

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051619\
 Data File : VX009603.D
 Acq On : 16 May 2019 13:37
 Operator : JC/SP
 Sample : VX0516WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/17/2019 1:09:21 PM

Quant Time: May 17 06:57:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	159996	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	254153	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	231986	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	112639	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	108021	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
35) Dibromofluoromethane	5.50	113	79087	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
50) Toluene-d8	8.71	98	313344	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
62) 4-Bromofluorobenzene	11.13	95	114430	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	25305	17.163	ug/l	97
3) Chloromethane	1.32	50	40341	20.041	ug/l	100
4) Vinyl Chloride	1.41	62	39332	20.038	ug/l	96
5) Bromomethane	1.64	94	25135	21.335	ug/l	98
6) Chloroethane	1.72	64	24928	19.781	ug/l	99
7) Trichlorofluoromethane	1.93	101	49814	20.878	ug/l	98
8) Diethyl Ether	2.19	74	23311	20.626	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	30623	20.438	ug/l	99
10) Methyl Iodide	2.51	142	33307	21.968	ug/l	99
11) Tert butyl alcohol	3.05	59	54550	107.897	ug/l	98
12) 1,1-Dichloroethene	2.37	96	30201	20.118	ug/l	95
13) Acrolein	2.29	56	27973	61.095	ug/l	99
14) Allyl chloride	2.73	41	73012	19.957	ug/l	98
15) Acrylonitrile	3.14	53	132229	106.967	ug/l	99
16) Acetone	2.45	43	119514	101.905	ug/l	99
17) Carbon Disulfide	2.57	76	80490	19.097	ug/l	99
18) Methyl Acetate	2.78	43	58419	20.945	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	119006	20.414	ug/l	99
20) Methylene Chloride	2.86	84	37580	19.790	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	32958	20.243	ug/l	95
22) Diisopropyl ether	3.85	45	148479	21.104	ug/l	96
23) Vinyl Acetate	3.81	43	647384	107.454	ug/l	99
24) 1,1-Dichloroethane	3.70	63	70700	20.370	ug/l	99
25) 2-Butanone	4.67	43	196489	107.814	ug/l	98
26) 2,2-Dichloropropane	4.58	77	48643	18.829	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	39240	20.192	ug/l	100
28) Bromochloromethane	5.01	49	27120	17.637	ug/l	98
29) Tetrahydrofuran	5.13	42	129598	110.507	ug/l	99
30) Chloroform	5.21	83	64774	20.634	ug/l	97
31) Cyclohexane	5.59	56	64946	20.113	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	53545	20.490	ug/l	99
36) 1,1-Dichloropropene	5.80	75	47567	20.139	ug/l	99
37) Ethyl Acetate	4.84	43	72859	22.140	ug/l	99
38) Carbon Tetrachloride	5.79	117	44408	20.694	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	57728	19.902	ug/l	98
40) Benzene	6.14	78	150792	20.629	ug/l	100
41) Methacrylonitrile	5.04	41	41730	21.303	ug/l	98
42) 1,2-Dichloroethane	6.20	62	56366	21.497	ug/l	99
43) Isopropyl Acetate	6.45	43	111362	21.156	ug/l	100
44) Trichloroethene	7.21	130	35771	20.243	ug/l	99
45) 1,2-Dichloropropane	7.51	63	43361	20.950	ug/l	99
46) Dibromomethane	7.66	93	24978	20.781	ug/l	99
47) Bromodichloromethane	7.90	83	49380	20.596	ug/l	99
48) Methyl methacrylate	7.77	41	56574	21.663	ug/l	98
49) 1,4-Dioxane	7.74	88	23254	439.079	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	383703	111.524	ug/l	98
52) Toluene	8.79	92	92348	20.784	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	54156	20.007	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	61026	20.369	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	38769	21.387	ug/l	98
56) Ethyl methacrylate	9.18	69	67641	20.904	ug/l	99
57) 1,3-Dichloropropane	9.37	76	66863	20.960	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	159465	92.895	ug/l	100
59) 2-Hexanone	9.49	43	298373	110.421	ug/l	98
60) Dibromochloromethane	9.58	129	36666	20.710	ug/l	99
61) 1,2-Dibromoethane	9.67	107	39192	21.418	ug/l	98
64) Tetrachloroethene	9.34	164	32764	20.589	ug/l	98
65) Chlorobenzene	10.13	112	96716	20.841	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	34714	20.633	ug/l	99
67) Ethyl Benzene	10.25	91	176811	20.702	ug/l	100
68) m/p-Xylenes	10.36	106	128888	41.296	ug/l	98
69) o-Xylene	10.69	106	62843	20.408	ug/l	99
70) Styrene	10.71	104	109964	20.545	ug/l	99
71) Bromoform	10.85	173	27419	20.054	ug/l #	100
73) Isopropylbenzene	11.02	105	169164	20.652	ug/l	100
74) N-amyl acetate	10.90	43	98454	20.617	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	65485	21.446	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	56796m	21.737	ug/l	
77) Bromobenzene	11.25	156	41920	20.619	ug/l	100
78) n-propylbenzene	11.36	91	193938	20.732	ug/l	100
79) 2-Chlorotoluene	11.42	91	116005	20.100	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	143161	20.757	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	20342	19.920	ug/l	94
82) 4-Chlorotoluene	11.51	91	133303	20.446	ug/l	100
83) tert-Butylbenzene	11.77	119	137405	20.480	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	143998	20.801	ug/l	100
85) sec-Butylbenzene	11.94	105	161553	20.310	ug/l	100
86) p-Isopropyltoluene	12.06	119	146984	20.555	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	73648	20.321	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	74198	20.306	ug/l	98
89) n-Butylbenzene	12.38	91	129098	19.974	ug/l	100
90) Hexachloroethane	12.59	117	23772	19.513	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	75091	20.342	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15016	21.922	ug/l	97

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MSVOA_X
ClientSampleId :
VX0516WBSD01

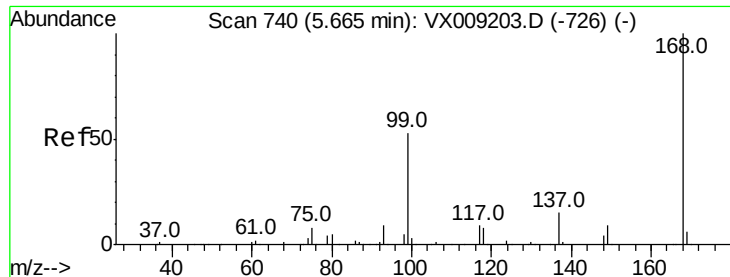
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	51992	20.596	ug/l	99
94) Hexachlorobutadiene	13.78	225	26563	20.606	ug/l	98
95) Naphthalene	13.83	128	174189	21.210	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	54483	21.292	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009603.D

Acq: 16 May 2019 13:37

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBSD01

Tot Ion:168 Resp: 159996

Ion Ratio Lower Upper

168 100

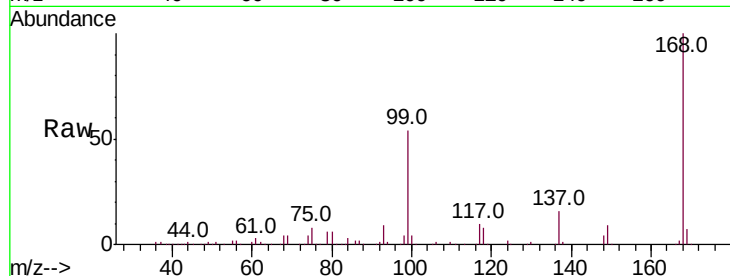
99 54.4 42.3 63.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

50000

40000

30000

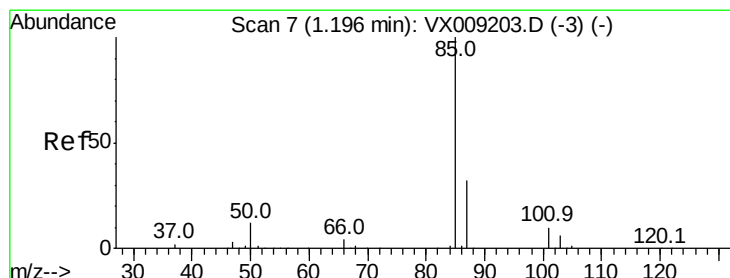
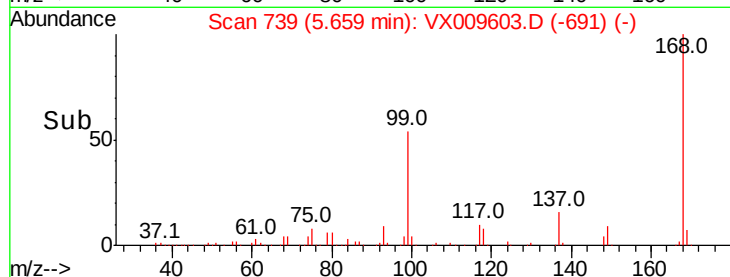
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 17.163 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009603.D

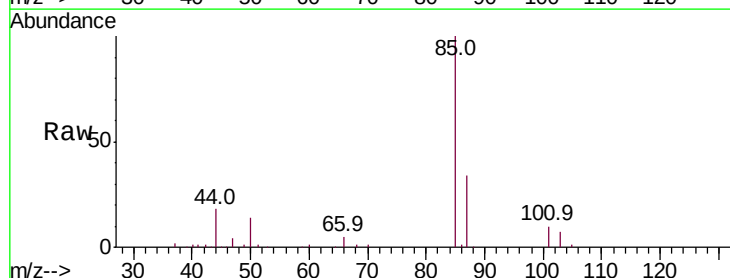
Acq: 16 May 2019 13:37

Tgt Ion: 85 Resp: 25305

Ion Ratio Lower Upper

85 100

87 33.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

25000

20000

15000

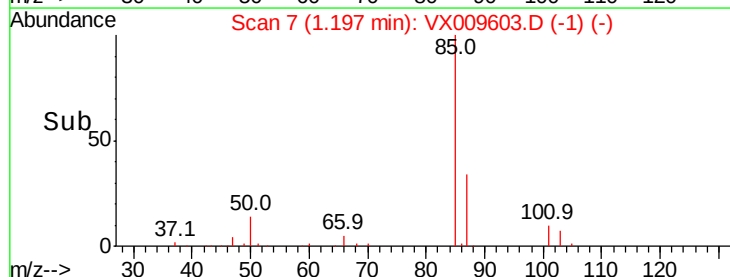
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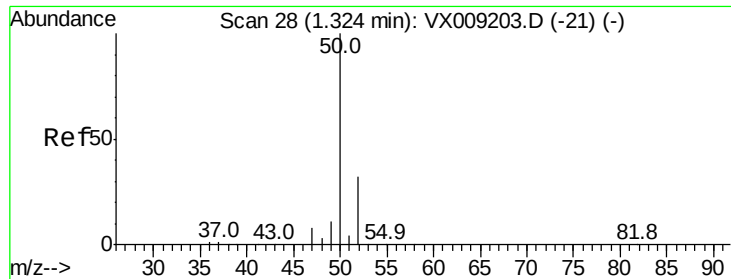
5000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 20.041 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009603.D

Acq: 16 May 2019 13:37

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBSD01

Tot Ion: 50 Resp: 40341

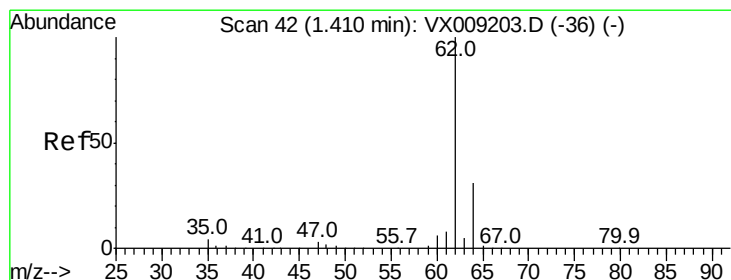
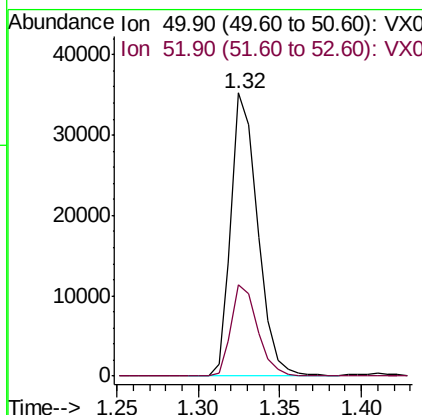
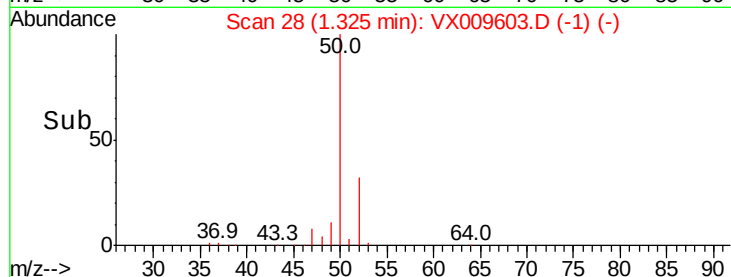
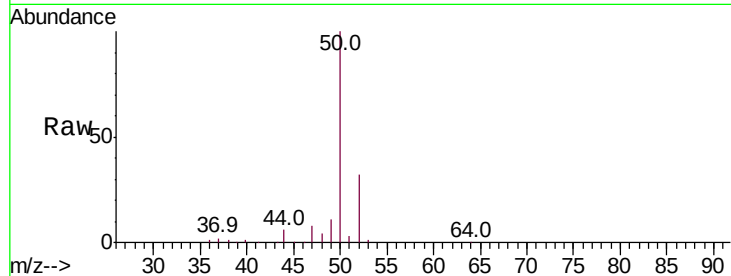
Ion Ratio Lower Upper

50 100

52 32.3 25.9 38.9

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#4

Vinyl Chloride

Concen: 20.038 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009603.D

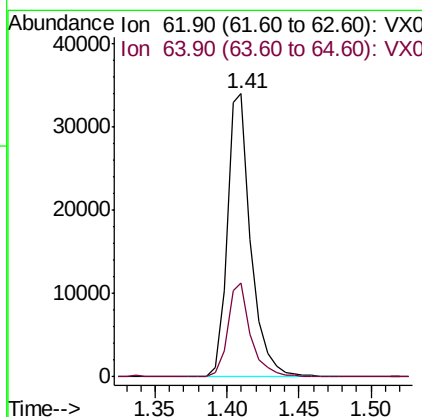
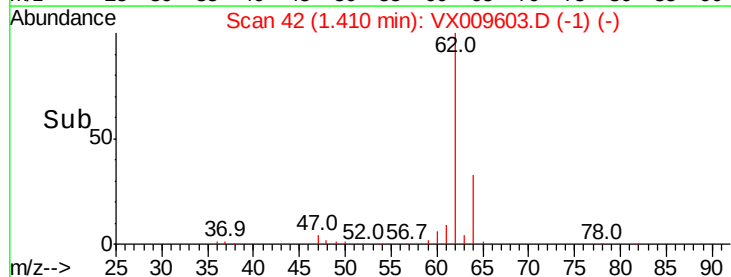
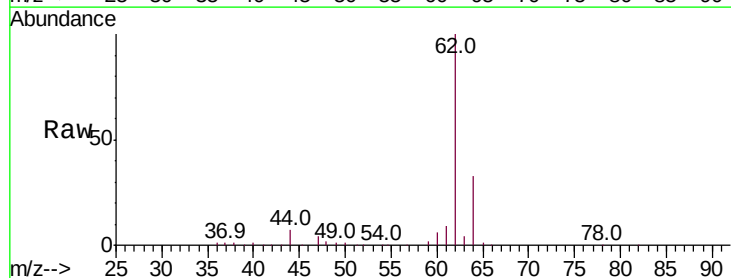
Acq: 16 May 2019 13:37

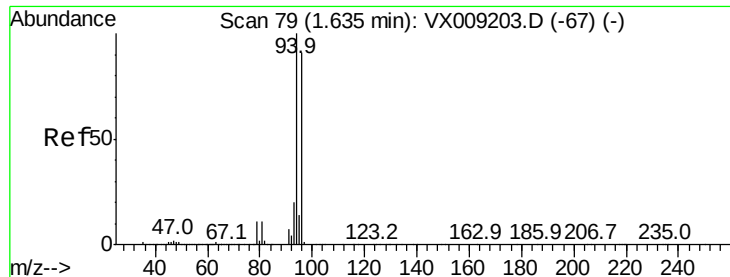
Tgt Ion: 62 Resp: 39332

Ion Ratio Lower Upper

62 100

64 33.0 24.6 36.8





#5

Bromomethane

Concen: 21.335 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009603.D

Acq: 16 May 2019 13:37

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBSD01

Tot Ion: 94 Resp: 25135

Ion Ratio Lower Upper

94 100

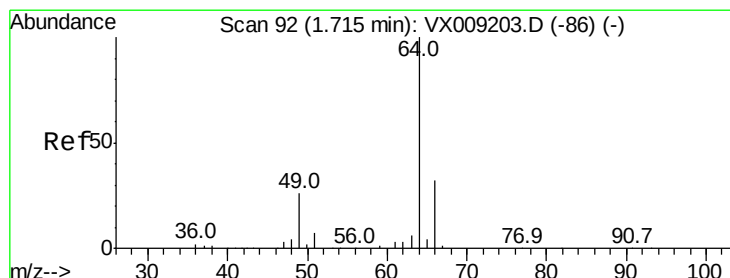
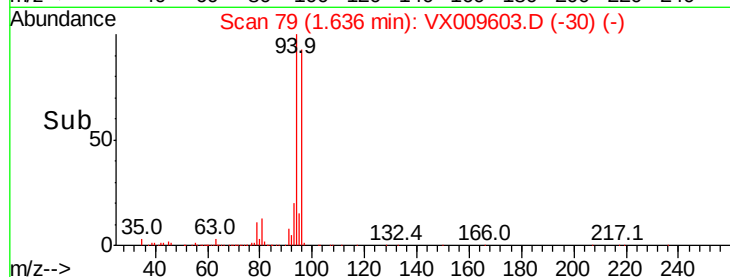
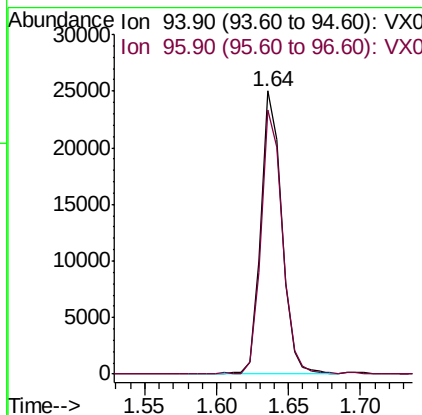
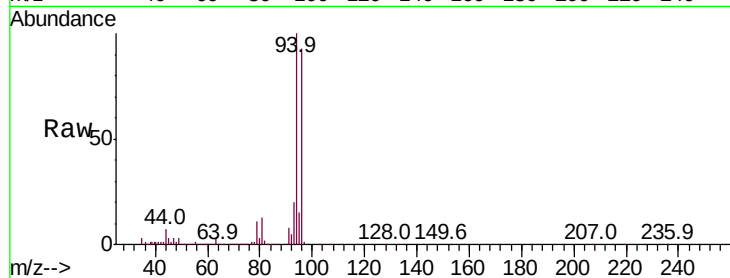
96 93.2 73.0 109.6

Manual Integrations

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#6

Chloroethane

Concen: 19.781 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009603.D

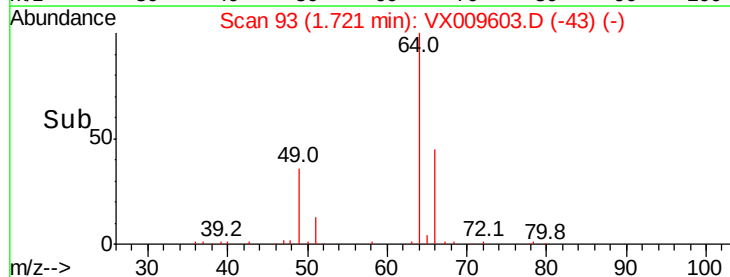
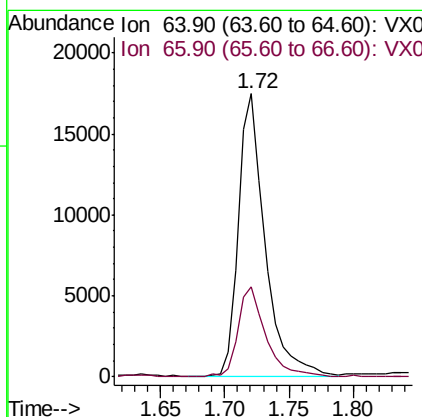
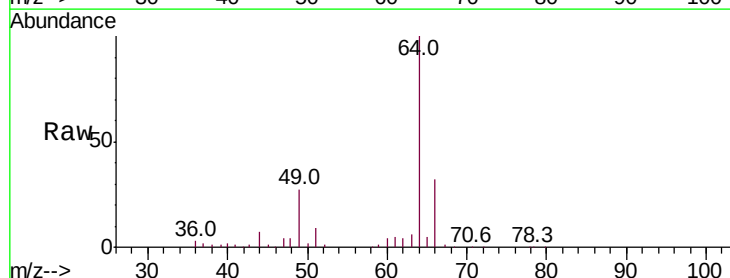
Acq: 16 May 2019 13:37

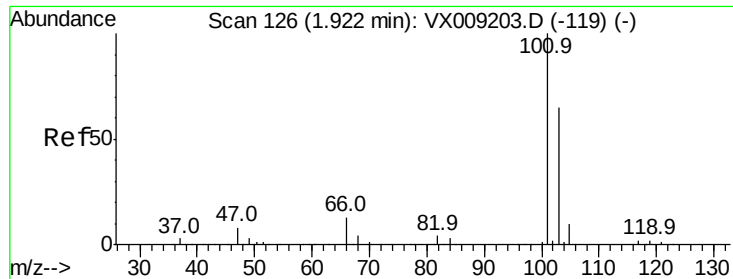
Tgt Ion: 64 Resp: 24928

Ion Ratio Lower Upper

64 100

66 31.9 25.3 37.9





#7

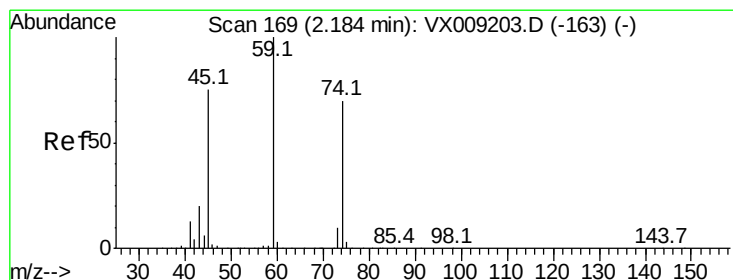
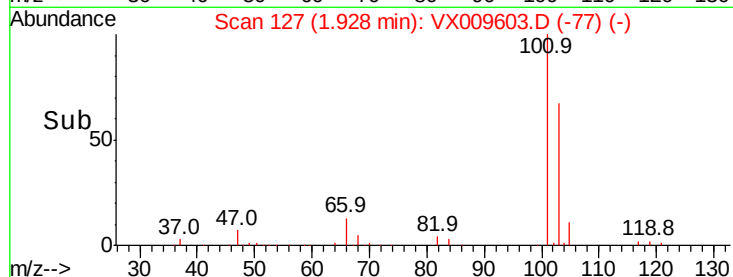
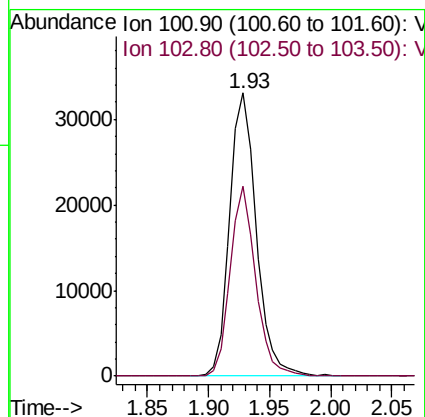
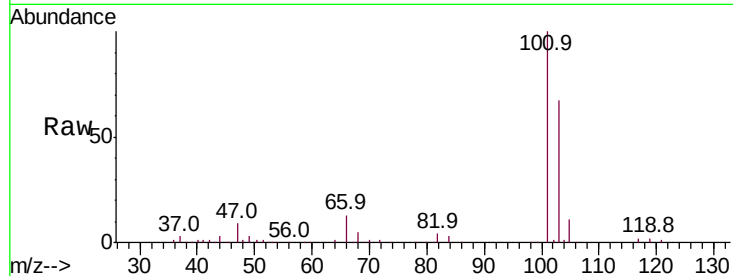
Trichlorofluoromethane
Concen: 20.878 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX009603.D
Acq: 16 May 2019 13:37

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBSD01

Tot Ion:101 Resp: 49814
Ion Ratio Lower Upper
101 100
103 66.9 52.4 78.6

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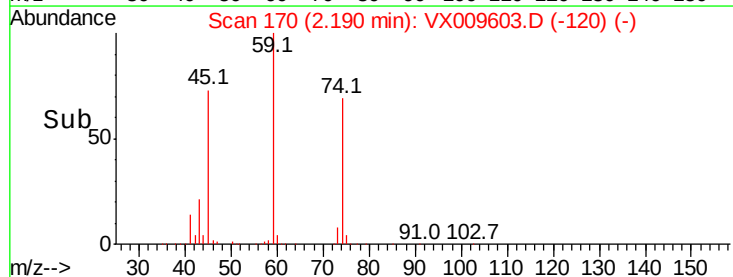
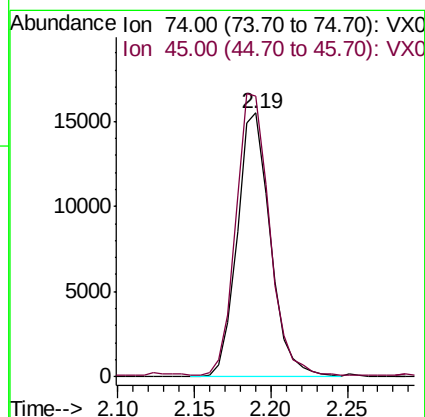
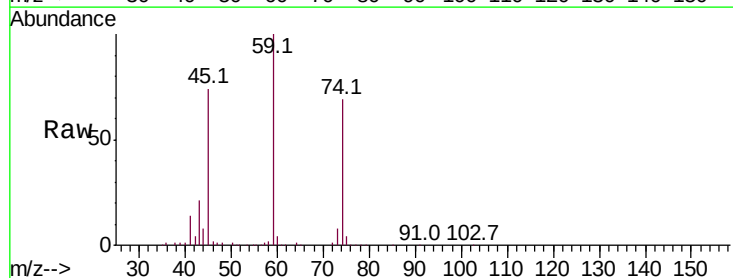
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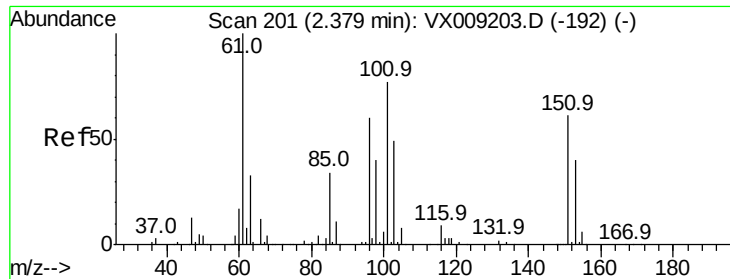


#8

Diethyl Ether
Concen: 20.626 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009603.D
Acq: 16 May 2019 13:37

Tgt Ion: 74 Resp: 23311
Ion Ratio Lower Upper
74 100
45 107.7 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.438 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009603.D

