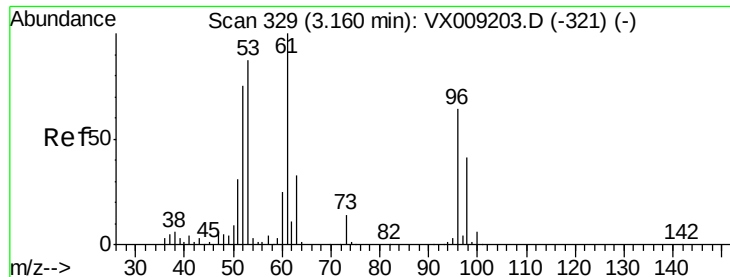
MMDadoda
5/24/2019 9:02:09 AM



#20
Methylene Chloride
Concen: 17.482 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009862.D
Acq: 23 May 2019 16:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	146.2	109.9	164.9
51	44.5	32.7	49.1
86	66.4	52.0	78.0





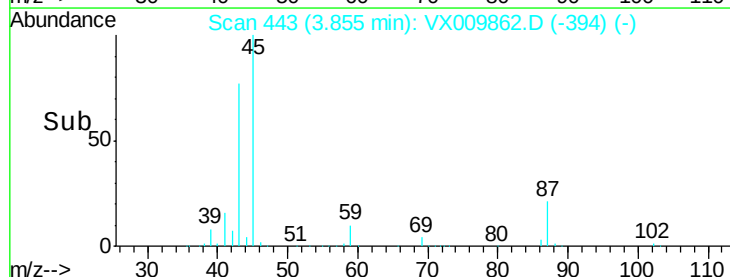
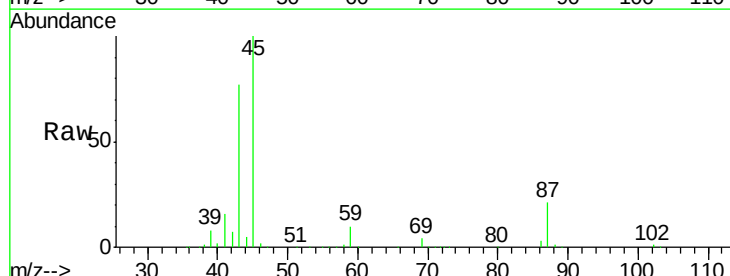
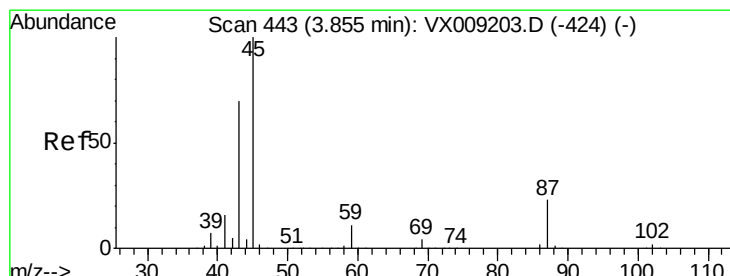
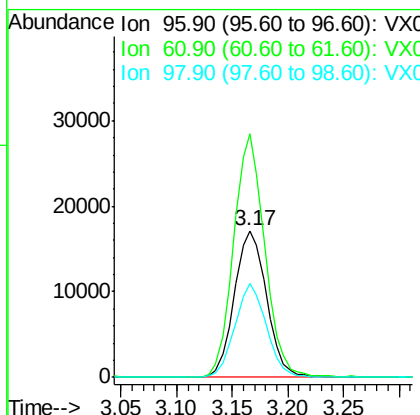
#21
trans-1,2-Dichloroethene
Concen: 17.842 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.01 min
Lab File: VX009862.D
Acq: 23 May 2019 16:41

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.4	124.5	186.7
98	63.9	50.4	75.6

Instrument :
MSVOA_X
ClientSampleId :
VX0523WBSD01

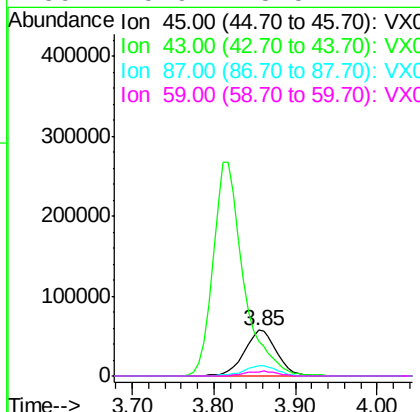
Manual Integrations
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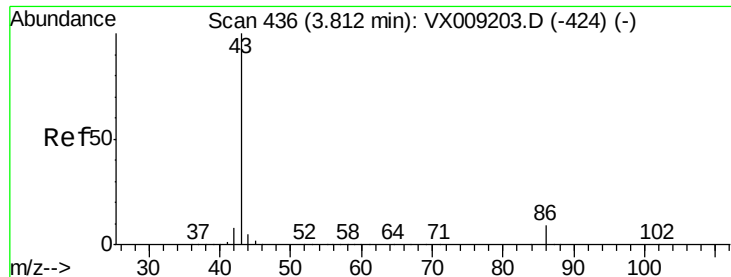
MMDadoda
5/24/2019 9:02:09 AM



#22
Diisopropyl ether
Concen: 18.958 ug/l
RT: 3.85 min Scan# 443
Delta R.T. 0.00 min
Lab File: VX009862.D
Acq: 23 May 2019 16:41

Tgt Ion	Ratio	Lower	Upper
45	100		
43	76.0	56.1	84.1
87	21.2	18.1	27.1
59	9.9	8.5	12.7





#23

Vinyl Acetate

Concen: 97.839 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009862.D

Acq: 23 May 2019 16:41

Instrument :

MSVOA_X

ClientSampleId :

VX0523WBSD01

Tot Ion: 43 Resp: 695908

Ion Ratio Lower Upper

43 100

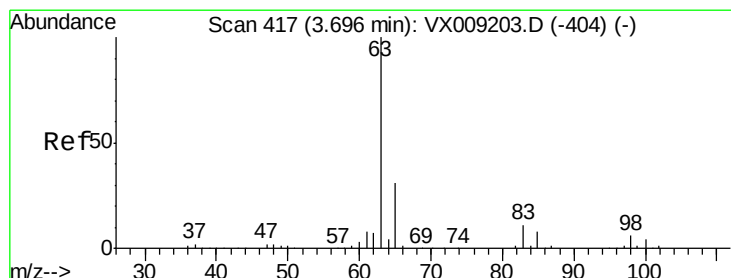
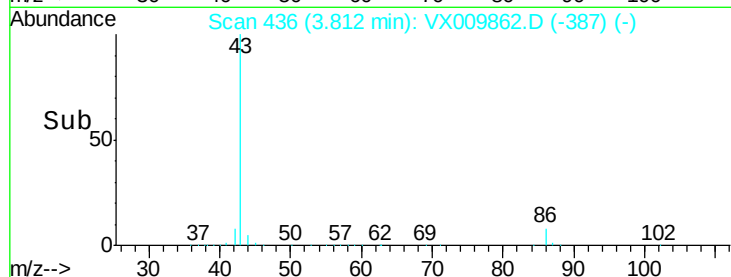
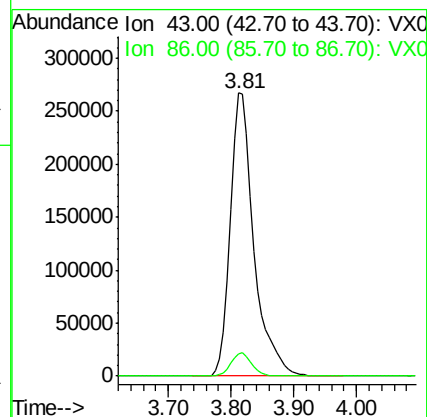
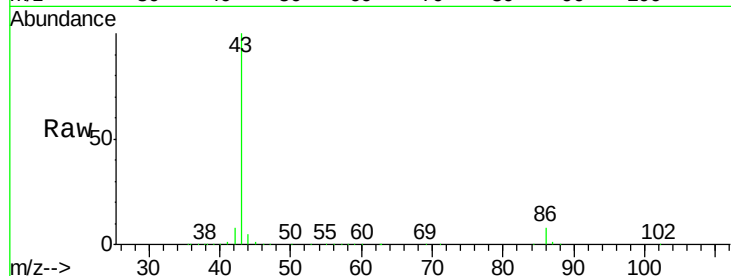
86 7.9 6.9 10.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 18.132 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX009862.D

Acq: 23 May 2019 16:41

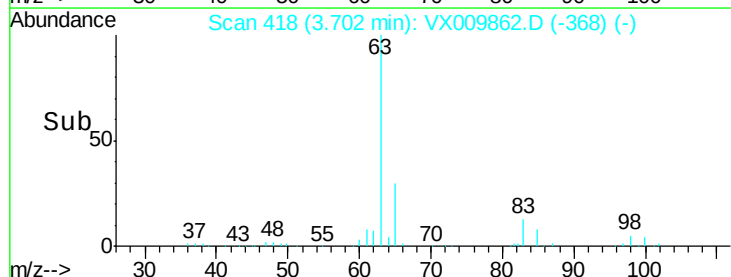
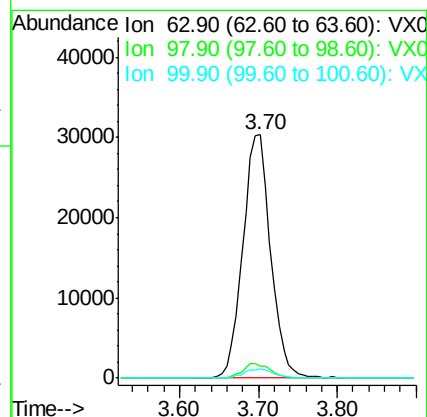
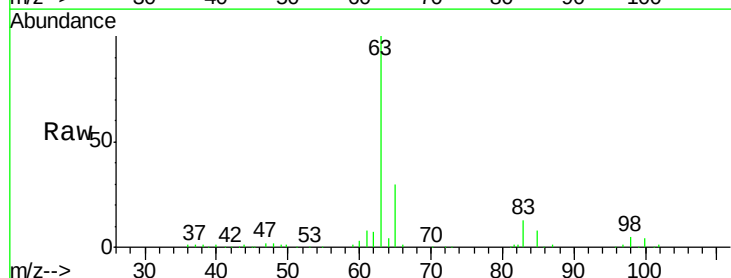
Tgt Ion: 63 Resp: 74299

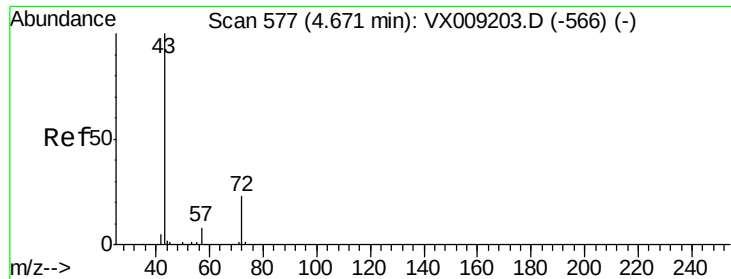
Ion Ratio Lower Upper

63 100

98 5.0 3.0 9.2

100 3.9 2.0 6.0





#25

2-Butanone

Concen: 97.523 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009862.D

Acq: 23 May 2019 16:41

Tot Ion: 43 Resp: 209832

Ion Ratio Lower Upper

43 100

72 22.4 18.2 27.2

Instrument :

MSVOA_X

ClientSampleId :

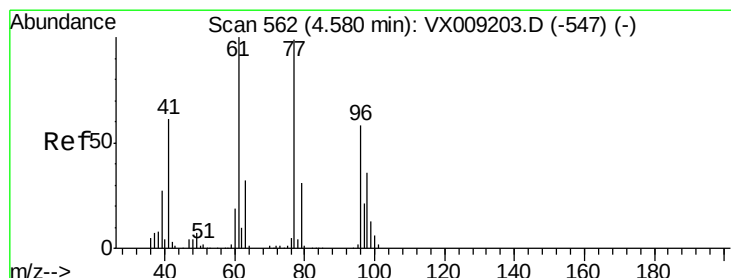
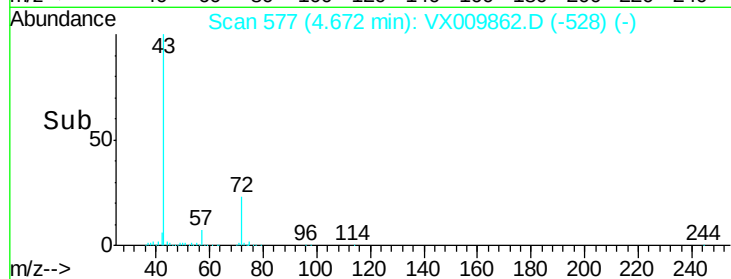
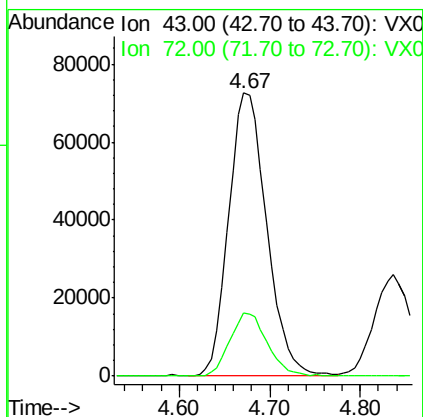
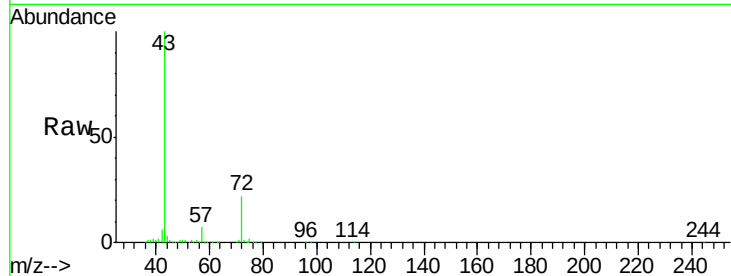
VX0523WBSD01

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.425 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009862.D

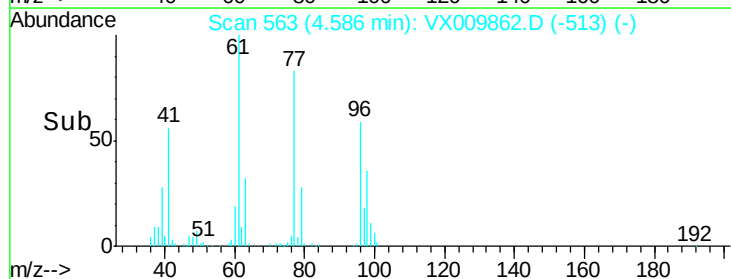
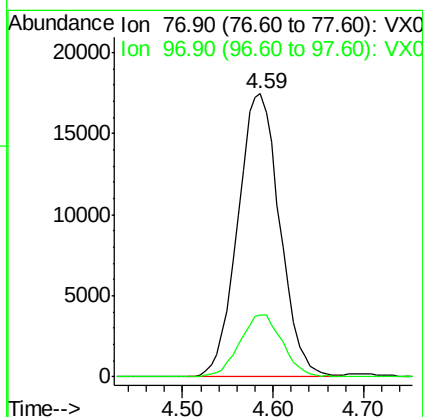
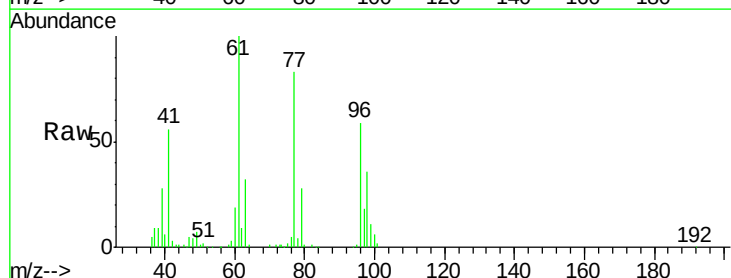
Acq: 23 May 2019 16:41

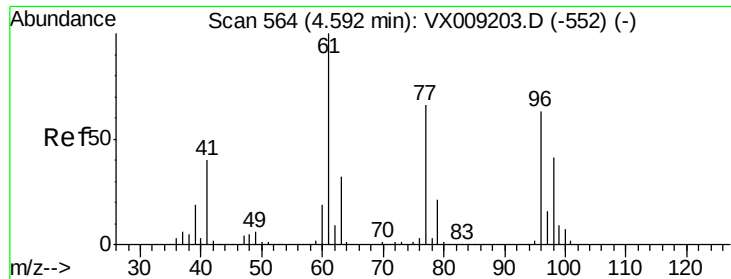
Tgt Ion: 77 Resp: 56198

Ion Ratio Lower Upper

77 100

97 22.3 11.5 34.4





#27

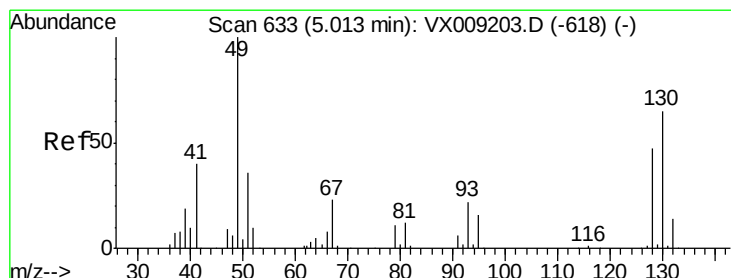
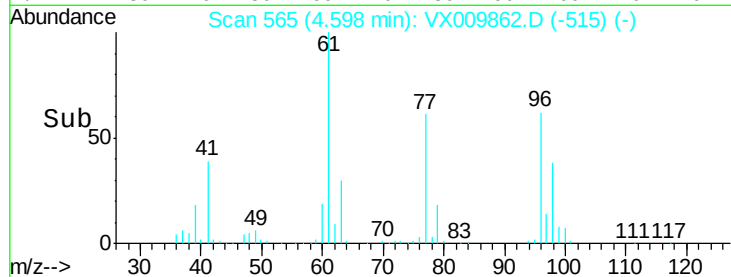
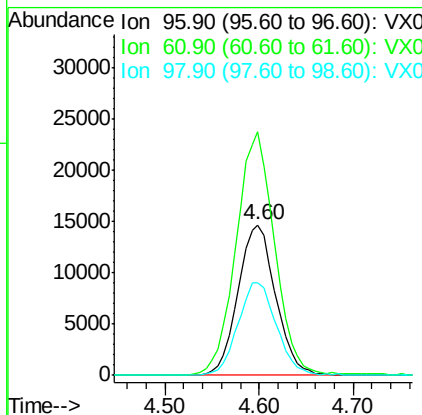
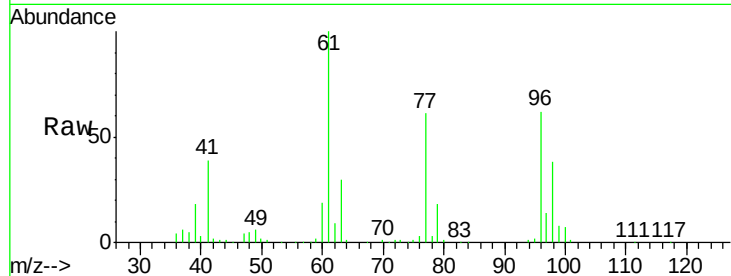
cis-1,2-Dichloroethene
Concen: 17.914 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009862.D
Acq: 23 May 2019 16:41

Instrument :
MSVOA_X
ClientSampleId :
VX0523WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.2	0.0	324.0
98	63.1	0.0	130.4

Manual Integrations
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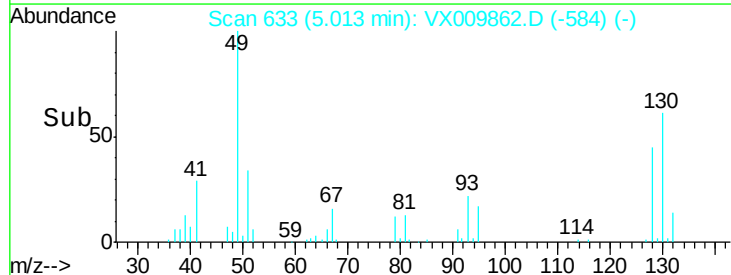
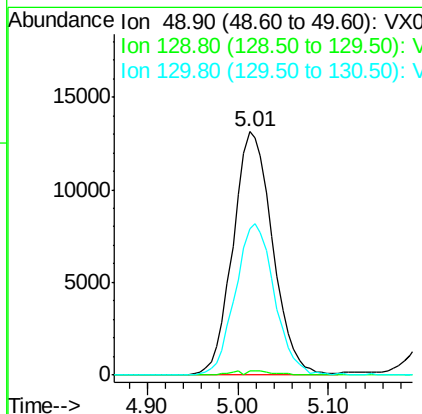
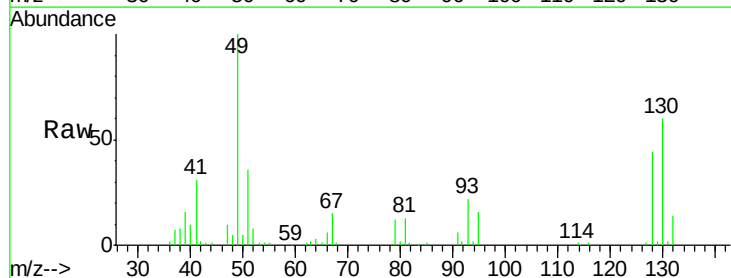
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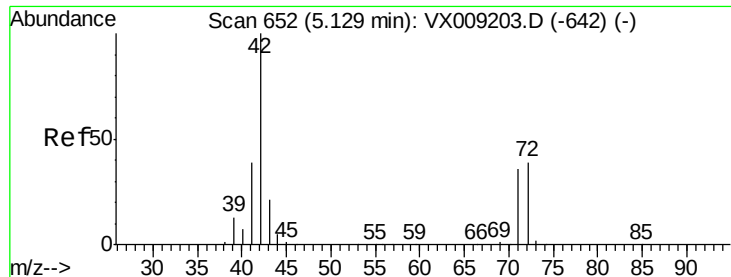


#28

Bromochloromethane
Concen: 22.712 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009862.D
Acq: 23 May 2019 16:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.8
130	61.2	51.2	76.8





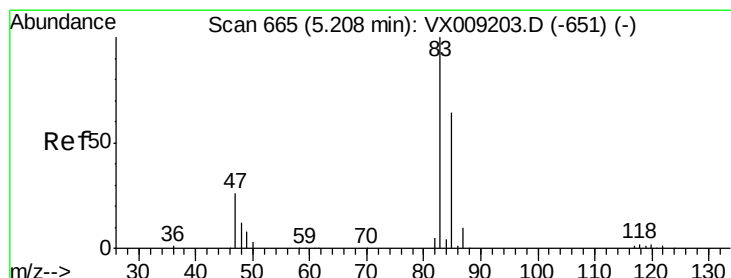
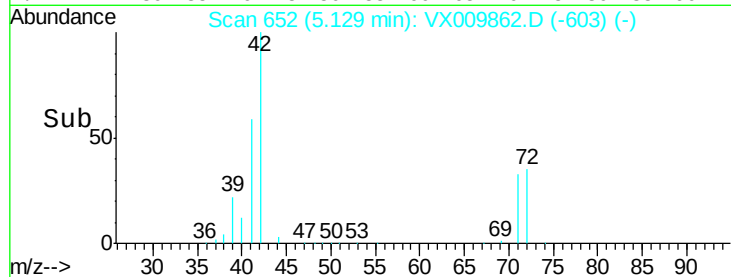
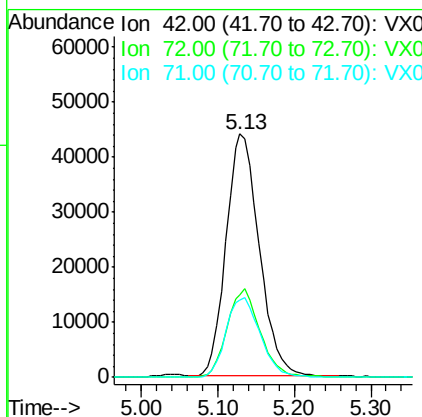
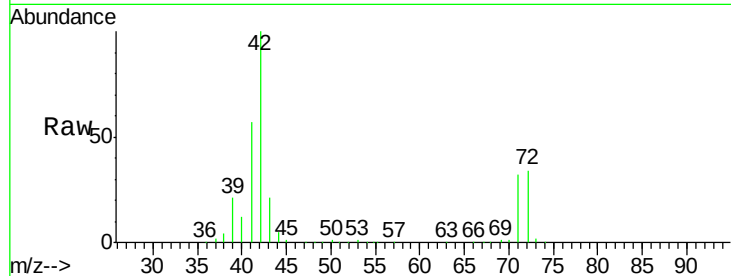
#29
Tetrahydrofuran
Concen: 95.740 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX009862.D
Acq: 23 May 2019 16:41

Instrument :
MSVOA_X
ClientSampleId :
VX0523WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.7	30.4	45.6
71	33.9	28.6	43.0

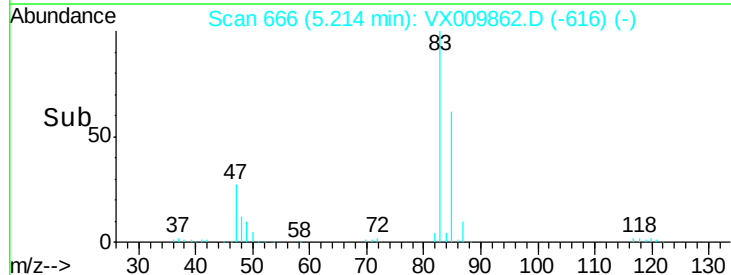
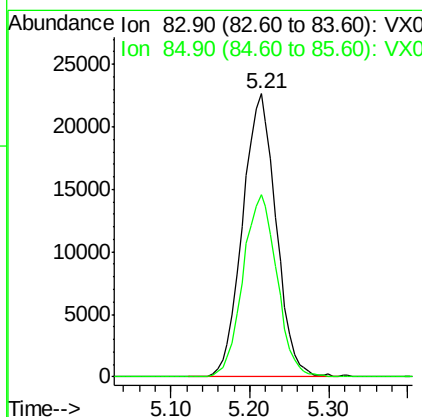
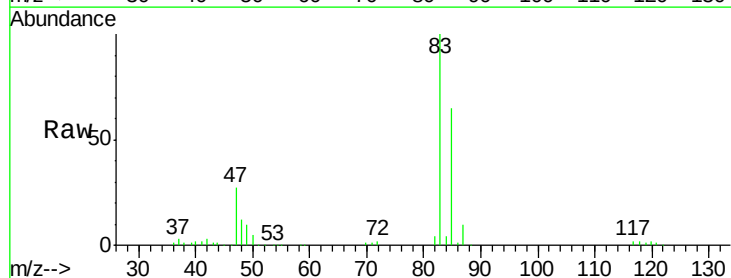
Manual Integrations
APPROVED

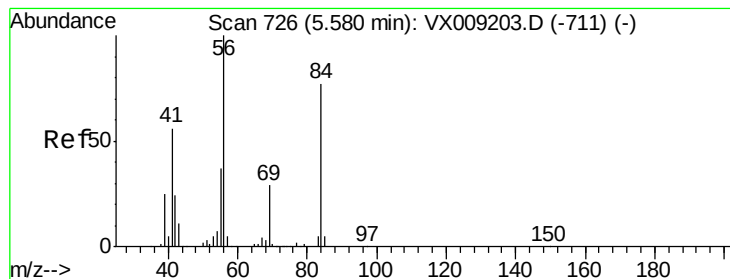
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#30
Chloroform
Concen: 18.039 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009862.D
Acq: 23 May 2019 16:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.5	77.3





#31

Cyclohexane

Concen: 18.835 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX009862.D

Acq: 23 May 2019 16:41

Instrument :

MSVOA_X

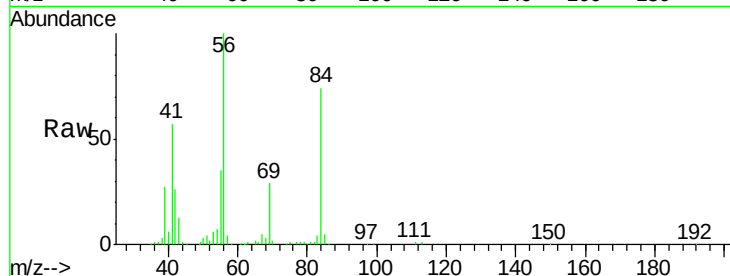
ClientSampleId :

VX0523WBSD01

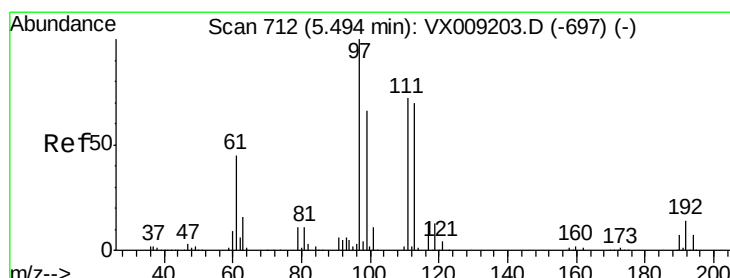
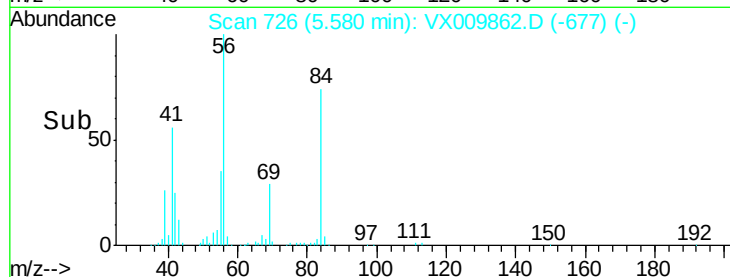
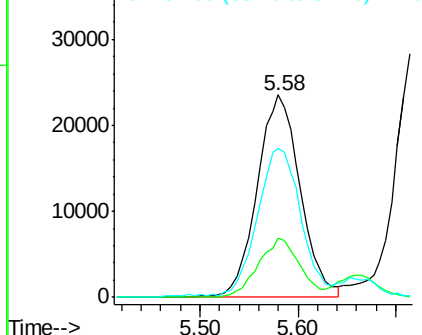
Tot Ion:	56	Resp:	71806
Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.4	35.0
84	72.0	61.9	92.9

Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 17.885 ug/l

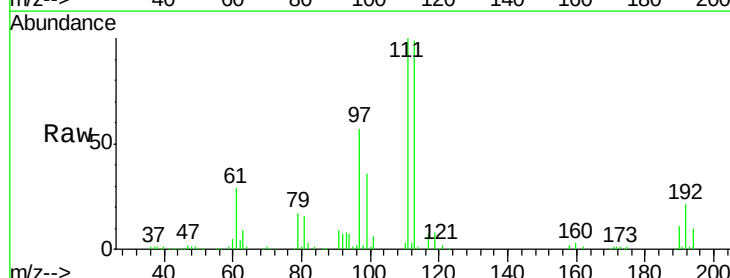
RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

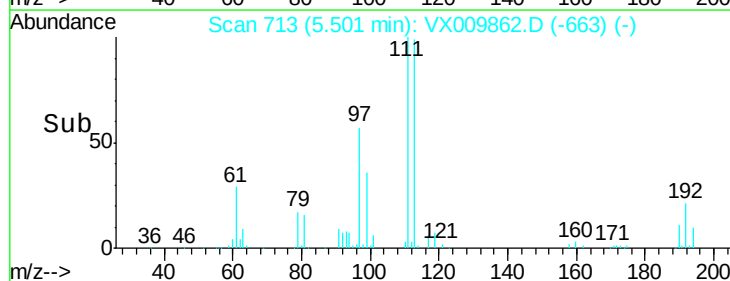
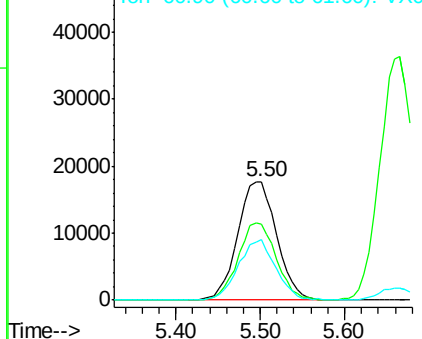
Lab File: VX009862.D

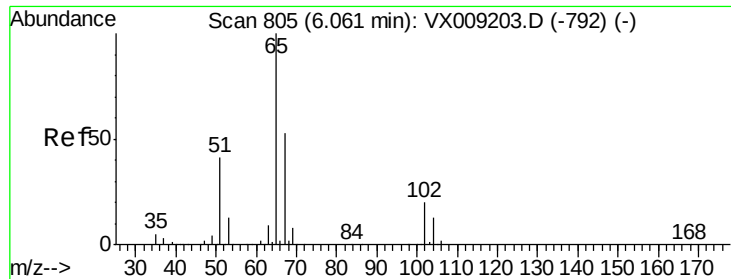
Acq: 23 May 2019 16:41

Tgt Ion:	97	Resp:	55177
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.8	77.8
61	49.5	37.8	56.8



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





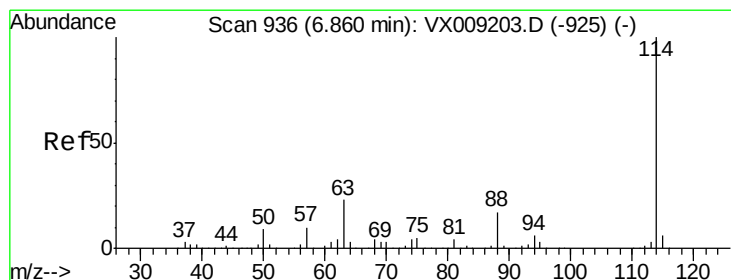
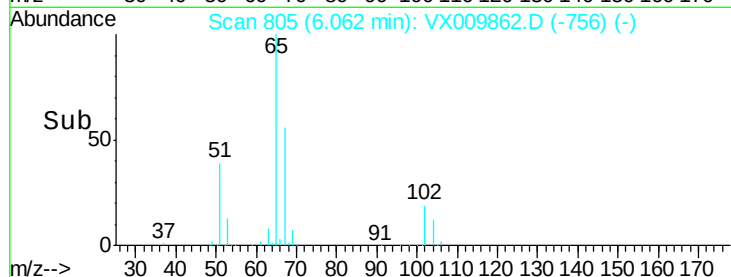
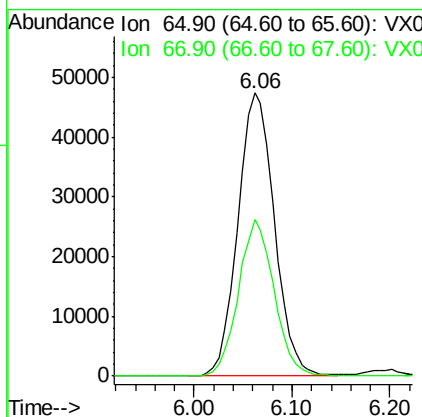
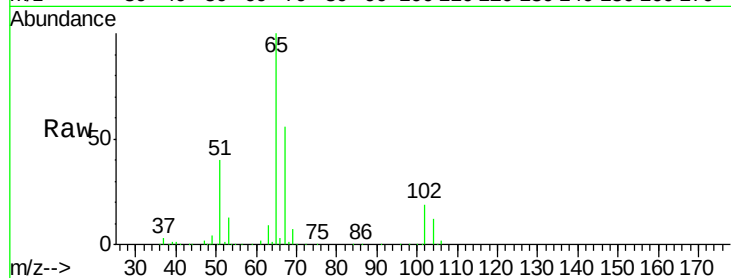
#33
 1,2-Dichloroethane-d4
 Concen: 47.753 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009862.D
 Acq: 23 May 2019 16:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0523WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	123136		
67	54.0	0.0	106.6	

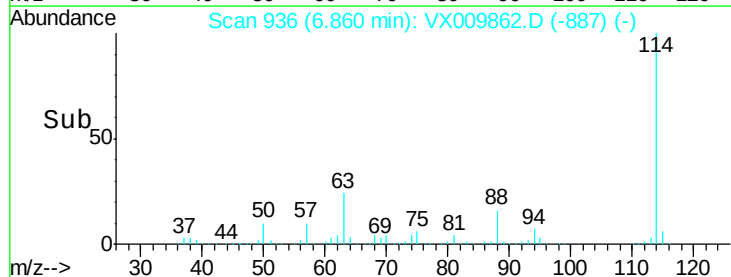
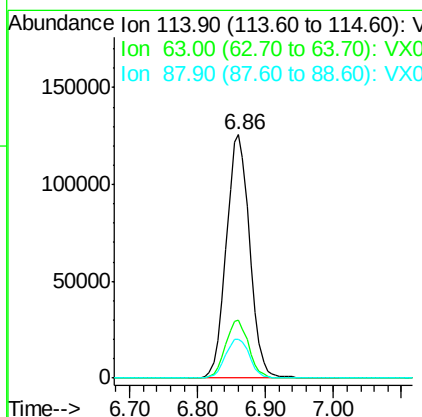
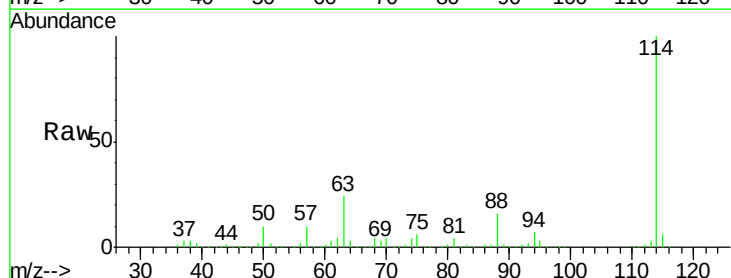
Manual Integrations
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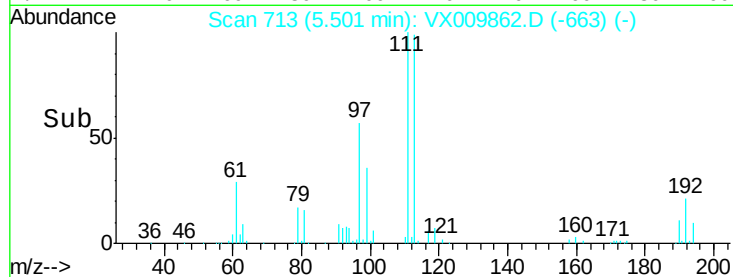
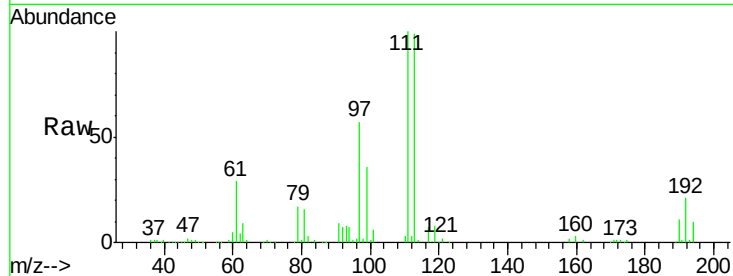
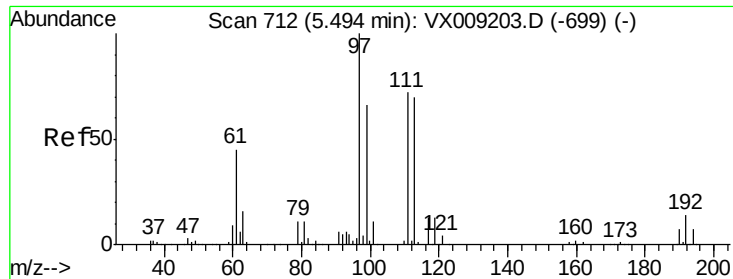
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009862.D
 Acq: 23 May 2019 16:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	298826		
63	23.9	0.0	45.6	
88	15.8	0.0	33.2	





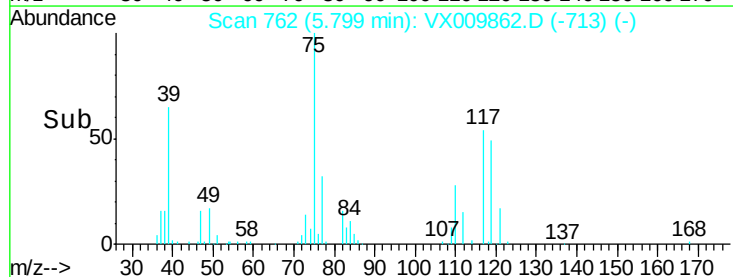
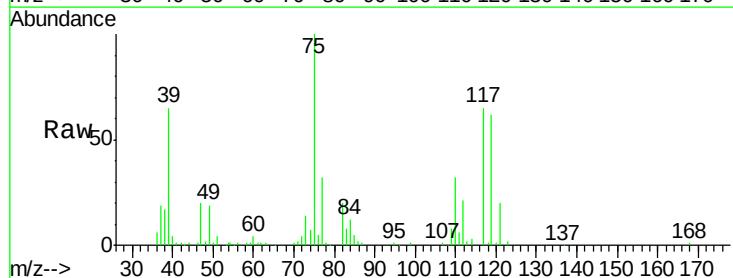
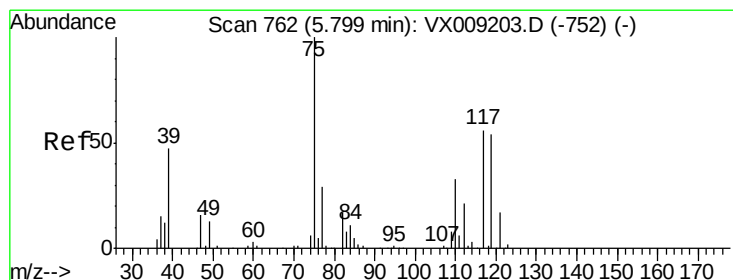
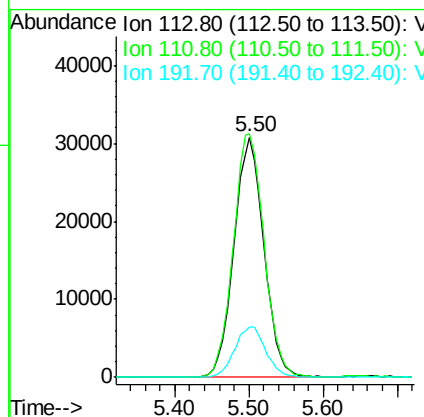
#35
Dibromofluoromethane
Concen: 46.280 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX009862.D
Acq: 23 May 2019 16:41

Tot Ion	Ratio	Resp	Lower	Upper
113	100	86938		
111	104.2	82.8	124.2	
192	21.8	17.0	25.6	

Instrument :
MSVOA_X
ClientSampleId :
VX0523WBSD01

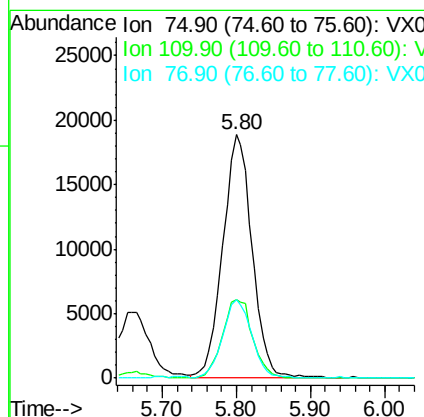
Manual Integrations
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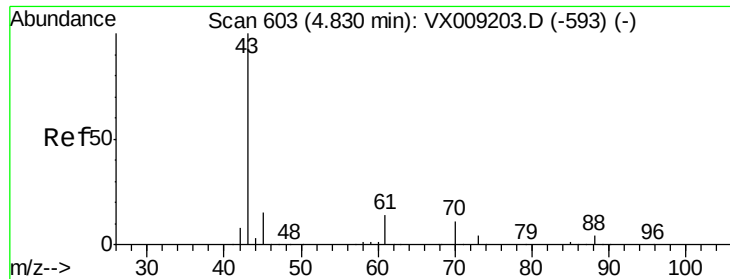
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#36
1,1-Dichloropropene
Concen: 18.655 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.00 min
Lab File: VX009862.D
Acq: 23 May 2019 16:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	51805		
110	33.1	16.9	50.6	
77	32.1	24.8	37.2	





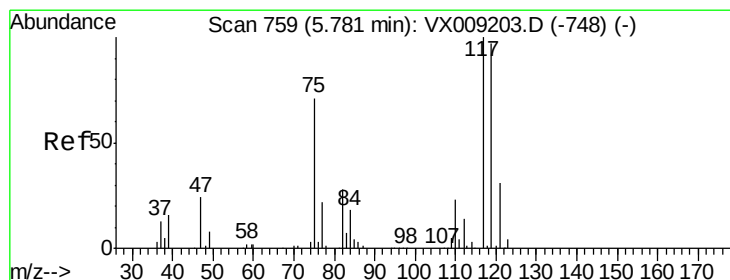
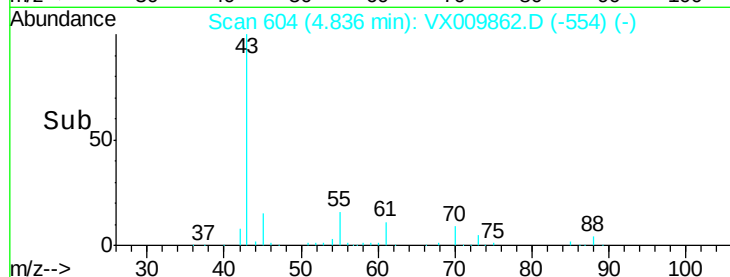
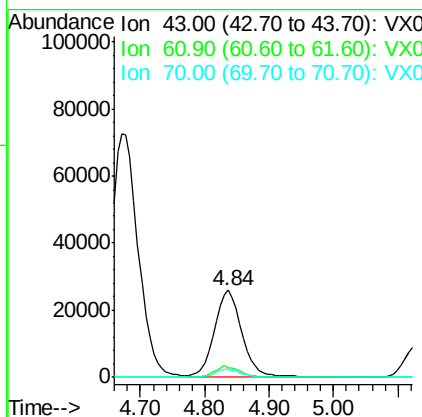
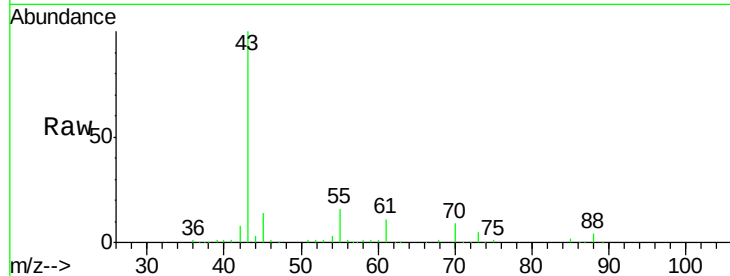
#37
Ethyl Acetate
Concen: 19.865 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009862.D
Acq: 23 May 2019 16:41

Instrument :
MSVOA_X
ClientSampleId :
VX0523WBSD01

Tot Ion	43	Resp	76864
Ion Ratio	100	Lower	Upper
43	100		
61	12.8	10.5	15.7
70	9.2	7.9	11.9

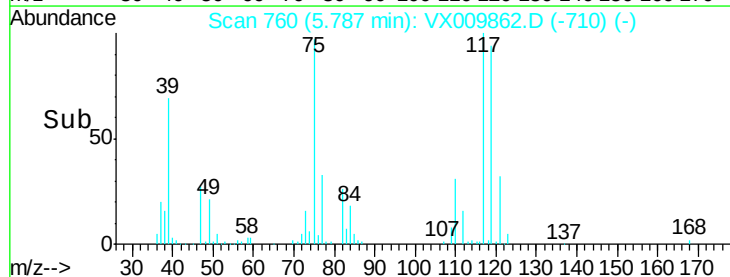
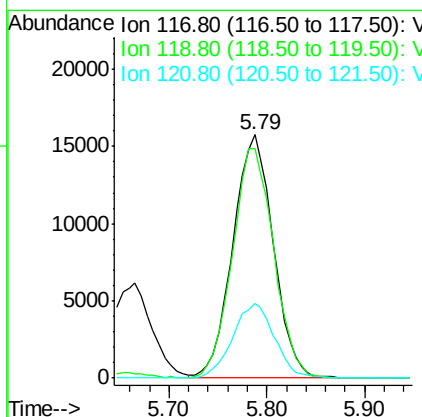
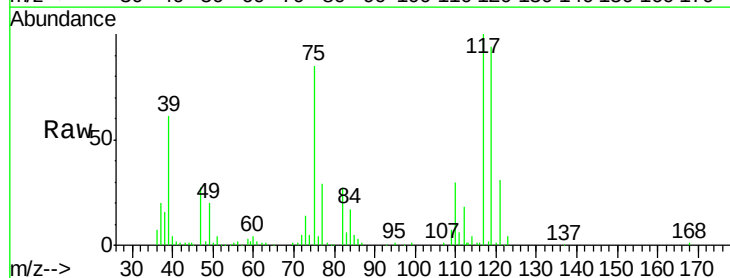
Manual Integrations
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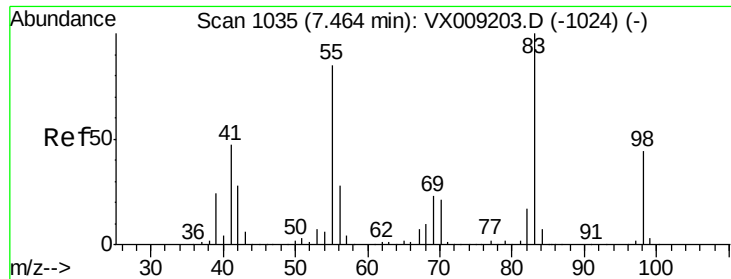
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#38
Carbon Tetrachloride
Concen: 17.976 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX009862.D
Acq: 23 May 2019 16:41

Tgt Ion	117	Resp	45355
Ion Ratio	100	Lower	Upper
117	100		
119	94.2	77.5	116.3
121	30.9	24.7	37.1





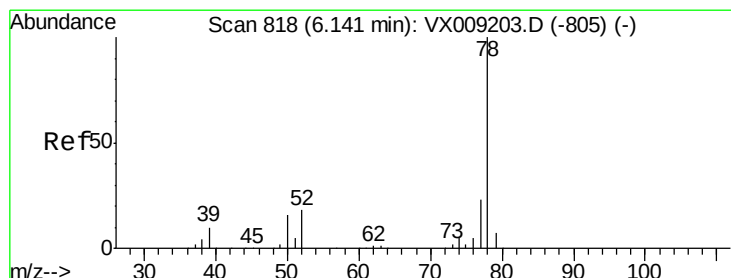
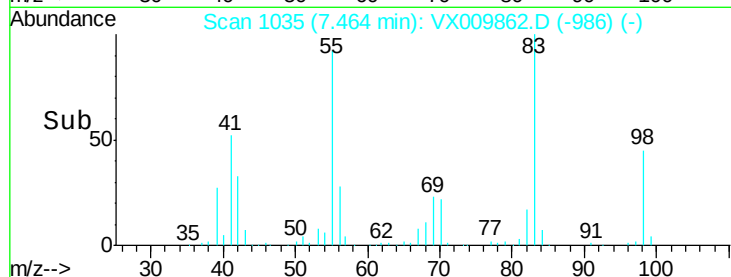
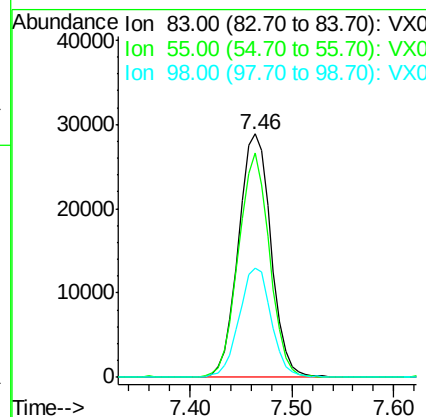
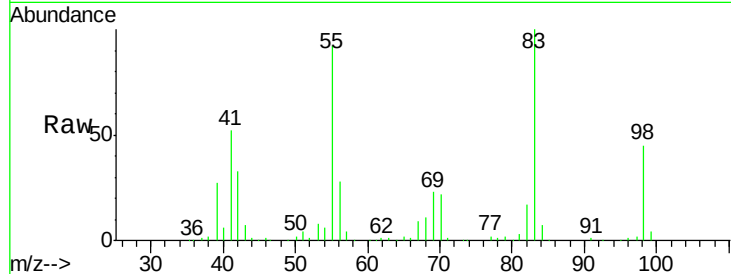
#39
Methylvlcyclohexane
Concen: 18.719 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009862.D
Acq: 23 May 2019 16:41