Acq: 16 May 2019 13:37

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBSD01

Tot Ion:101 Resp: 30623

Ion Ratio Lower Upper

101 100

85 43.8 35.7 53.5

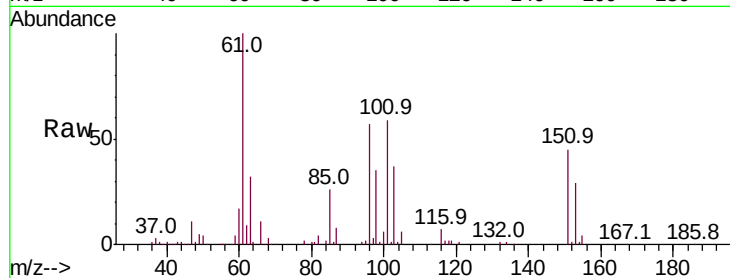
151 78.0 62.2 93.2

Manual Integrations

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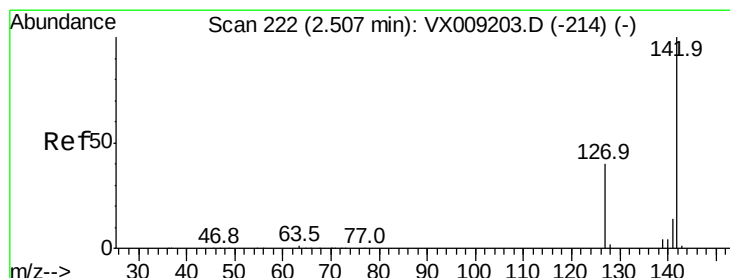
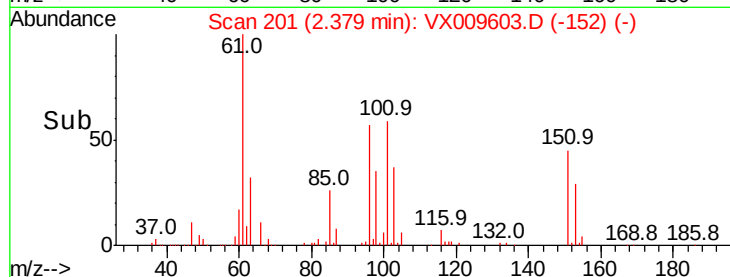
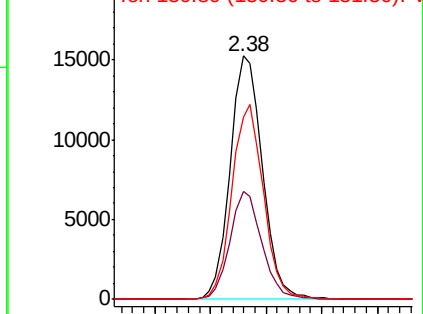


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.968 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009603.D

Acq: 16 May 2019 13:37

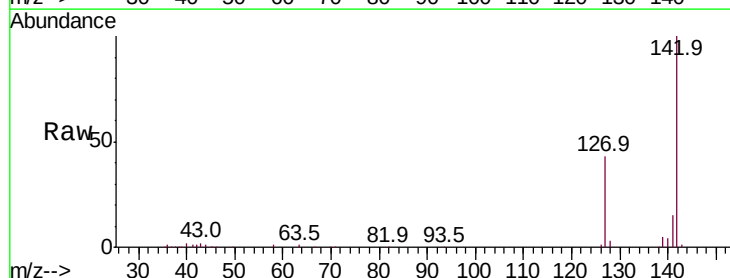
Tgt Ion:142 Resp: 33307

Ion Ratio Lower Upper

142 100

127 41.9 32.7 49.1

141 14.8 11.5 17.3

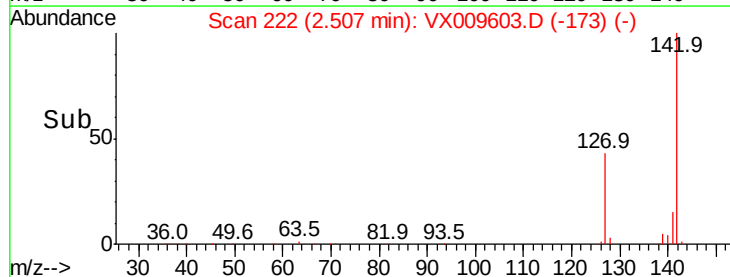
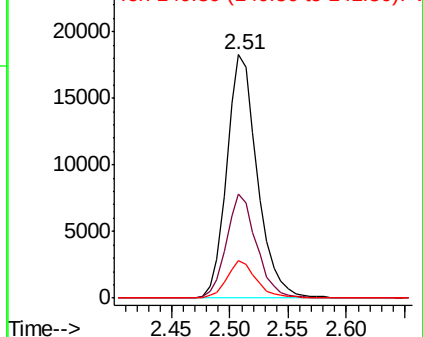


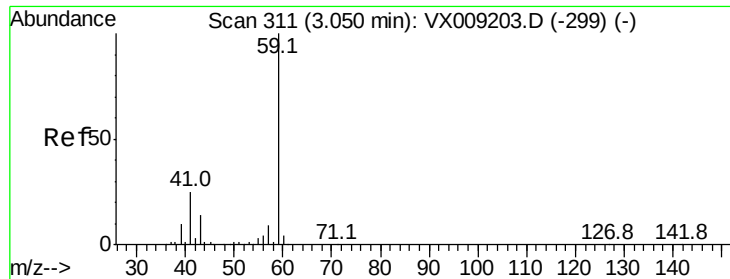
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





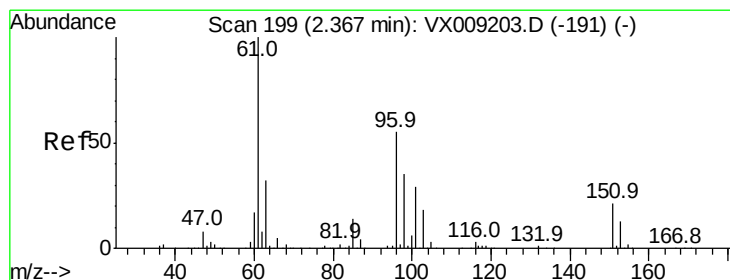
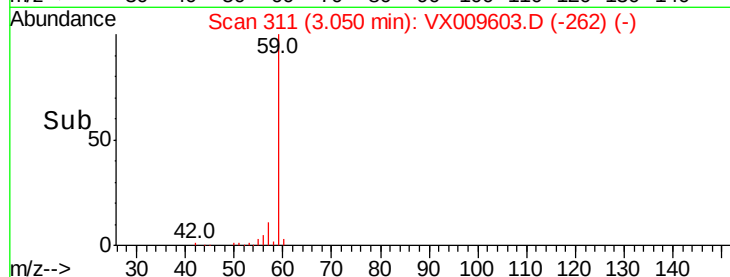
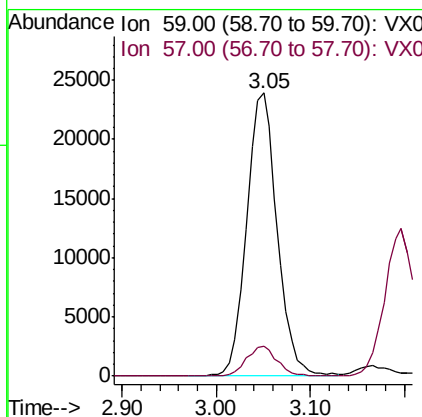
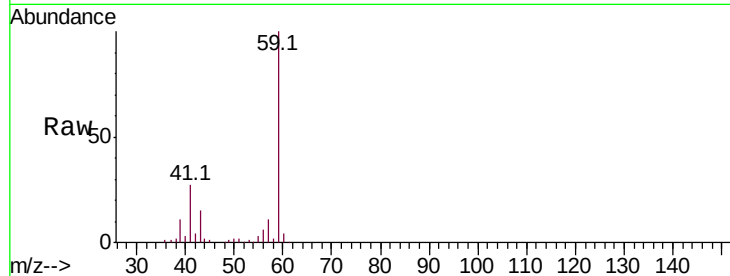
#11
Tert butyl alcohol
Concen: 107.897 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX009603.D
Acq: 16 May 2019 13:37

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBSD01

Tot Ion	59	Resp	54550
Ion Ratio	100	Lower	Upper
57	10.9	8.2	12.2

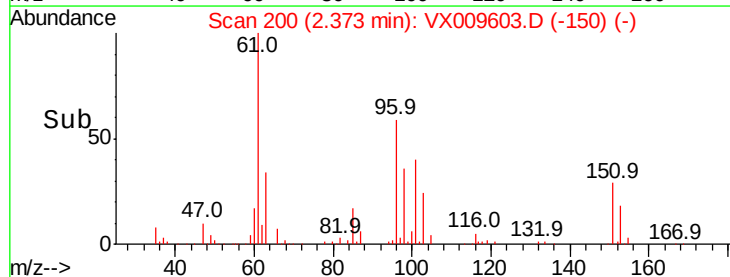
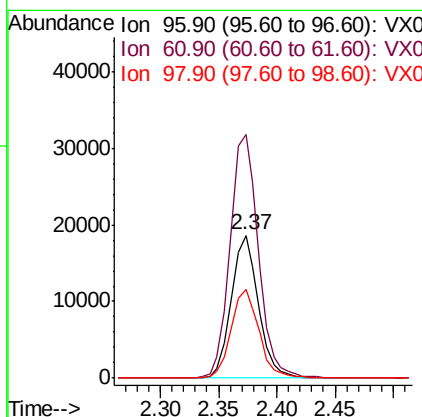
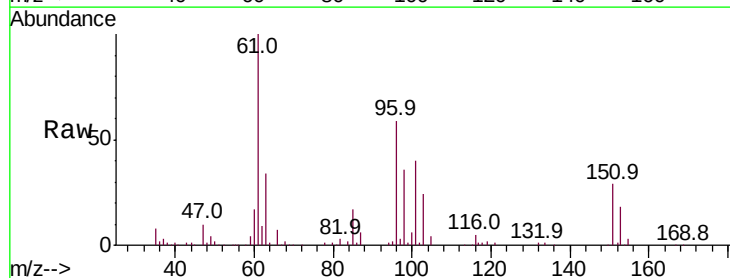
Manual Integrations
APPROVED

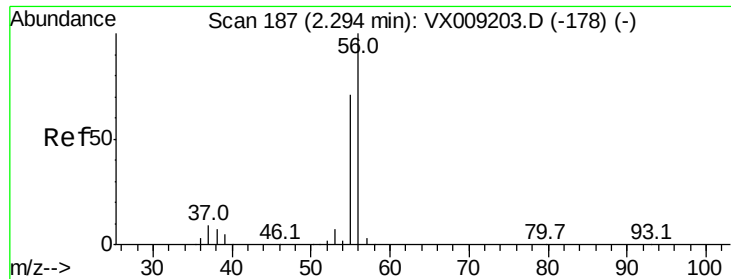
MMDadoda
5/17/2019 1:09:21 PM



#12
1,1-Dichloroethene
Concen: 20.118 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009603.D
Acq: 16 May 2019 13:37

Tgt Ion	96	Resp	30201
Ion Ratio	100	Lower	Upper
61	170.5	144.3	216.5
98	62.3	50.3	75.5





#13

Acrolein

Concen: 61.095 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009603.D

Acq: 16 May 2019 13:37

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBSD01

Tot Ion: 56 Resp: 27973

Ion Ratio Lower Upper

56 100

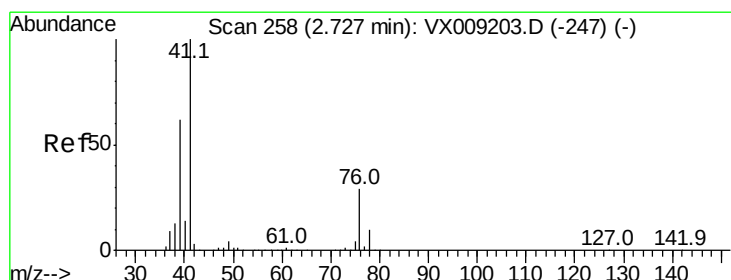
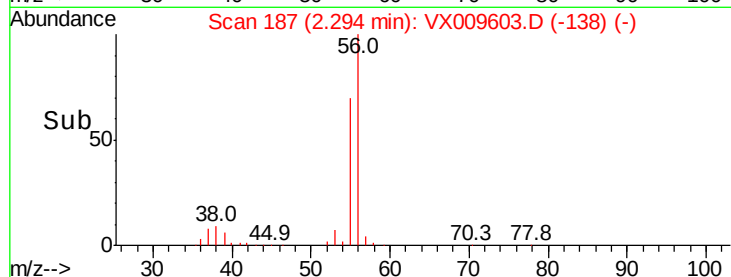
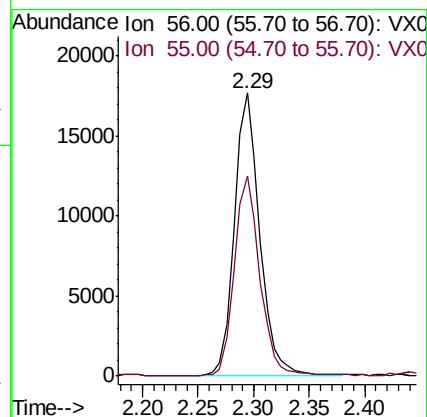
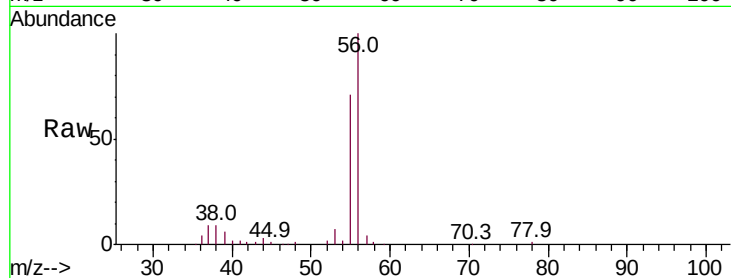
55 71.7 56.6 85.0

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#14

Allyl chloride

Concen: 19.957 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009603.D

Acq: 16 May 2019 13:37

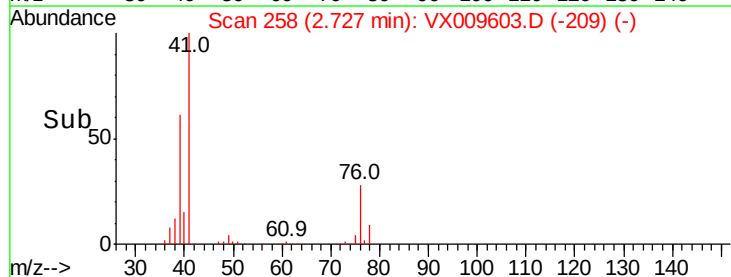
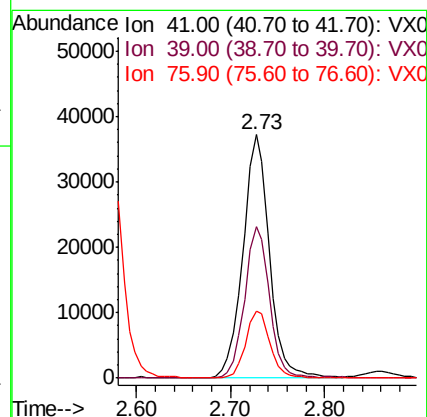
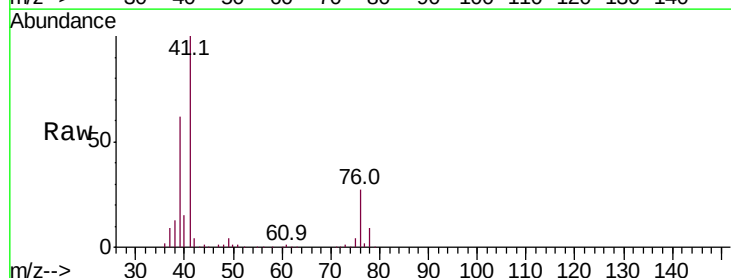
Tgt Ion: 41 Resp: 73012

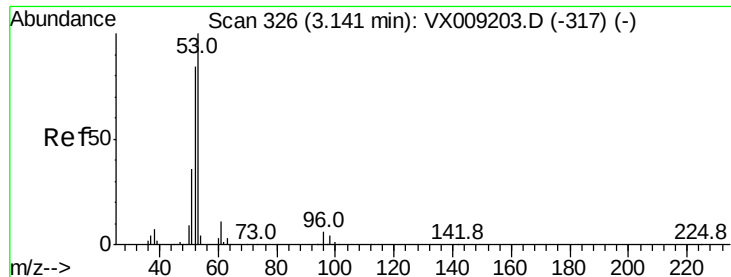
Ion Ratio Lower Upper

41 100

39 57.8 46.7 70.1

76 25.7 21.8 32.8





#15

Acrylonitrile

Concen: 106.967 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009603.D

Acq: 16 May 2019 13:37

Instrument :

MSVOA_X

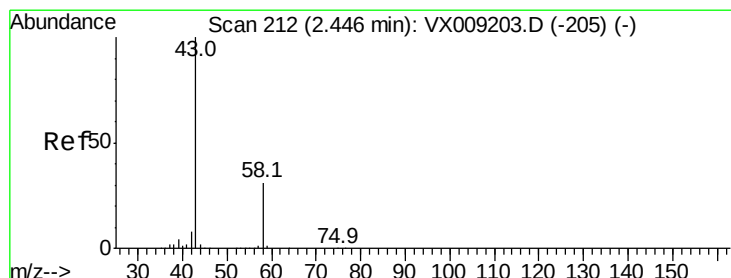
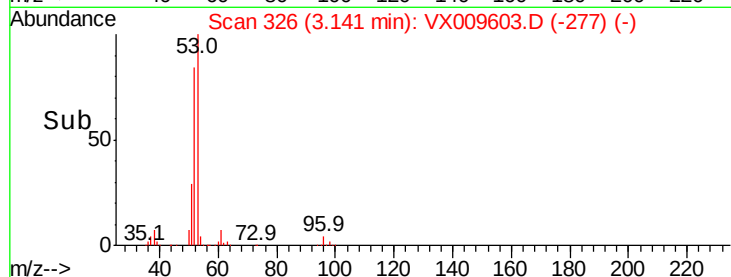
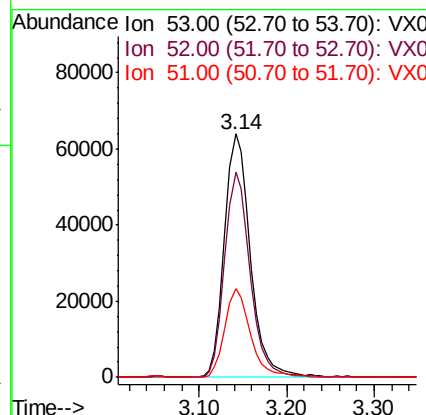
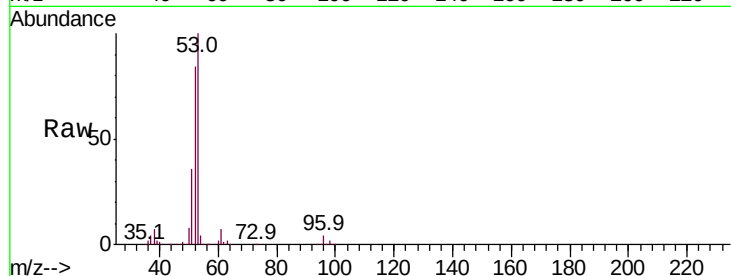
ClientSampleId :

VX0516WBSD01

Tot Ion:	53	Resp:	132229
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.9	100.3
51	36.2	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 101.905 ug/l

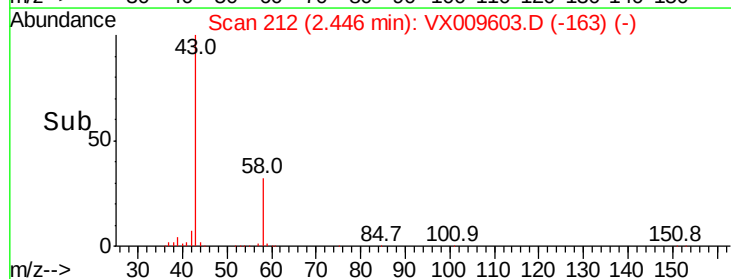
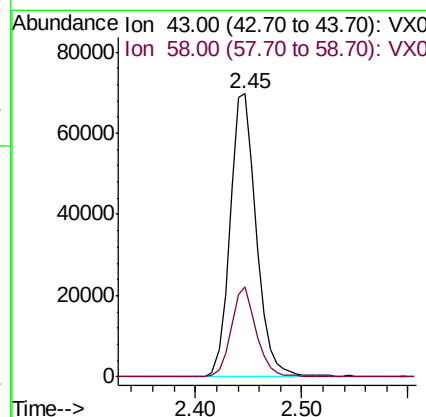
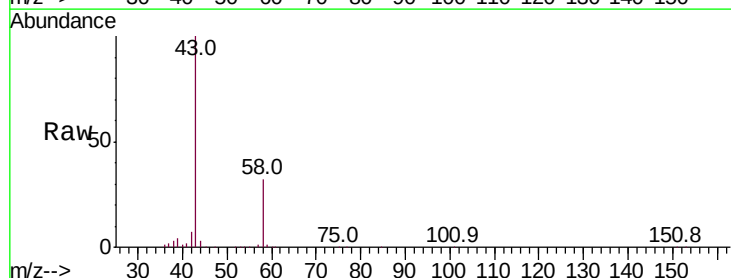
RT: 2.45 min Scan# 212

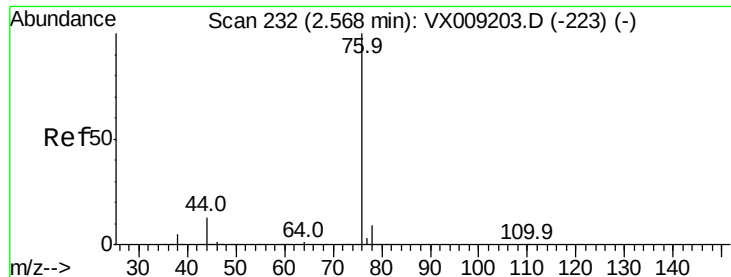
Delta R.T. 0.00 min

Lab File: VX009603.D

Acq: 16 May 2019 13:37

Tgt Ion:	43	Resp:	119514
Ion	Ratio	Lower	Upper
43	100		
58	31.5	24.9	37.3





#17

Carbon Disulfide

Concen: 19.097 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009603.D

Acq: 16 May 2019 13:37

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBSD01

Tot Ion: 76 Resp: 80490

Ion Ratio Lower Upper

76 100

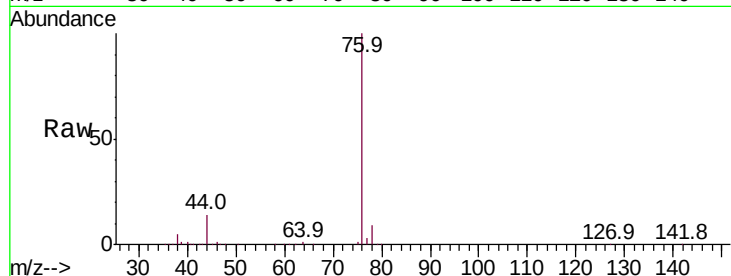
78 9.0 7.4 11.0

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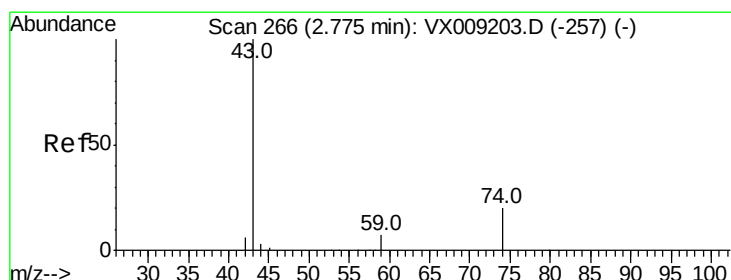
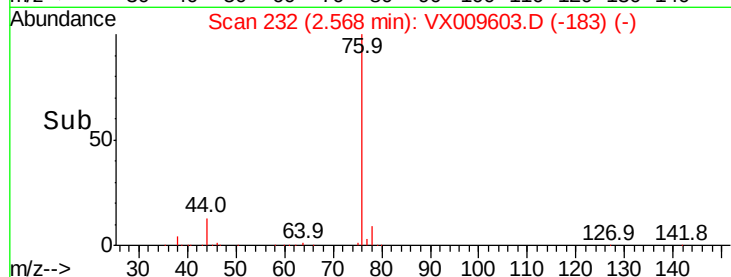
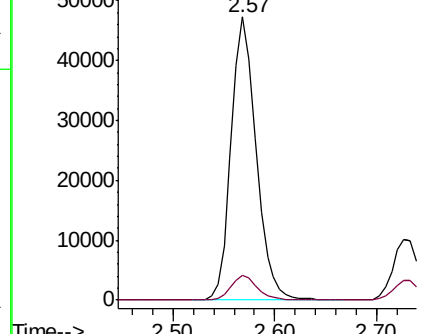
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 20.945 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009603.D

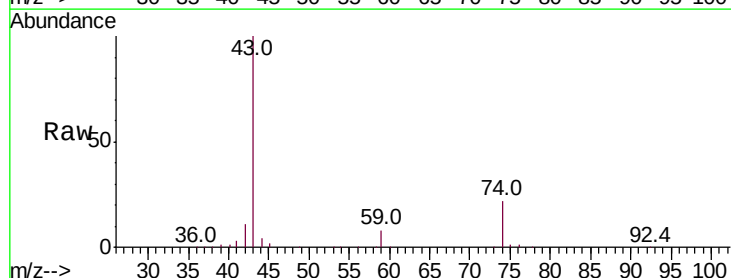
Acq: 16 May 2019 13:37

Tgt Ion: 43 Resp: 58419

Ion Ratio Lower Upper

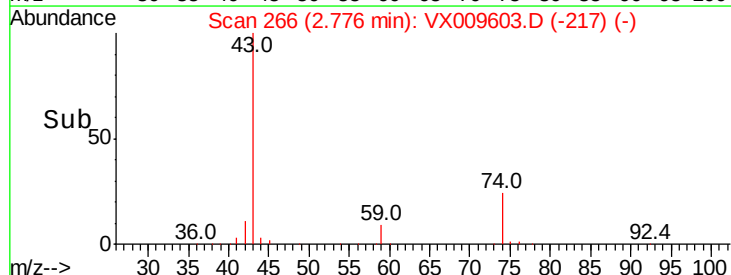
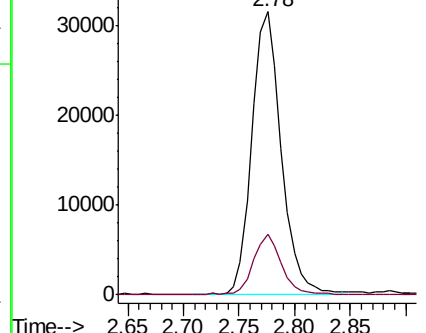
43 100

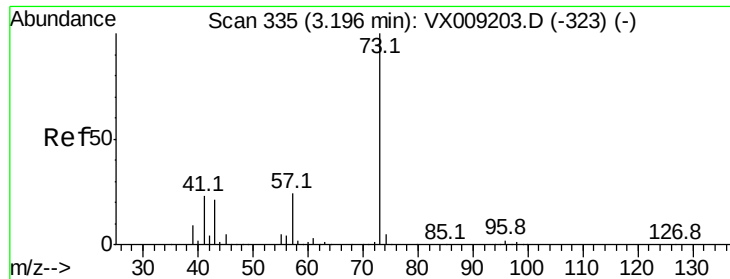
74 20.8 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