Instrument :
MSVOA_X
ClientSampleId :
VX0523WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.9	67.7	101.5
98	45.1	35.5	53.3

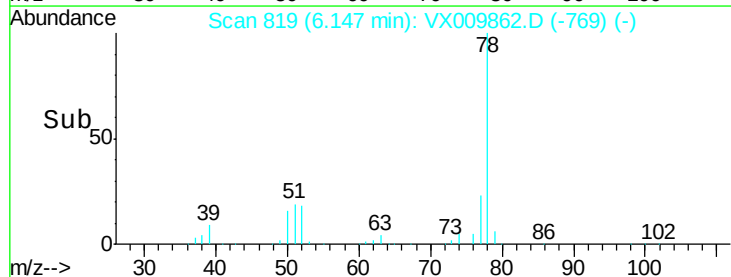
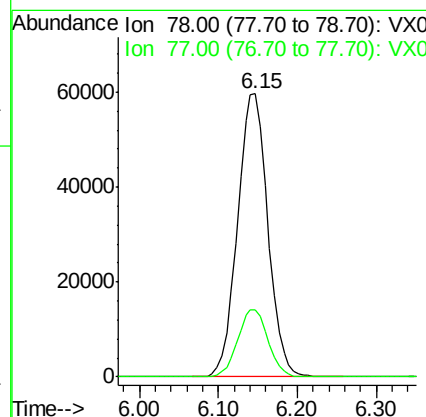
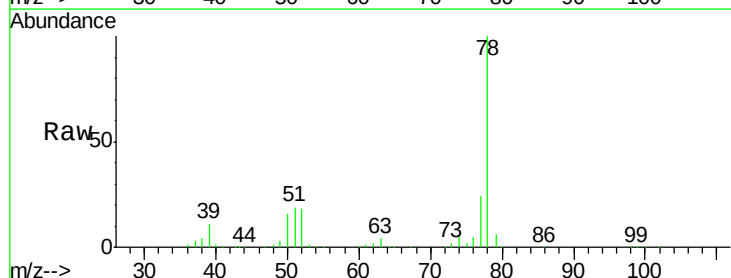
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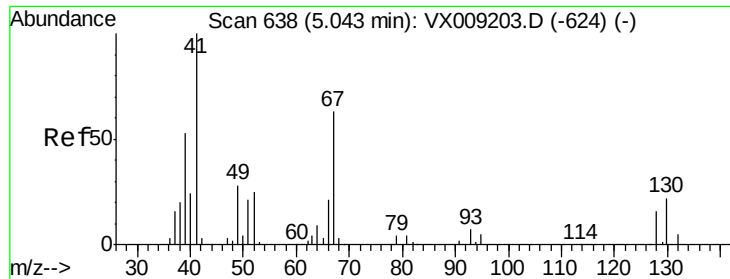
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#40
Benzene
Concen: 18.568 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX009862.D
Acq: 23 May 2019 16:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2





#41

Methacrylonitrile

Concen: 18.408 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX009862.D

Acq: 23 May 2019 16:41

Instrument :

MSVOA_X

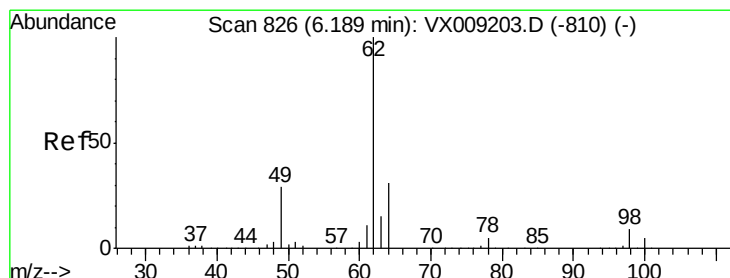
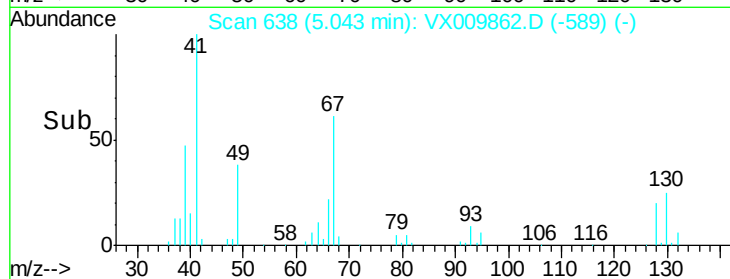
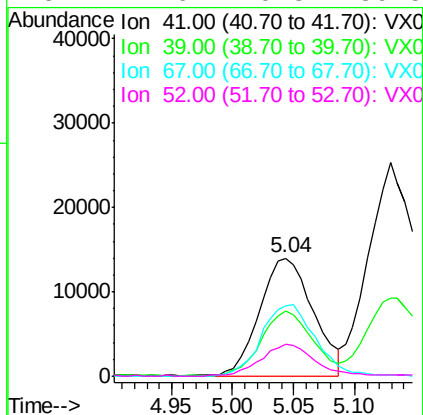
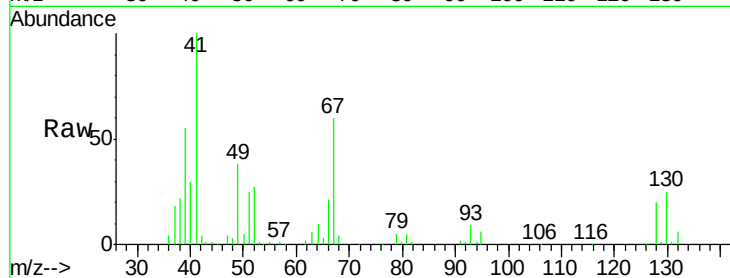
ClientSampleId :

VX0523WBSD01

Tot Ion:	41	Resp:	42397
Ion	Ratio	Lower	Upper
41	100		
39	53.0	42.0	63.0
67	62.1	49.8	74.8
52	27.6	20.3	30.5

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 19.319 ug/l

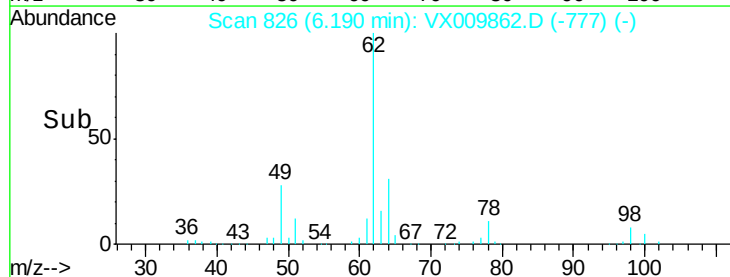
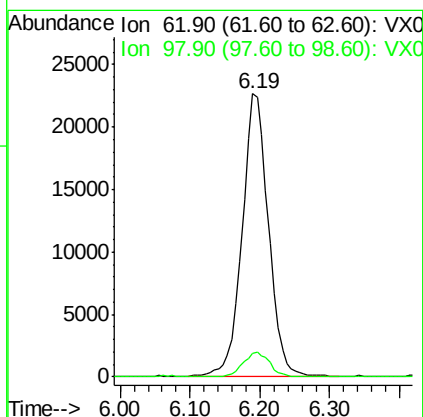
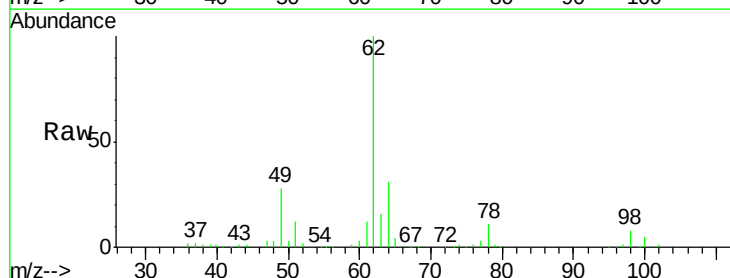
RT: 6.19 min Scan# 826

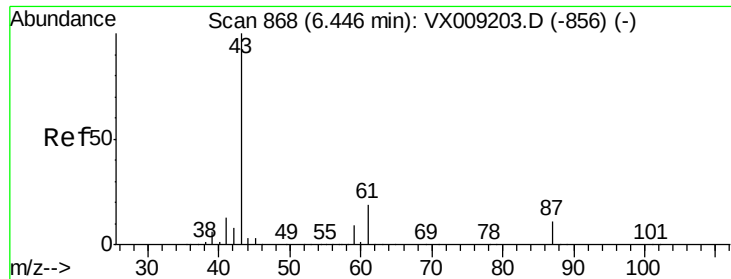
Delta R.T. 0.00 min

Lab File: VX009862.D

Acq: 23 May 2019 16:41

Tgt Ion:	62	Resp:	59560
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.2





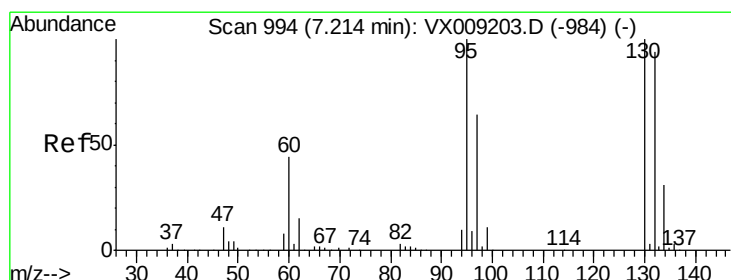
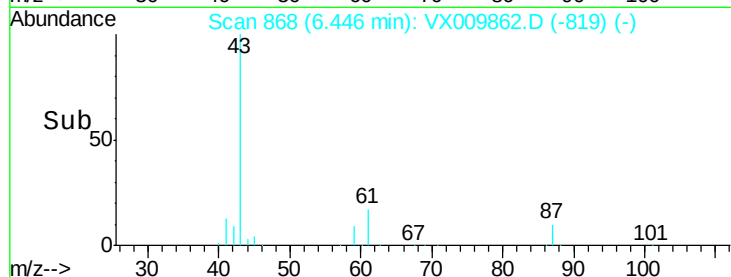
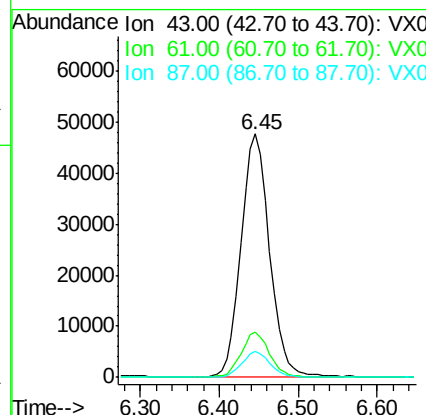
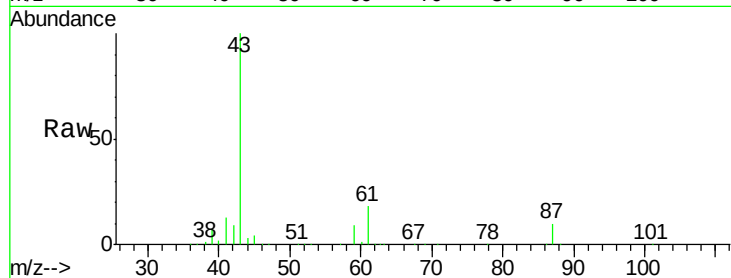
#43
Isopropyl Acetate
Concen: 19.291 ug/l
RT: 6.45 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX009862.D
Acq: 23 May 2019 16:41

Instrument :
MSVOA_X
ClientSampleId :
VX0523WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.4	15.1	22.7
87	10.7	9.0	13.6

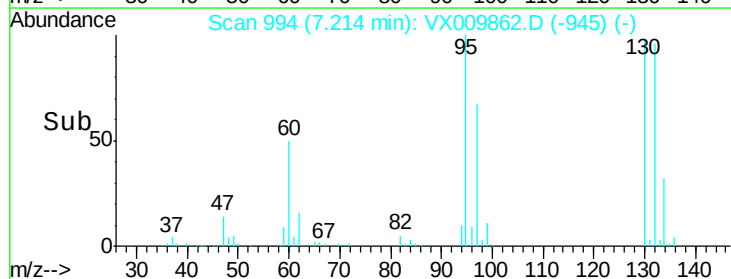
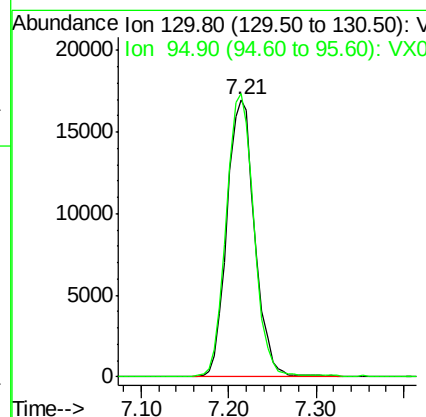
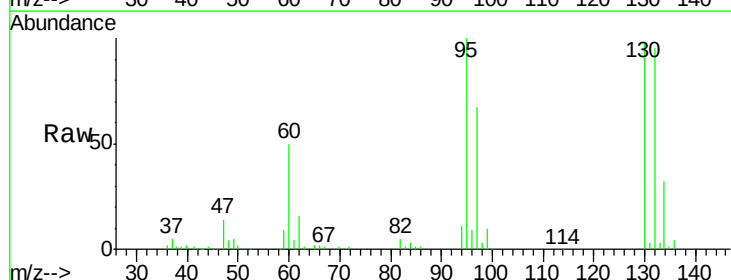
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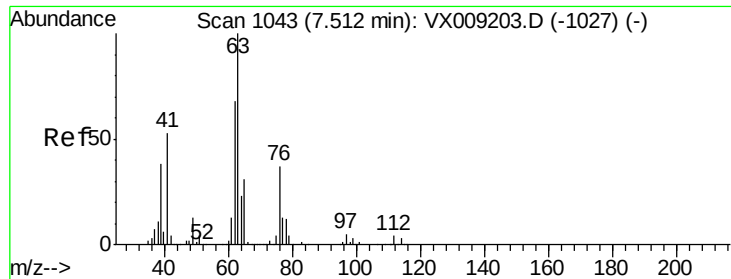
MMDadoda
5/24/2019 9:02:09 AM



#44
Trichloroethene
Concen: 18.027 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX009862.D
Acq: 23 May 2019 16:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	199.2





#45

1,2-Dichloropropane

Concen: 18.896 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009862.D

Acq: 23 May 2019 16:41

Instrument :

MSVOA_X

ClientSampleId :

VX0523WBSD01

Tot Ion: 63 Resp: 45986

Ion Ratio Lower Upper

63 100

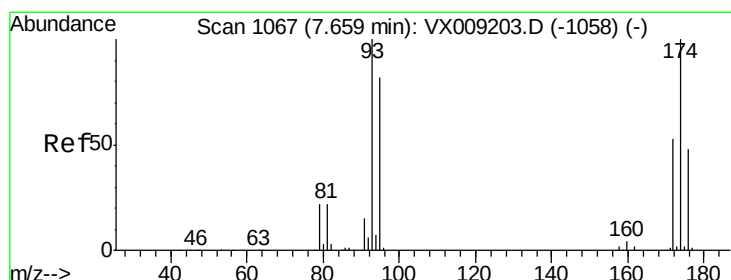
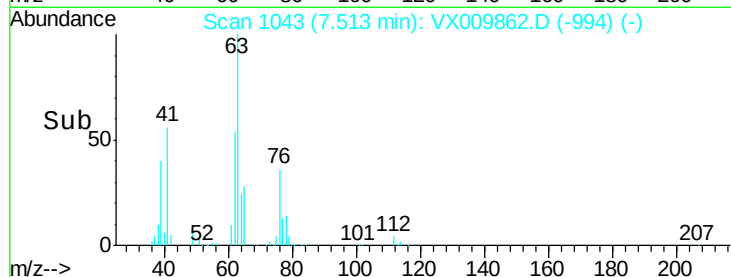
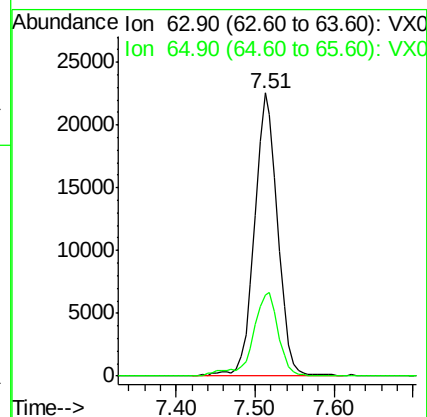
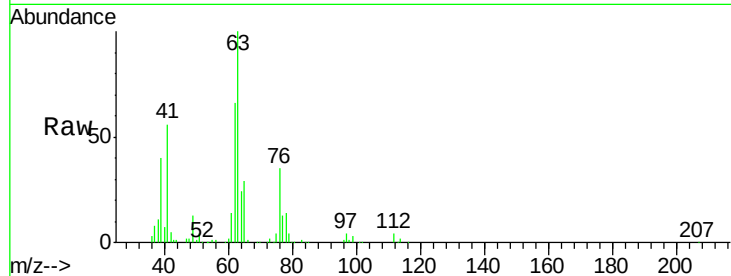
65 28.8 25.0 37.6

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#46

Dibromomethane

Concen: 18.324 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009862.D

Acq: 23 May 2019 16:41

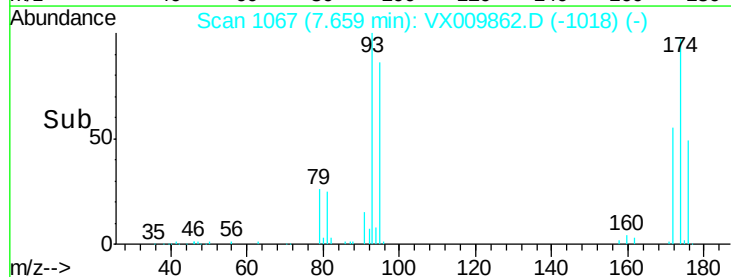
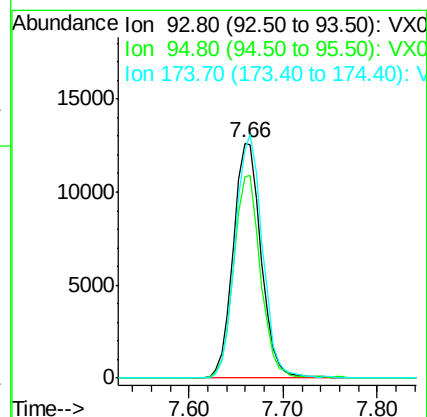
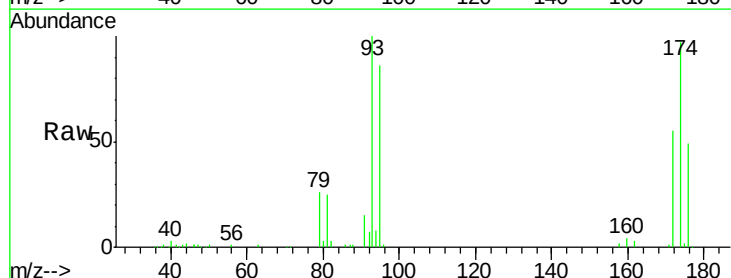
Tgt Ion: 93 Resp: 25895

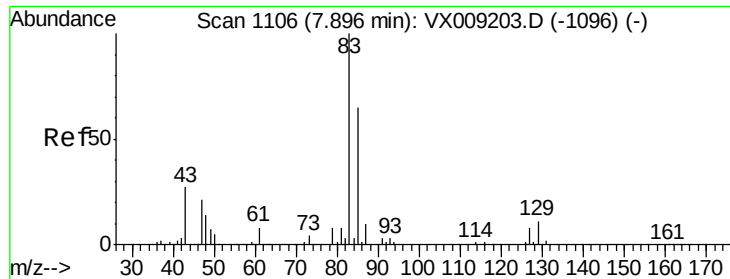
Ion Ratio Lower Upper

93 100

95 83.1 66.5 99.7

174 100.8 82.1 123.1





#47

Bromodichloromethane

Concen: 18.244 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009862.D

Acq: 23 May 2019 16:41

Instrument :

MSVOA_X

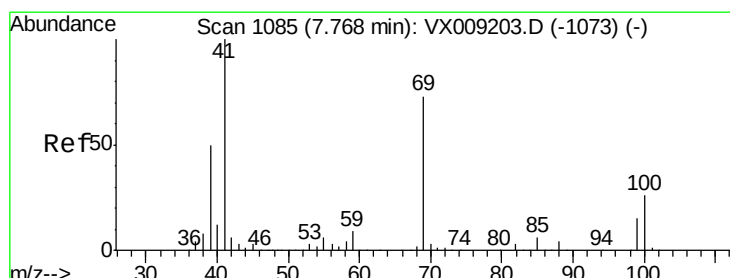
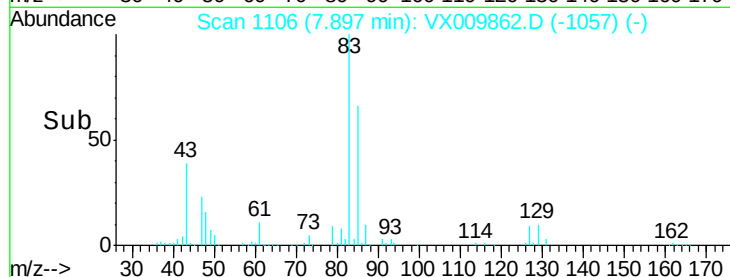
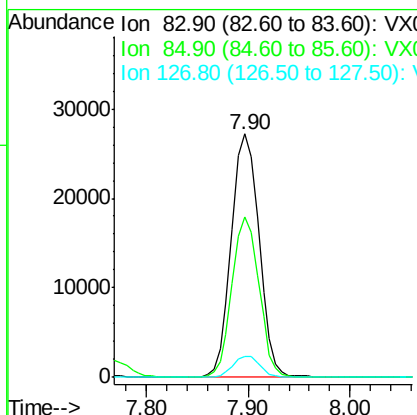
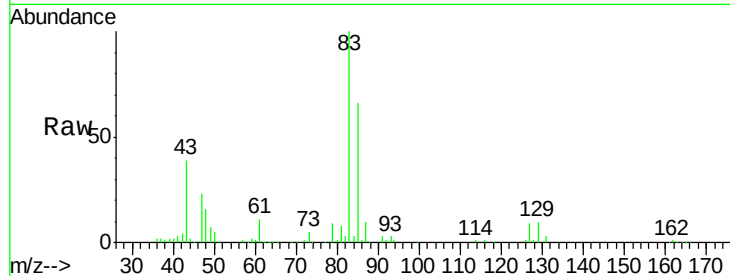
ClientSampleId :

VX0523WBSD01

Tot Ion:	83	Resp:	51430
Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.4	78.6
127	8.8	6.6	10.0

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#48

Methyl methacrylate

Concen: 19.586 ug/l

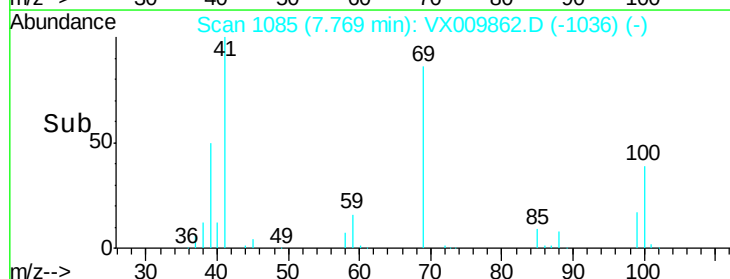
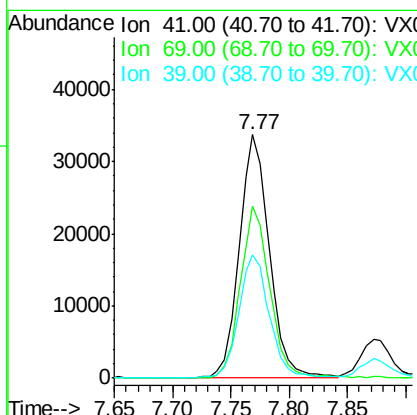
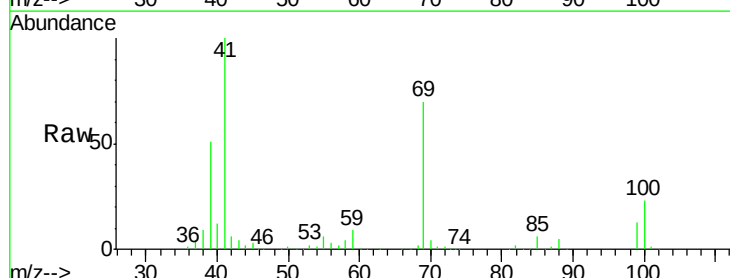
RT: 7.77 min Scan# 1085

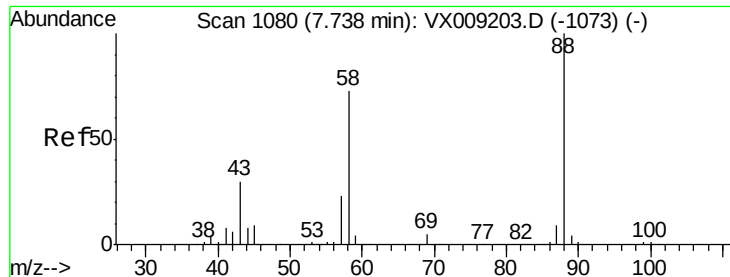
Delta R.T. 0.00 min

Lab File: VX009862.D

Acq: 23 May 2019 16:41

Tgt Ion:	41	Resp:	60140
Ion	Ratio	Lower	Upper
41	100		
69	70.0	59.1	88.7
39	51.2	40.4	60.6





#49

1,4-Dioxane

Concen: 358.439 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX009862.D

Acq: 23 May 2019 16:41

Instrument :

MSVOA_X

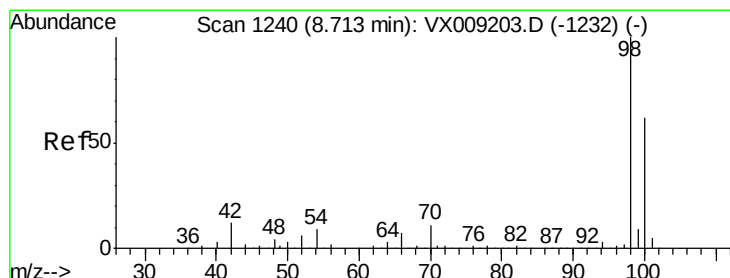
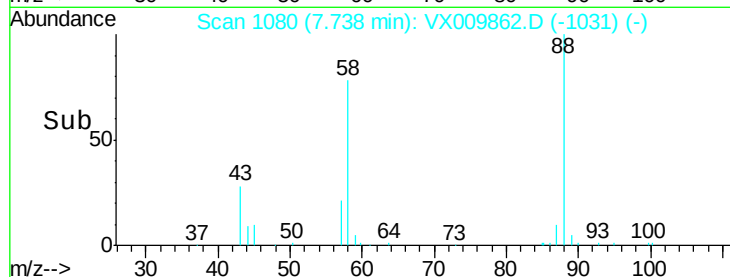
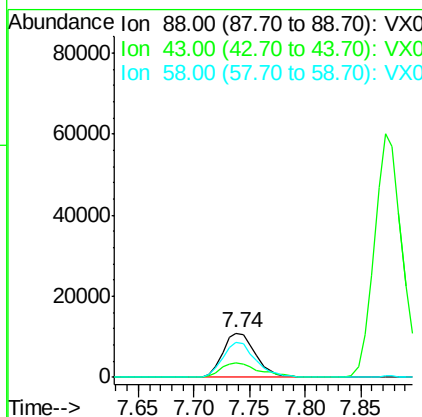
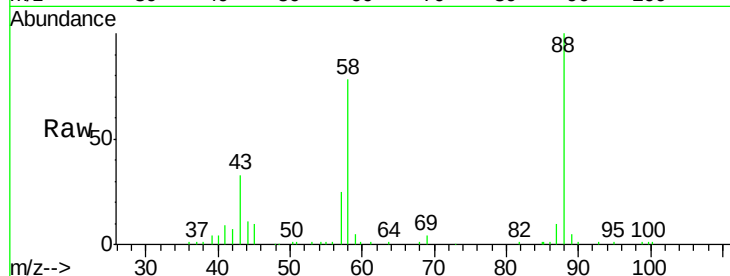
ClientSampleId :

VX0523WBSD01

Tot Ion:	88	Resp:	22320
Ion	Ratio	Lower	Upper
88	100		
43	39.3	28.6	42.8
58	80.2	61.7	92.5

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#50

Toluene-d8

Concen: 47.765 ug/l

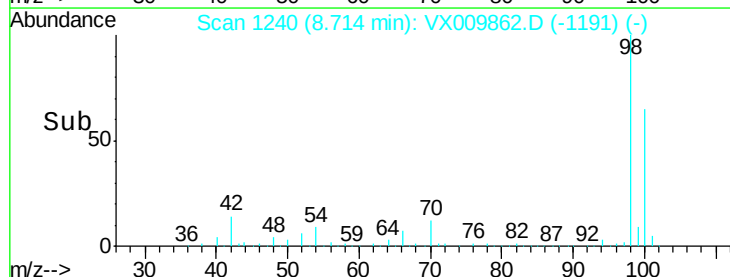
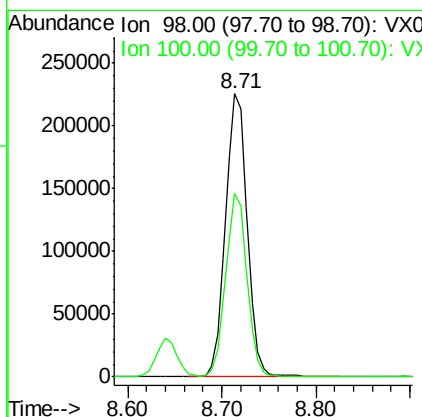
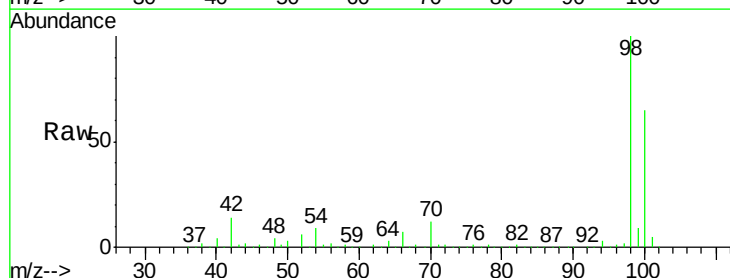
RT: 8.71 min Scan# 1240

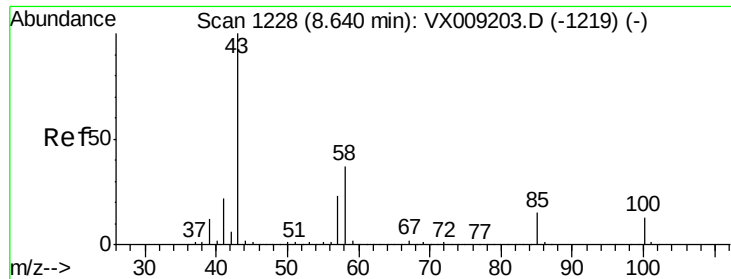
Delta R.T. 0.00 min

Lab File: VX009862.D

Acq: 23 May 2019 16:41

Tgt Ion:	98	Resp:	362254
Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 98.487 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009862.D

Acq: 23 May 2019 16:41

Instrument :

MSVOA_X

ClientSampleId :

VX0523WBSD01

Tot Ion: 43 Resp: 398407

Ion Ratio Lower Upper

43 100

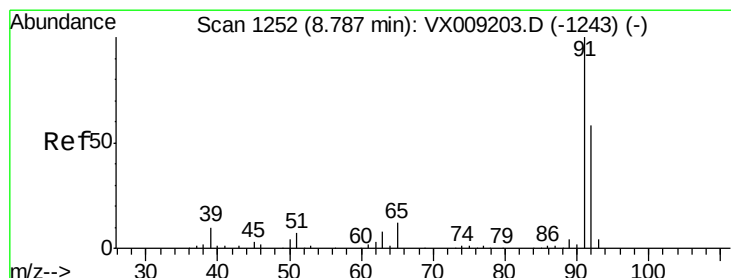
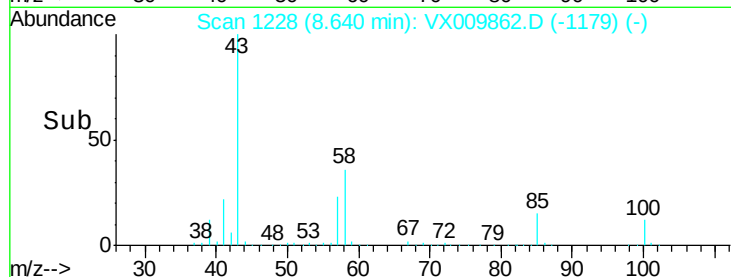
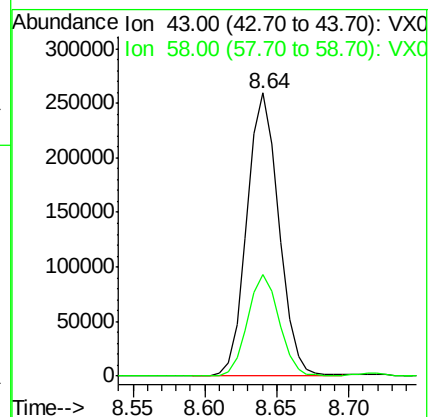
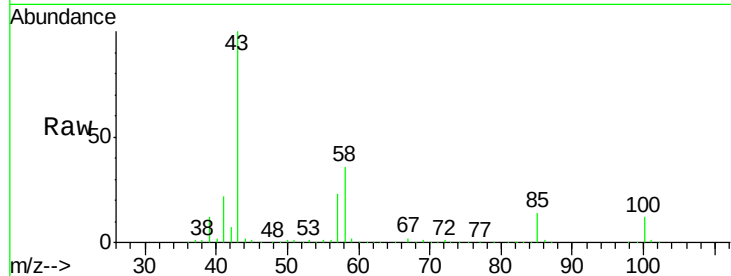
58 35.6 29.5 44.3

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#52

Toluene

Concen: 18.373 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009862.D

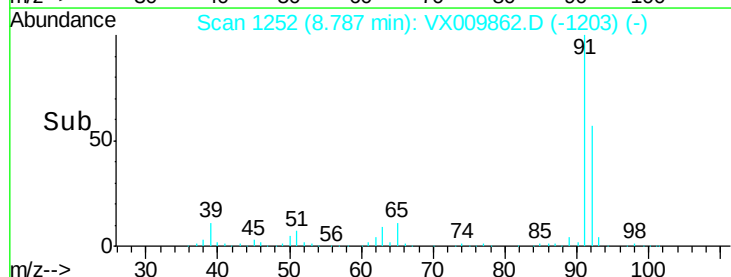
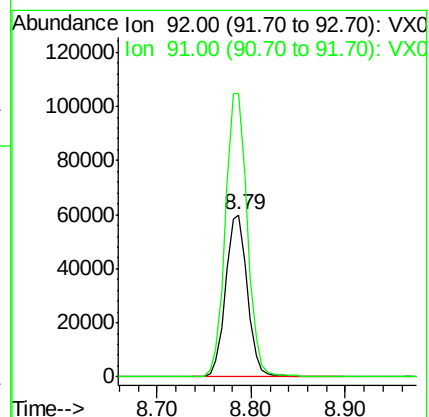
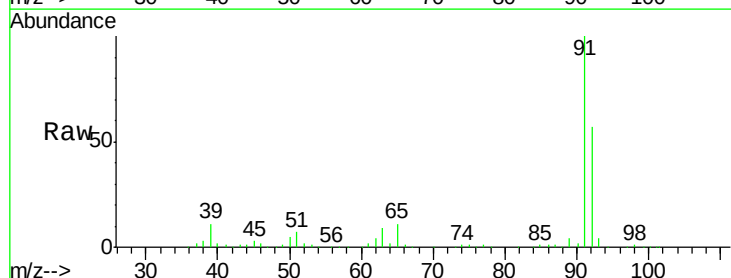
Acq: 23 May 2019 16:41

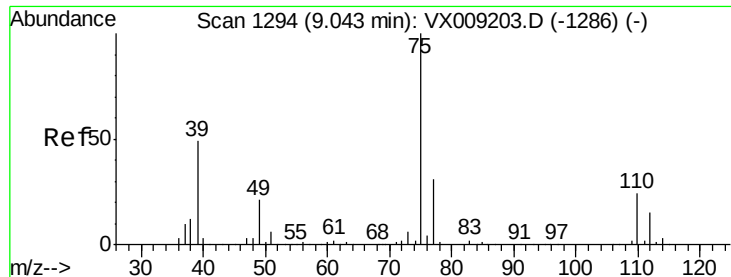
Tgt Ion: 92 Resp: 95985

Ion Ratio Lower Upper

92 100

91 176.9 138.8 208.2





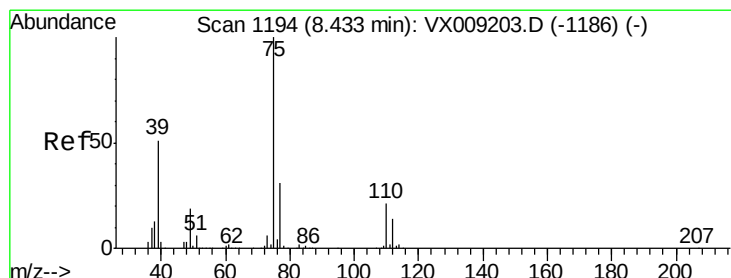
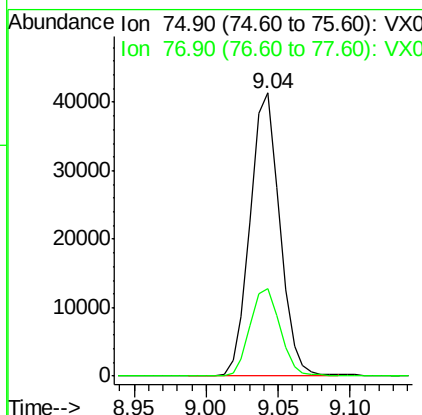
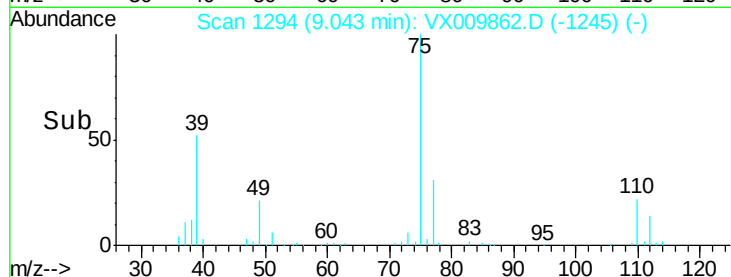
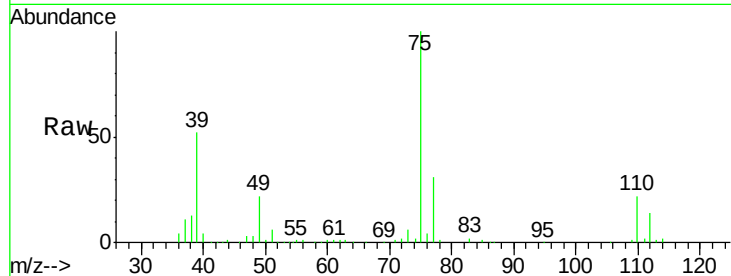
#53
 t-1,3-Dichloropropene
 Concen: 18.497 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX009862.D
 Acq: 23 May 2019 16:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0523WBSD01

Tot Ion: 75 Resp: 58870
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.0 37.6

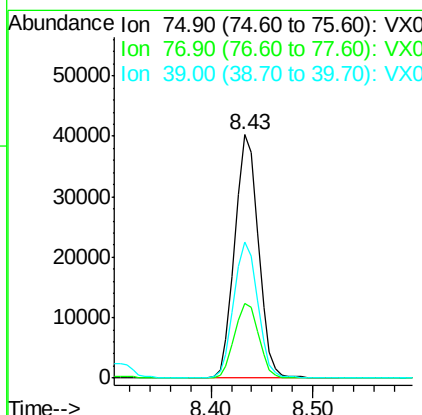
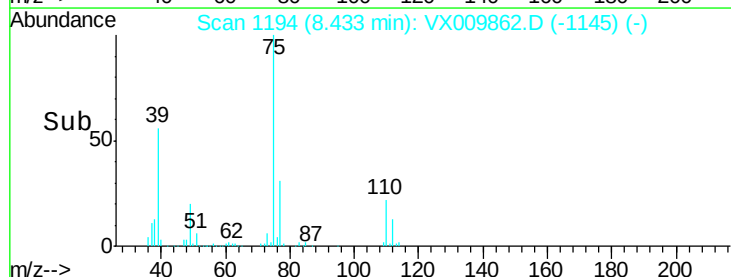
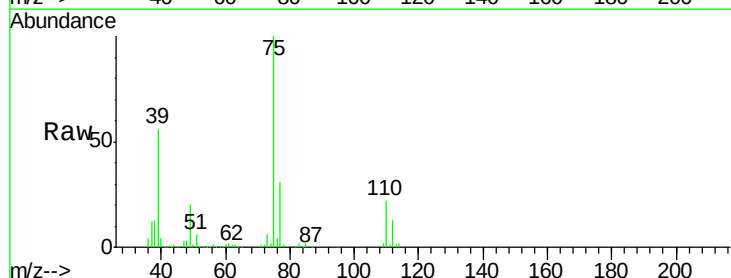
Manual Integrations
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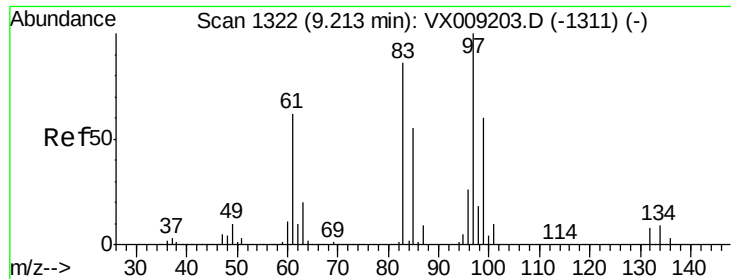
MMDadoda
 5/24/2019 9:02:09 AM



#54
 cis-1,3-Dichloropropene
 Concen: 18.285 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX009862.D
 Acq: 23 May 2019 16:41

Tgt Ion: 75 Resp: 64412
 Ion Ratio Lower Upper
 75 100
 77 30.6 24.6 36.8
 39 56.0 40.6 60.8





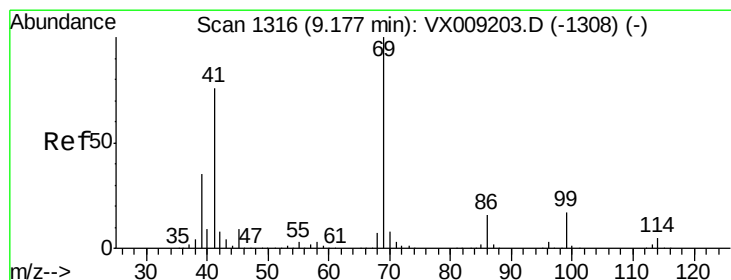
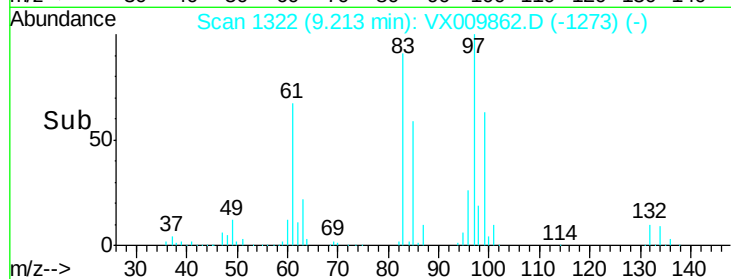
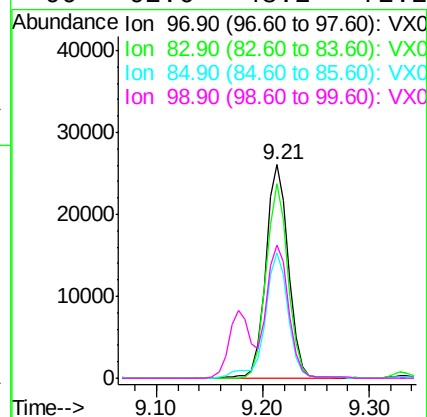
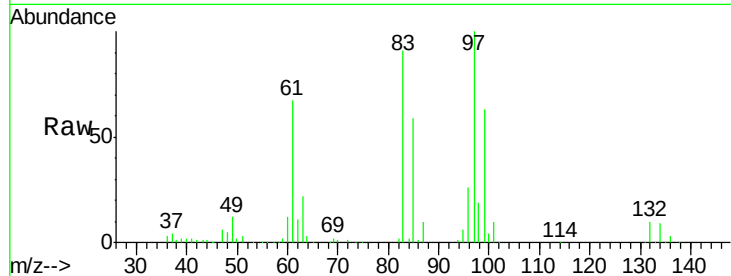
#55
 1,1,2-Trichloroethane
 Concen: 18.175 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009862.D
 Acq: 23 May 2019 16:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0523WBSD01

Tot Ion:	97	Resp:	38737
Ion Ratio	Lower	Upper	
97	100		
83	91.4	68.9	103.3
85	58.7	43.8	65.6
99	62.6	48.2	72.2

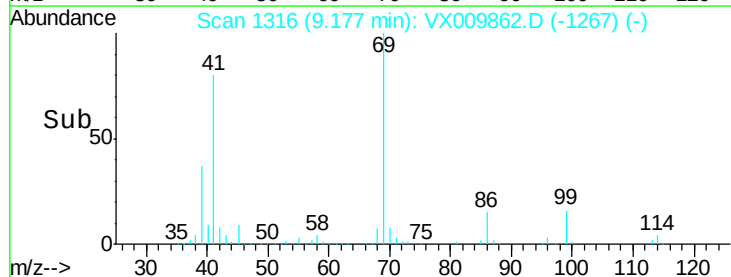
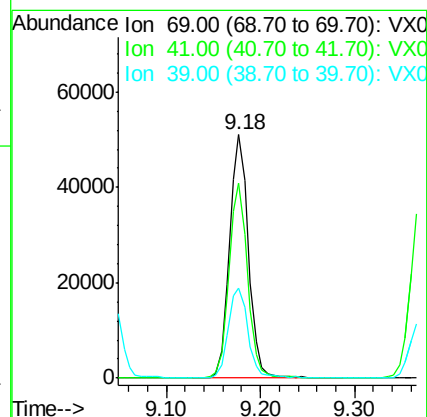
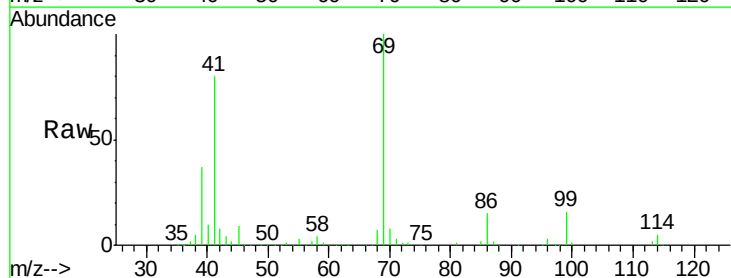
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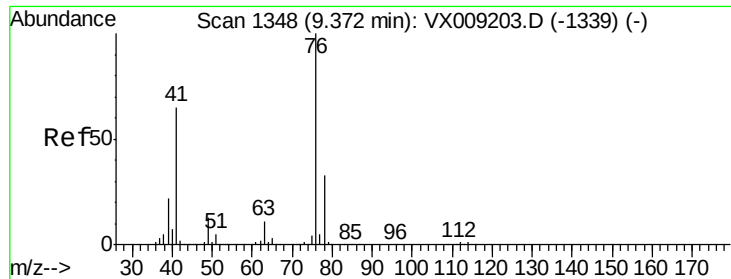
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#56
 Ethyl methacrylate
 Concen: 18.703 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009862.D
 Acq: 23 May 2019 16:41

Tgt Ion:	69	Resp:	71158
Ion Ratio	Lower	Upper	
69	100		
41	78.7	60.6	90.8
39	38.1	28.2	42.4





#57

1,3-Dichloropropane

Concen: 18.475 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX009862.D

Acq: 23 May 2019 16:41

Instrument :

MSVOA_X

ClientSampled :

VX0523WBSD01

Tot Ion: 76 Resp: 69294

Ion Ratio Lower Upper

76 100

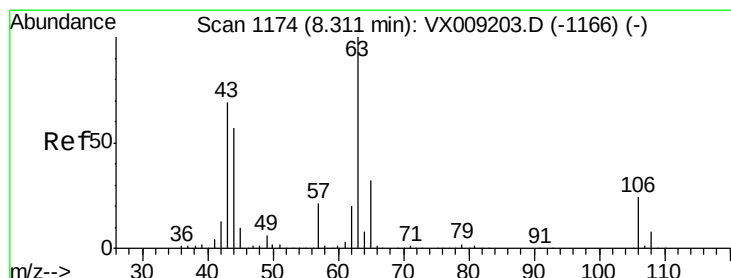
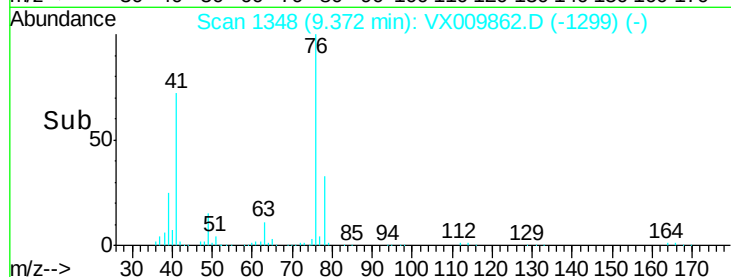
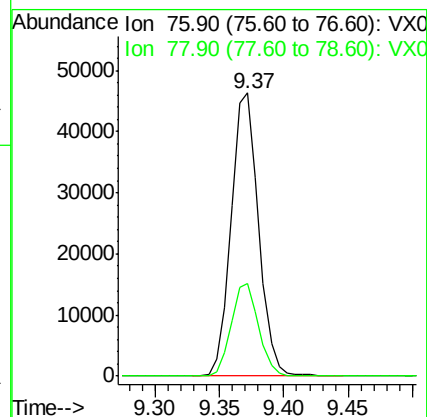
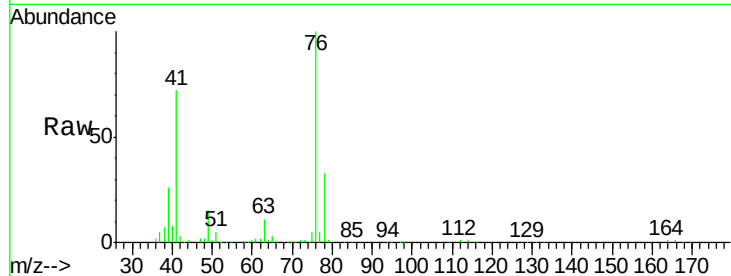
78 32.7 25.5 38.3