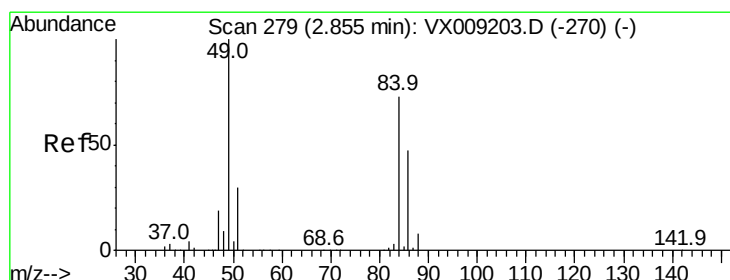
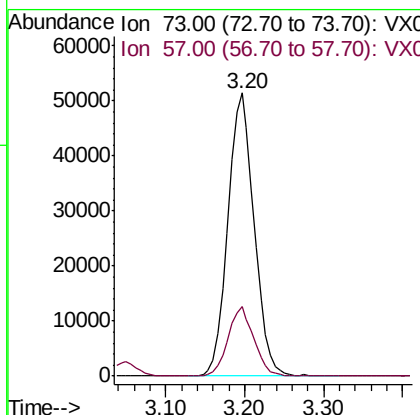
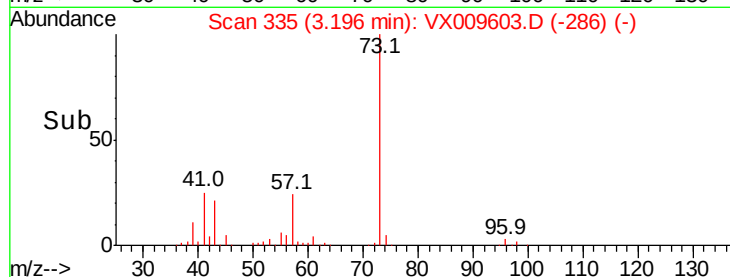
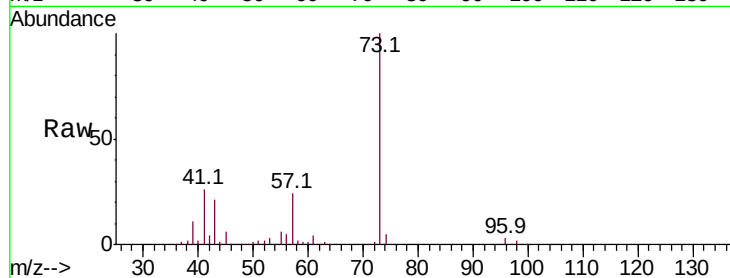
#19
Methyl tert-butyl Ether
Concen: 20.414 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009603.D
Acq: 16 May 2019 13:37

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.4	19.3	28.9

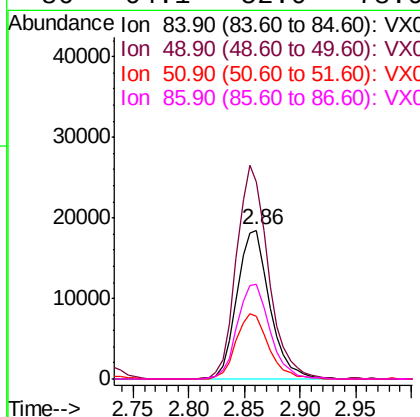
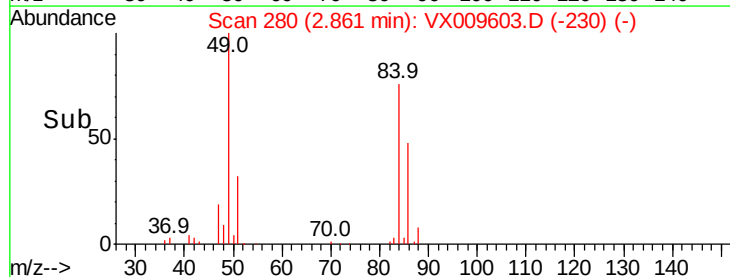
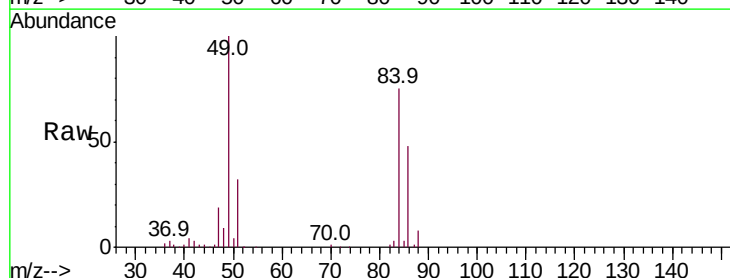
Manual Integrations
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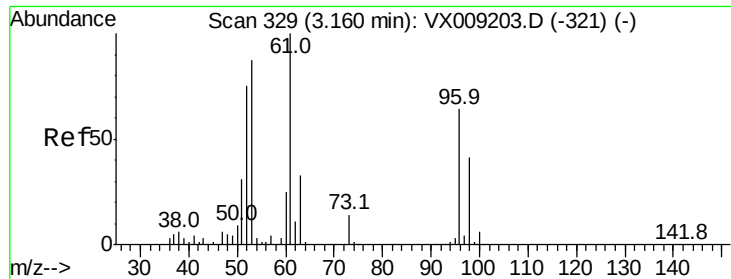
MMDadoda
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#20
Methylene Chloride
Concen: 19.790 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX009603.D
Acq: 16 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	132.7	109.9	164.9
51	41.8	32.7	49.1
86	64.1	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 20.243 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009603.D

Acq: 16 May 2019 13:37

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBSD01

Tot Ion: 96 Resp: 32958

Ion Ratio Lower Upper

96 100

61 146.6 124.5 186.7

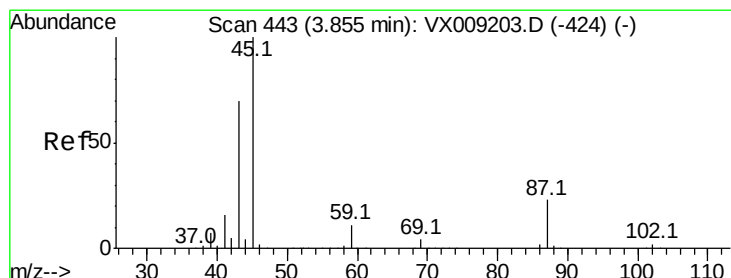
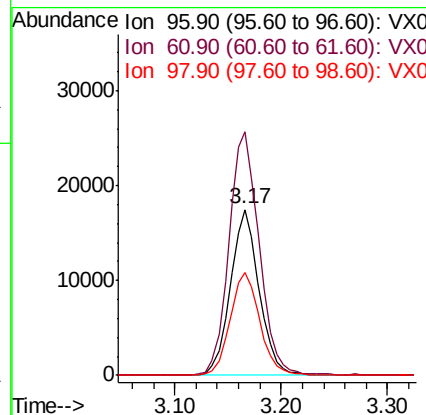
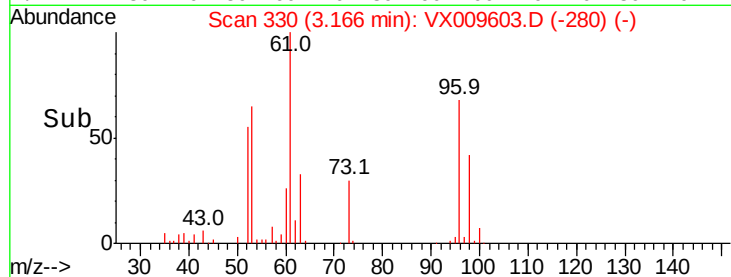
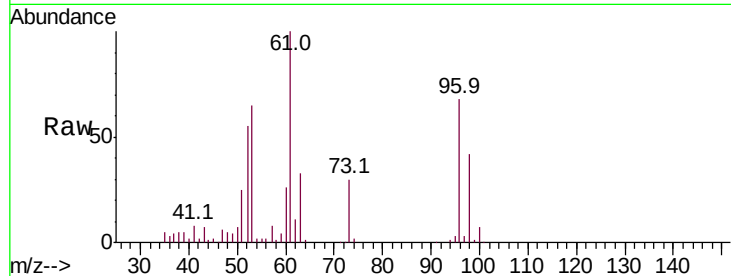
98 61.6 50.4 75.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 21.104 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009603.D

Acq: 16 May 2019 13:37

Tgt Ion: 45 Resp: 148479

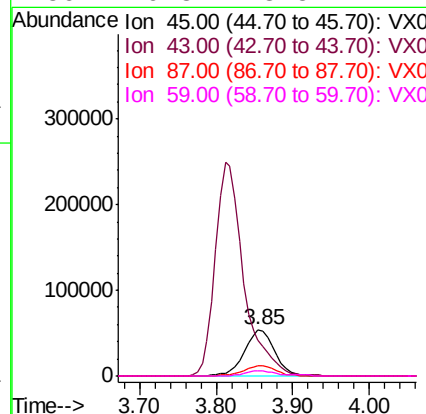
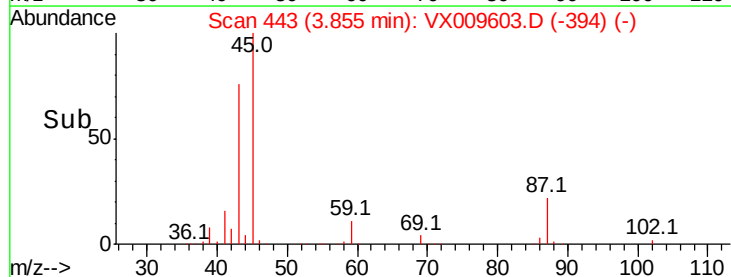
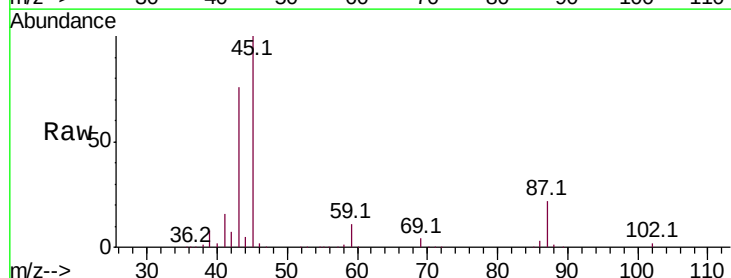
Ion Ratio Lower Upper

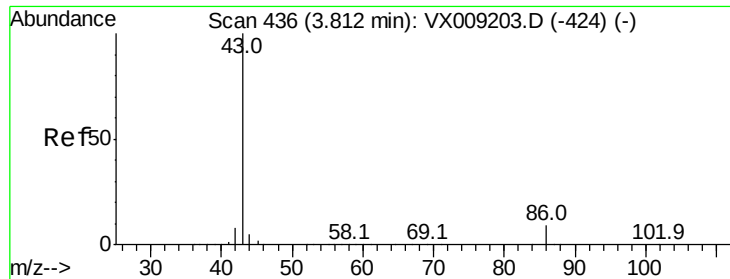
45 100

43 75.0 56.1 84.1

87 22.0 18.1 27.1

59 10.8 8.5 12.7





#23

Vinyl Acetate

Concen: 107.454 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009603.D

Acq: 16 May 2019 13:37

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBSD01

Tot Ion: 43 Resp: 647384

Ion Ratio Lower Upper

43 100

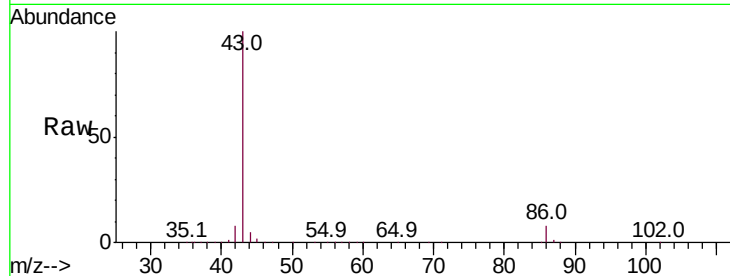
86 8.3 6.9 10.3

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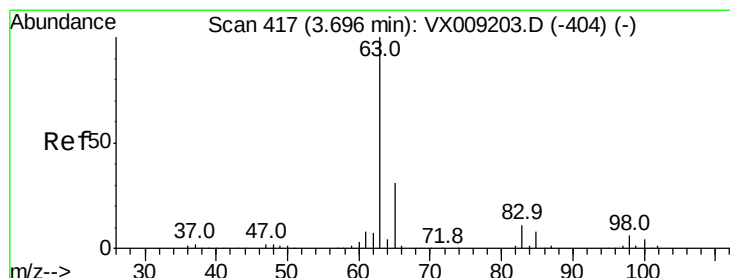
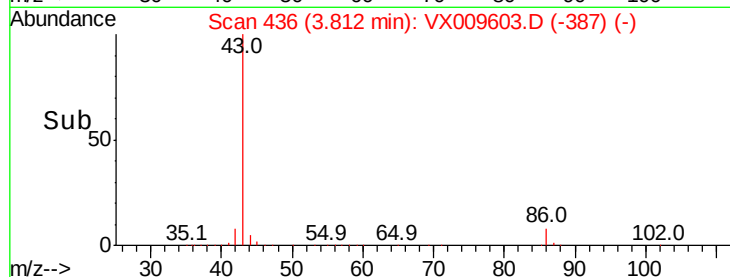
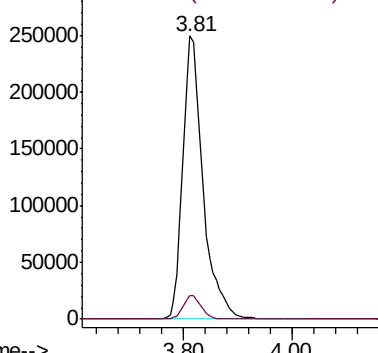
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 20.370 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009603.D

Acq: 16 May 2019 13:37

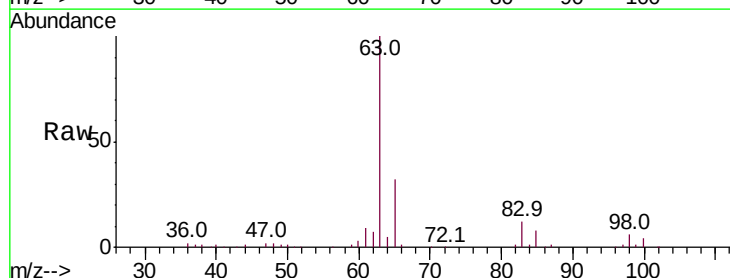
Tgt Ion: 63 Resp: 70700

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

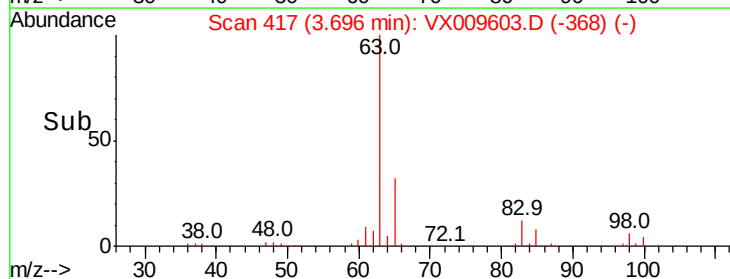
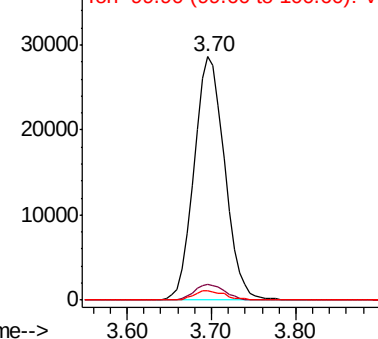
100 3.7 2.0 6.0

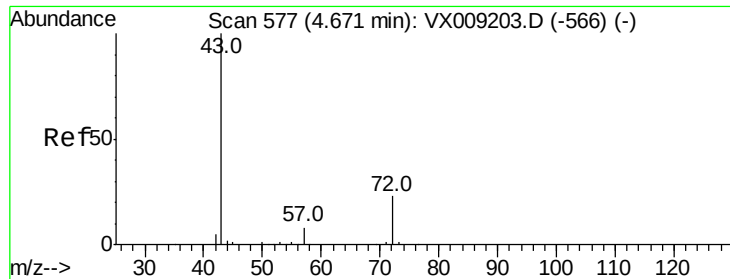


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 107.814 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009603.D

Acq: 16 May 2019 13:37

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBSD01

Tot Ion: 43 Resp: 196489

Ion Ratio Lower Upper

43 100

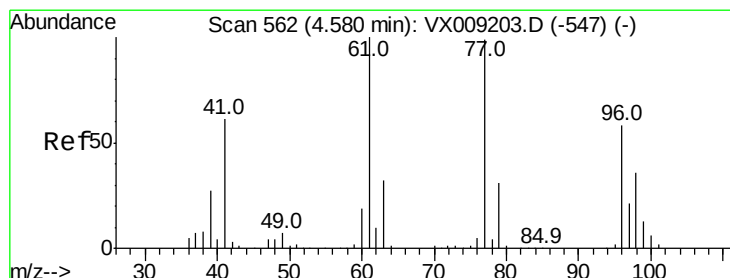
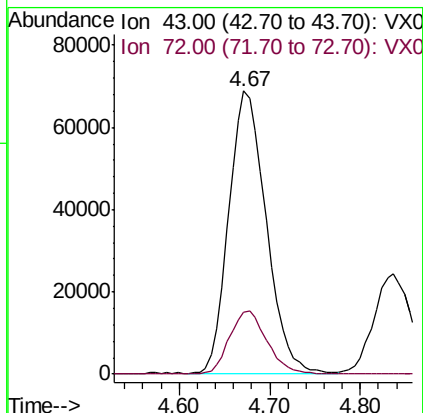
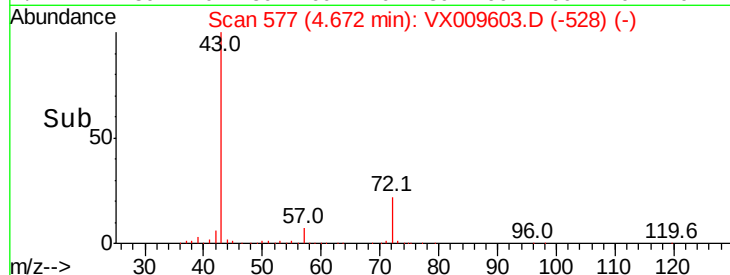
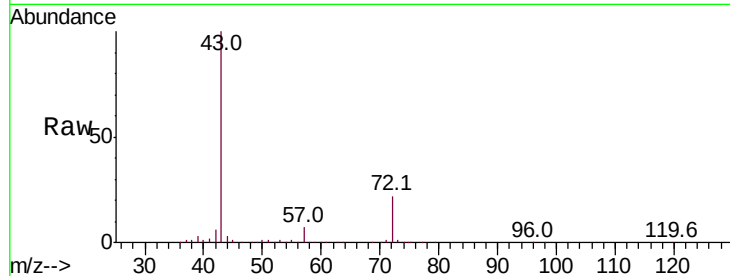
72 21.6 18.2 27.2

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#26

2,2-Dichloropropane

Concen: 18.829 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009603.D

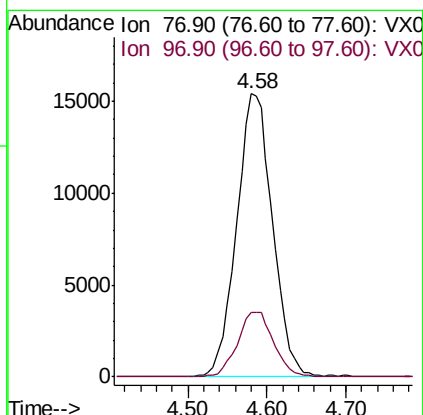
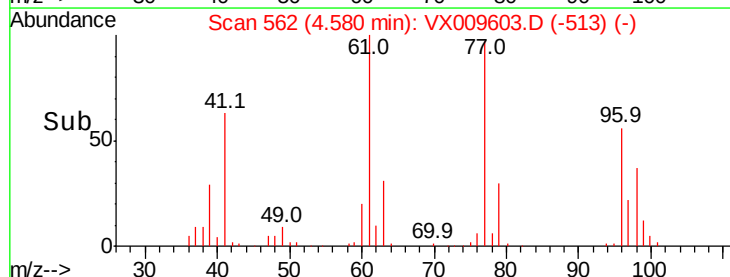
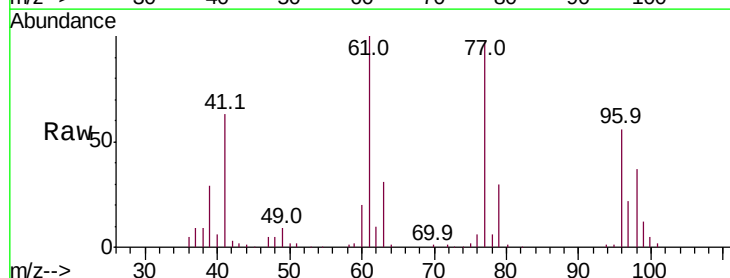
Acq: 16 May 2019 13:37

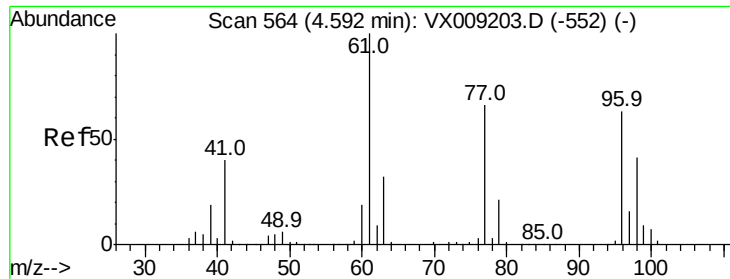
Tgt Ion: 77 Resp: 48643

Ion Ratio Lower Upper

77 100

97 23.1 11.5 34.4





#27

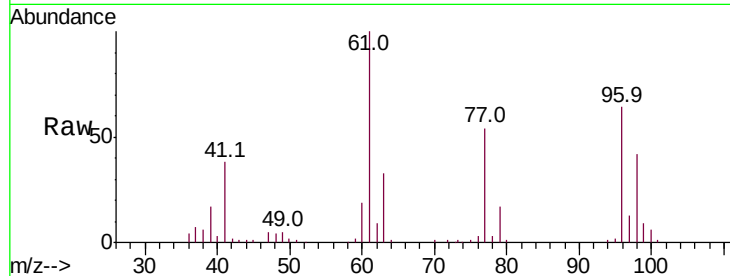
cis-1,2-Dichloroethene
Concen: 20.192 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009603.D
Acq: 16 May 2019 13:37

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.7	0.0	324.0
98	65.5	0.0	130.4

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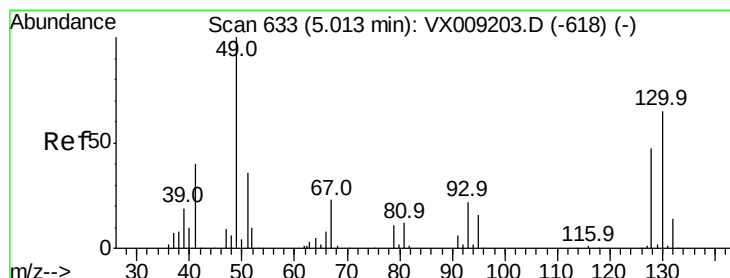
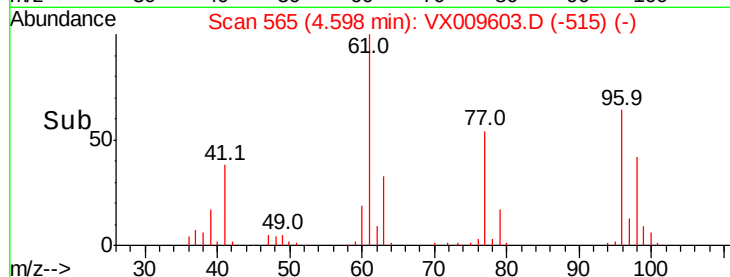
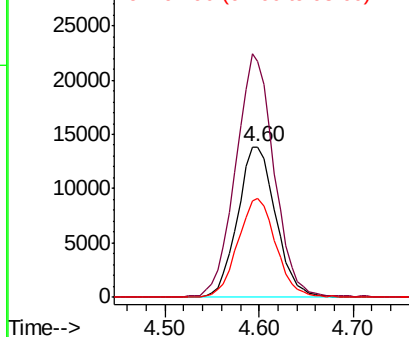


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

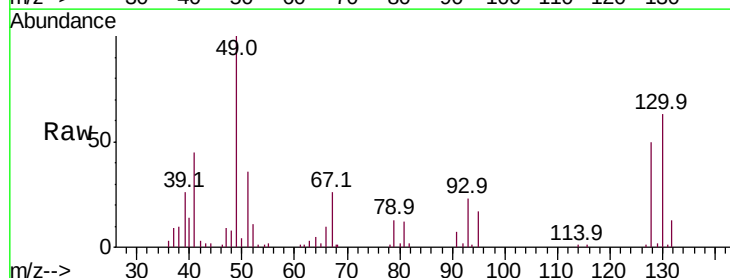
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 17.637 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009603.D
Acq: 16 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.8
130	62.8	51.2	76.8

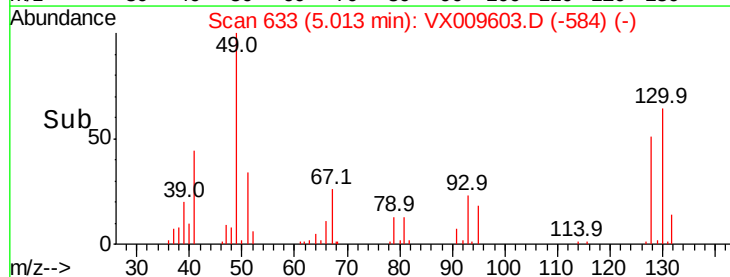
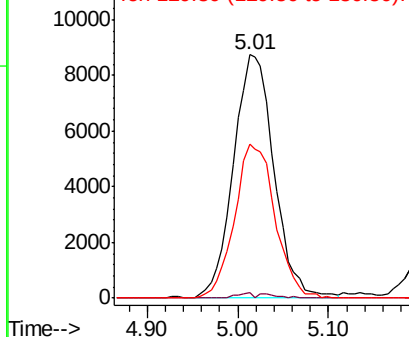


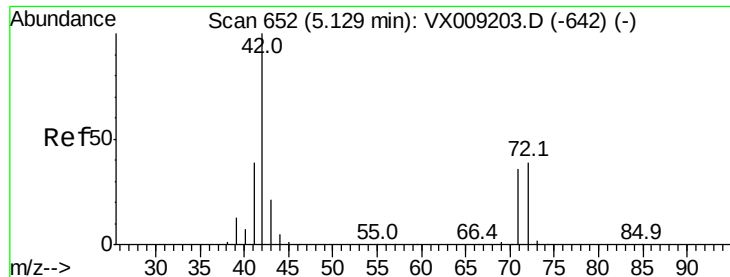
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





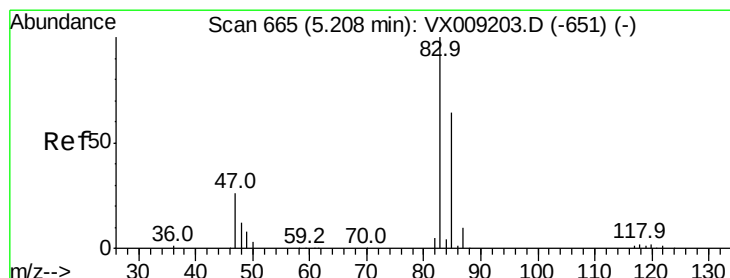
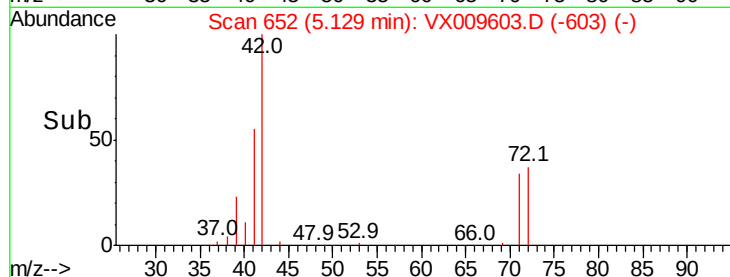
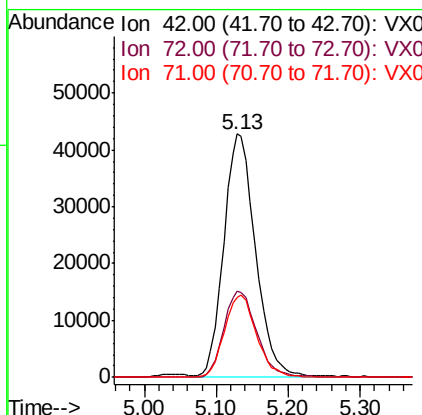
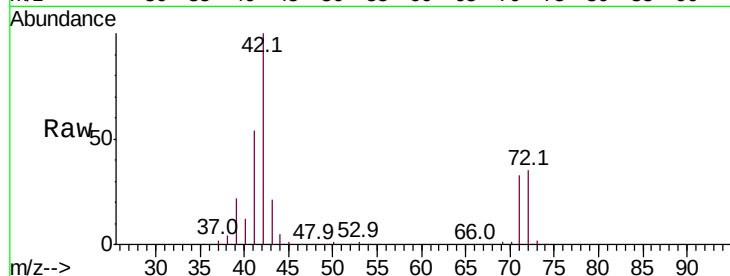
#29
Tetrahydrofuran
Concen: 110.507 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX009603.D
Acq: 16 May 2019 13:37