Manual Integrations

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5/24/2019 9:02:09 AM



#58

2-Chloroethyl Vinyl ether

Concen: 94.332 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX009862.D

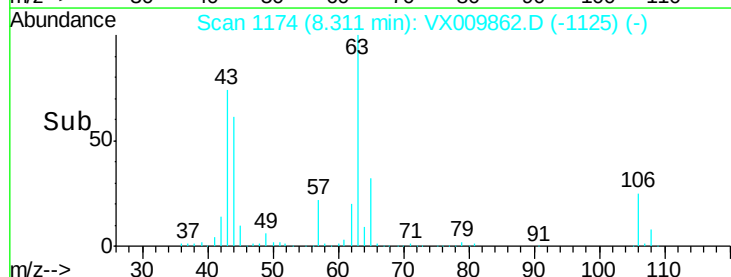
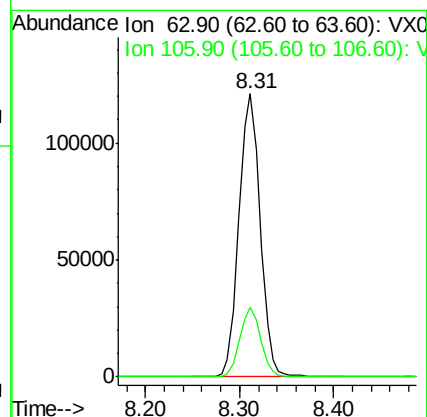
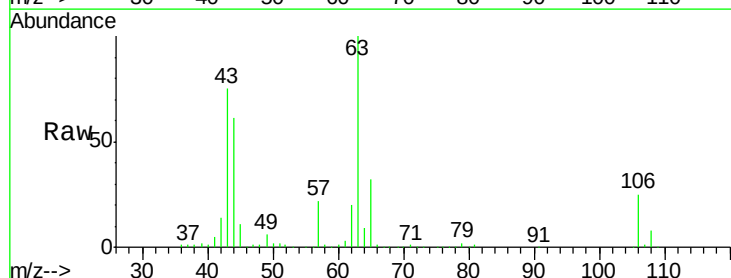
Acq: 23 May 2019 16:41

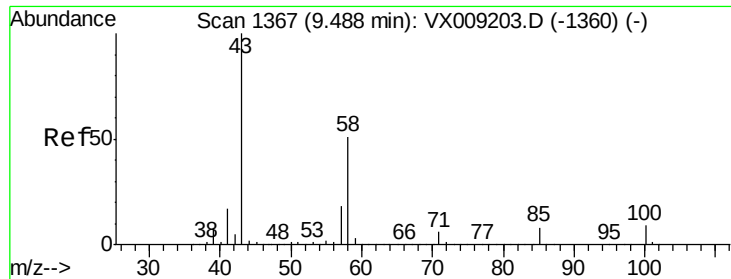
Tgt Ion: 63 Resp: 190394

Ion Ratio Lower Upper

63 100

106 24.2 19.7 29.5





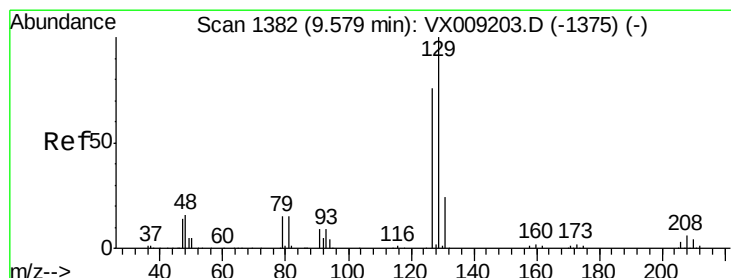
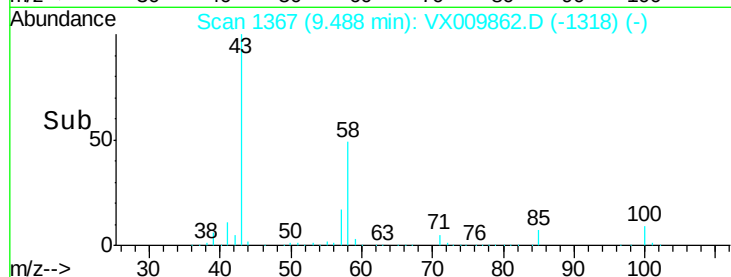
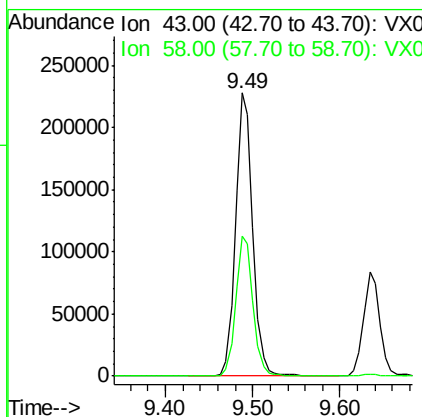
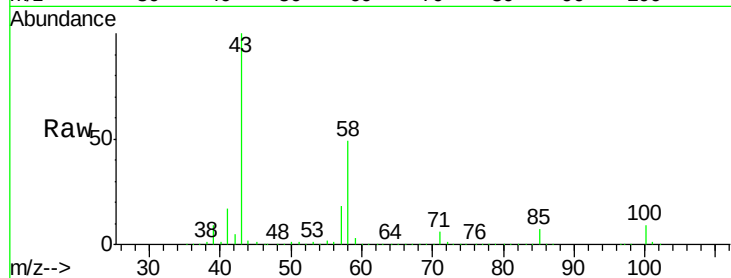
#59
2-Hexanone
Concen: 98.375 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009862.D
Acq: 23 May 2019 16:41

Instrument :
MSVOA_X
ClientSampleId :
VX0523WBSD01

Tot Ion: 43 Resp: 312550
Ion Ratio Lower Upper
43 100
58 49.6 25.9 77.7

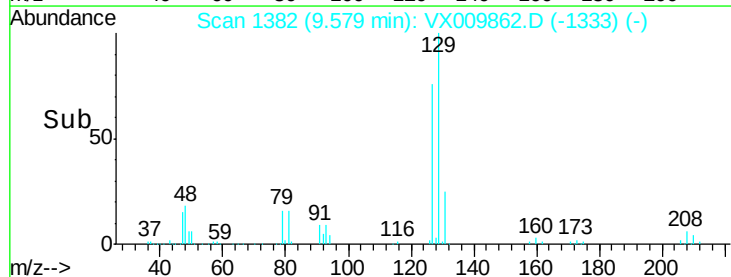
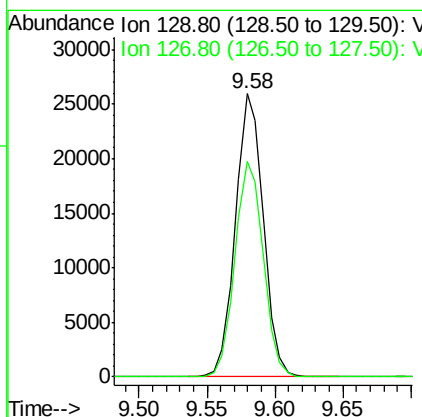
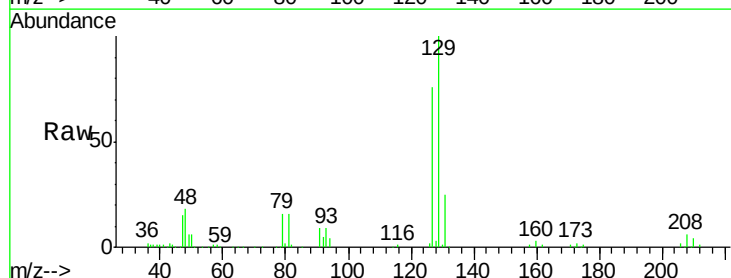
Manual Integrations
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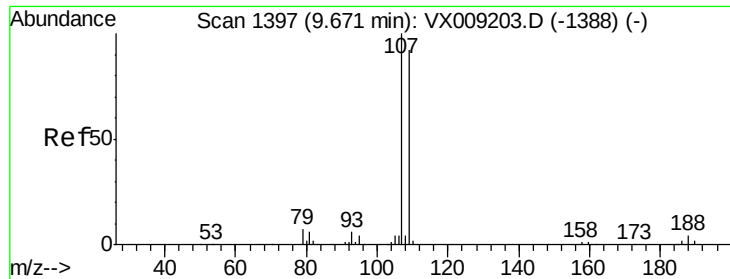
MMDadoda
5/24/2019 9:02:09 AM



#60
Dibromochloromethane
Concen: 17.771 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009862.D
Acq: 23 May 2019 16:41

Tgt Ion: 129 Resp: 36994
Ion Ratio Lower Upper
129 100
127 77.3 38.4 115.1





#61

1,2-Dibromoethane

Concen: 18.435 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009862.D

Acq: 23 May 2019 16:41

Instrument :

MSVOA_X

ClientSampleId :

VX0523WBSD01

Tot Ion:107 Resp: 39662

Ion Ratio Lower Upper

107 100

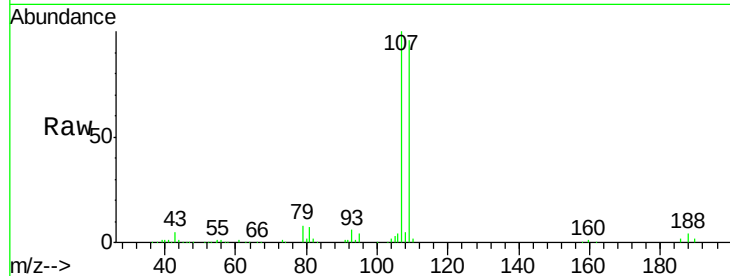
109 93.7 75.2 112.8

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

30000

25000

20000

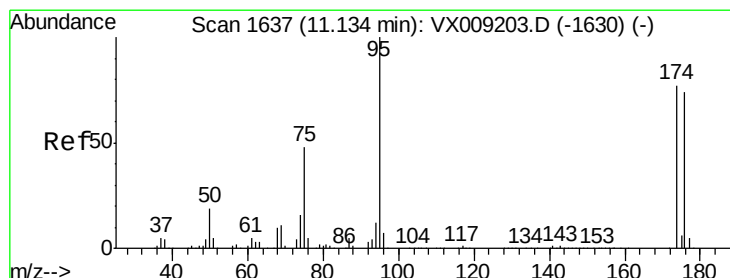
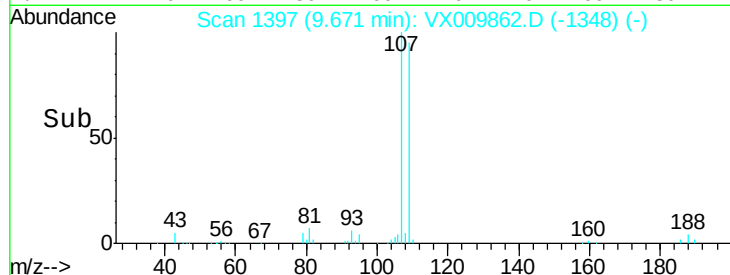
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.213 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009862.D

Acq: 23 May 2019 16:41

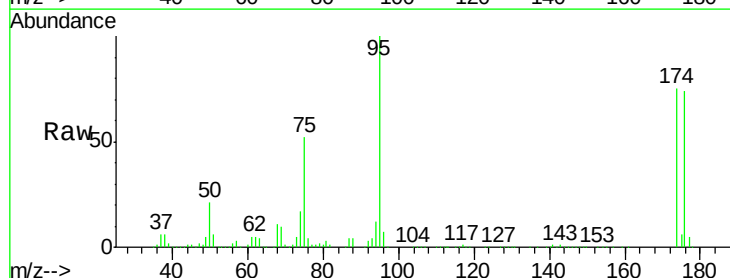
Tgt Ion: 95 Resp: 130109

Ion Ratio Lower Upper

95 100

174 79.9 0.0 161.6

176 77.8 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

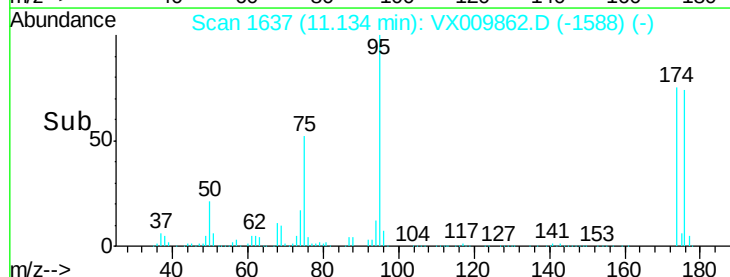
11.13

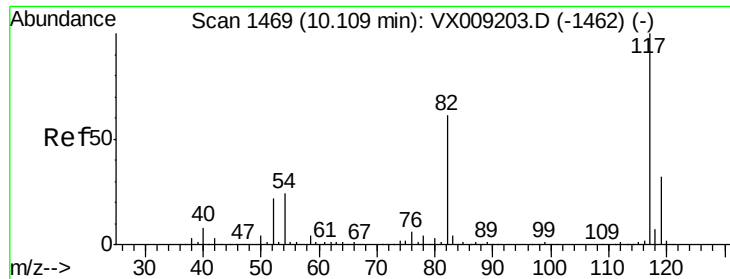
100000

50000

0

Time-->





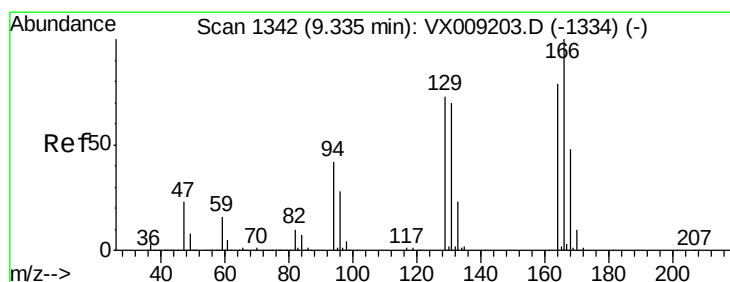
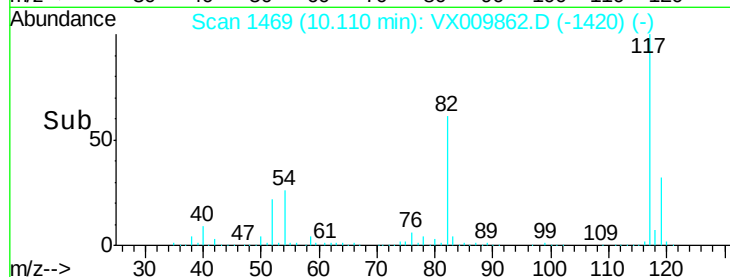
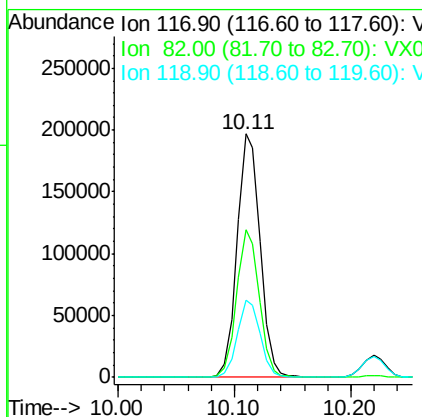
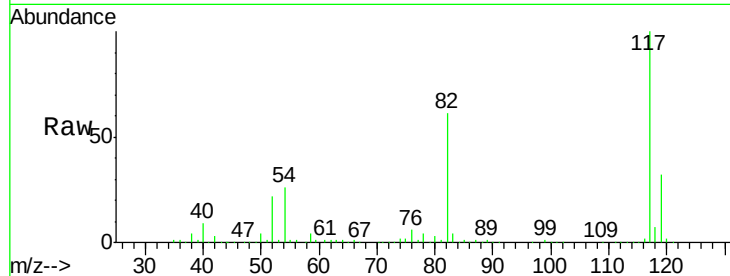
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009862.D
Acq: 23 May 2019 16:41

Instrument :
MSVOA_X
ClientSampleId :
VX0523WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.6	48.8	73.2
119	31.7	25.8	38.6

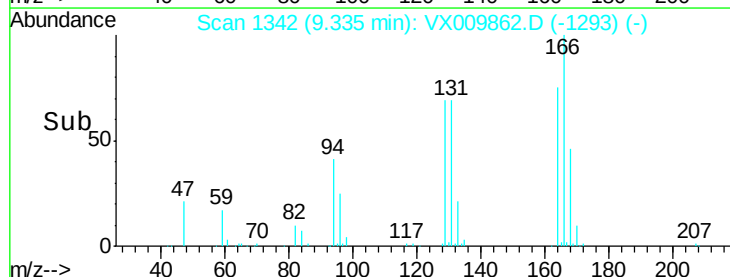
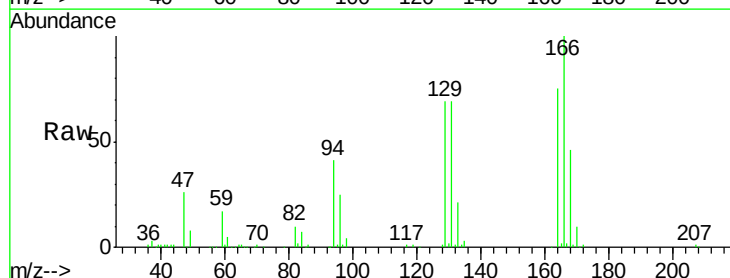
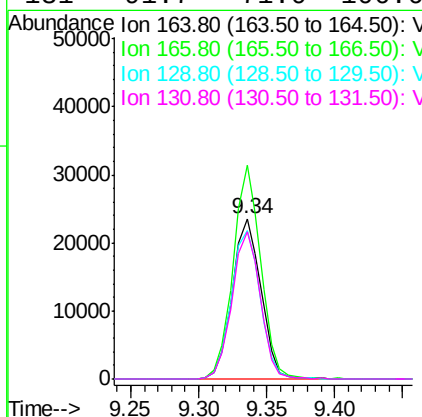
Manual Integrations
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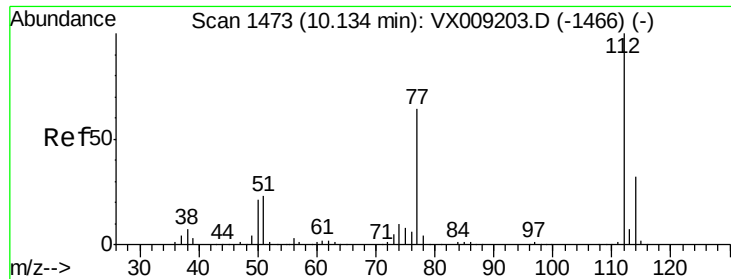
MMDadoda
5/24/2019 9:02:09 AM



#64
Tetrachloroethene
Concen: 18.628 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009862.D
Acq: 23 May 2019 16:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.2	101.2	151.8
129	92.5	74.3	111.5
131	91.7	71.0	106.6





#65

Chlorobenzene

Concen: 18.119 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX009862.D

Acq: 23 May 2019 16:41

Instrument :

MSVOA_X

ClientSampleId :

VX0523WBSD01

Tot Ion:112 Resp: 98453

Ion Ratio Lower Upper

112 100

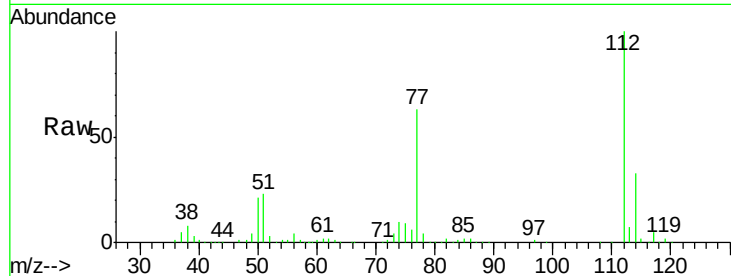
114 33.3 25.5 38.3

Manual Integrations

APPROVED

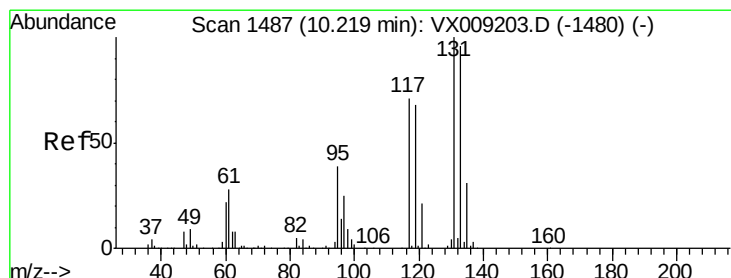
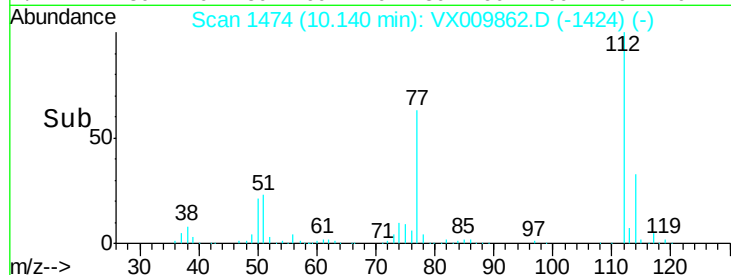
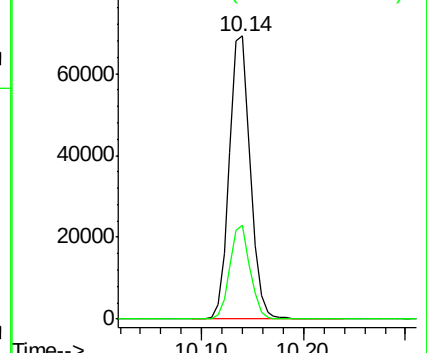
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.070 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX009862.D

Acq: 23 May 2019 16:41

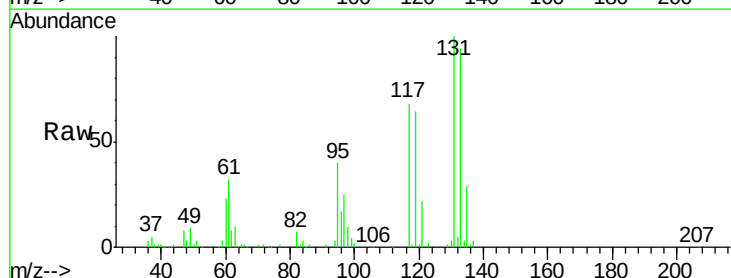
Tgt Ion:131 Resp: 35597

Ion Ratio Lower Upper

131 100

133 94.2 47.7 143.1

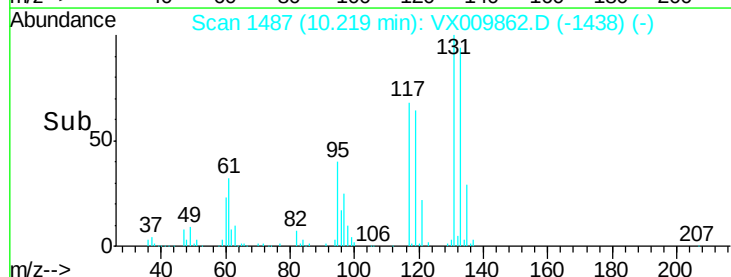
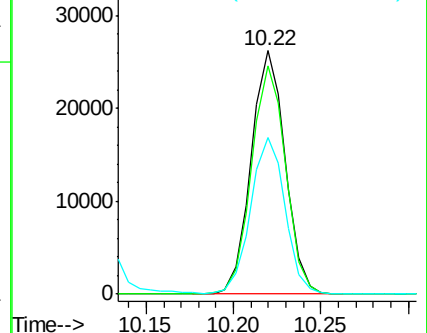
119 65.1 33.5 100.4

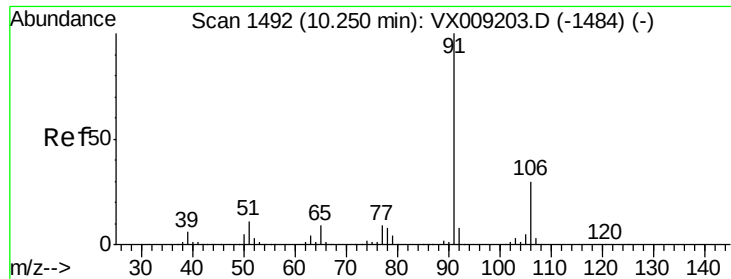


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





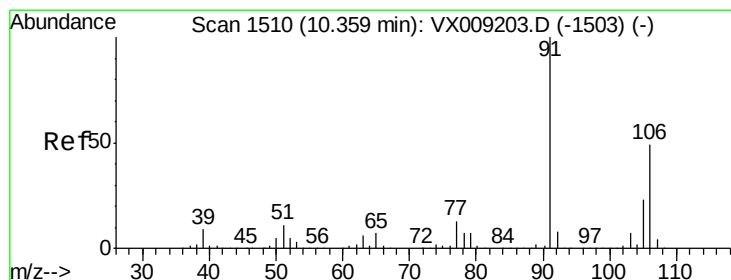
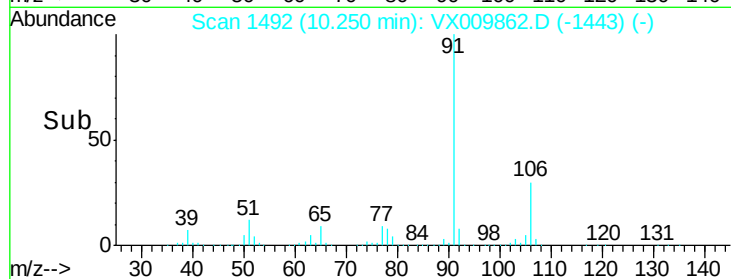
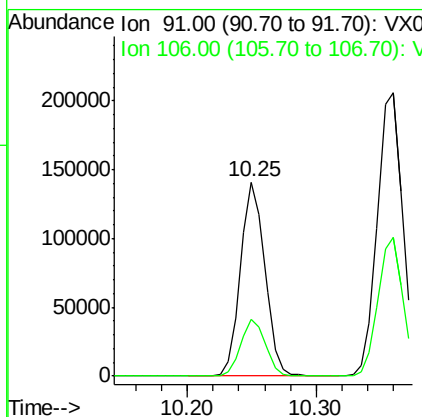
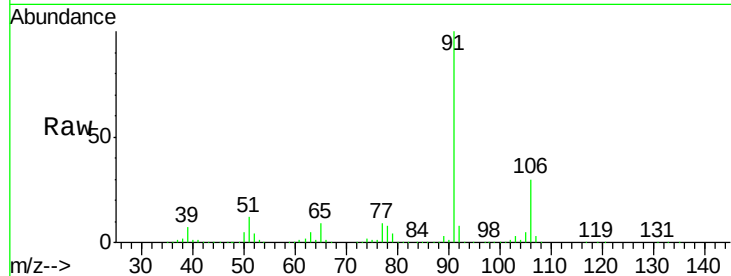
#67
Ethyl Benzene
Concen: 18.557 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX009862.D
Acq: 23 May 2019 16:41

Instrument :
MSVOA_X
ClientSampleId :
VX0523WBSD01

Tot Ion: 91 Resp: 185571
Ion Ratio Lower Upper
91 100
106 29.6 24.0 36.0

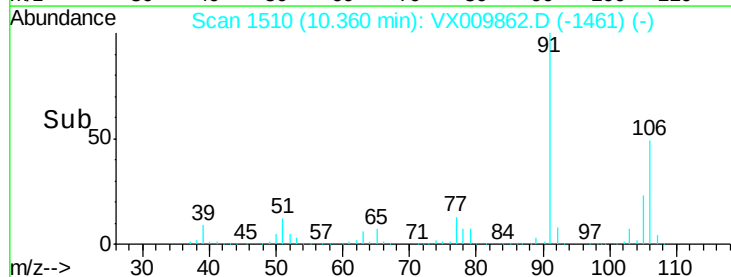
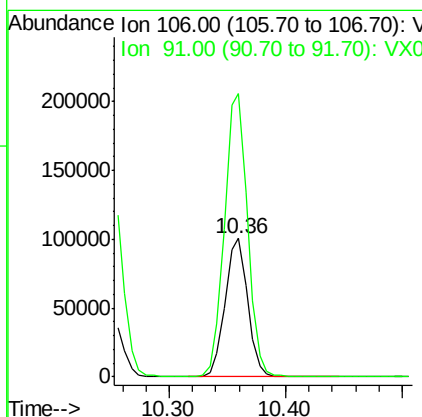
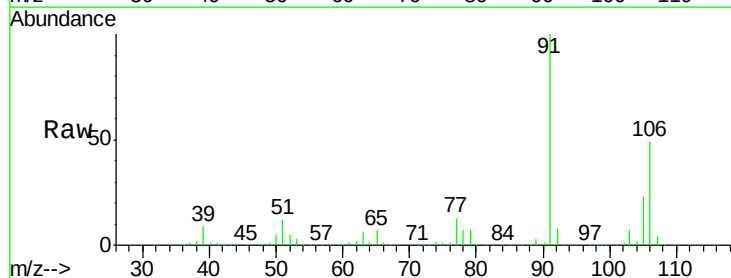
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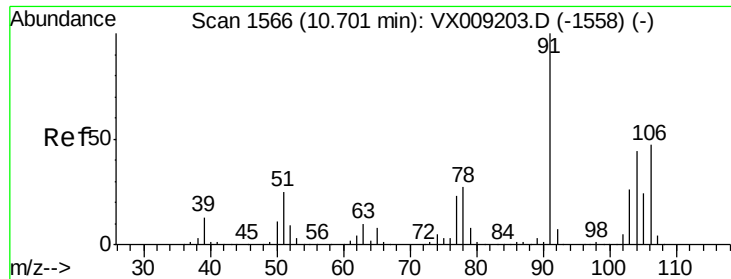
MMDadoda
5/24/2019 9:02:09 AM



#68
m/p-Xylenes
Concen: 36.993 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX009862.D
Acq: 23 May 2019 16:41

Tgt Ion: 106 Resp: 135186
Ion Ratio Lower Upper
106 100
91 209.1 164.0 246.0





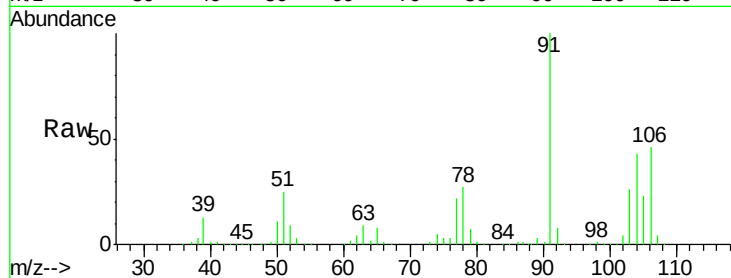
#69
o-Xylene
Concen: 18.195 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX009862.D
Acq: 23 May 2019 16:41

Instrument :
MSVOA_X
ClientSampleId :
VX0523WBSD01

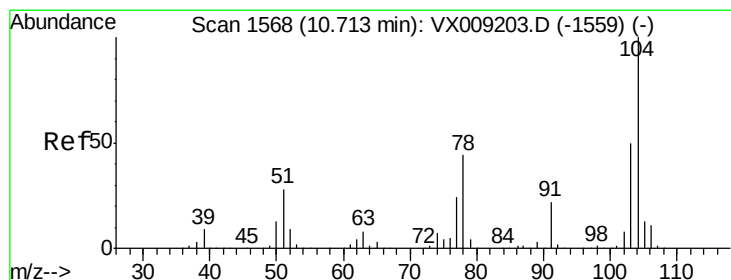
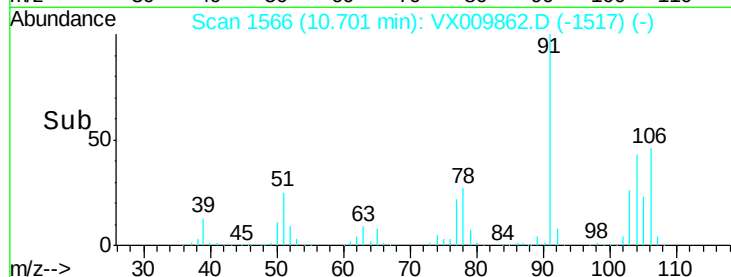
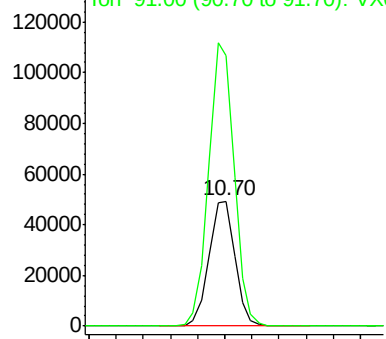
Tot Ion:106 Resp: 65604
Ion Ratio Lower Upper
106 100
91 222.6 109.5 328.4

Manual Integrations
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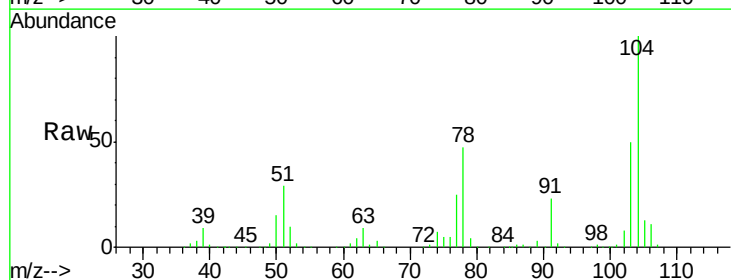


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

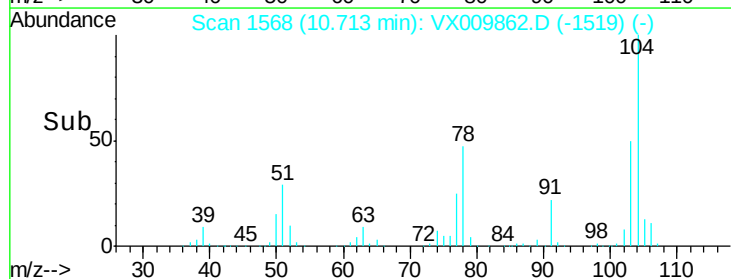
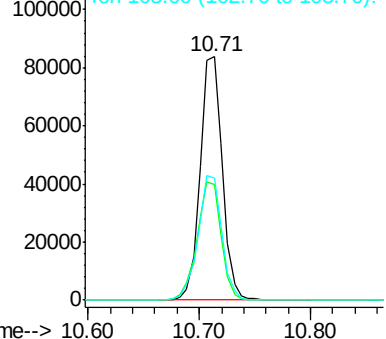


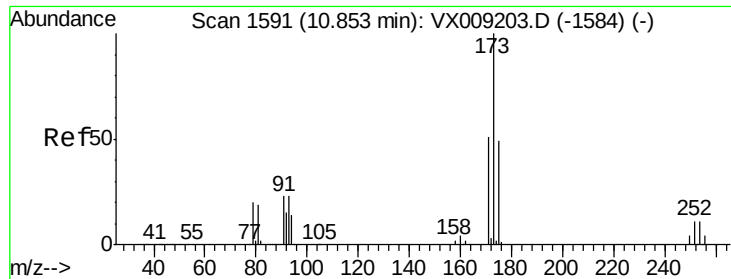
#70
Styrene
Concen: 18.373 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009862.D
Acq: 23 May 2019 16:41

Tgt Ion:104 Resp: 115141
Ion Ratio Lower Upper
104 100
78 53.2 41.0 61.4
103 54.8 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 17.397 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009862.D

Acq: 23 May 2019 16:41

Instrument :

MSVOA_X

ClientSampleId :

VX0523WBSD01

Tot Ion:173 Resp: 27851

Ion Ratio Lower Upper

173 100

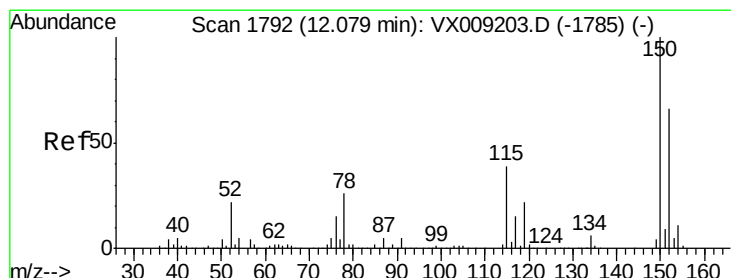
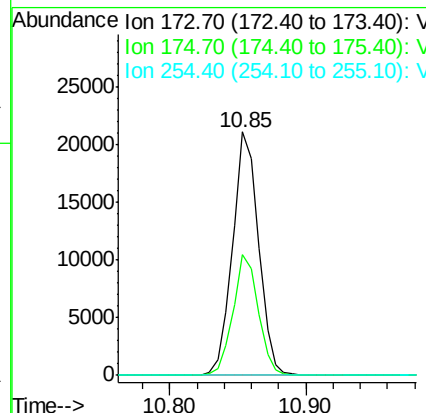
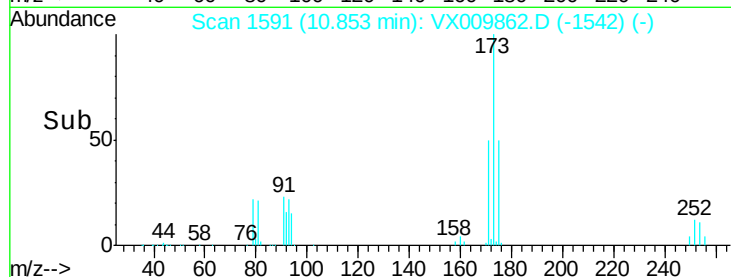
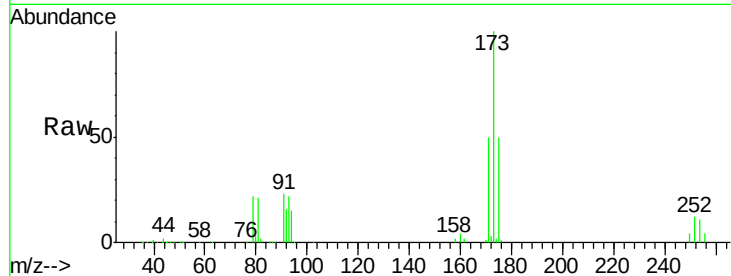
175 48.4 24.5 73.5

254 0.0 0.1 0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009862.D

Acq: 23 May 2019 16:41

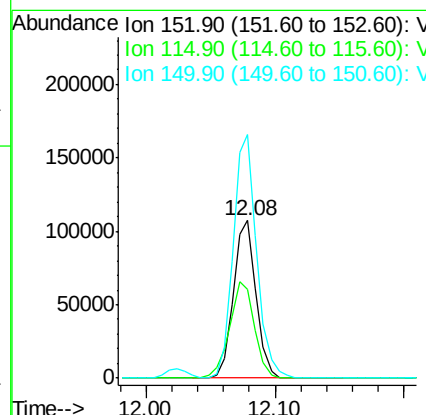
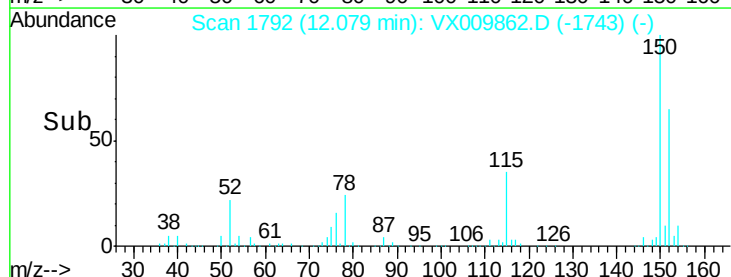
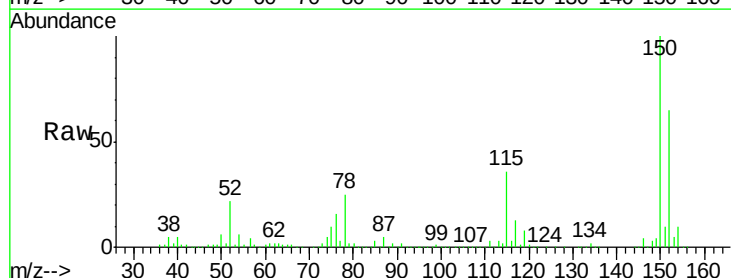
Tgt Ion:152 Resp: 131535

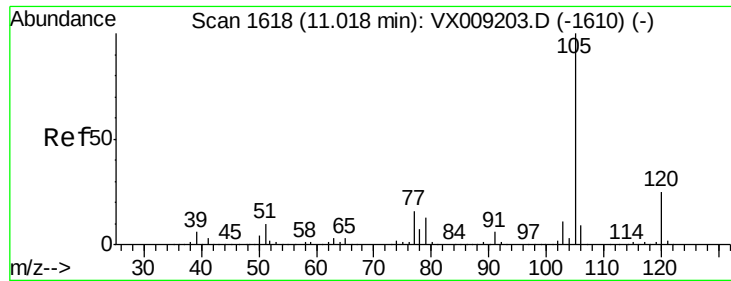
Ion Ratio Lower Upper

152 100

115 67.4 41.2 123.6

150 161.1 0.0 346.4





#73

Isopropylbenzene

Concen: 18.412 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009862.D

Acq: 23 May 2019 16:41

Instrument :

MSVOA_X

ClientSampleId :

VX0523WBSD01

Tot Ion: 105 Resp: 176114

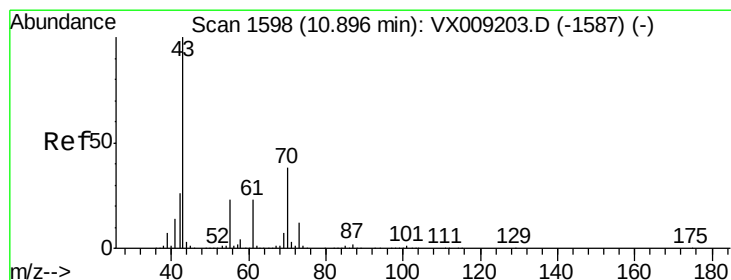
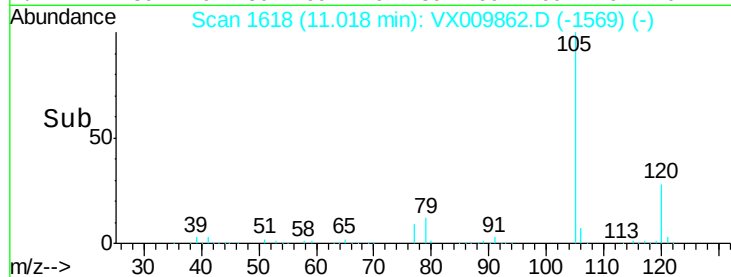
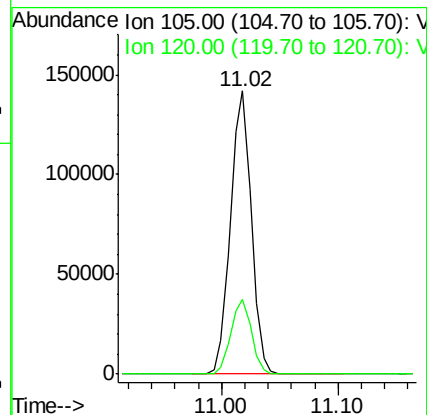
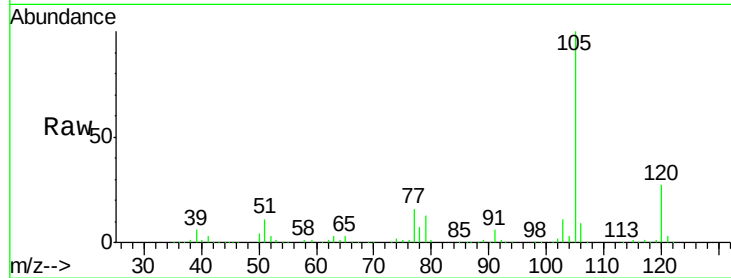
Ion Ratio Lower Upper

105 100

120 26.3 12.8 38.3

Manual Integrations
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#74

N-ethyl acetate

Concen: 19.279 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009862.D

Acq: 23 May 2019 16:41

Tgt Ion: 43 Resp: 107509

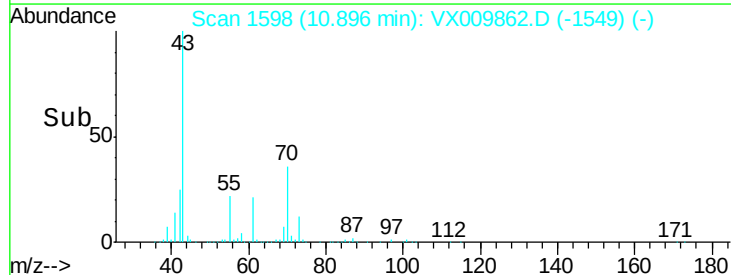
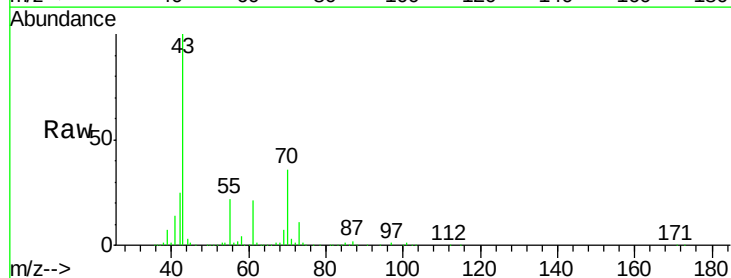
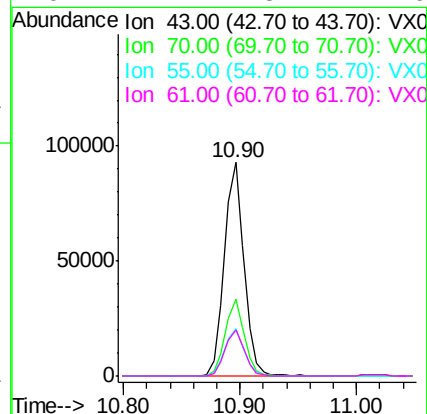
Ion Ratio Lower Upper

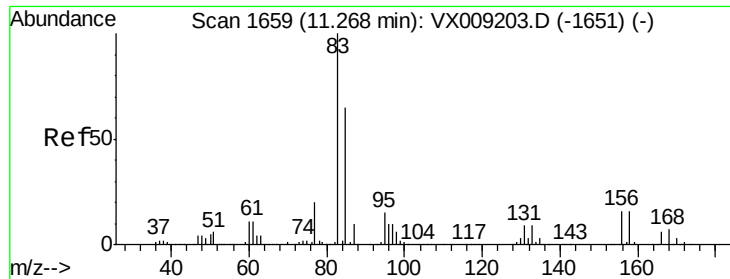
43 100

70 35.2 30.0 45.0

55 22.3 17.9 26.9

61 21.7 18.4 27.6





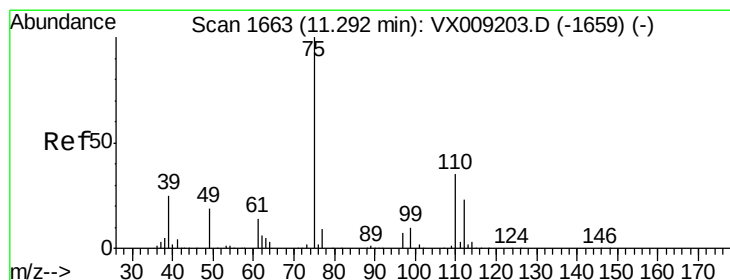
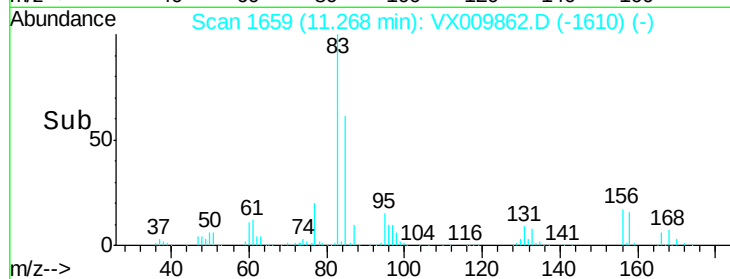
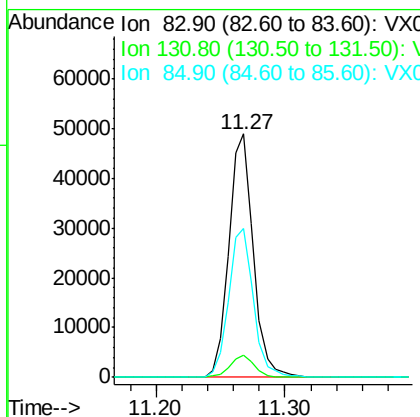
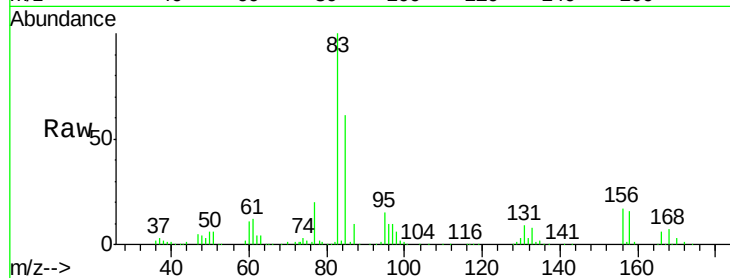
#75
 1,1,2,2-Tetrachloroethane
 Concen: 18.235 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX009862.D
 Acq: 23 May 2019 16:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0523WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	9.1	4.6	13.8	
85	62.1	32.0	96.2	

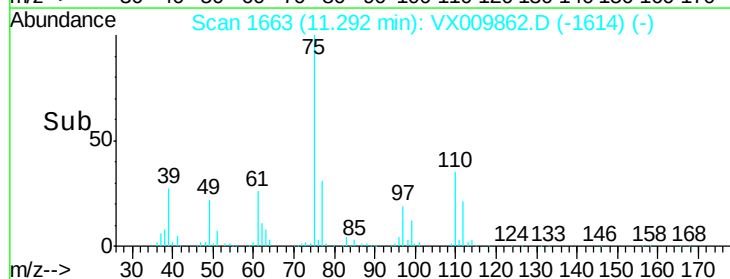
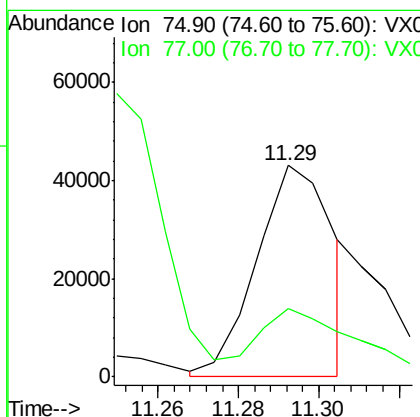
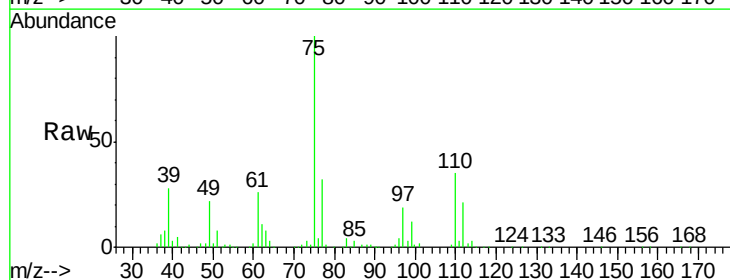
Manual Integrations
 APPROVED

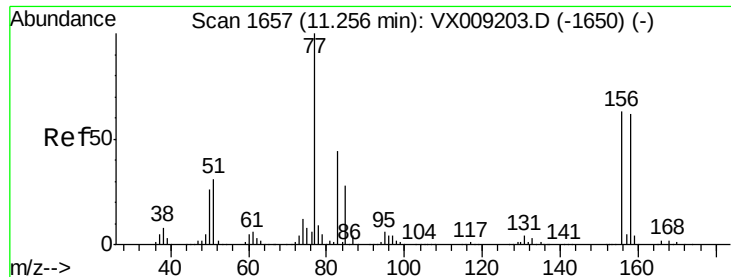
MMDadoda
 5/24/2019 9:02:09 AM



#76
 1,2,3-Trichloropropane
 Concen: 18.554 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX009862.D
 Acq: 23 May 2019 16:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	42.6	22.1	66.1	





#77

Bromobenzene

Concen: 17.868 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009862.D

Acq: 23 May 2019 16:41

Instrument :