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.4	30.4	45.6
71	34.7	28.6	43.0

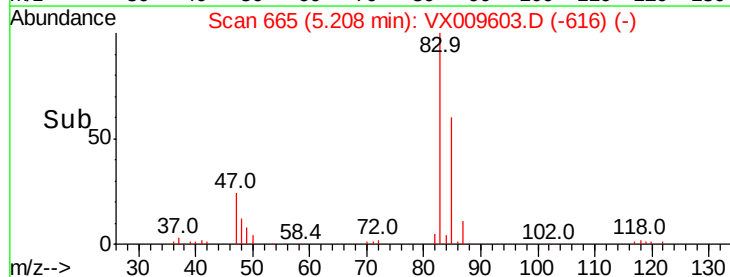
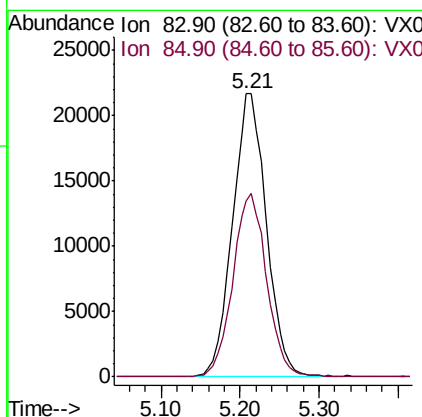
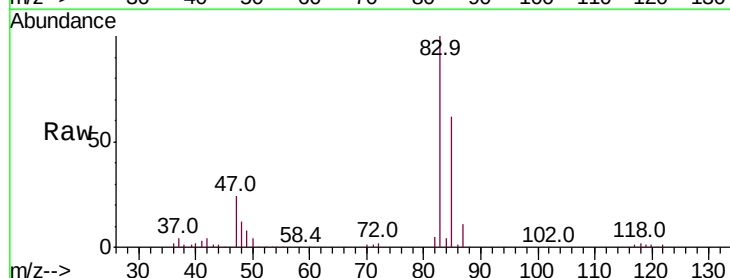
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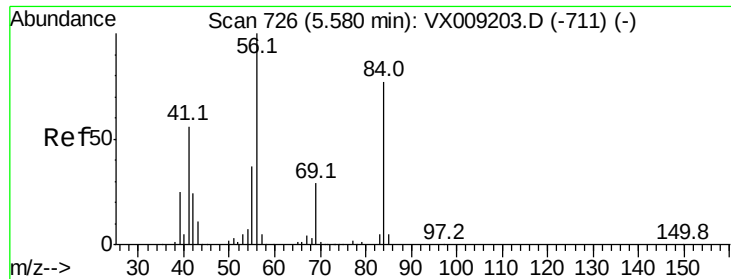
MMDadoda
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#30
Chloroform
Concen: 20.634 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX009603.D
Acq: 16 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.5	77.3





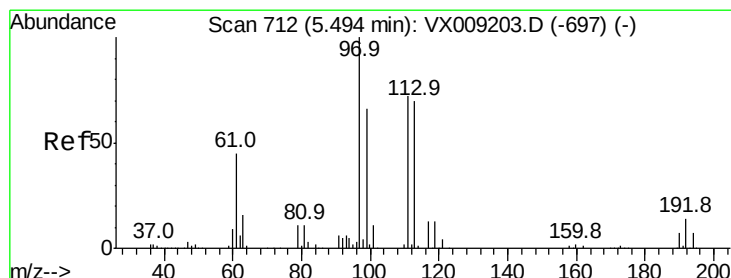
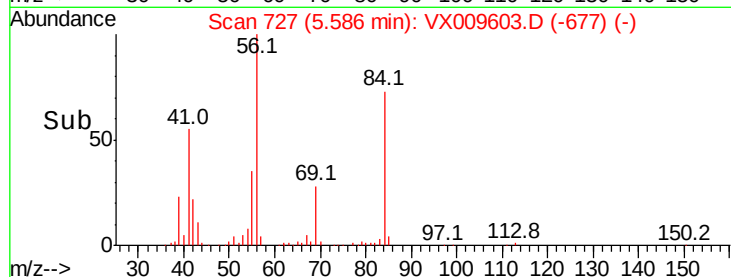
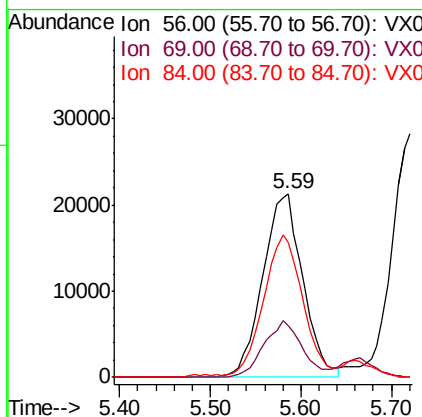
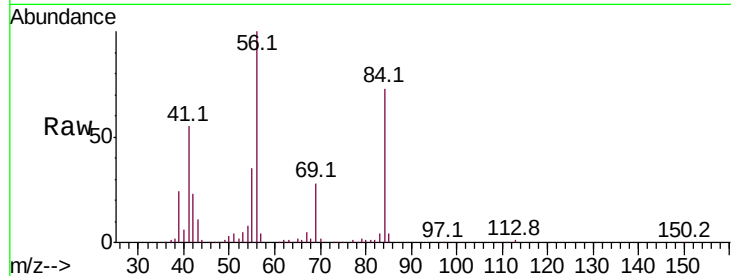
#31
Cyclohexane
Concen: 20.113 ug/l
RT: 5.59 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX009603.D
Acq: 16 May 2019 13:37

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.0	23.4	35.0
84	72.3	61.9	92.9

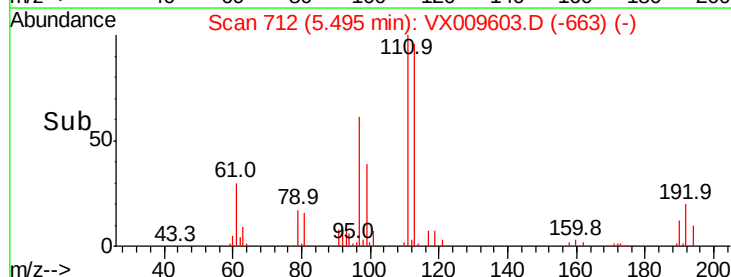
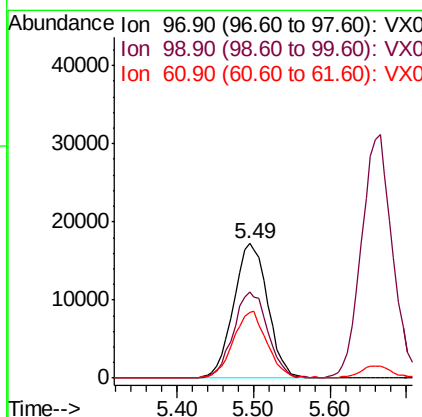
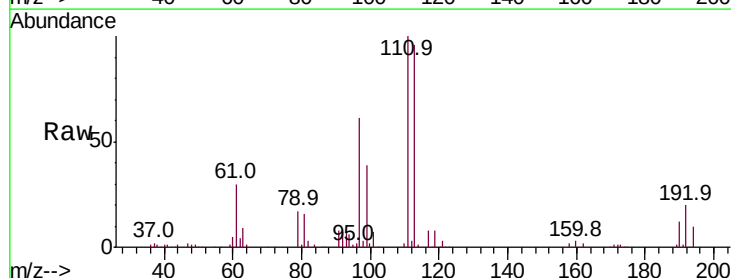
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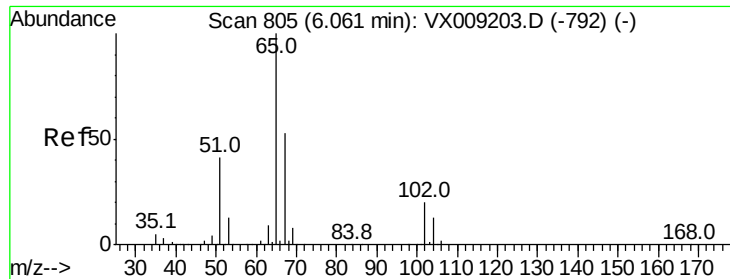
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.490 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX009603.D
Acq: 16 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.8	77.8
61	48.7	37.8	56.8





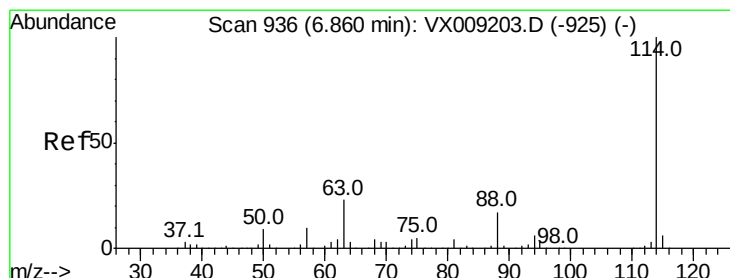
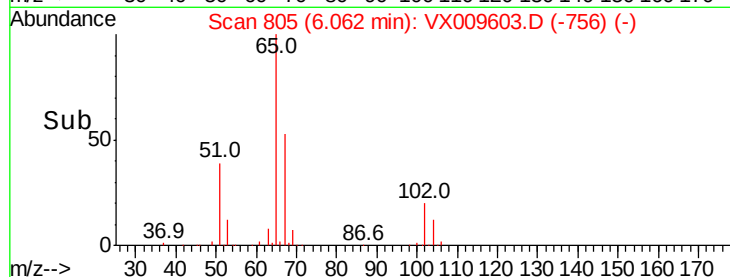
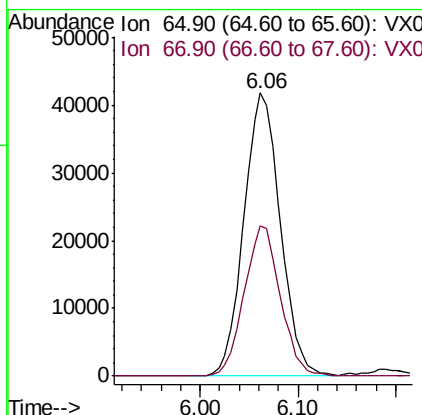
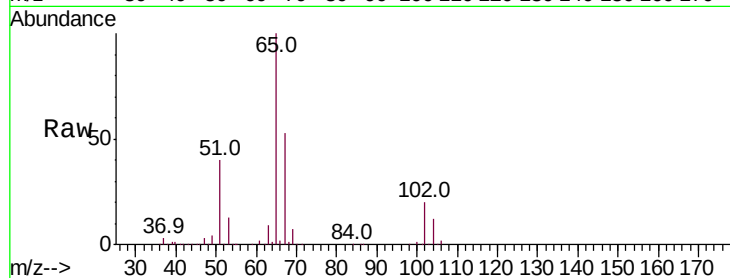
#33
 1,2-Dichloroethane-d4
 Concen: 49.457 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009603.D
 Acq: 16 May 2019 13:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.8	0.0	106.6	

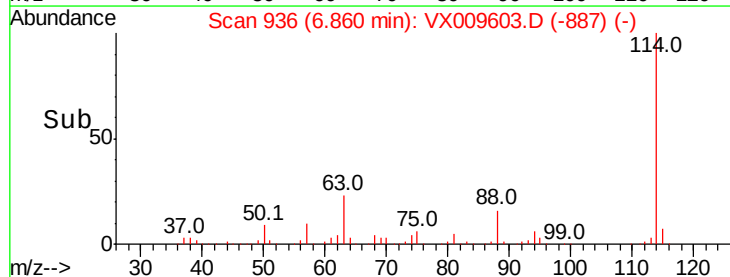
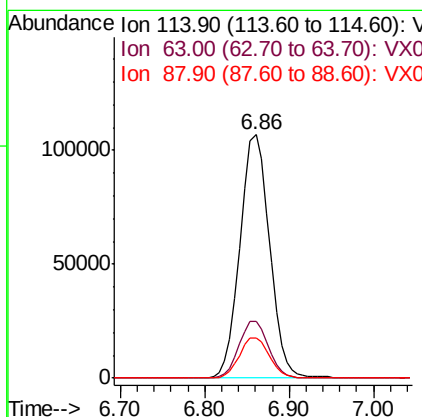
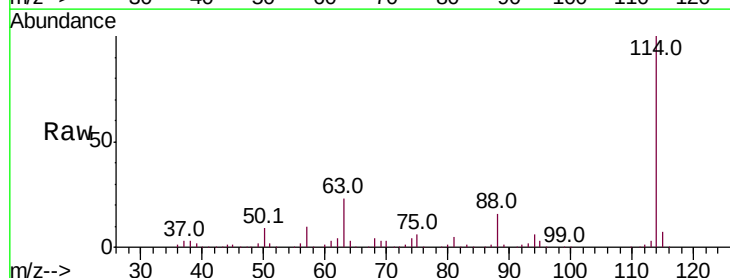
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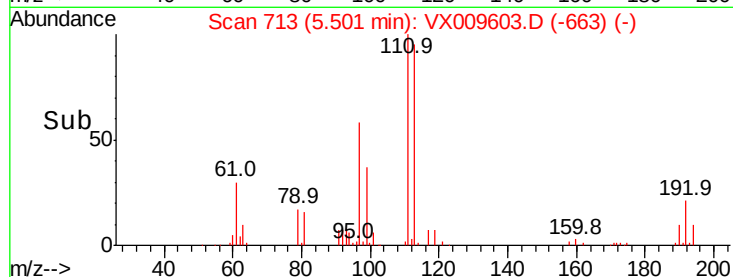
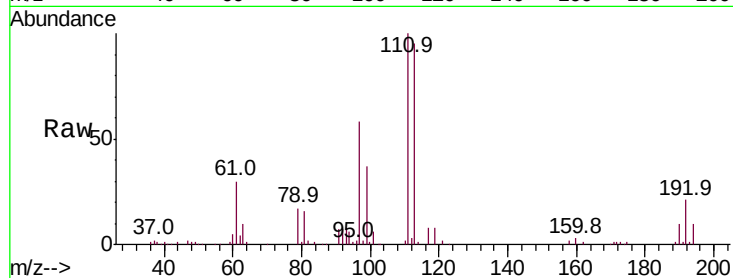
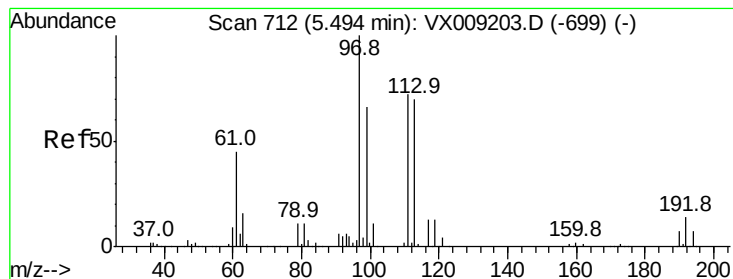
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 5/17/2019 1:09:21 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009603.D
 Acq: 16 May 2019 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	23.3	0.0	45.6	
88	16.2	0.0	33.2	





#35

Dibromofluoromethane

Concen: 49.500 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009603.D

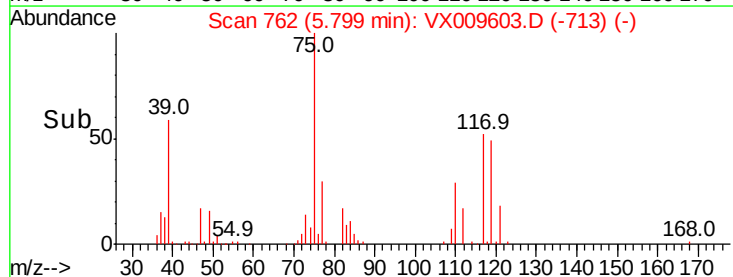
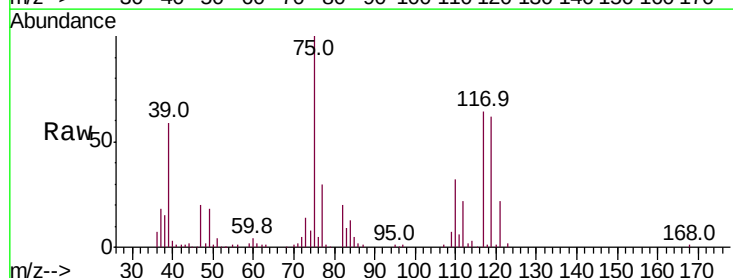
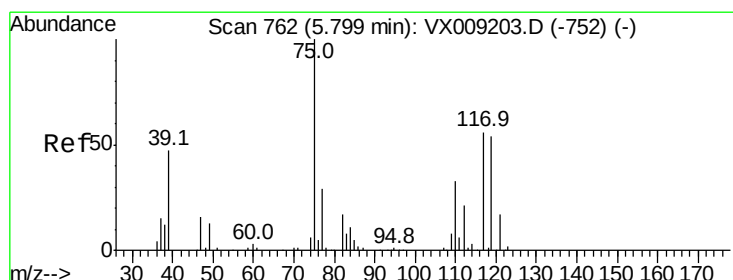
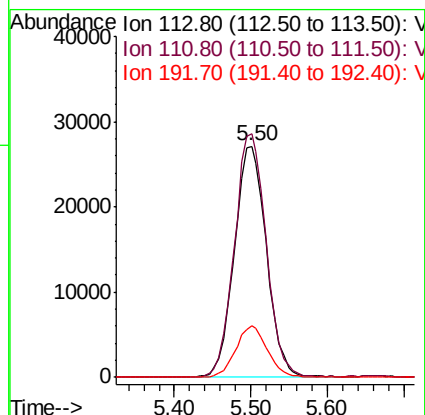
Acq: 16 May 2019 13:37

Tot Ion:	113	Resp:	79087
Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.8	124.2
192	21.7	17.0	25.6

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBSD01

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#36

1,1-Dichloropropene

Concen: 20.139 ug/l

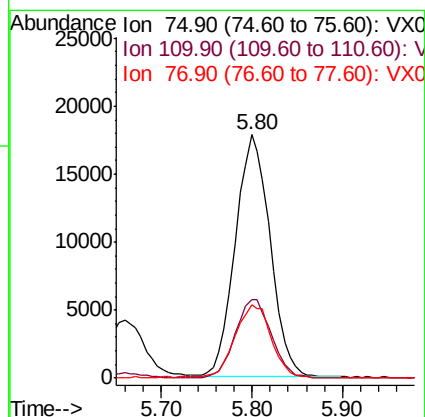
RT: 5.80 min Scan# 762

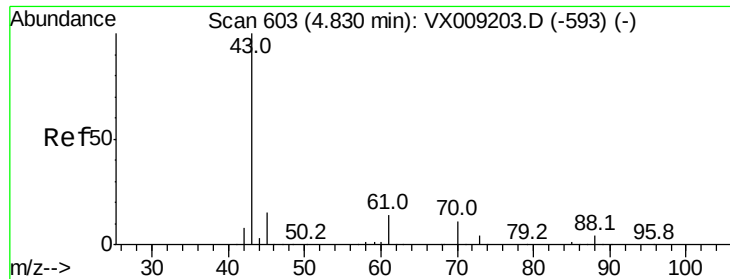
Delta R.T. 0.00 min

Lab File: VX009603.D

Acq: 16 May 2019 13:37

Tgt Ion:	75	Resp:	47567
Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.9	50.6
77	31.5	24.8	37.2





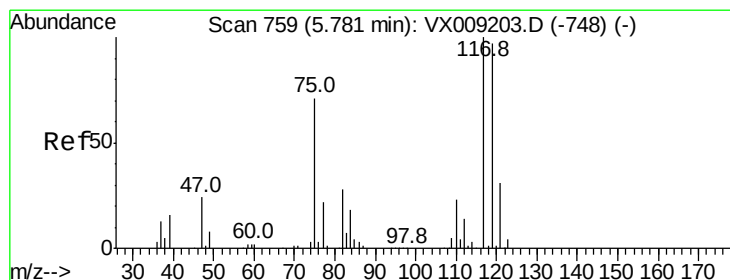
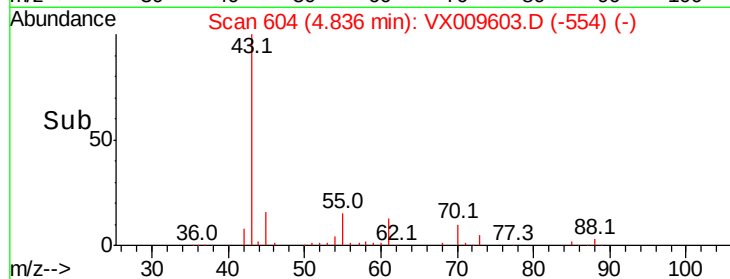
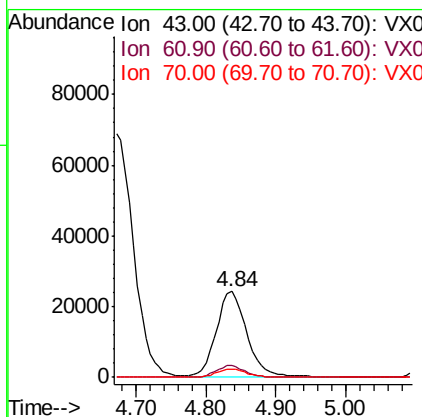
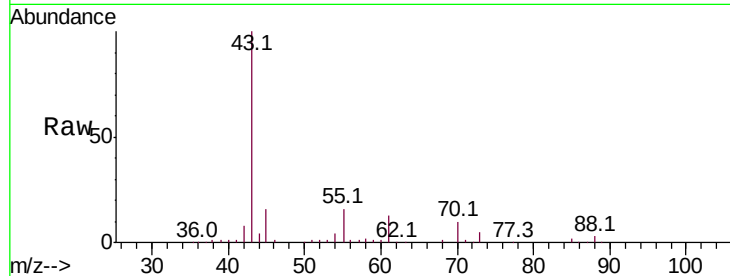
#37
Ethyl Acetate
Concen: 22.140 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009603.D
Acq: 16 May 2019 13:37

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.5	15.7
70	9.8	7.9	11.9

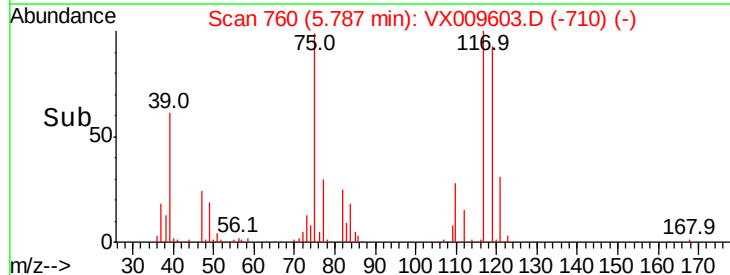
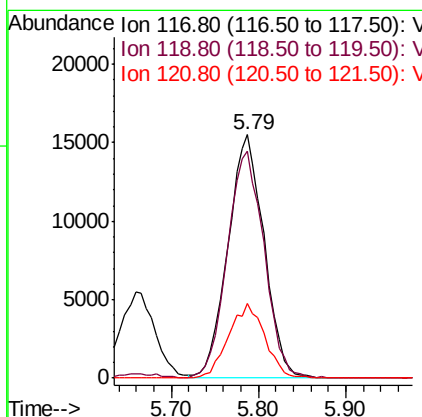
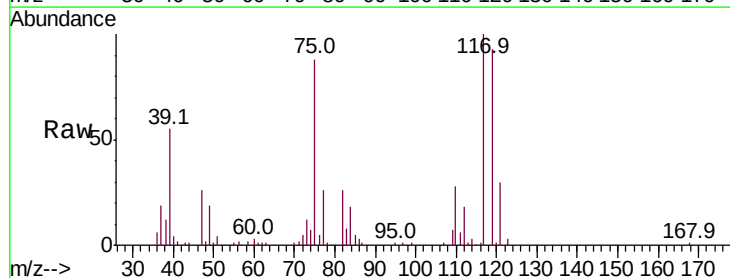
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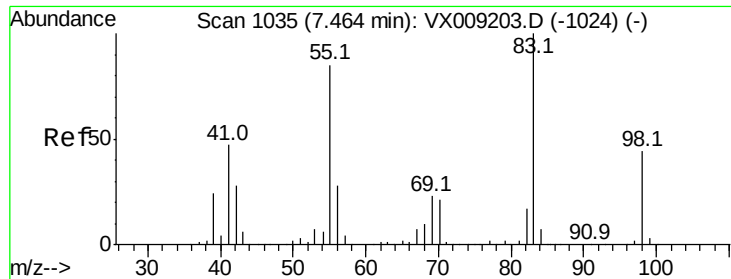
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#38
Carbon Tetrachloride
Concen: 20.694 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX009603.D
Acq: 16 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	77.5	116.3
121	30.5	24.7	37.1





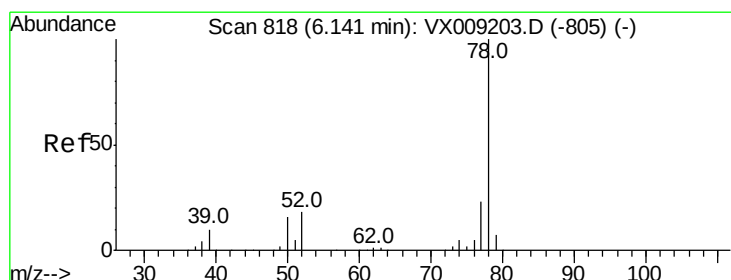
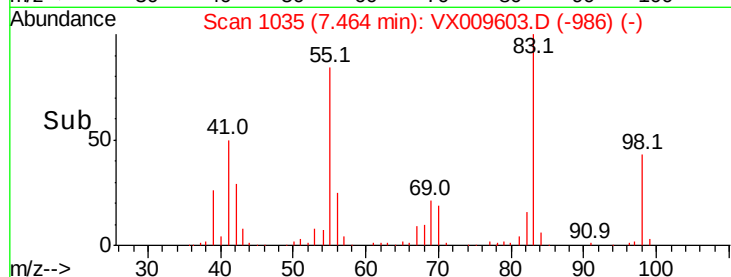
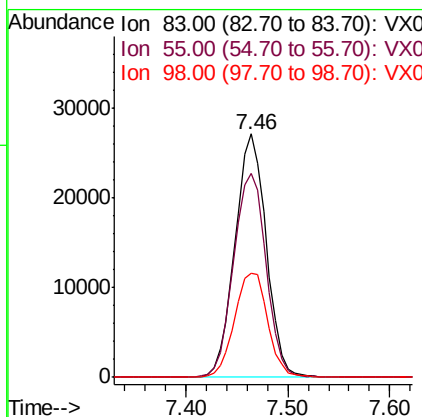
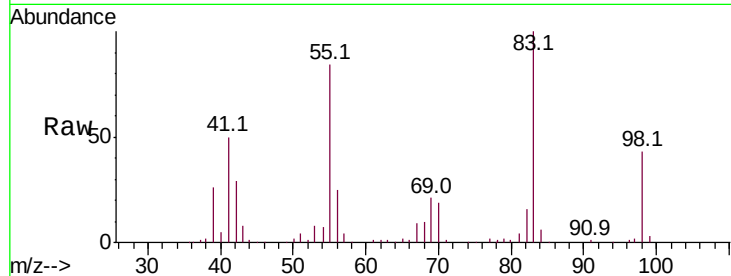
#39
Methylvlcyclohexane
Concen: 19.902 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009603.D
Acq: 16 May 2019 13:37

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.5	67.7	101.5
98	42.5	35.5	53.3

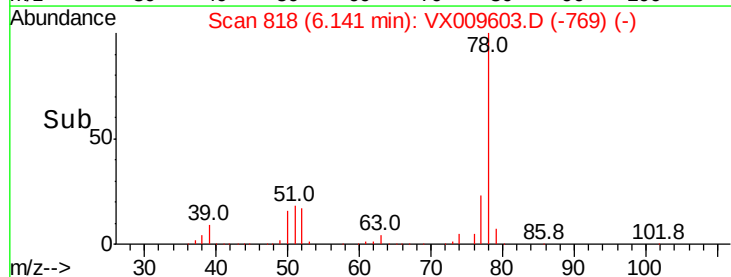
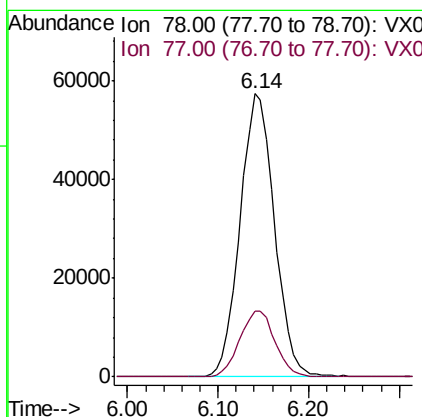
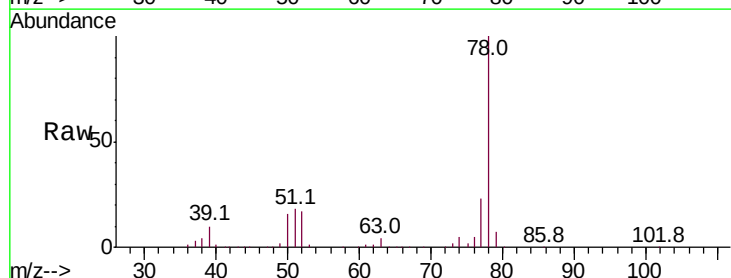
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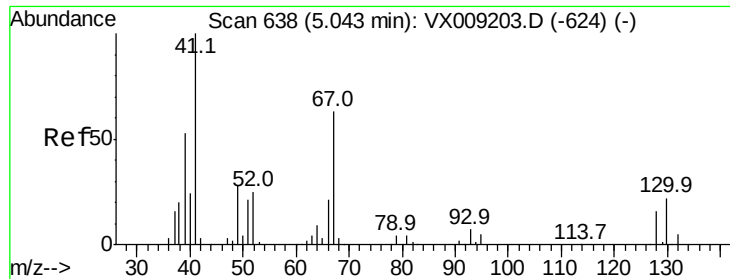
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#40
Benzene
Concen: 20.629 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009603.D
Acq: 16 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





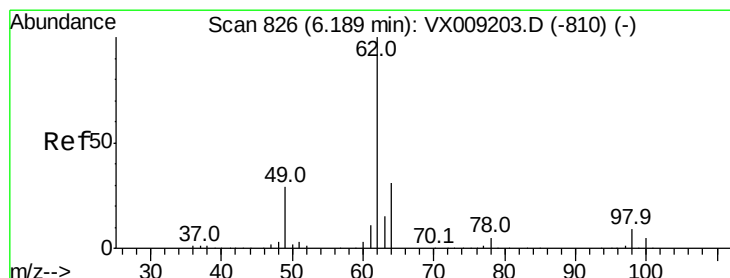
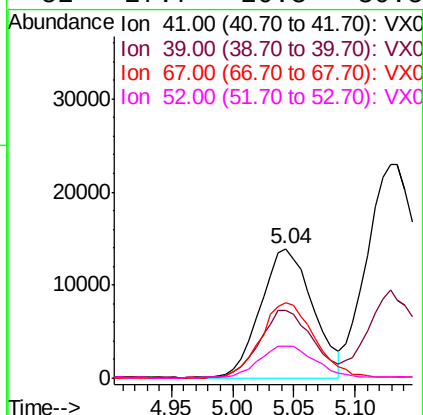
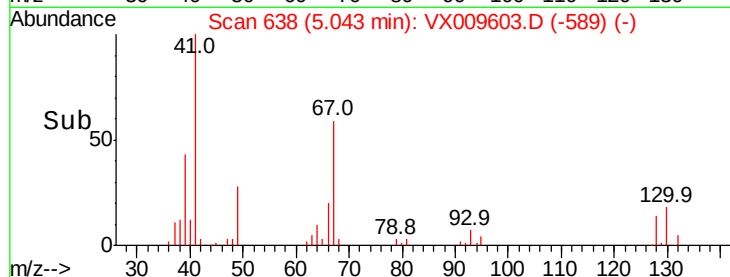
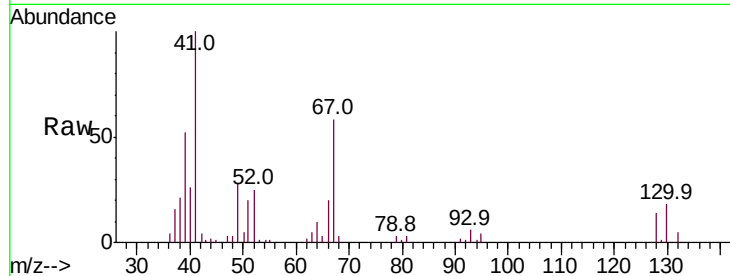
#41
Methacrylonitrile
Concen: 21.303 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX009603.D
Acq: 16 May 2019 13:37

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.3	42.0	63.0	
67	60.9	49.8	74.8	
52	27.7	20.3	30.5	

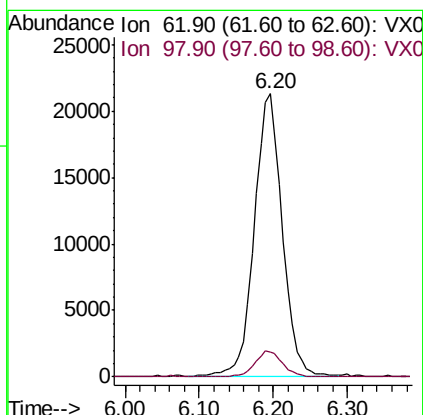
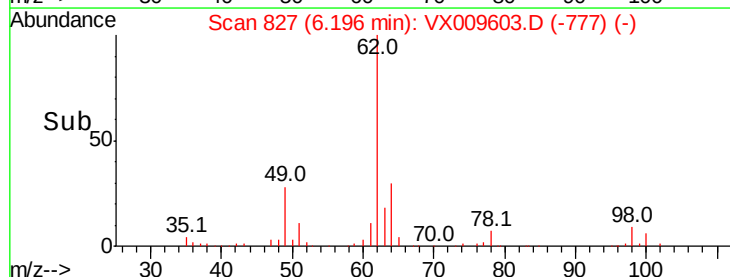
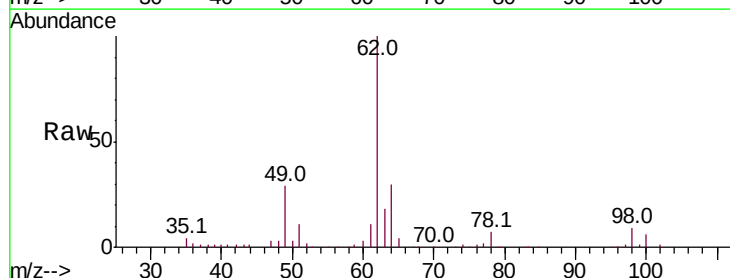
Manual Integrations
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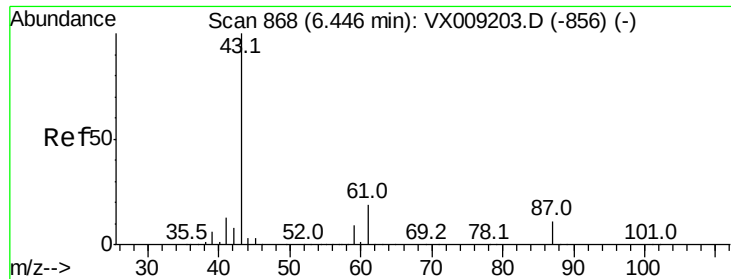
MMDadoda
5/17/2019 1:09:21 PM



#42
1,2-Dichloroethane
Concen: 21.497 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX009603.D
Acq: 16 May 2019 13:37

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	0.0	18.2	





#43

Isopropyl Acetate

Concen: 21.156 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX009603.D

Acq: 16 May 2019 13:37

Instrument :

MSVOA_X

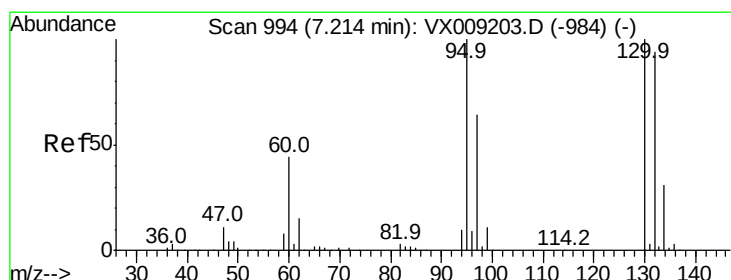
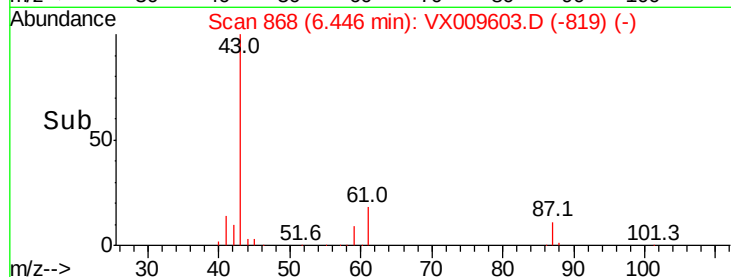
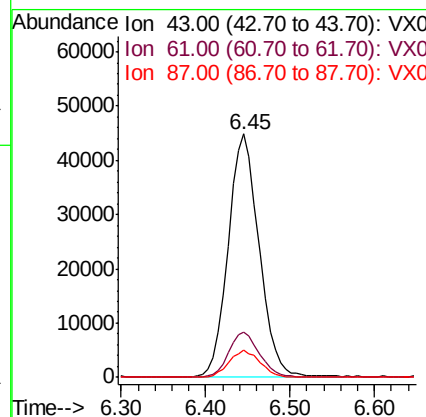
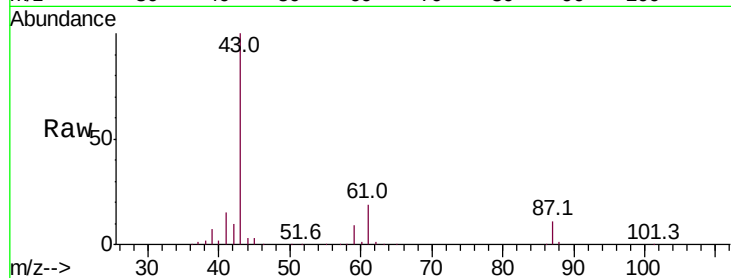
ClientSampleId :

VX0516WBSD01

Tot Ion:	43	Resp:	111362
Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.1	22.7
87	11.1	9.0	13.6

Manual Integrations
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#44

Trichloroethene

Concen: 20.243 ug/l

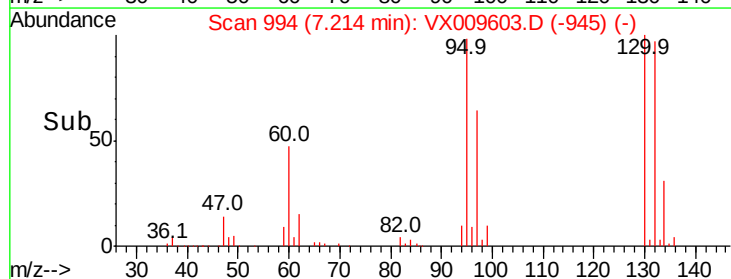
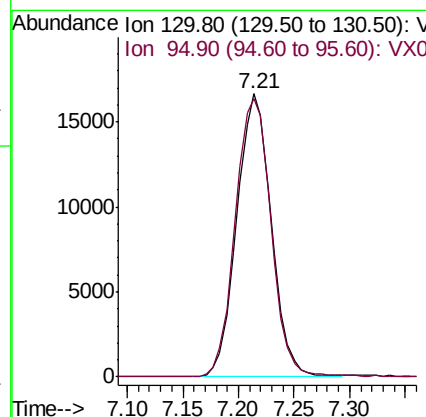
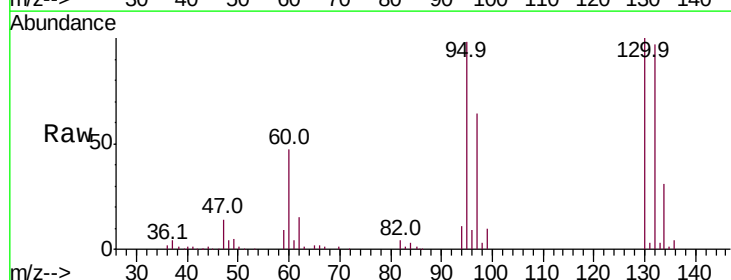
RT: 7.21 min Scan# 994

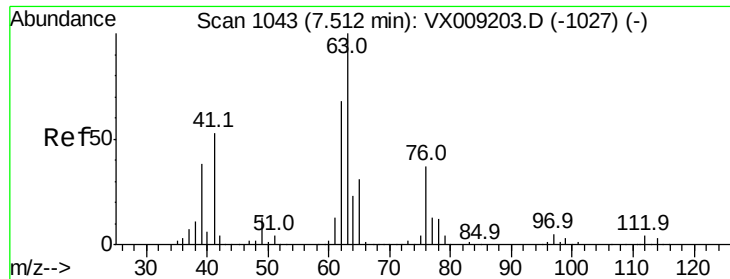
Delta R.T. 0.00 min

Lab File: VX009603.D

Acq: 16 May 2019 13:37

Tgt Ion:	130	Resp:	35771
Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	199.2





#45

1,2-Dichloropropane

Concen: 20.950 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009603.D

Acq: 16 May 2019 13:37

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBSD01

Tot Ion: 63 Resp: 43361

Ion Ratio Lower Upper

63 100

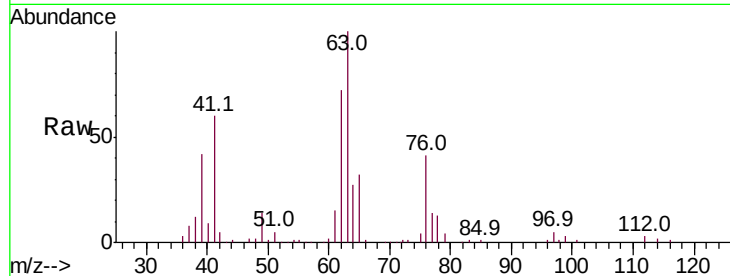
65 31.6 25.0 37.6

Manual Integrations

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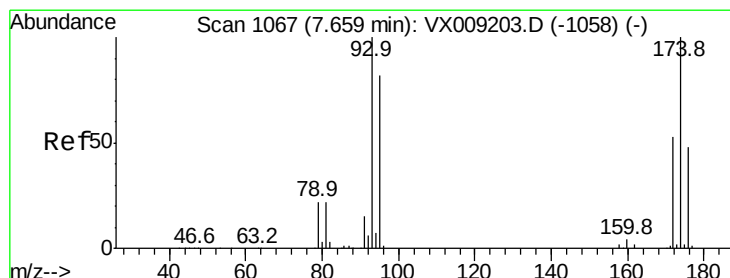
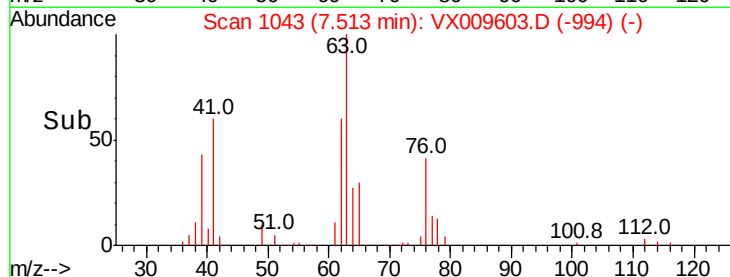
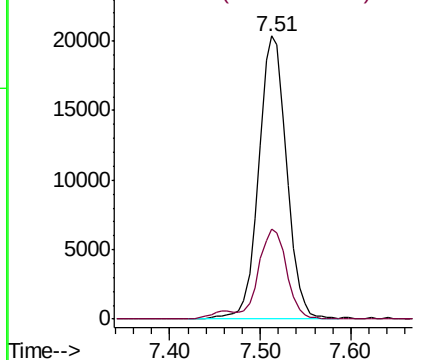
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 20.781 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009603.D

Acq: 16 May 2019 13:37

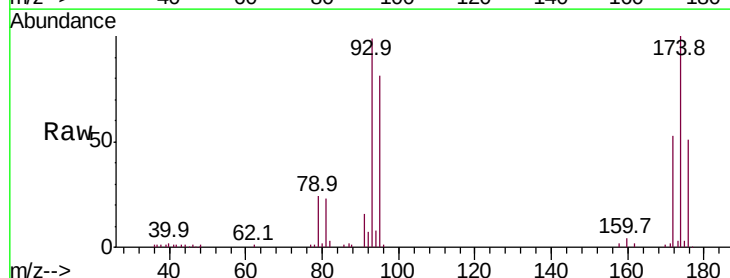
Tgt Ion: 93 Resp: 24978

Ion Ratio Lower Upper

93 100

95 82.4 66.5 99.7

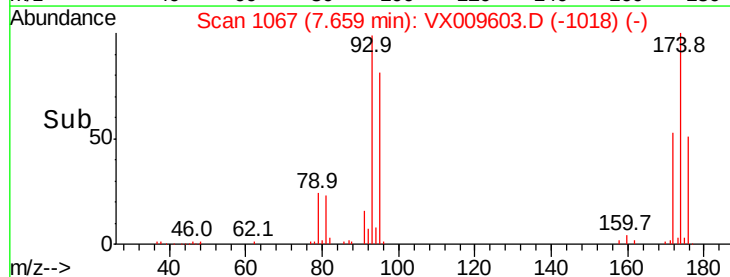
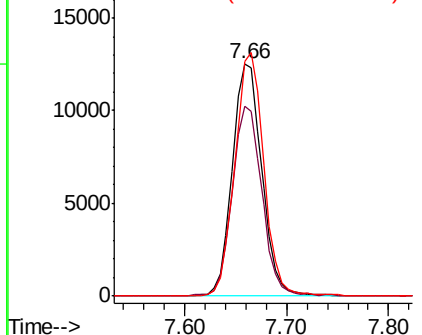
174 103.1 82.1 123.1

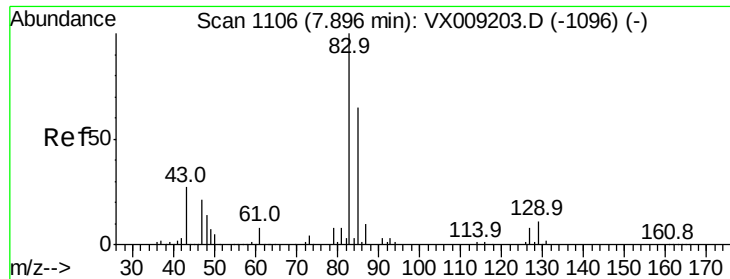


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.596 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009603.D

Acq: 16 May 2019 13:37

Instrument :

MSVOA_X

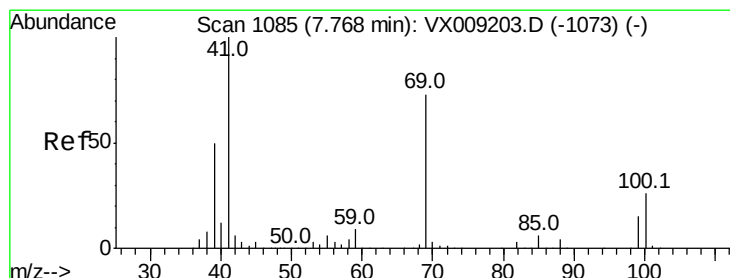
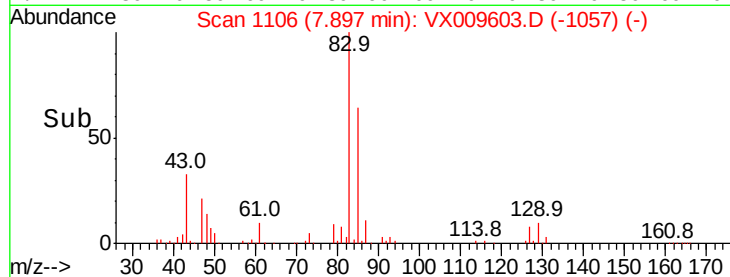
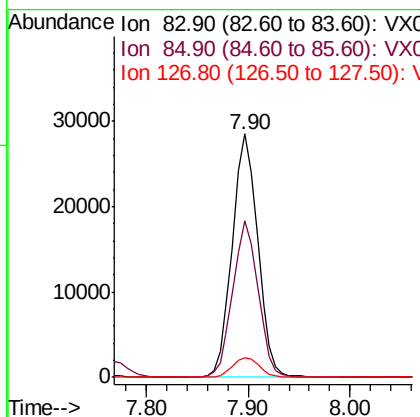
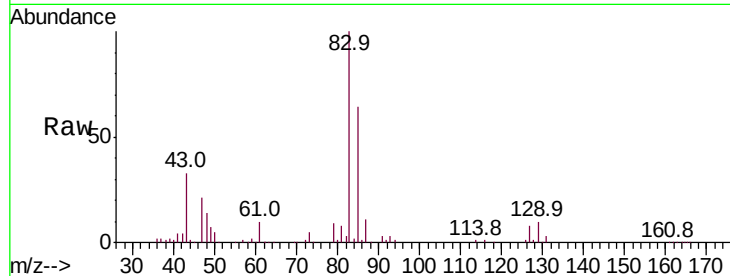
ClientSampleId :

VX0516WBSD01

Tot Ion:	83	Resp:	49380
Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.4	78.6
127	7.9	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.663 ug/l

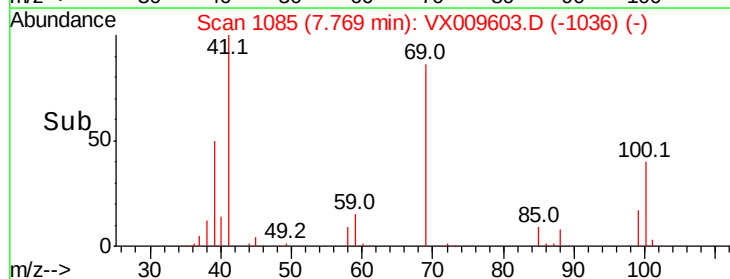
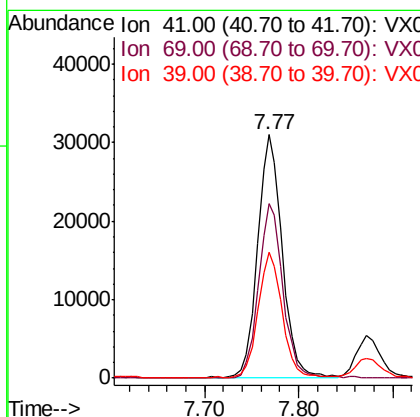
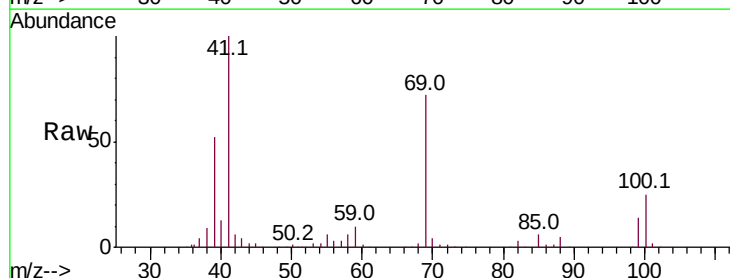
RT: 7.77 min Scan# 1085

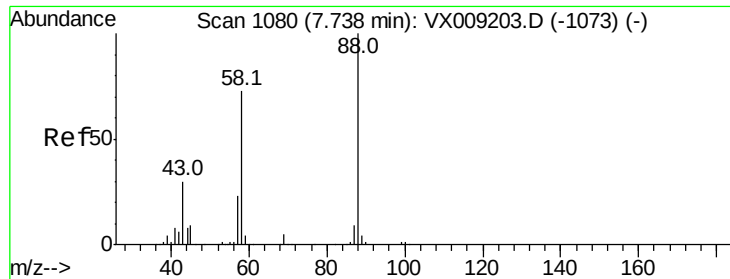
Delta R.T. 0.00 min

Lab File: VX009603.D

Acq: 16 May 2019 13:37

Tgt Ion:	41	Resp:	56574
Ion	Ratio	Lower	Upper
41	100		
69	71.5	59.1	88.7
39	50.2	40.4	60.6





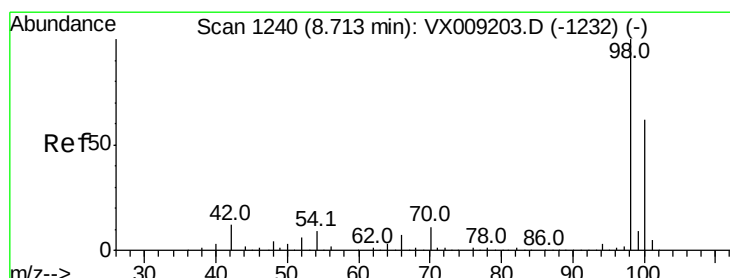
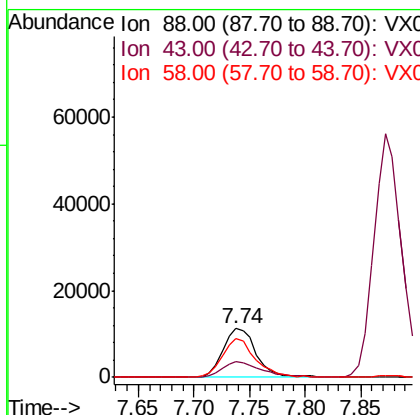
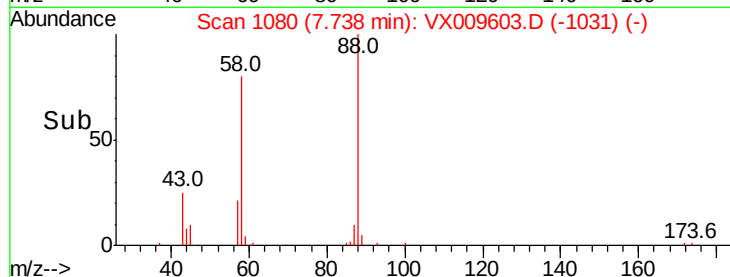
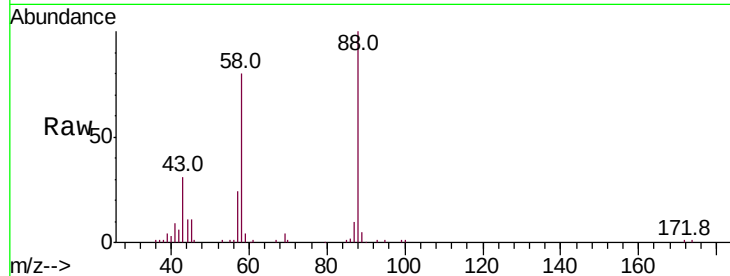
#49
1,4-Dioxane
Concen: 439.079 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009603.D
Acq: 16 May 2019 13:37

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.3	28.6	42.8
58	79.9	61.7	92.5