MSVOA_X

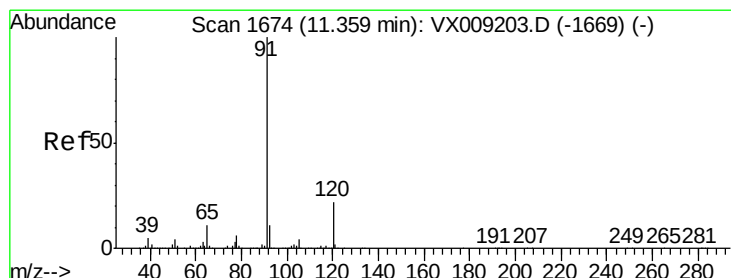
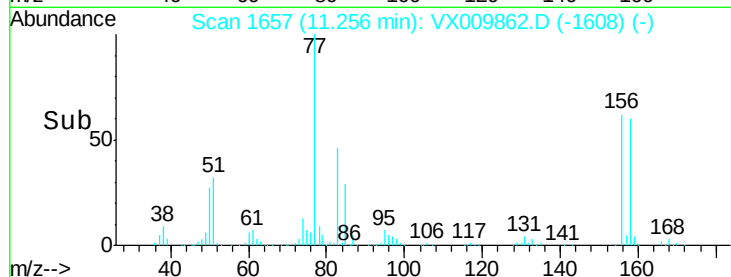
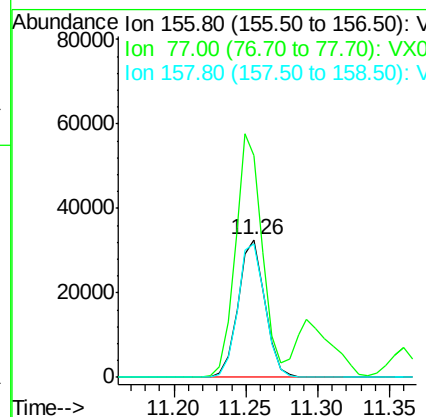
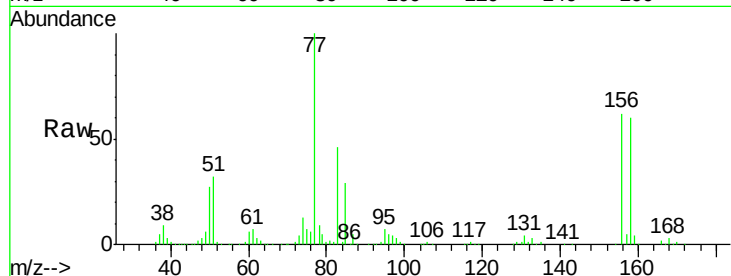
ClientSampleId :

VX0523WBSD01

Tot Ion:	156	Resp:	42421
Ion	Ratio	Lower	Upper
156	100		
77	176.3	84.8	254.3
158	98.6	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 18.700 ug/l

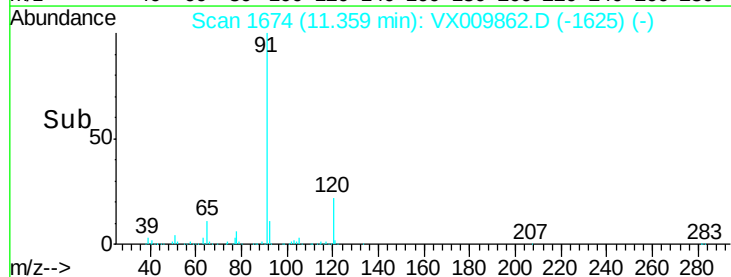
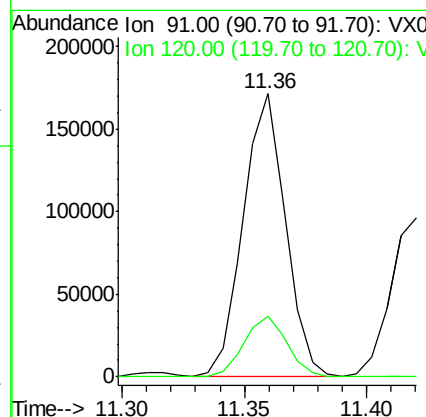
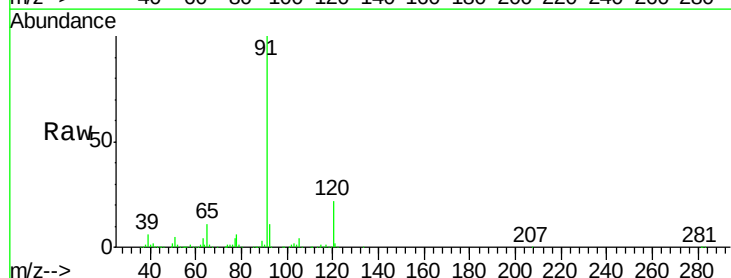
RT: 11.36 min Scan# 1674

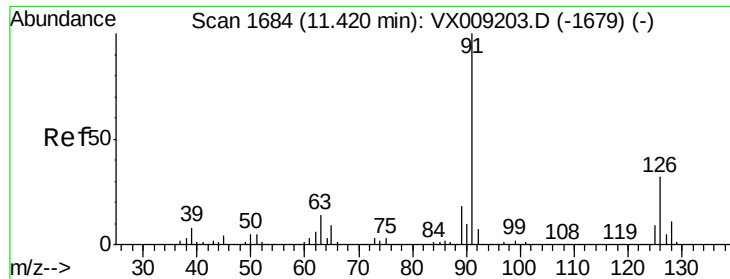
Delta R.T. 0.00 min

Lab File: VX009862.D

Acq: 23 May 2019 16:41

Tgt Ion:	91	Resp:	204277
Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.0	33.0





#79

2-Chlorotoluene

Concen: 18.014 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009862.D

Acq: 23 May 2019 16:41

Instrument :

MSVOA_X

ClientSampled :

VX0523WBSD01

Tot Ion: 91 Resp: 121407

Ion Ratio Lower Upper

91 100

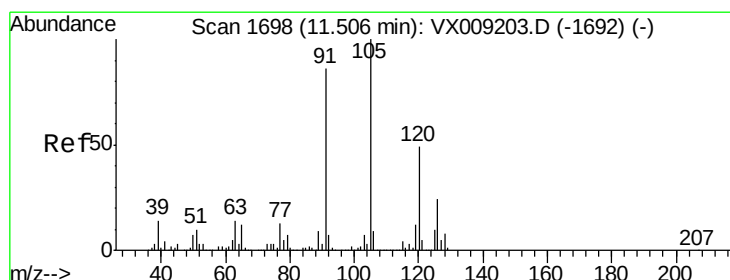
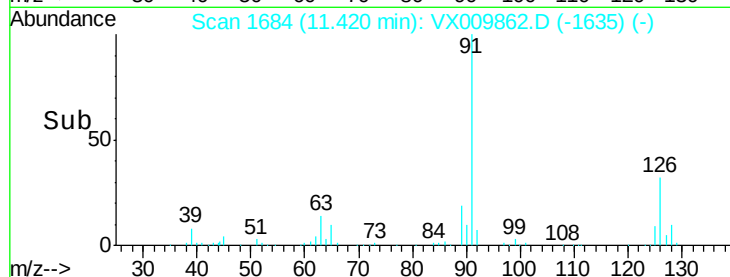
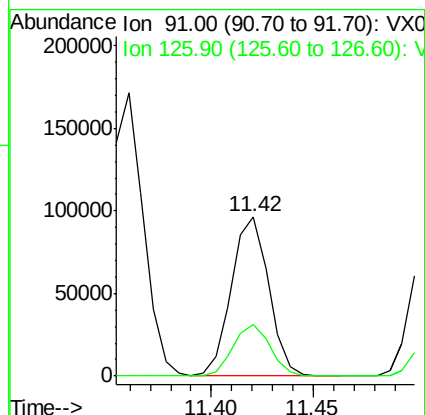
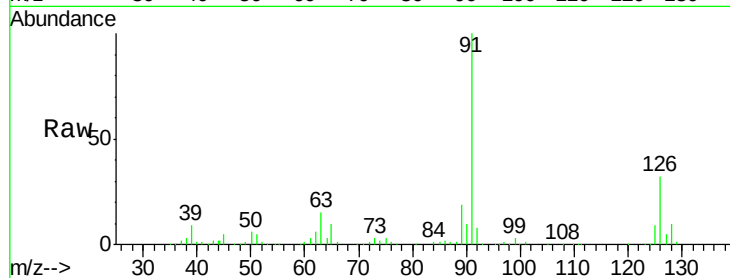
126 32.4 16.3 48.9

Manual Integrations

APPROVED

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#80

1,3,5-Trimethylbenzene

Concen: 18.429 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009862.D

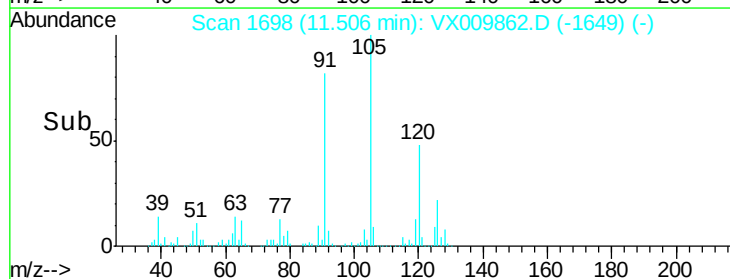
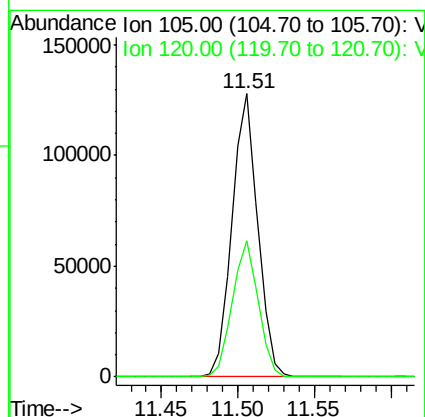
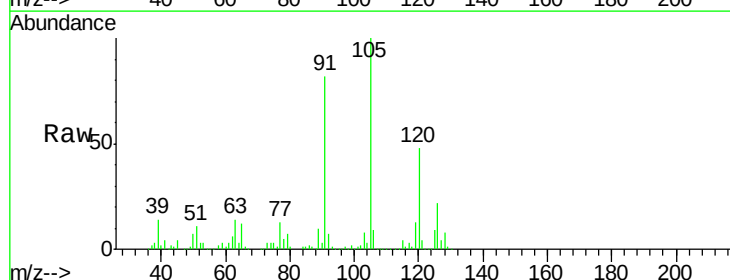
Acq: 23 May 2019 16:41

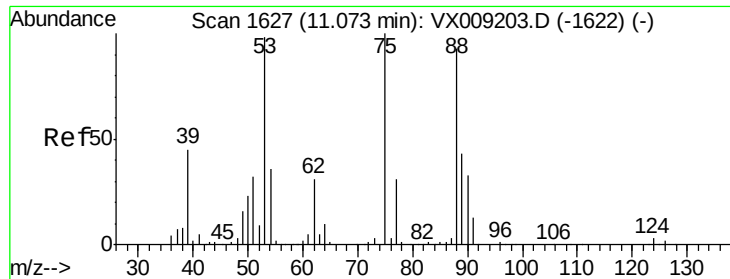
Tgt Ion: 105 Resp: 148425

Ion Ratio Lower Upper

105 100

120 48.3 24.3 72.9





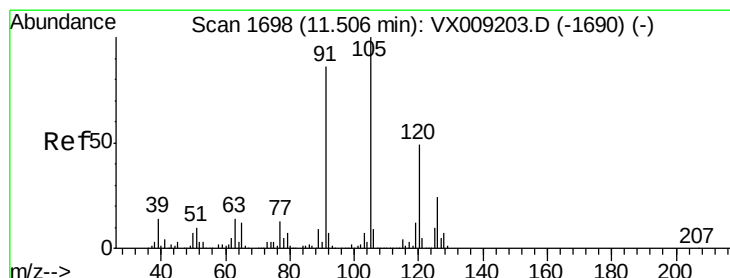
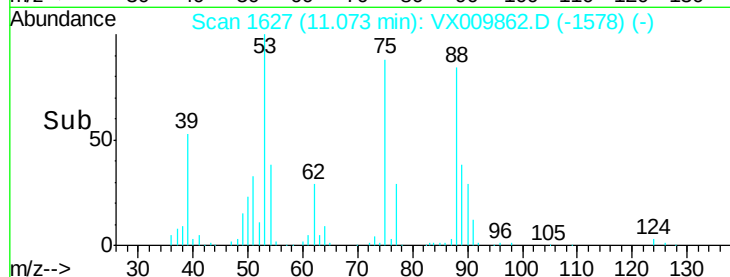
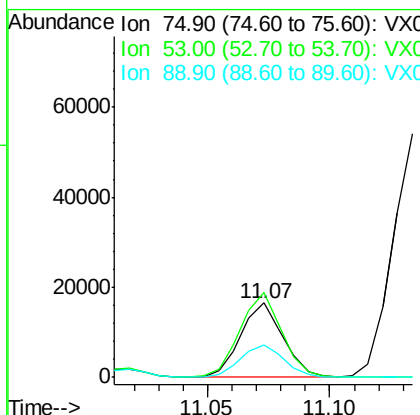
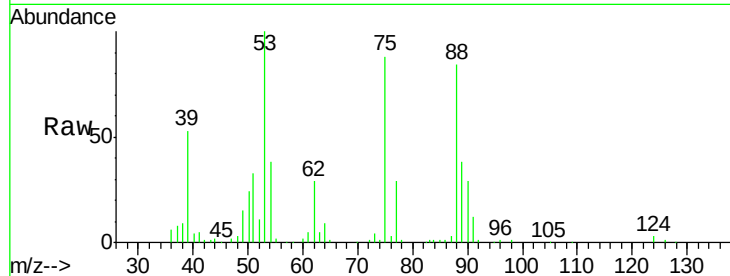
#81
trans-1,4-Dichloro-2-butene
Concen: 16.730 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX009862.D
Acq: 23 May 2019 16:41

Instrument :
MSVOA_X
ClientSampled :
VX0523WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.1	79.0	118.6
89	44.8	34.7	52.1

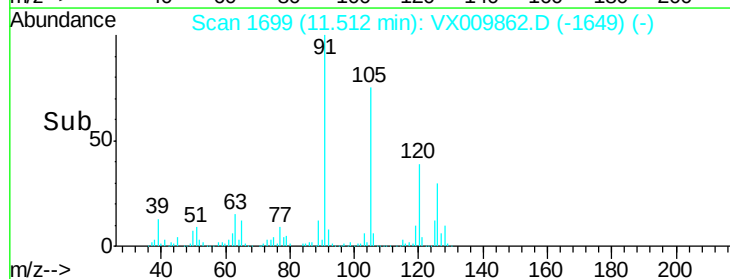
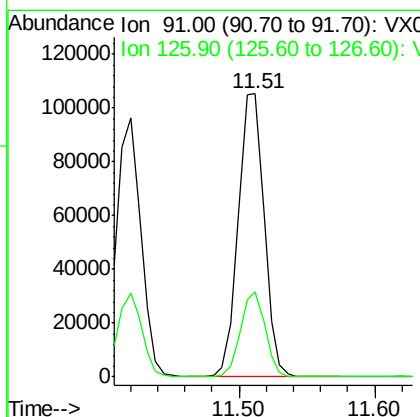
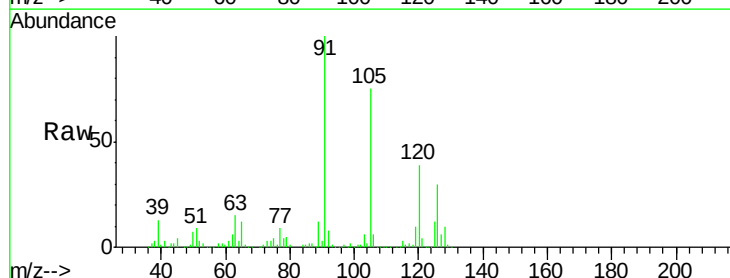
Manual Integrations
APPROVED

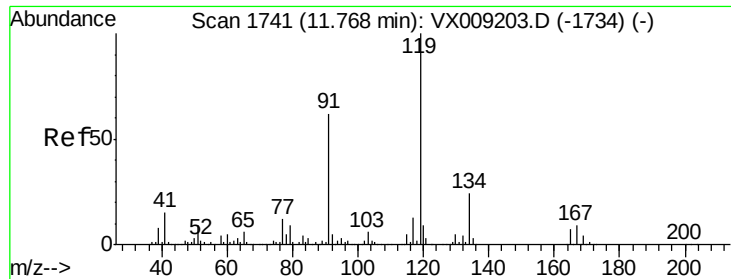
MMDadoda
5/24/2019 9:02:09 AM



#82
4-Chlorotoluene
Concen: 18.388 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VX009862.D
Acq: 23 May 2019 16:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.5	43.6





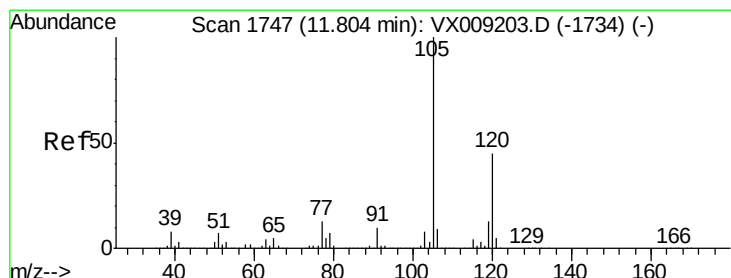
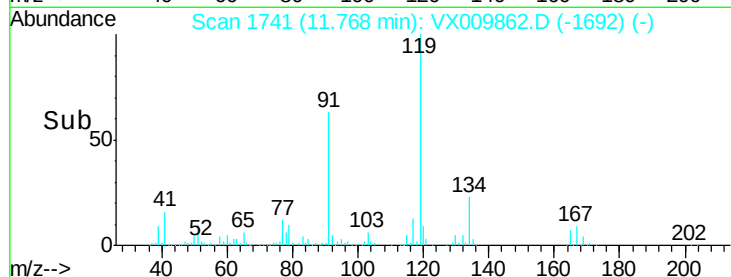
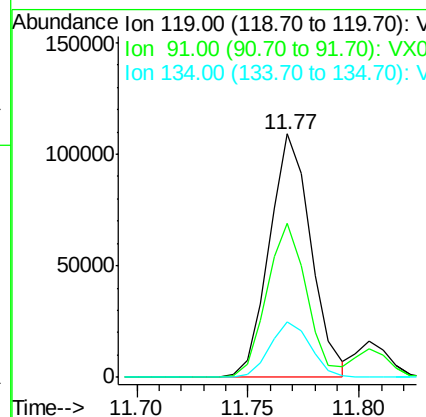
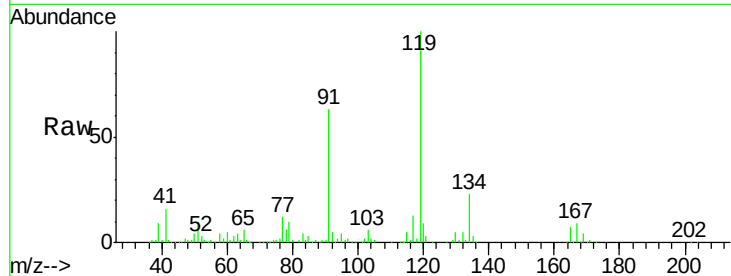
#83
 tert-Butylbenzene
 Concen: 18.063 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX009862.D
 Acq: 23 May 2019 16:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0523WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	141516		
91	61.0	29.5	88.5	
134	22.2	11.4	34.1	

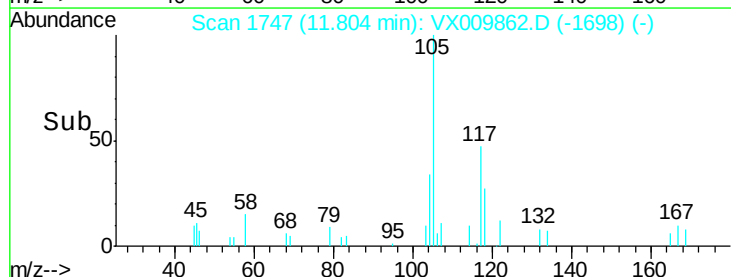
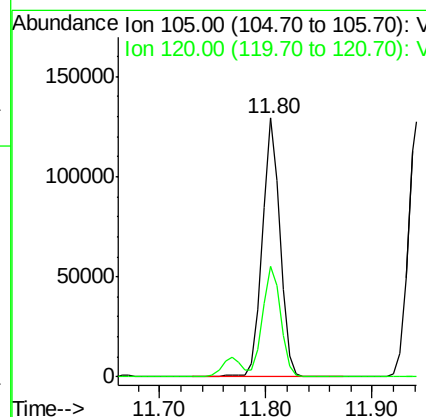
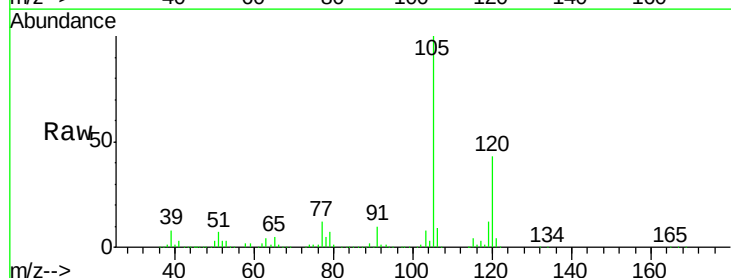
Manual Integrations
 APPROVED

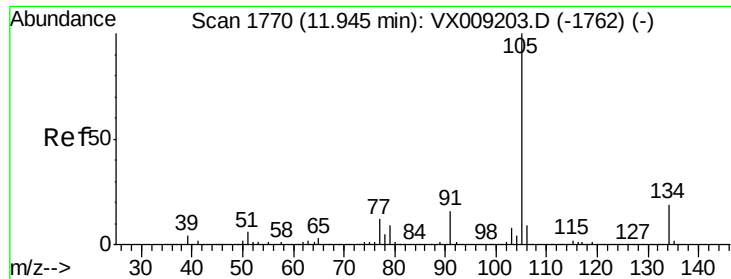
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 5/24/2019 9:02:09 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 18.667 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX009862.D
 Acq: 23 May 2019 16:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	150901		
120	43.2	22.0	66.0	





#85

sec-Butylbenzene

Concen: 18.377 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009862.D

Acq: 23 May 2019 16:41

Instrument :

MSVOA_X

ClientSampleId :

VX0523WBSD01

Tot Ion:105 Resp: 170700

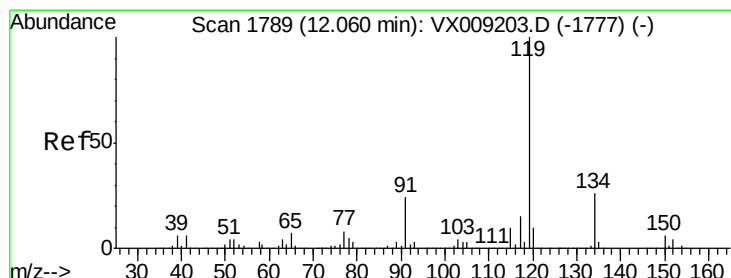
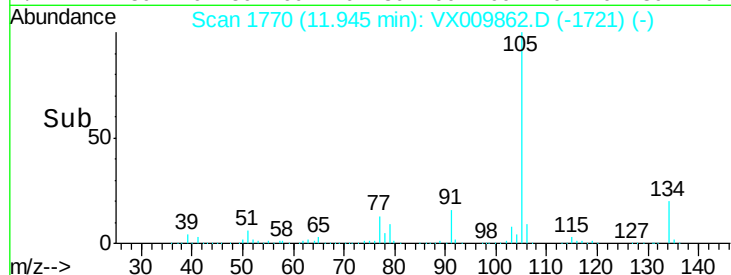
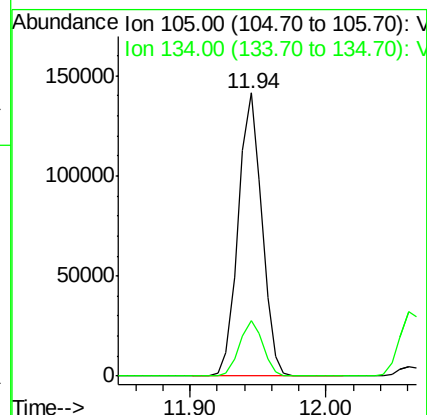
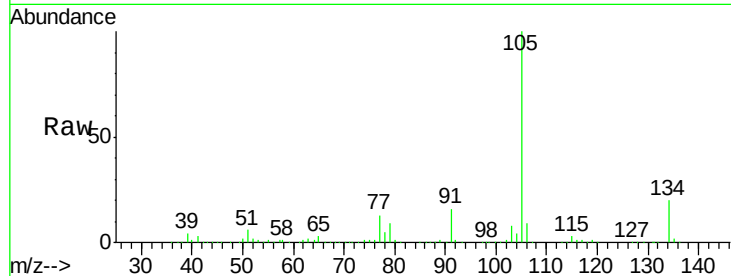
Ion Ratio Lower Upper

105 100

134 19.4 9.7 28.9

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 18.569 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009862.D

Acq: 23 May 2019 16:41

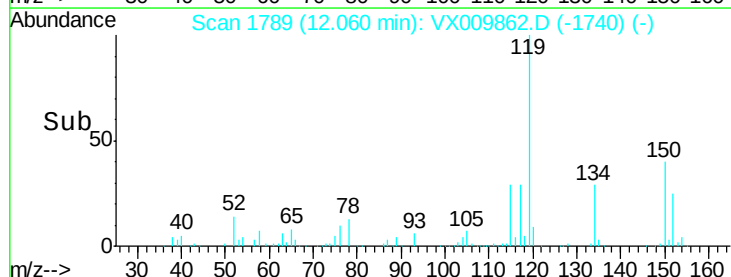
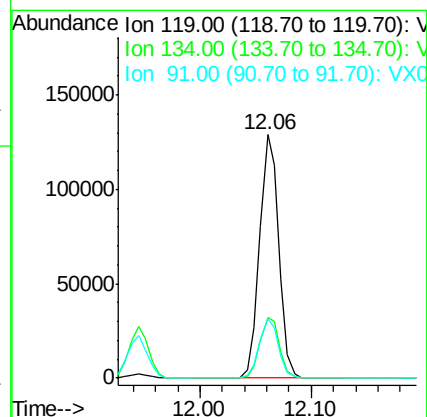
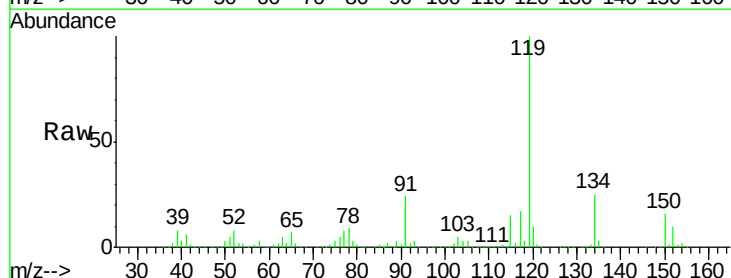
Tgt Ion:119 Resp: 155058