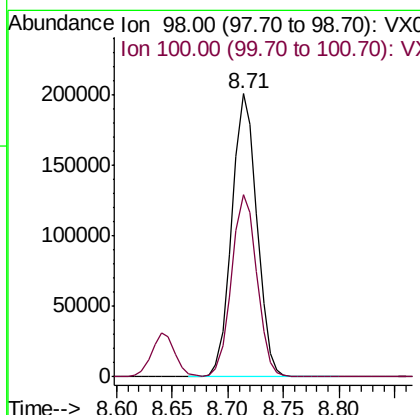
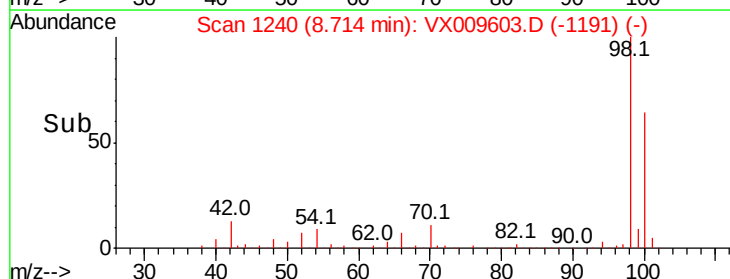
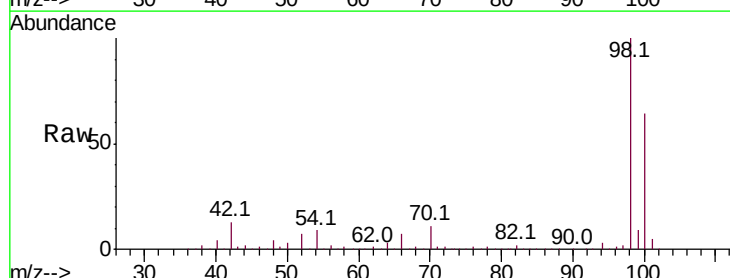
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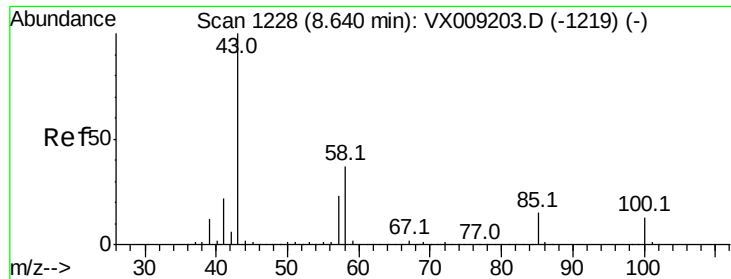
MMDadoda
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#50
Toluene-d8
Concen: 48.578 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009603.D
Acq: 16 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 111.524 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009603.D

Acq: 16 May 2019 13:37

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBSD01

Tot Ion: 43 Resp: 383703

Ion Ratio Lower Upper

43 100

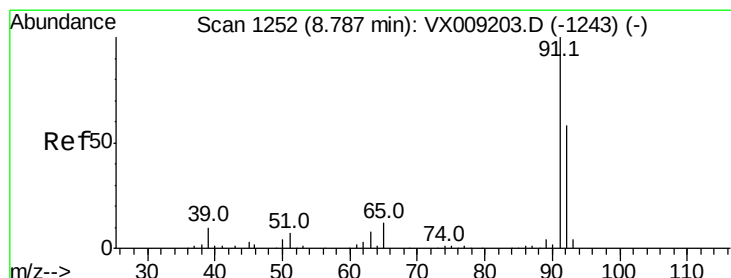
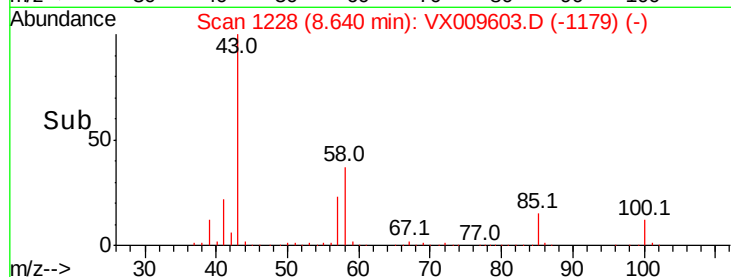
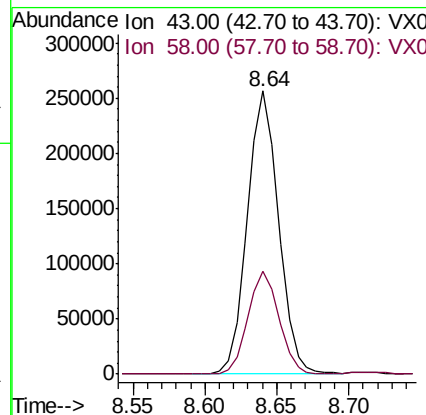
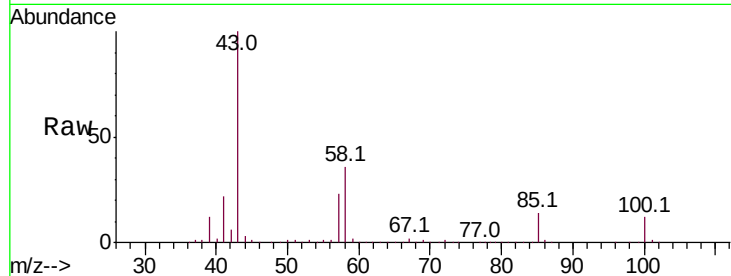
58 36.0 29.5 44.3

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#52

Toluene

Concen: 20.784 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009603.D

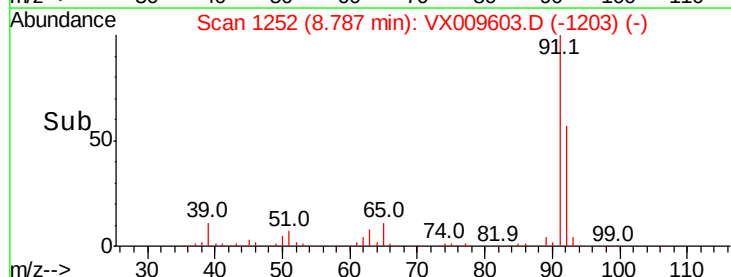
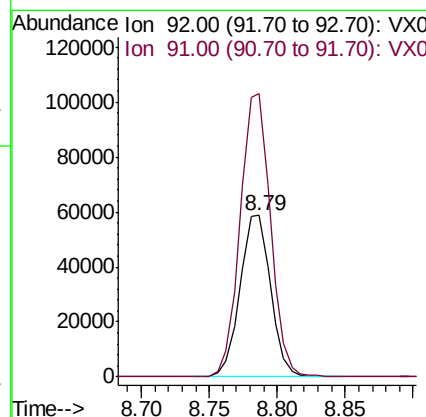
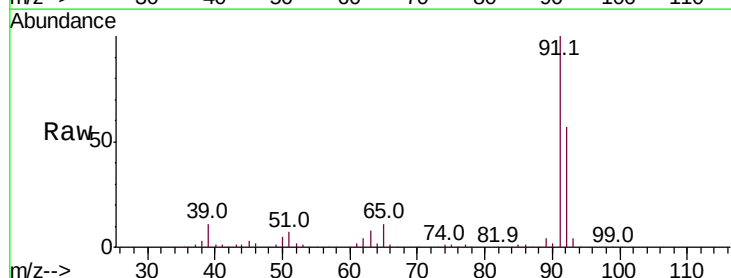
Acq: 16 May 2019 13:37

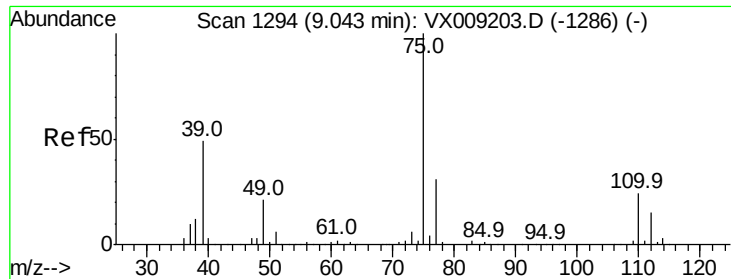
Tgt Ion: 92 Resp: 92348

Ion Ratio Lower Upper

92 100

91 174.4 138.8 208.2





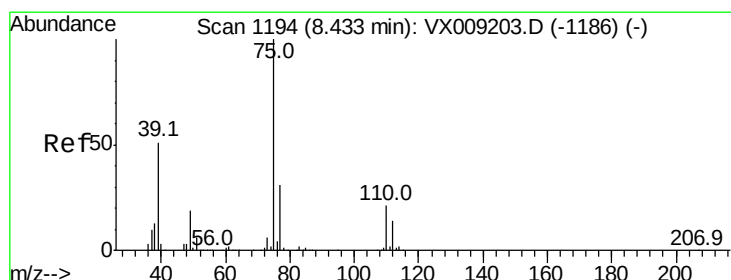
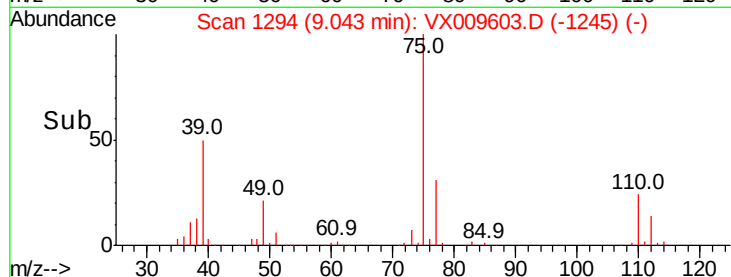
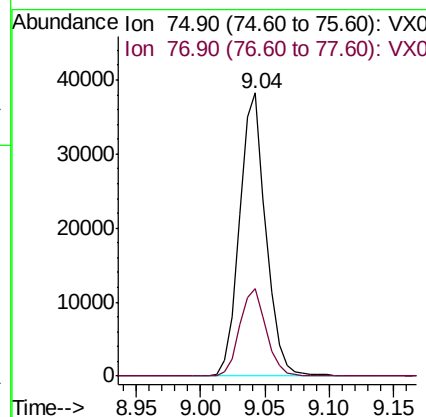
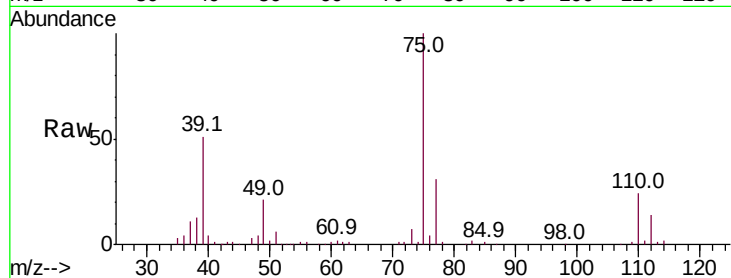
#53
t-1,3-Dichloropropene
Concen: 20.007 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009603.D
Acq: 16 May 2019 13:37

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBSD01

Tot Ion: 75 Resp: 54156
Ion Ratio Lower Upper
75 100
77 30.9 25.0 37.6

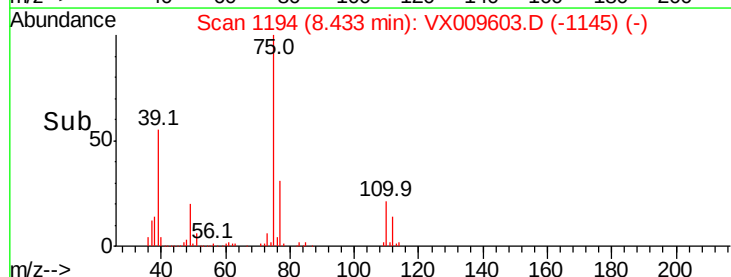
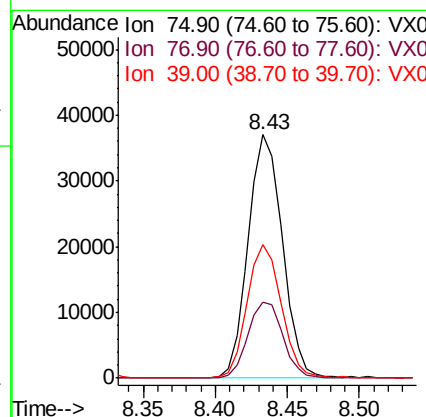
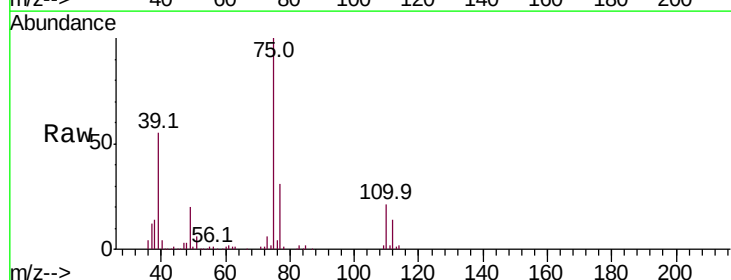
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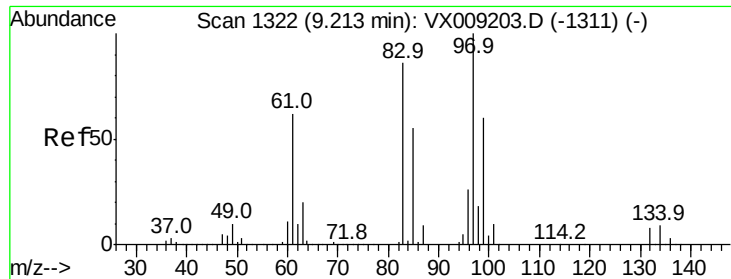
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#54
cis-1,3-Dichloropropene
Concen: 20.369 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009603.D
Acq: 16 May 2019 13:37

Tgt Ion: 75 Resp: 61026
Ion Ratio Lower Upper
75 100
77 31.0 24.6 36.8
39 54.4 40.6 60.8





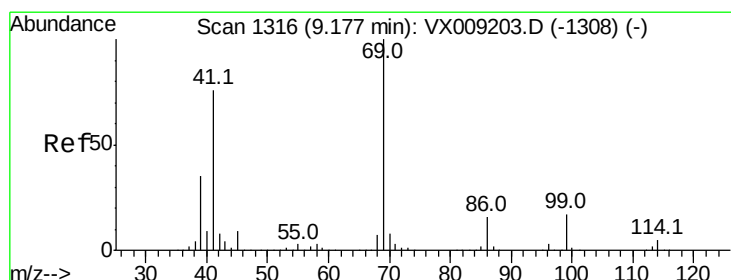
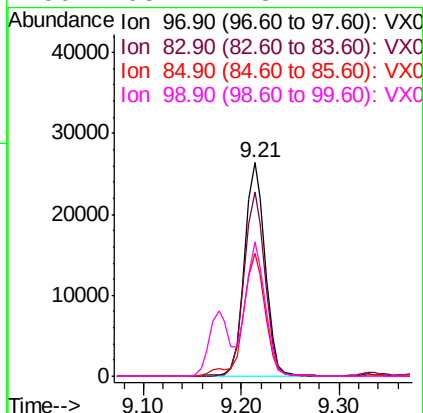
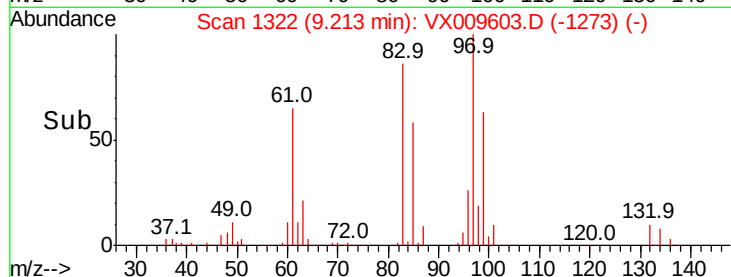
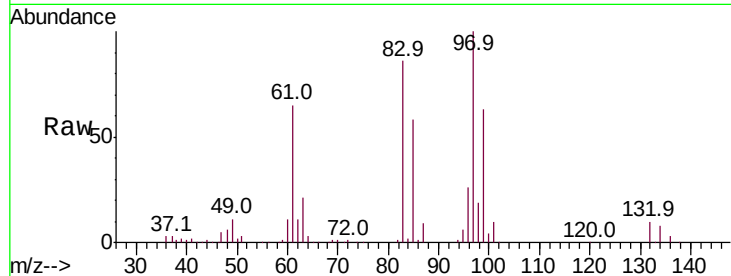
#55
 1,1,2-Trichloroethane
 Concen: 21.387 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009603.D
 Acq: 16 May 2019 13:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.1	68.9	103.3
85	57.6	43.8	65.6
99	63.2	48.2	72.2

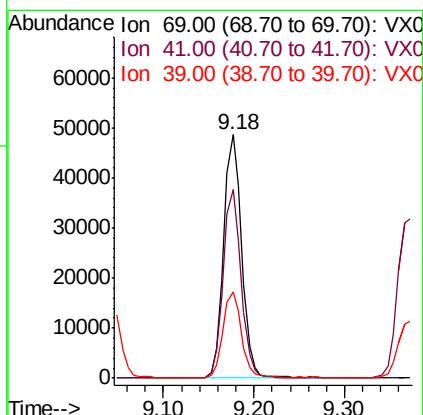
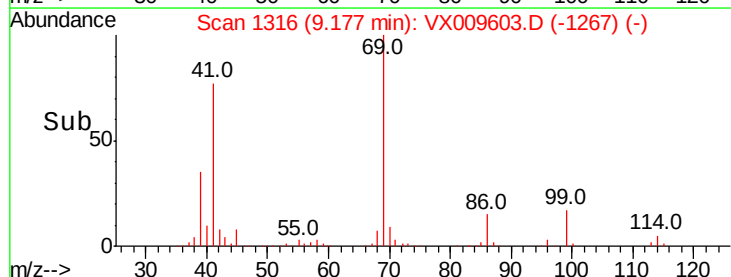
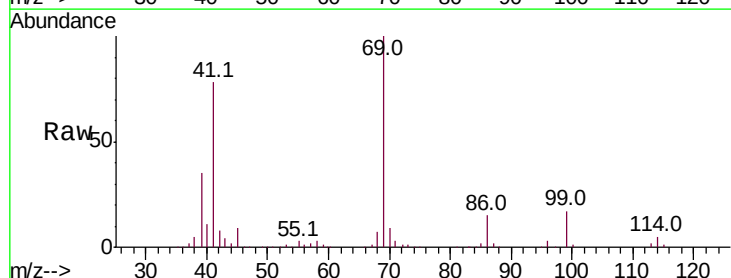
Manual Integrations
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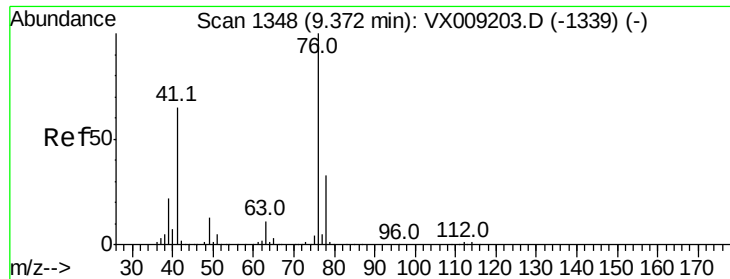
MMDadoda
 5/17/2019 1:09:21 PM



#56
 Ethyl methacrylate
 Concen: 20.904 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009603.D
 Acq: 16 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
69	100		
41	76.5	60.6	90.8
39	35.8	28.2	42.4





#57

1,3-Dichloropropane

Concen: 20.960 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX009603.D

Acq: 16 May 2019 13:37

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBSD01

Tot Ion: 76 Resp: 66863

Ion Ratio Lower Upper

76 100

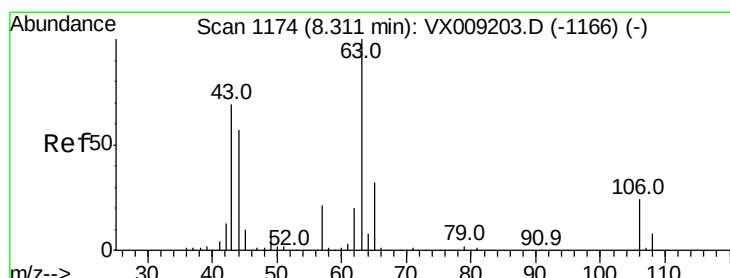
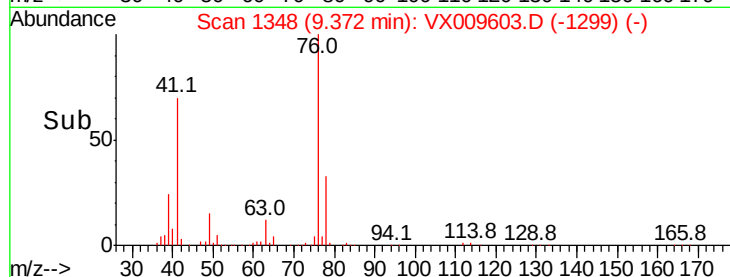
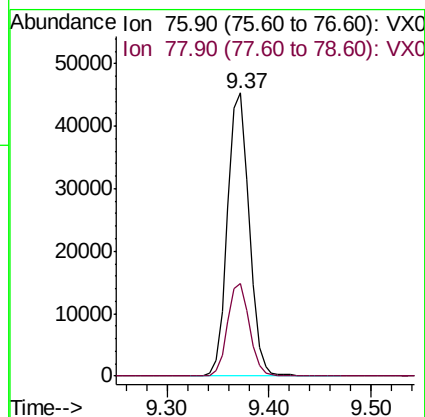
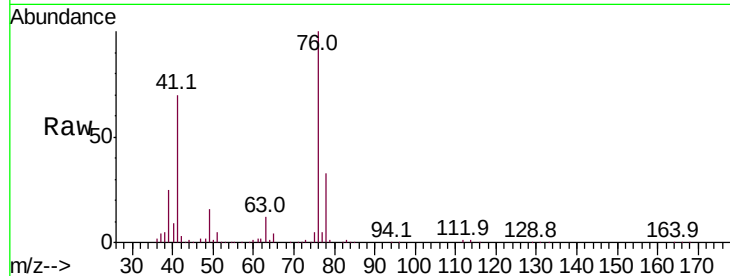
78 33.0 25.5 38.3

Manual Integrations

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5/17/2019 1:09:21 PM



#58

2-Chloroethyl Vinyl ether

Concen: 92.895 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX009603.D

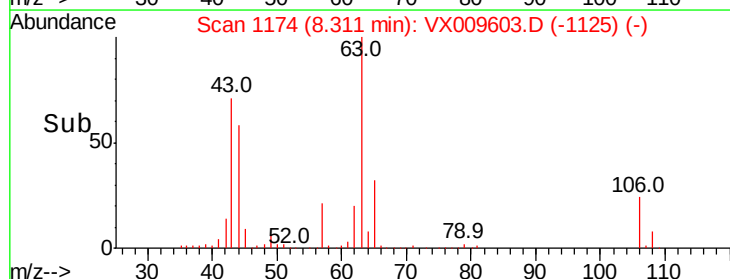
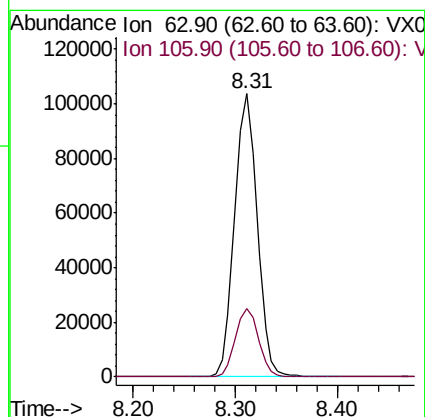
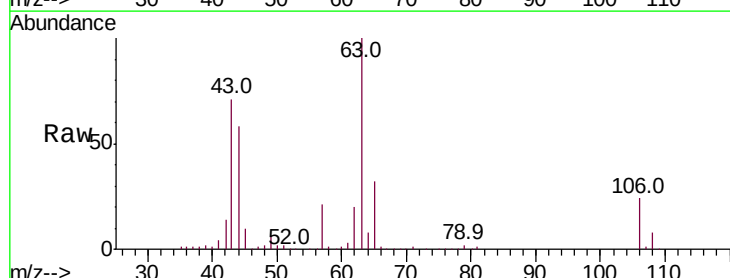
Acq: 16 May 2019 13:37

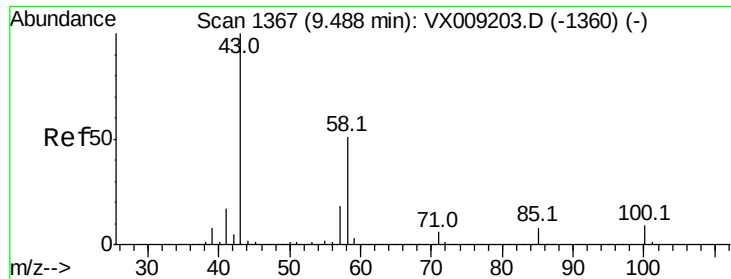
Tgt Ion: 63 Resp: 159465

Ion Ratio Lower Upper

63 100

106 24.6 19.7 29.5





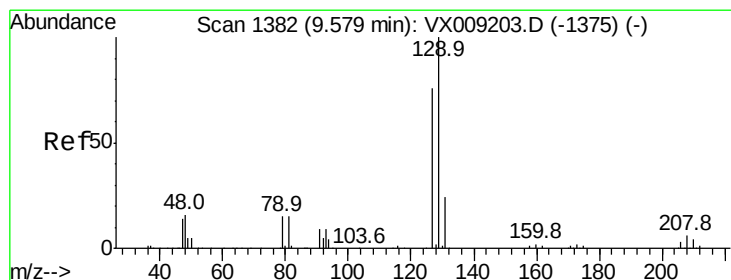
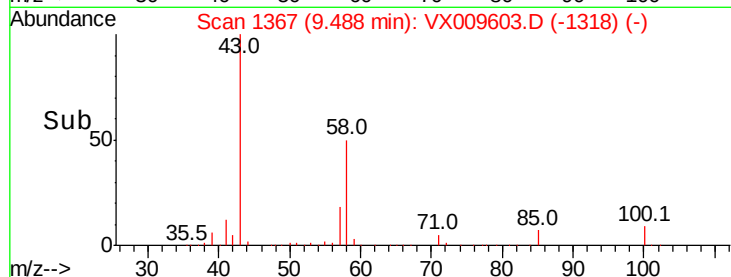
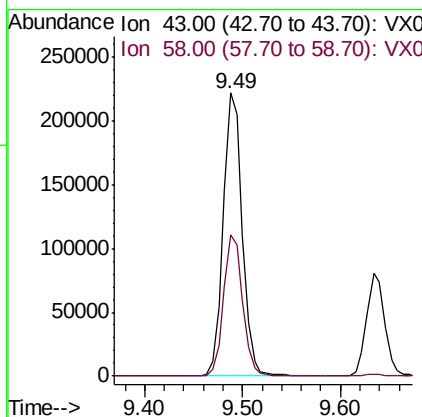
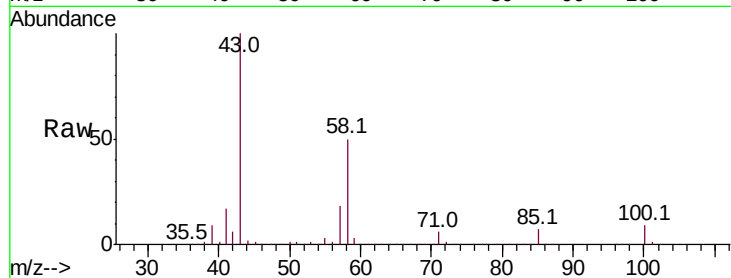
#59
2-Hexanone
Concen: 110.421 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009603.D
Acq: 16 May 2019 13:37