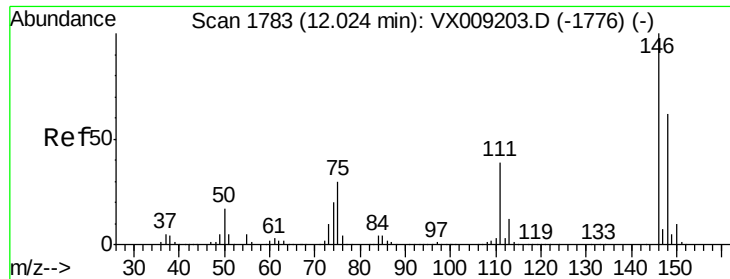
Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.7

91 24.3 11.8 35.4





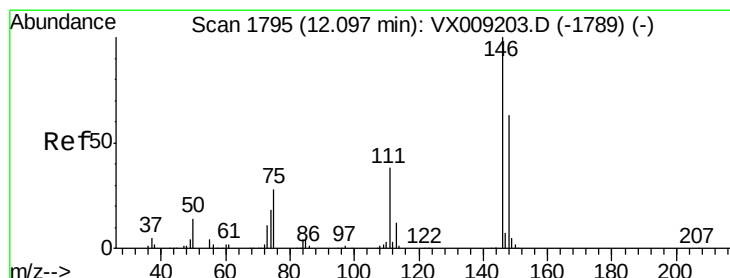
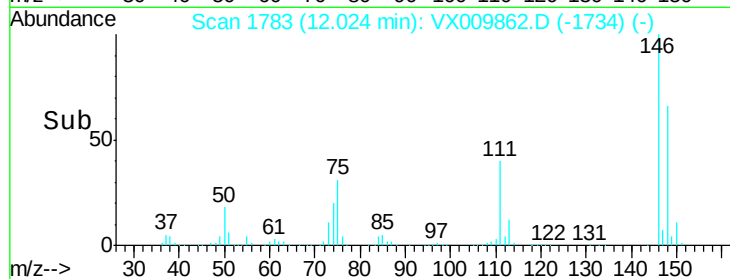
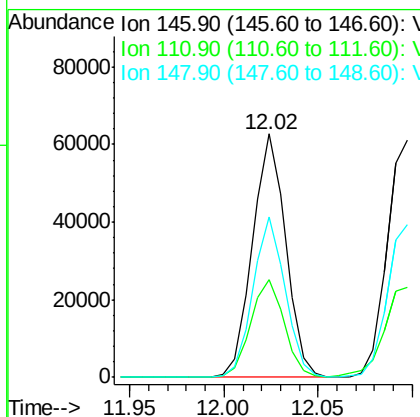
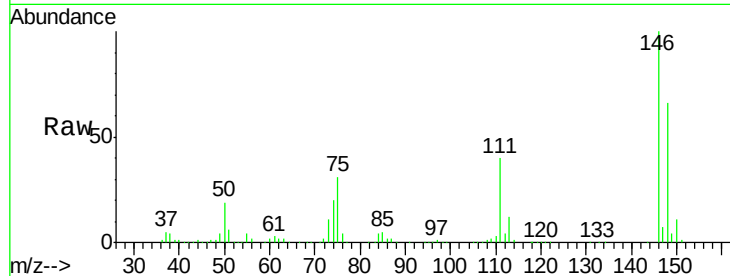
#87
 1,3-Dichlorobenzene
 Concen: 18.116 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009862.D
 Acq: 23 May 2019 16:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0523WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.0	59.9
148	64.1	31.8	95.3

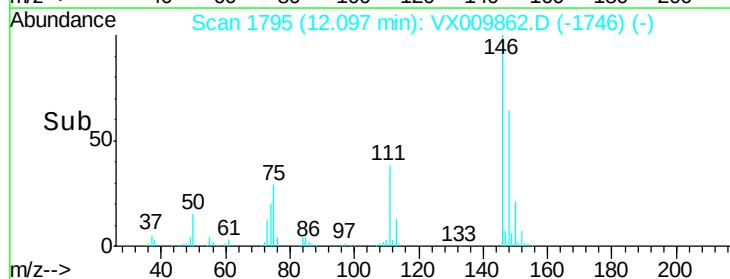
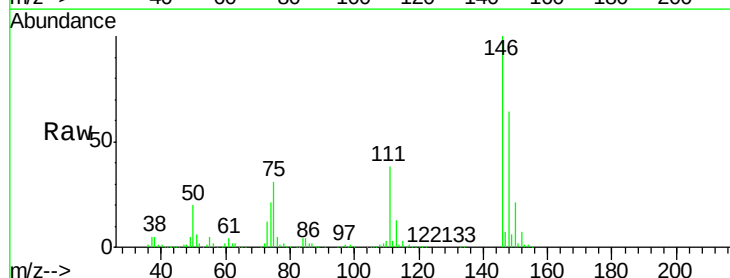
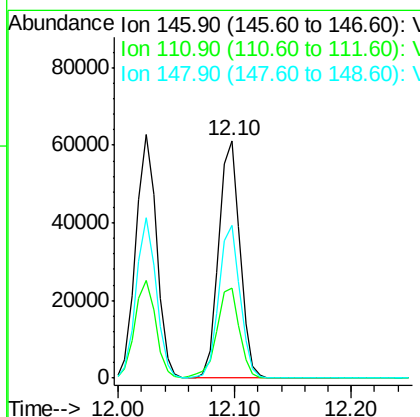
Manual Integrations
 APPROVED

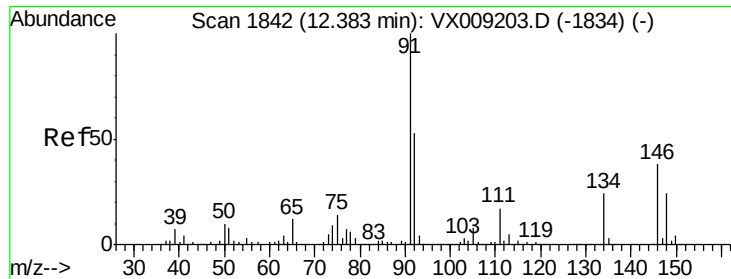
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#88
 1,4-Dichlorobenzene
 Concen: 17.929 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009862.D
 Acq: 23 May 2019 16:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.6	58.8
148	64.3	31.8	95.3





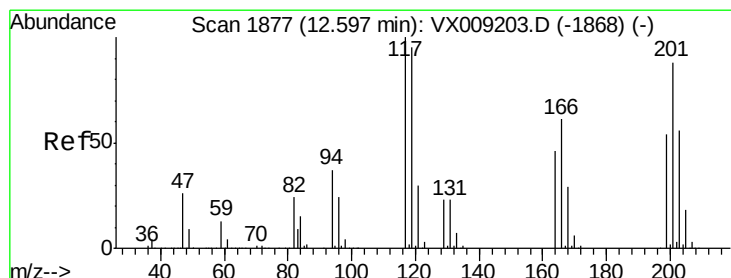
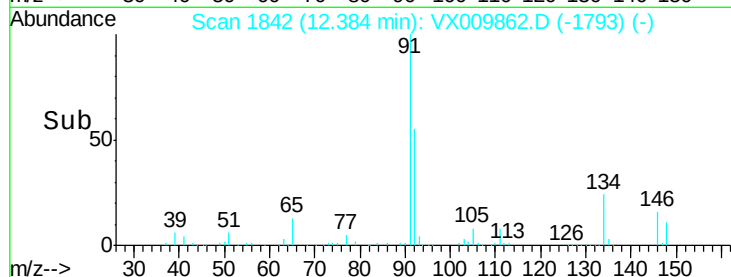
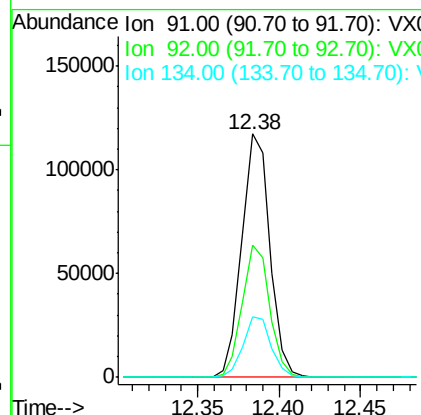
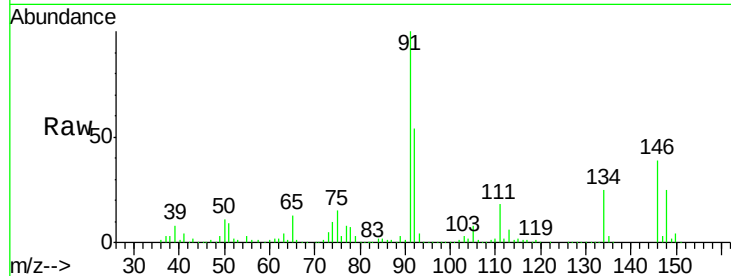
#89
n-Butylbenzene
Concen: 18.671 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009862.D
Acq: 23 May 2019 16:41

Instrument :
MSVOA_X
ClientSampleId :
VX0523WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	140920		
92	53.3	26.5	79.5	
134	24.8	12.4	37.2	

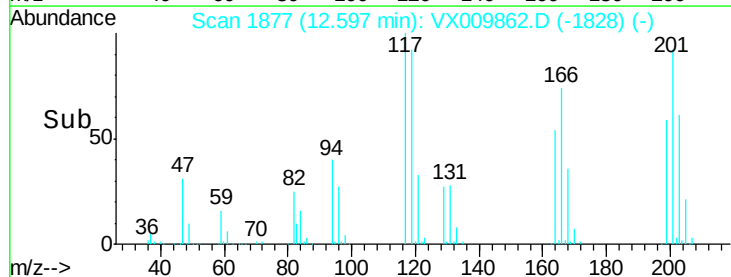
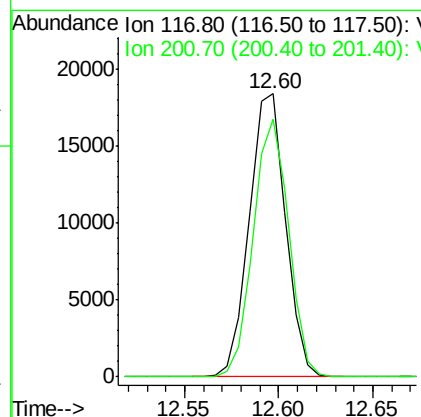
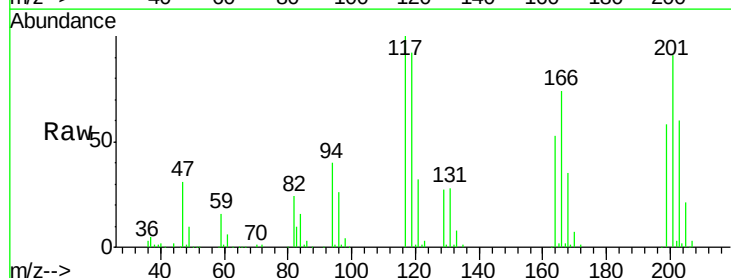
Manual Integrations
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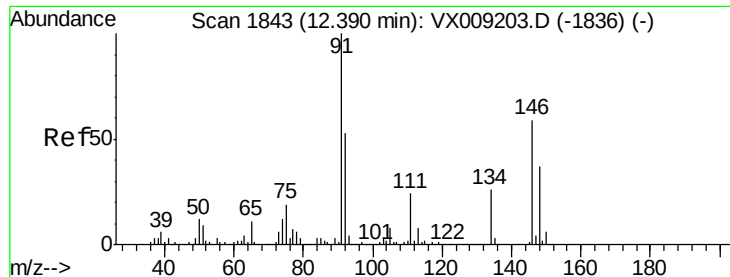
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#90
Hexachloroethane
Concen: 17.347 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX009862.D
Acq: 23 May 2019 16:41

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	24679		
201	88.5	42.3	126.9	





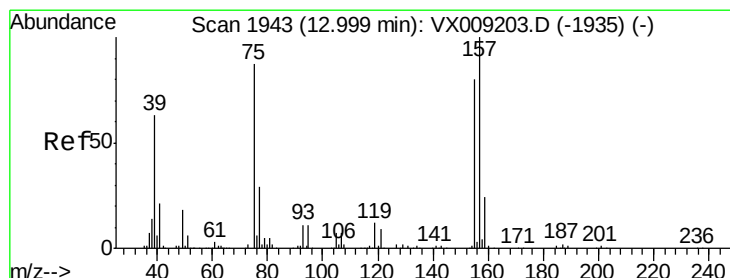
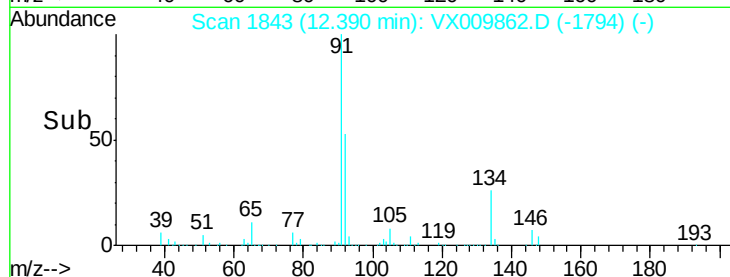
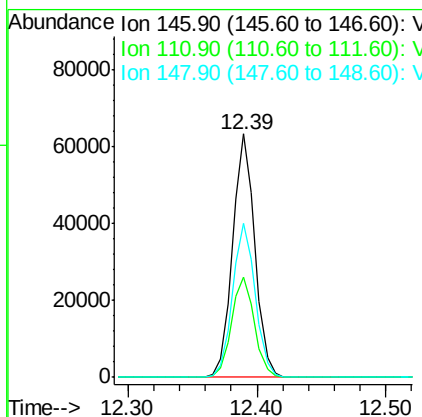
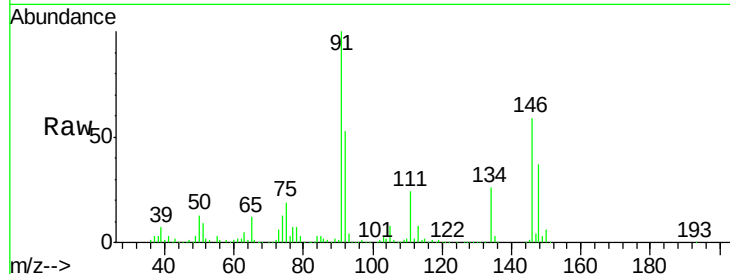
#91
 1,2-Dichlorobenzene
 Concen: 17.732 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009862.D
 Acq: 23 May 2019 16:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0523WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.8	62.4
148	64.1	31.9	95.9

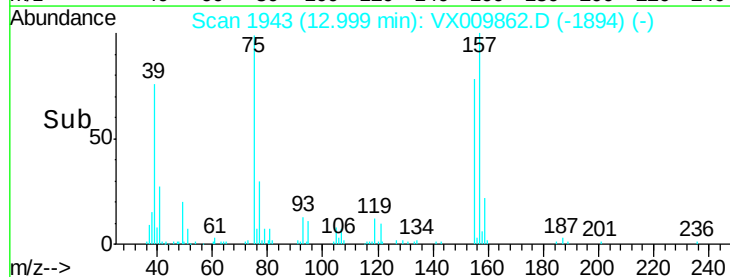
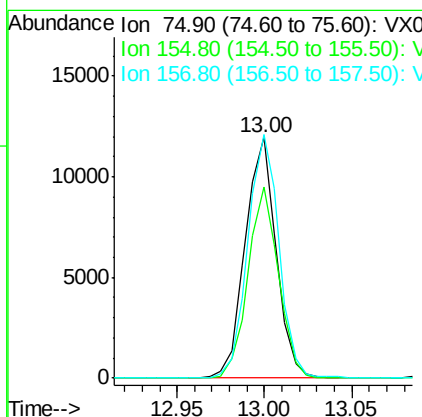
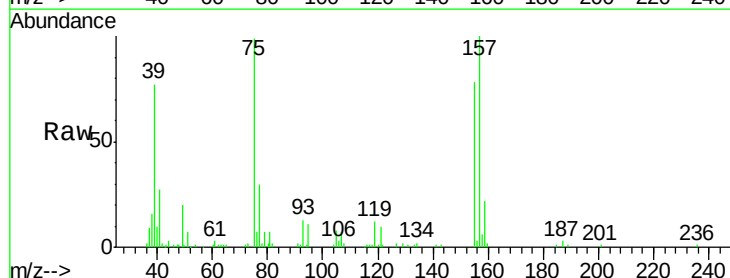
Manual Integrations
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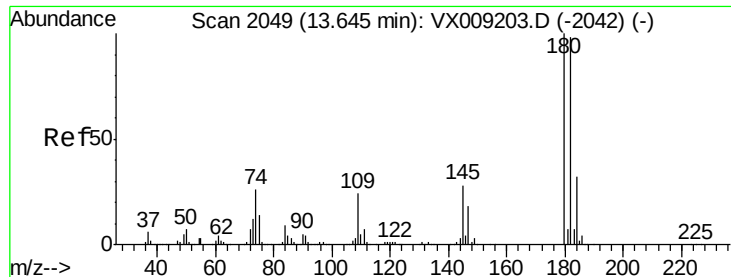
MMDadoda
 5/24/2019 9:02:09 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.317 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009862.D
 Acq: 23 May 2019 16:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.2	42.0	126.0
157	102.1	53.2	159.6





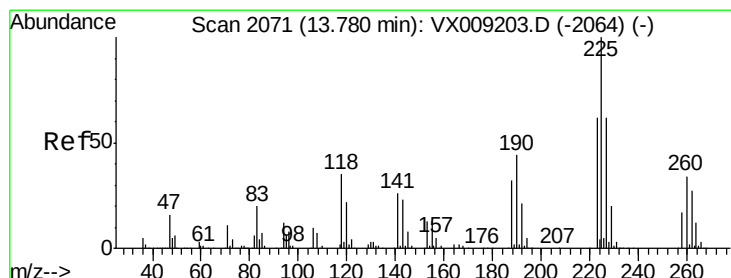
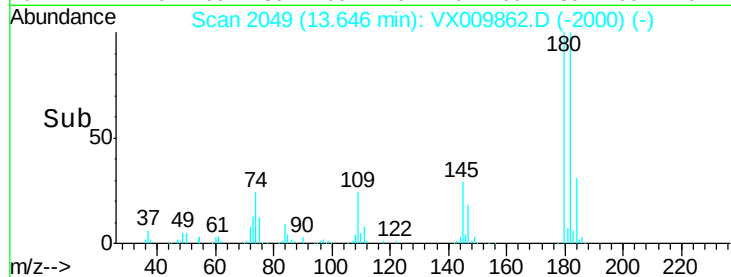
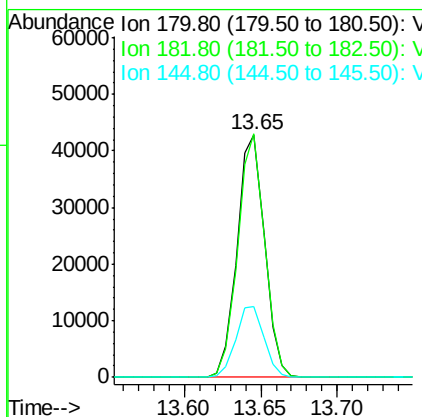
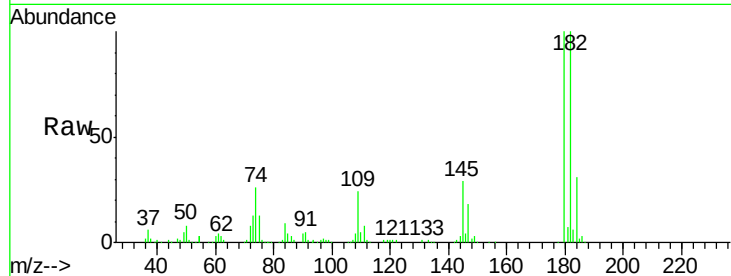
#93
 1,2,4-Trichlorobenzene
 Concen: 18.119 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009862.D
 Acq: 23 May 2019 16:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0523WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	53411		
182	97.9		48.4	145.2
145	30.1		14.6	43.8

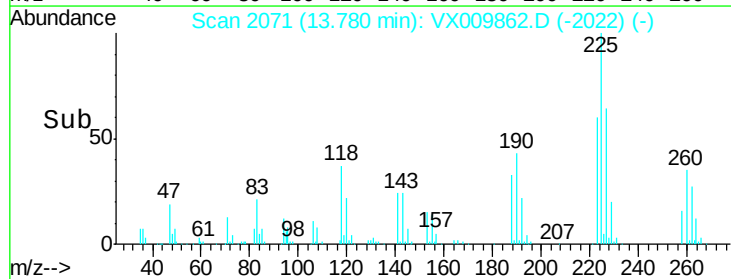
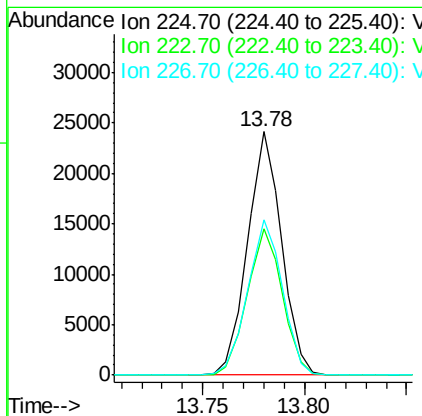
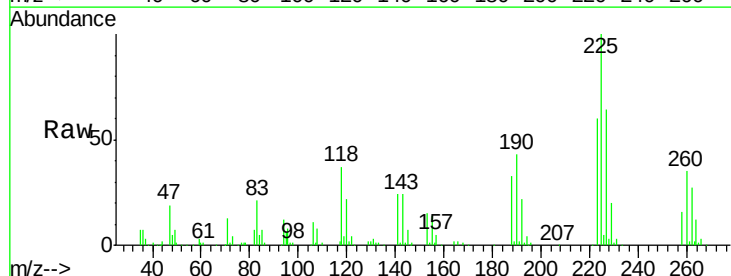
Manual Integrations
 APPROVED

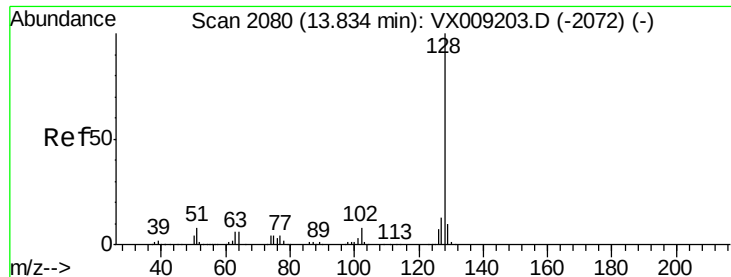
MMDadoda
 5/24/2019 9:02:09 AM



#94
 Hexachlorobutadiene
 Concen: 18.644 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009862.D
 Acq: 23 May 2019 16:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	28066		
223	61.7		31.3	93.8
227	65.1		31.8	95.3





#95

Naphthalene

Concen: 18.042 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX009862.D

Acq: 23 May 2019 16:41

Instrument :

MSVOA_X

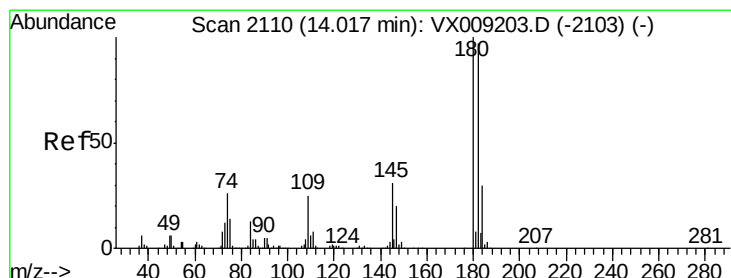
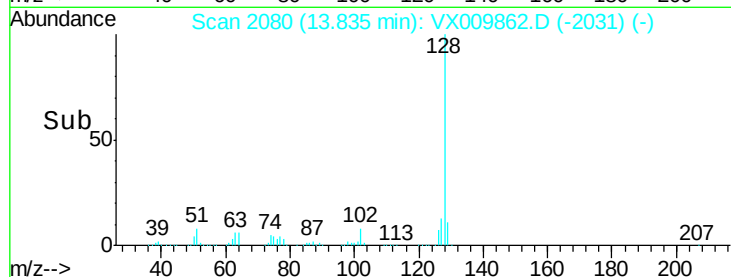
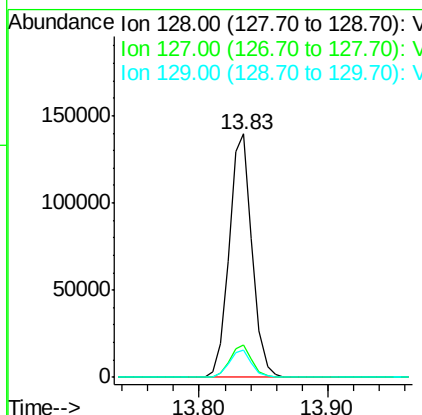
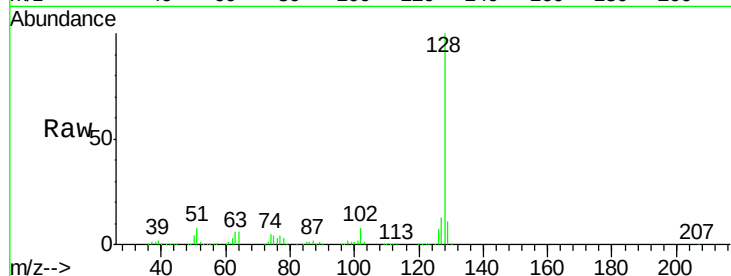
ClientSampled :

VX0523WBSD01

Tot Ion:	128	Resp:	173029
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/24/2019 9:02:09 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.072 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009862.D

Acq: 23 May 2019 16:41

Tgt Ion:	180	Resp:	54001
Ion Ratio	Lower	Upper	
180	100		
182	97.6	47.8	143.4
145	30.5	15.4	46.4