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBSD01

Tot Ion: 43 Resp: 298373
Ion Ratio Lower Upper
43 100
58 50.1 25.9 77.7

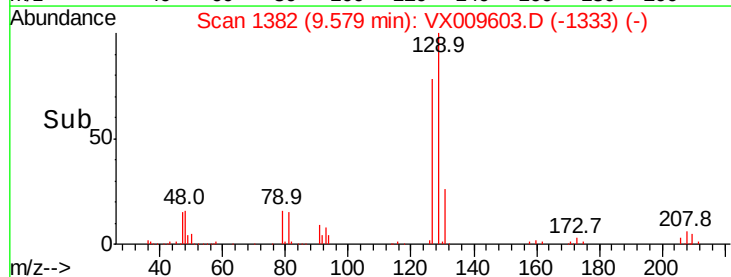
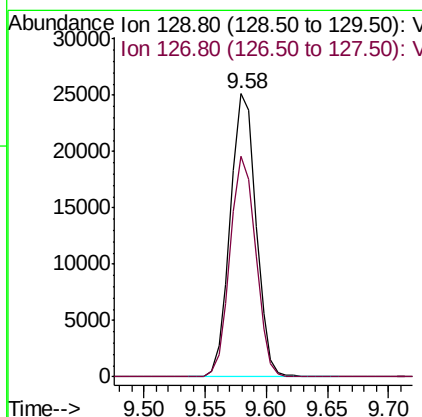
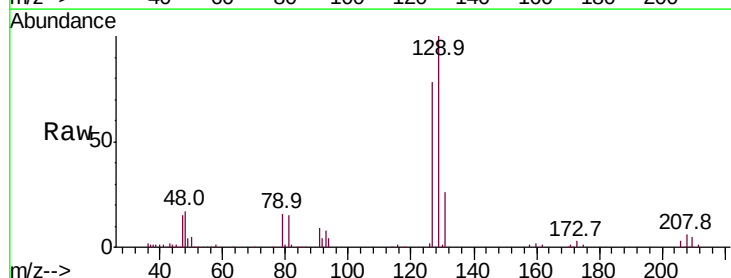
Manual Integrations
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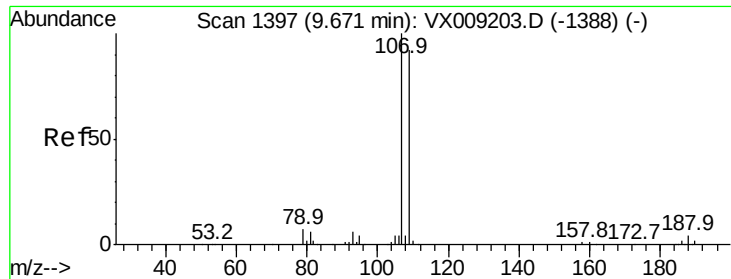
MMDadoda
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#60
Dibromochloromethane
Concen: 20.710 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009603.D
Acq: 16 May 2019 13:37

Tgt Ion:129 Resp: 36666
Ion Ratio Lower Upper
129 100
127 77.2 38.4 115.1





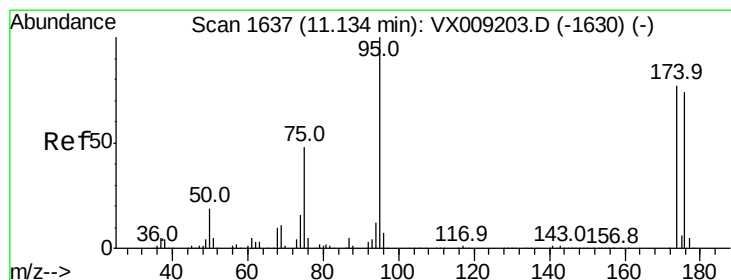
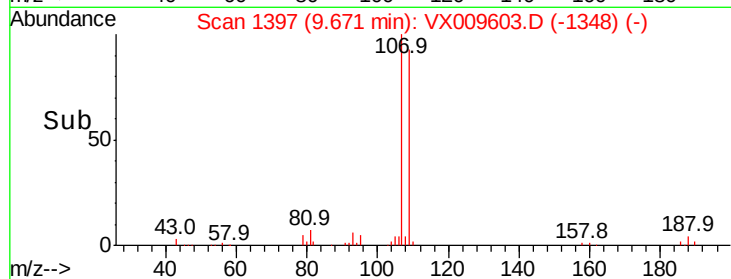
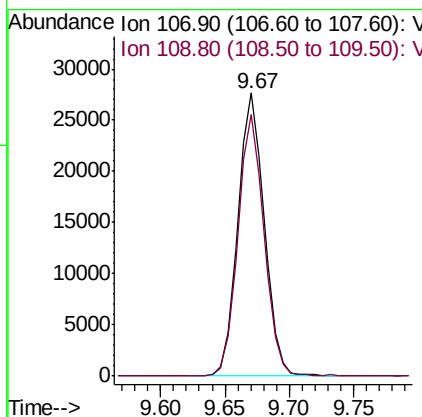
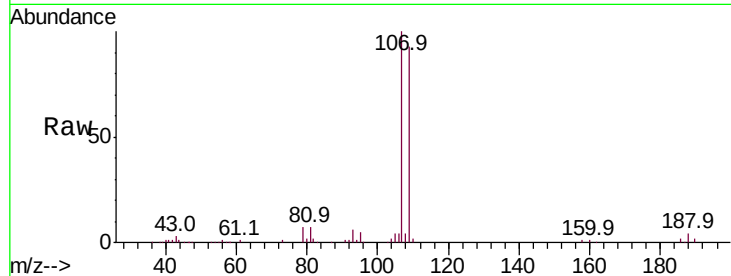
#61
 1,2-Dibromoethane
 Concen: 21.418 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX009603.D
 Acq: 16 May 2019 13:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBSD01

Tot Ion: 107 Resp: 39192
 Ion Ratio Lower Upper
 107 100
 109 92.0 75.2 112.8

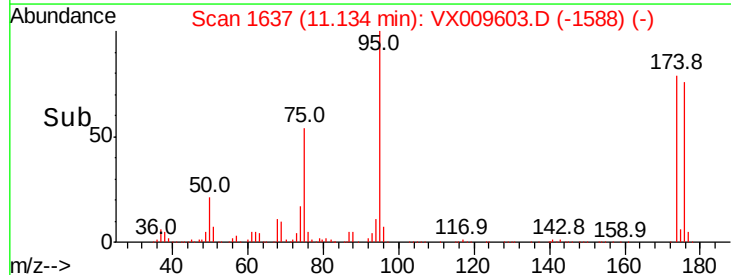
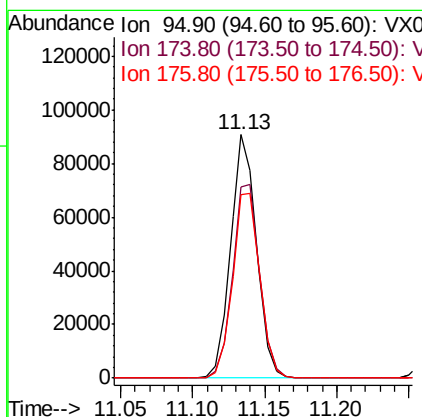
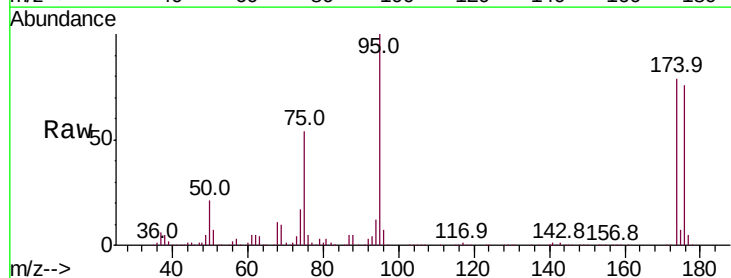
Manual Integrations
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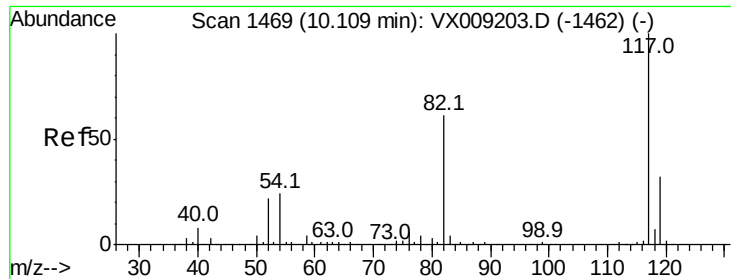
MMDadoda
 5/17/2019 1:09:21 PM



#62
 4-Bromofluorobenzene
 Concen: 48.822 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX009603.D
 Acq: 16 May 2019 13:37

Tgt Ion: 95 Resp: 114430
 Ion Ratio Lower Upper
 95 100
 174 82.8 0.0 161.6
 176 80.2 0.0 159.2





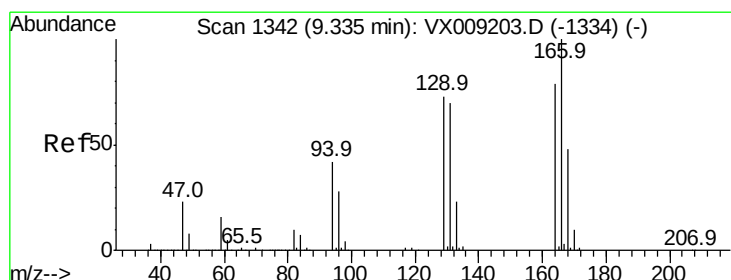
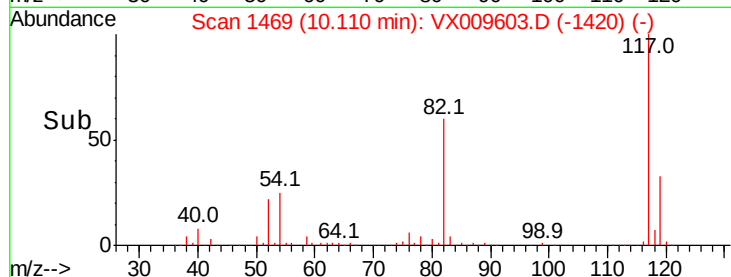
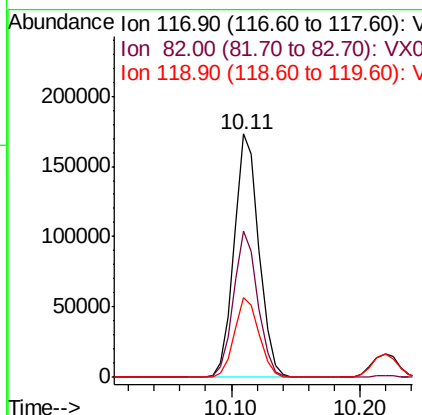
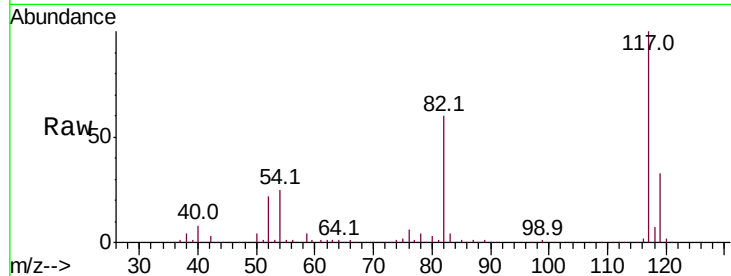
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009603.D
Acq: 16 May 2019 13:37

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.9	48.8	73.2
119	32.6	25.8	38.6

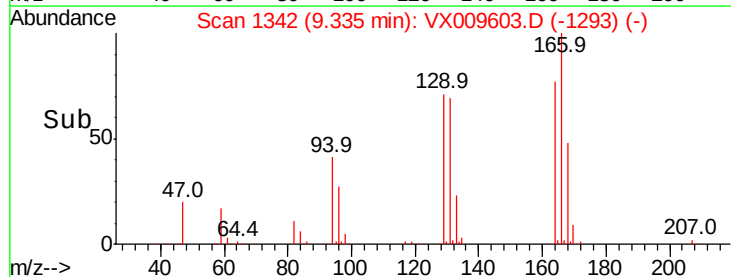
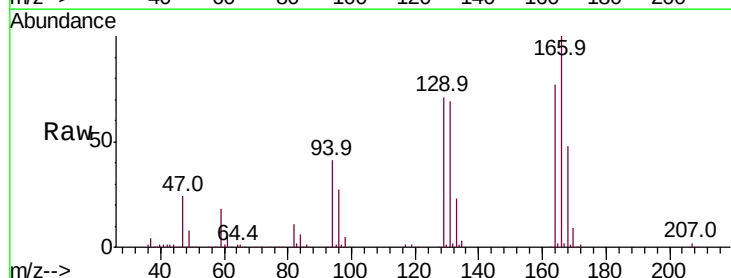
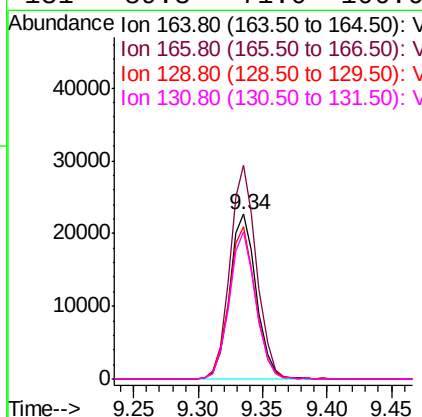
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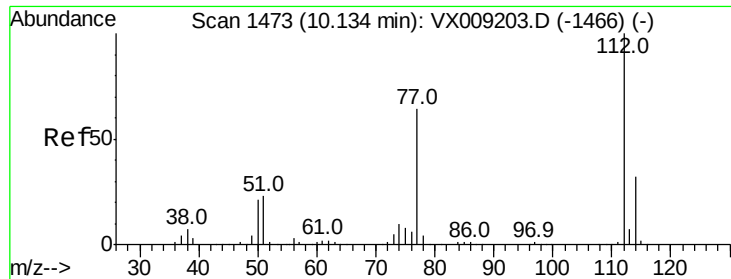
MMDadoda
5/17/2019 1:09:21 PM



#64
Tetrachloroethene
Concen: 20.589 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009603.D
Acq: 16 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.8	101.2	151.8
129	92.3	74.3	111.5
131	89.3	71.0	106.6





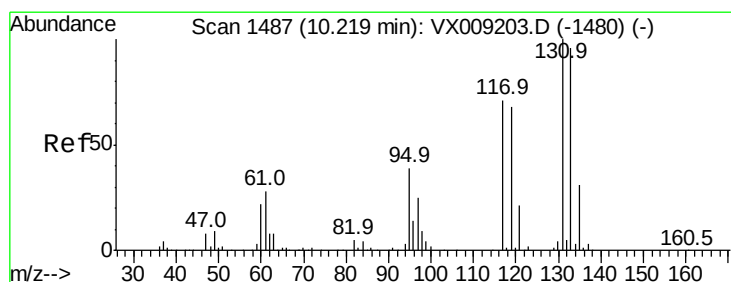
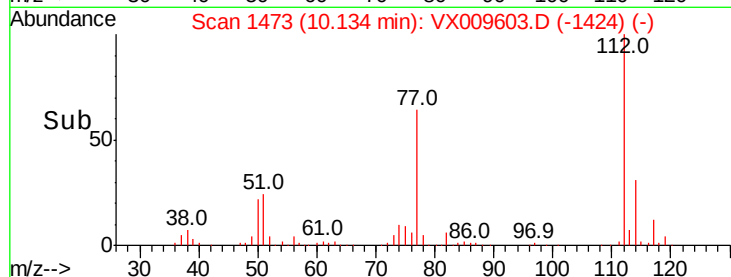
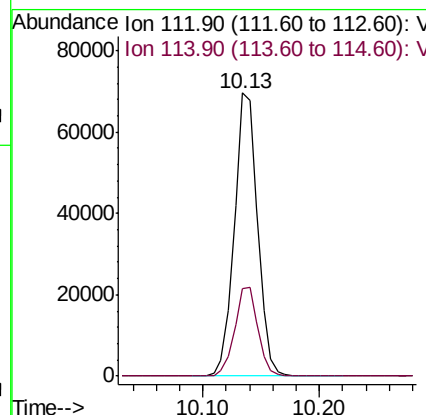
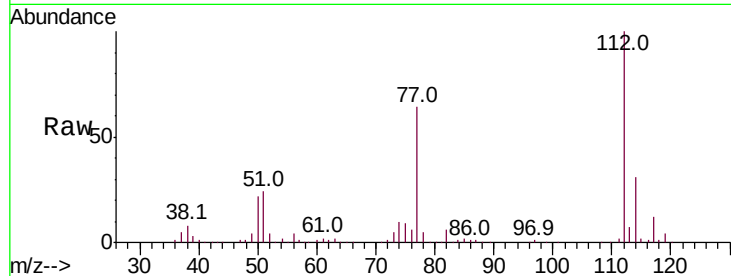
#65
Chlorobenzene
Concen: 20.841 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX009603.D
Acq: 16 May 2019 13:37

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBSD01

Tot Ion:112 Resp: 96716
Ion Ratio Lower Upper
112 100
114 30.8 25.5 38.3

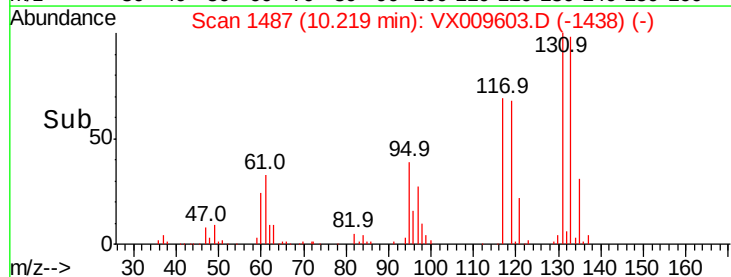
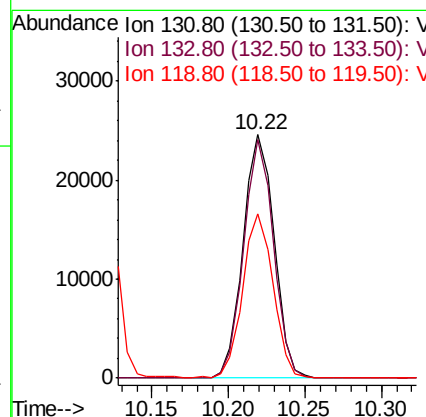
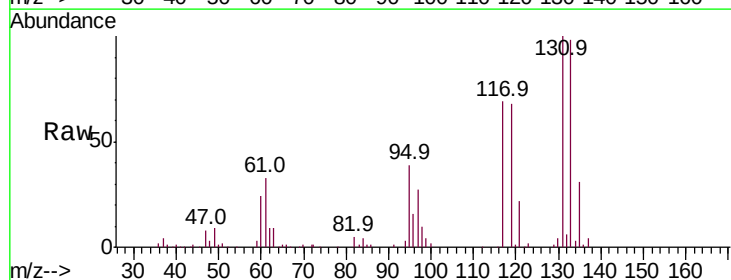
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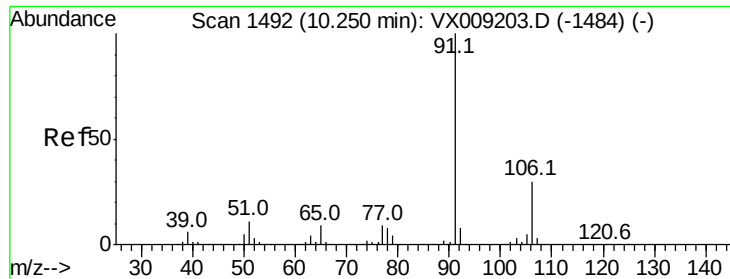
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.633 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009603.D
Acq: 16 May 2019 13:37

Tgt Ion:131 Resp: 34714
Ion Ratio Lower Upper
131 100
133 94.1 47.7 143.1
119 66.4 33.5 100.4





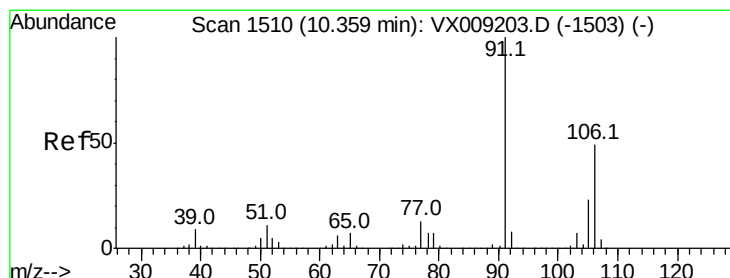
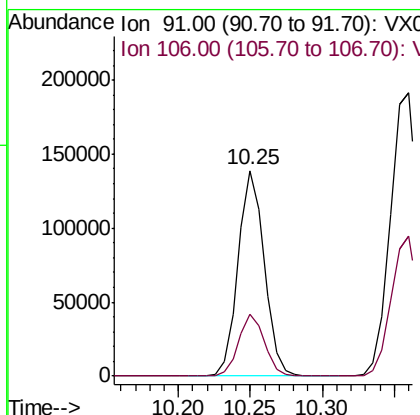
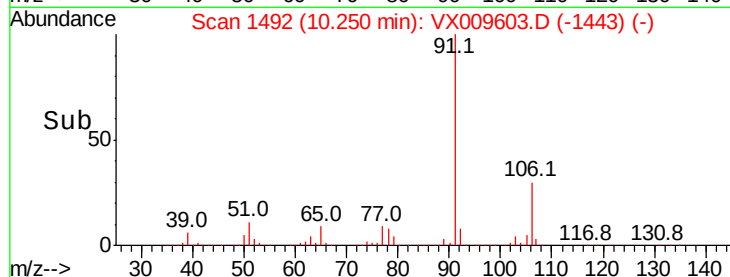
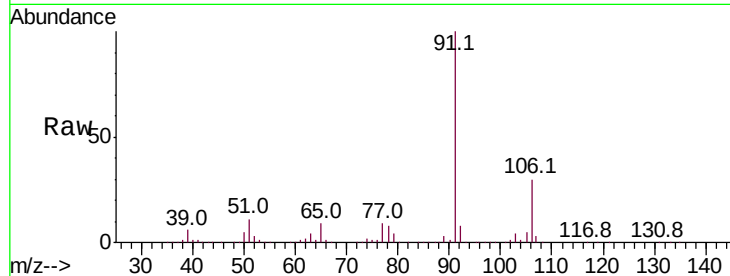
#67
Ethyl Benzene
Concen: 20.702 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX009603.D
Acq: 16 May 2019 13:37

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBSD01

Tot Ion: 91 Resp: 176811
Ion Ratio Lower Upper
91 100
106 30.2 24.0 36.0

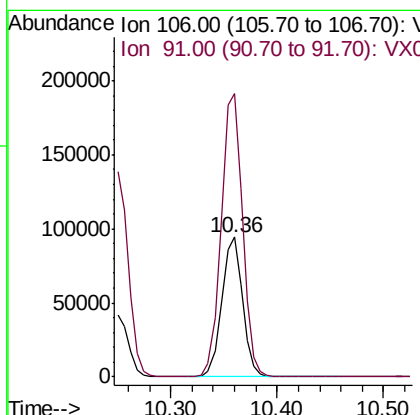
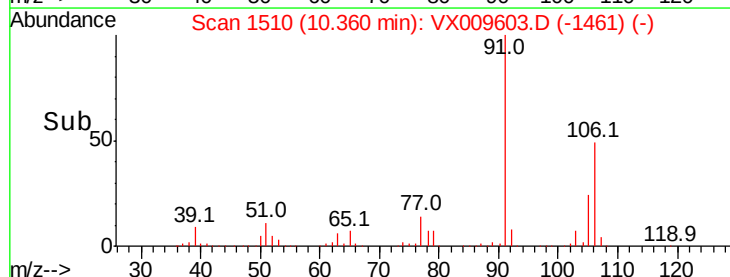
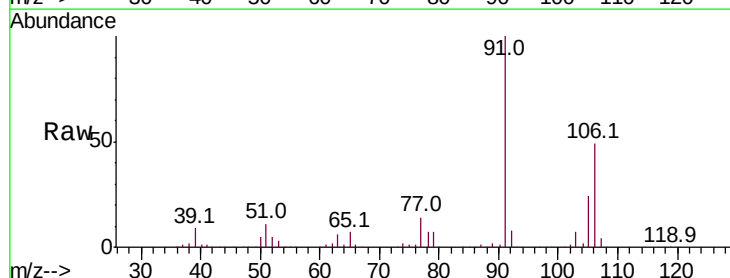
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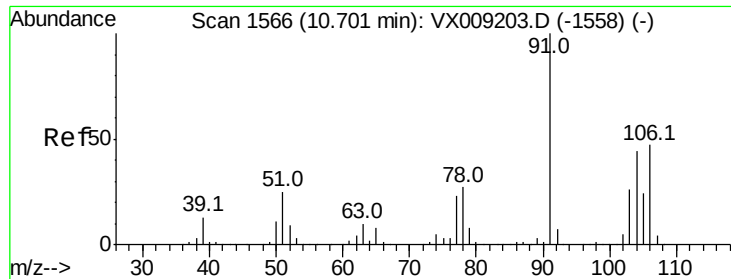
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#68
m/p-Xylenes
Concen: 41.296 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX009603.D
Acq: 16 May 2019 13:37

Tgt Ion: 106 Resp: 128888
Ion Ratio Lower Upper
106 100
91 207.8 164.0 246.0





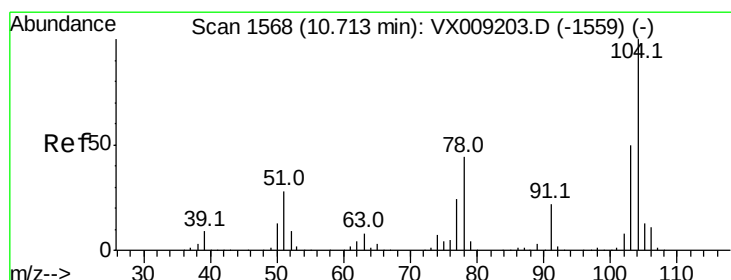
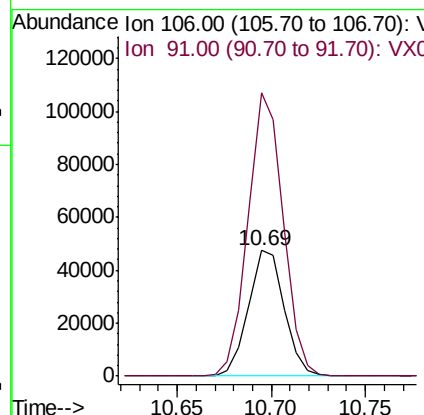
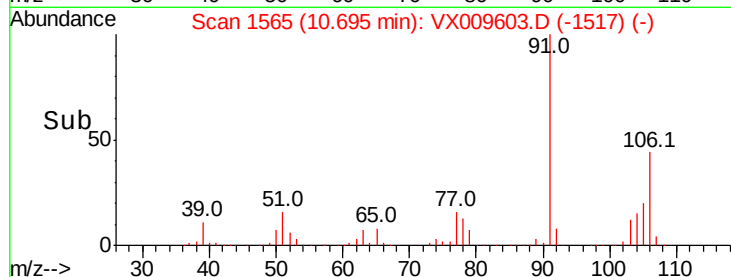
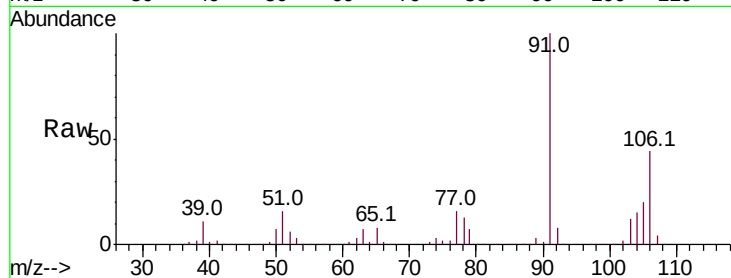
#69
o-Xylene
Concen: 20.408 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009603.D
Acq: 16 May 2019 13:37

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBSD01

Tot Ion:106 Resp: 62843
Ion Ratio Lower Upper
106 100
91 220.9 109.5 328.4

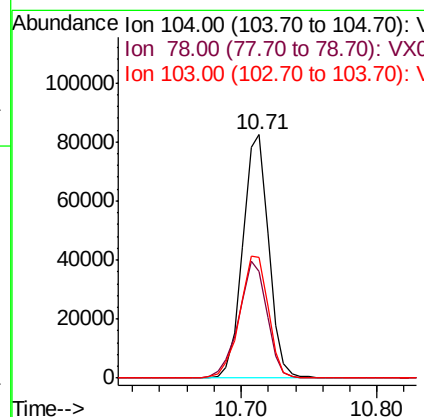
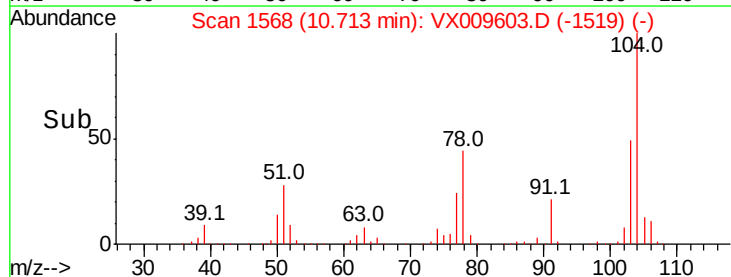
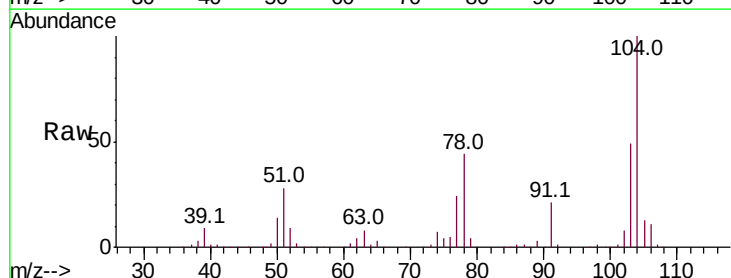
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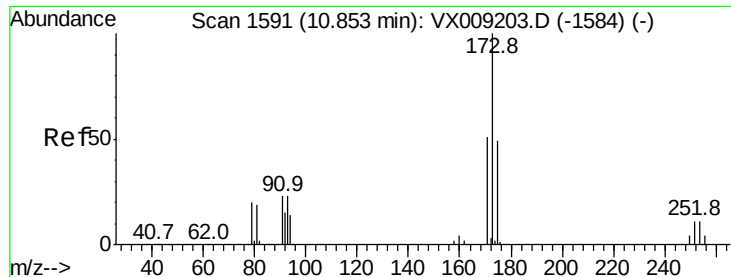
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#70
Styrene
Concen: 20.545 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009603.D
Acq: 16 May 2019 13:37

Tgt Ion:104 Resp: 109964
Ion Ratio Lower Upper
104 100
78 52.1 41.0 61.4
103 55.0 43.8 65.6





#71

Bromoform

Concen: 20.054 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009603.D

Acq: 16 May 2019 13:37

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBSD01

Tot Ion:173 Resp: 27419

Ion Ratio Lower Upper

173 100

175 49.0 24.5 73.5

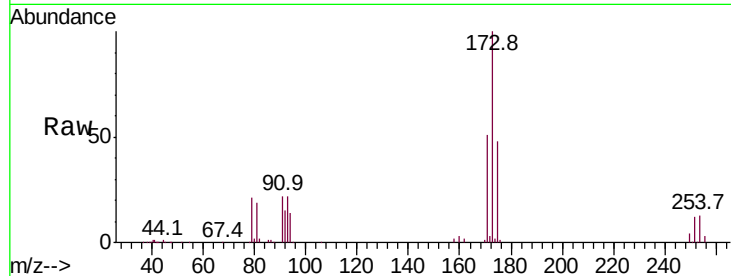
254 0.0 0.1 0.1#

Manual Integrations

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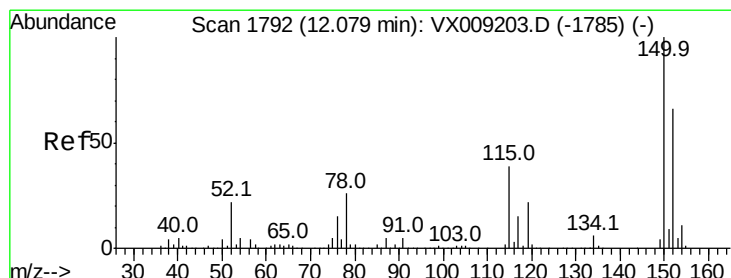
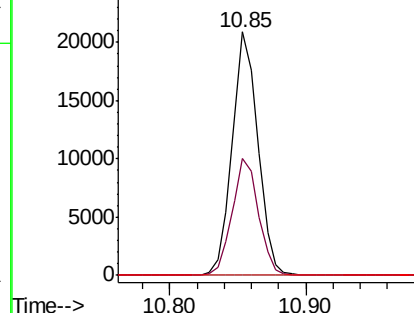
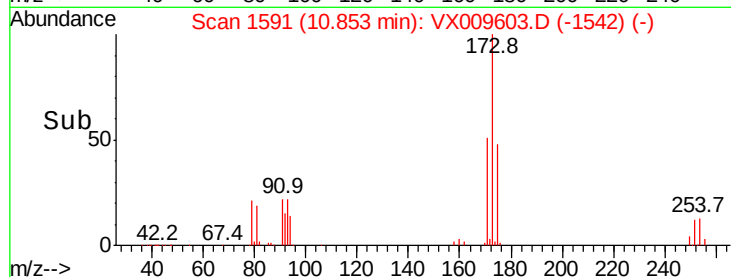
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009603.D

Acq: 16 May 2019 13:37

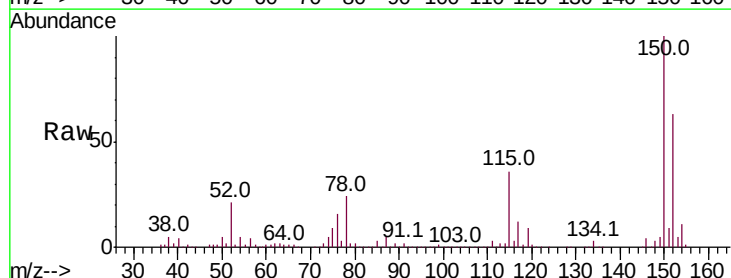
Tgt Ion:152 Resp: 112639

Ion Ratio Lower Upper

152 100

115 67.9 41.2 123.6

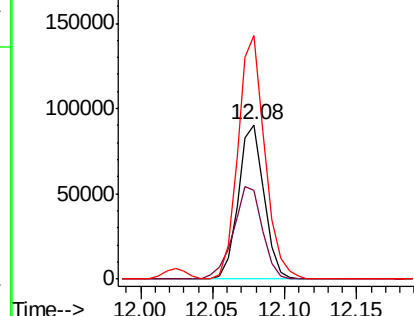
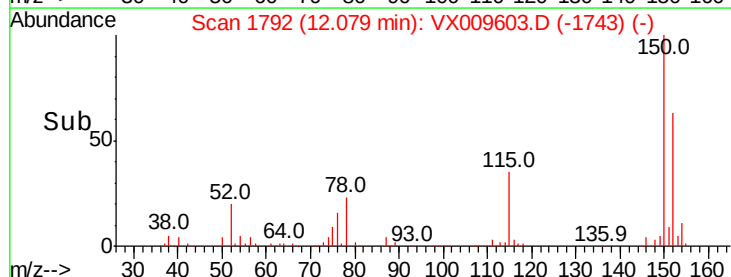
150 165.0 0.0 346.4

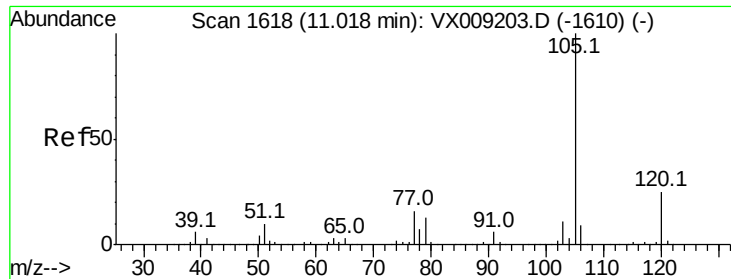


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





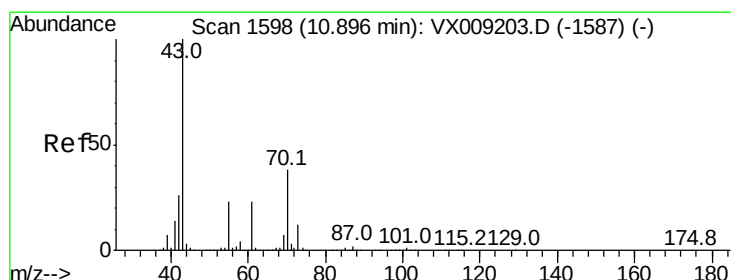
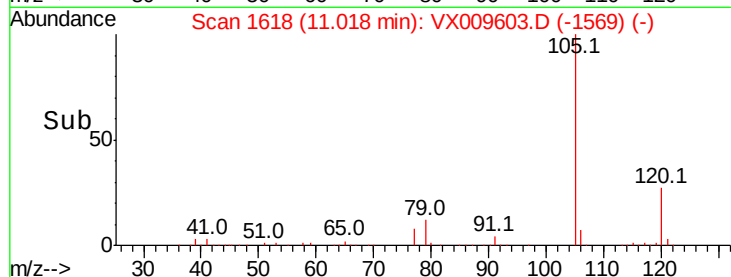
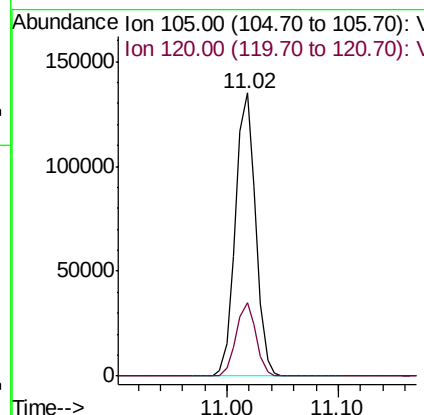
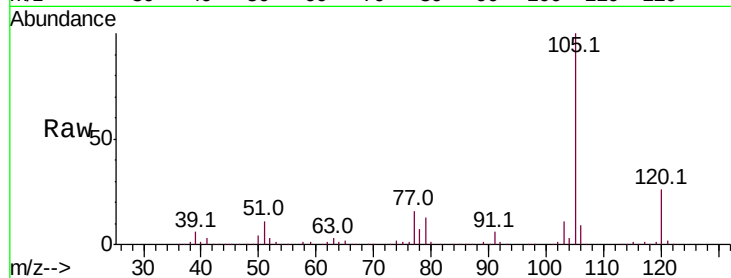
#73
Isopropylbenzene
Concen: 20.652 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX009603.D
Acq: 16 May 2019 13:37

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBSD01

Tot Ion:105 Resp: 169164
Ion Ratio Lower Upper
105 100
120 25.7 12.8 38.3

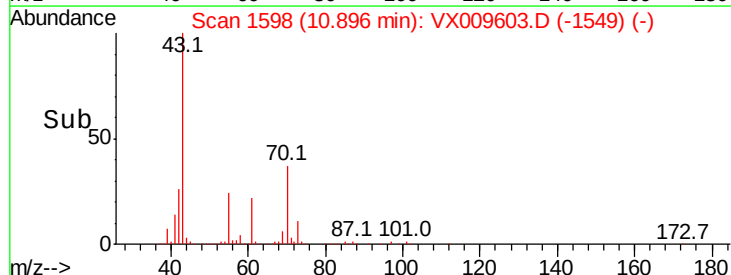
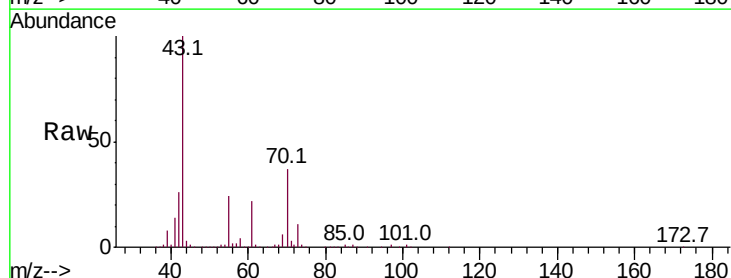
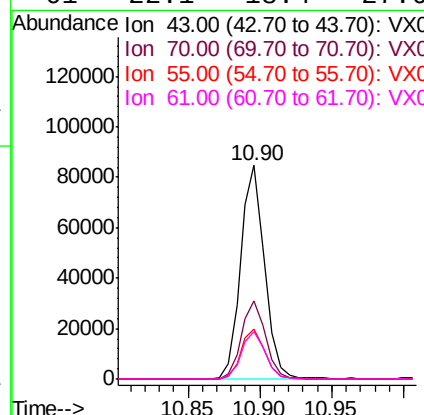
Manual Integrations
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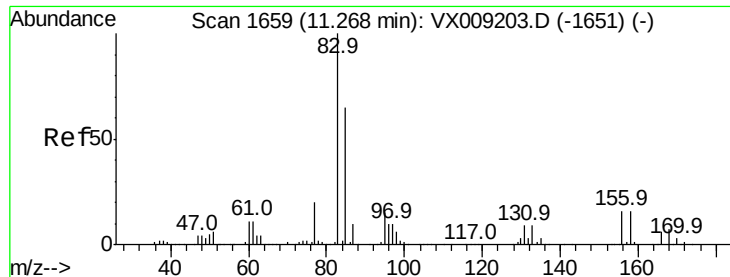
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#74
N-ethyl acetate
Concen: 20.617 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX009603.D
Acq: 16 May 2019 13:37

Tgt Ion: 43 Resp: 98454
Ion Ratio Lower Upper
43 100
70 36.7 30.0 45.0
55 23.7 17.9 26.9
61 22.1 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.446 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009603.D

Acq: 16 May 2019 13:37

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBSD01

Tot Ion: 83 Resp: 65485

Ion Ratio Lower Upper

83 100

131 9.4 4.6 13.8

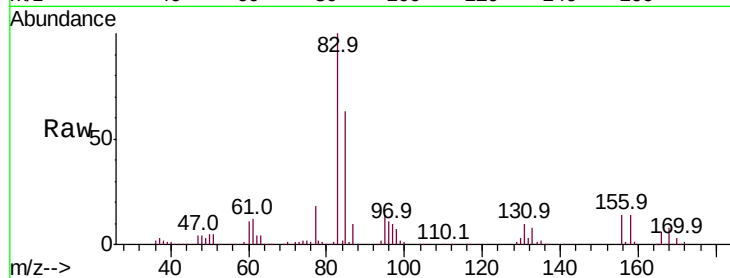
85 63.7 32.0 96.2

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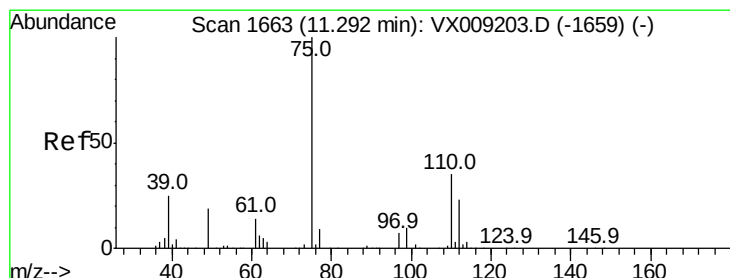
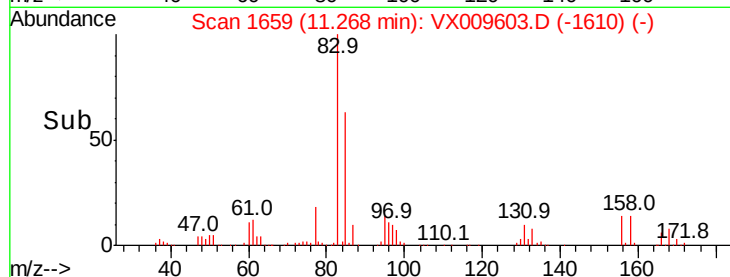
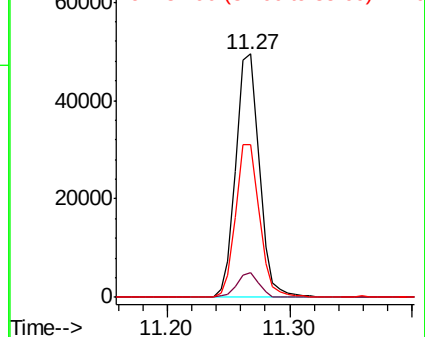
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 21.737 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX009603.D

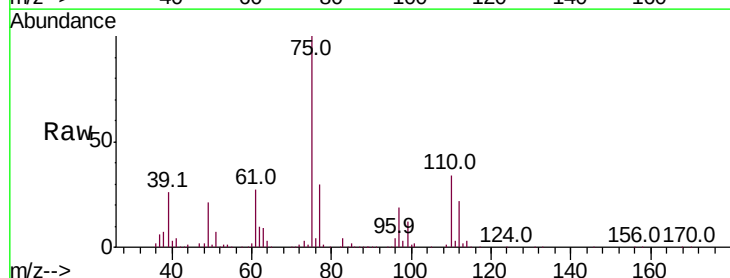
Acq: 16 May 2019 13:37

Tgt Ion: 75 Resp: 56796

Ion Ratio Lower Upper

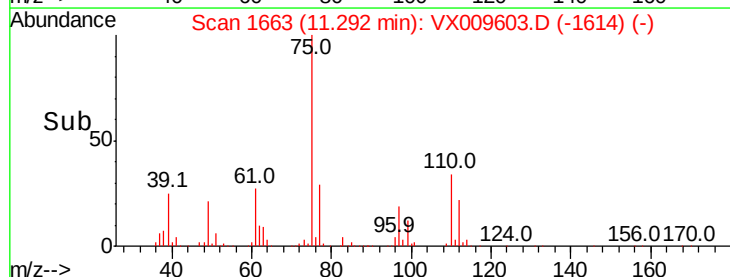
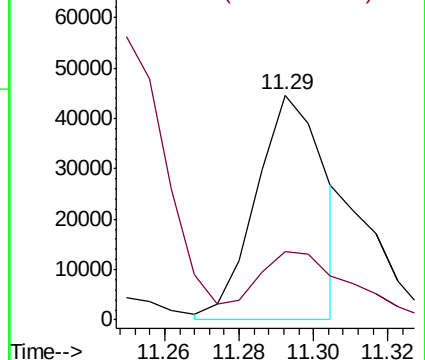
75 100

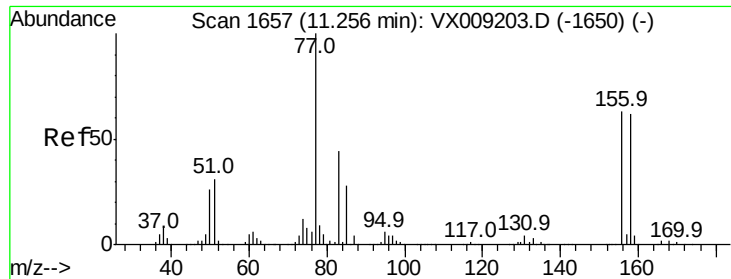
77 42.0 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





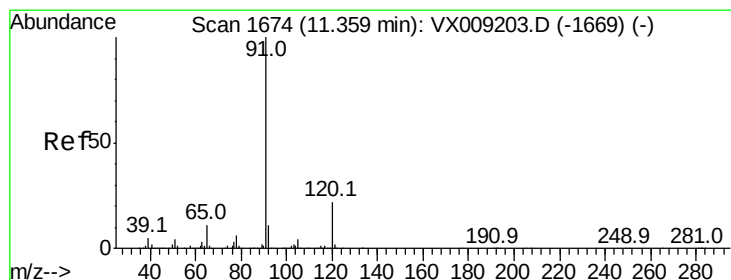
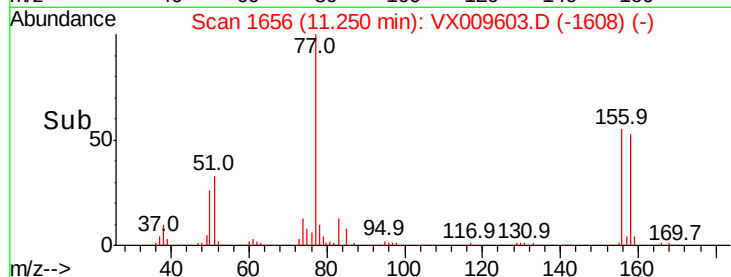
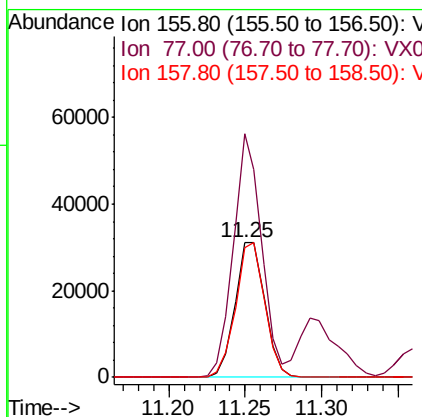
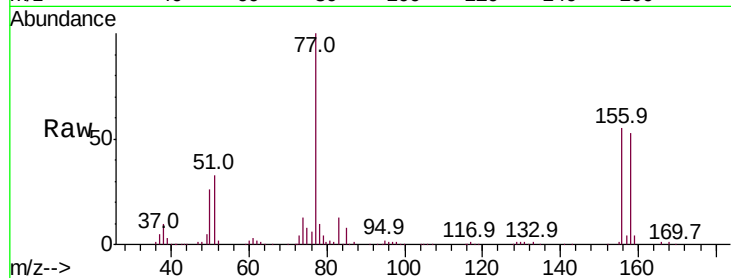
#77
Bromobenzene
Concen: 20.619 ug/l
RT: 11.25 min Scan# 1656
Delta R.T. -0.01 min
Lab File: VX009603.D
Acq: 16 May 2019 13:37

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBSD01

Tot Ion:156 Resp: 41920
Ion Ratio Lower Upper
156 100
77 170.4 84.8 254.3
158 98.2 49.1 147.3

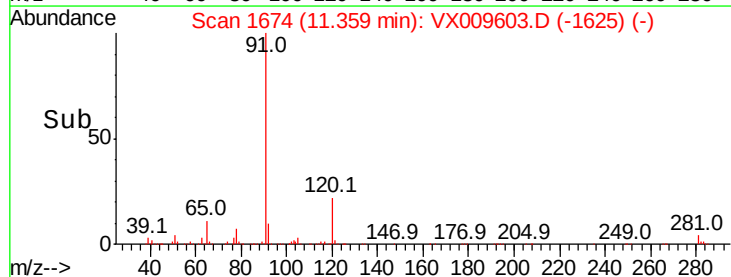
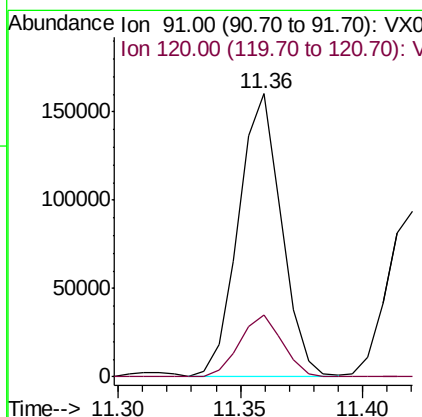
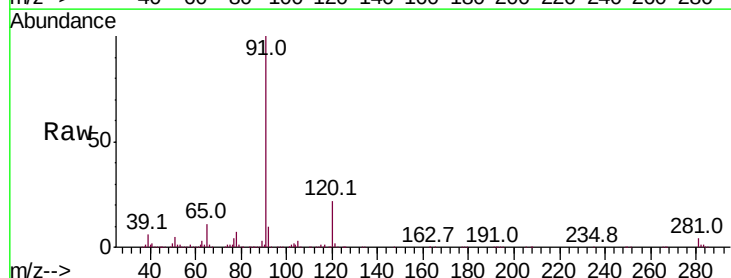
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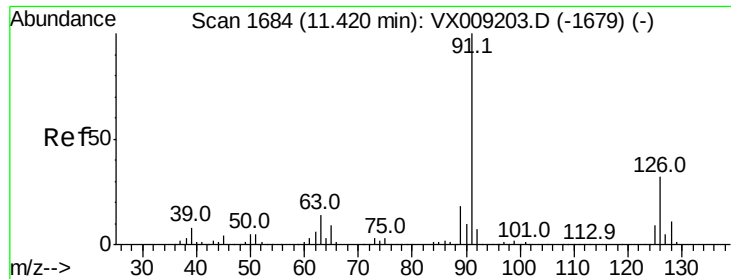
MMDadoda
5/17/2019 1:09:21 PM



#78
n-propylbenzene
Concen: 20.732 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX009603.D
Acq: 16 May 2019 13:37

Tgt Ion: 91 Resp: 193938
Ion Ratio Lower Upper
91 100
120 22.0 11.0 33.0





#79

2-Chlorotoluene

Concen: 20.100 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009603.D

Acq: 16 May 2019 13:37

Instrument :

MSVOA_X

ClientSampled :

VX0516WBSD01

Tot Ion: 91 Resp: 116005

Ion Ratio Lower Upper

91 100

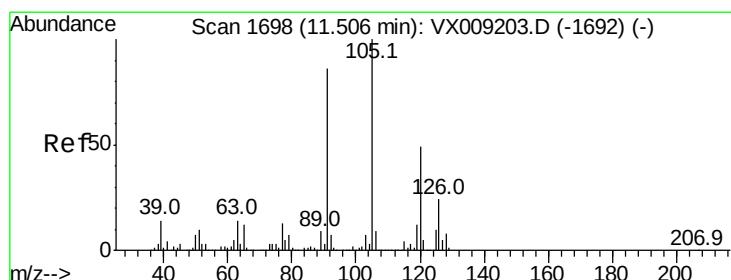
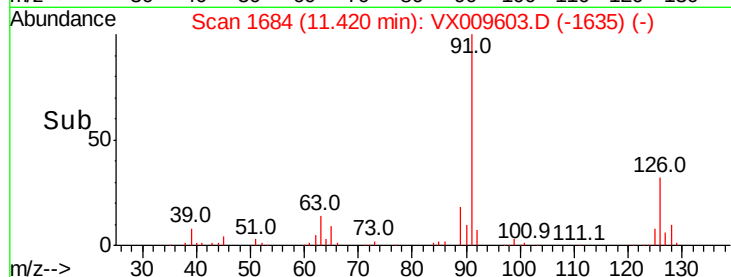
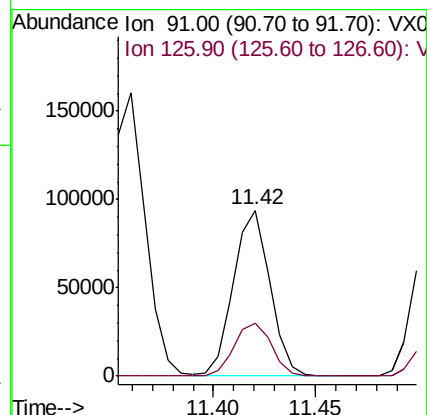
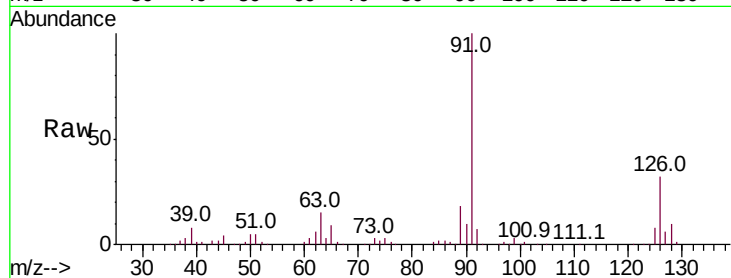
126 33.0 16.3 48.9

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#80

1,3,5-Trimethylbenzene

Concen: 20.757 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009603.D

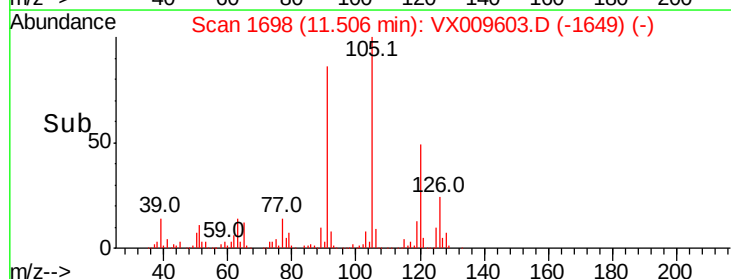
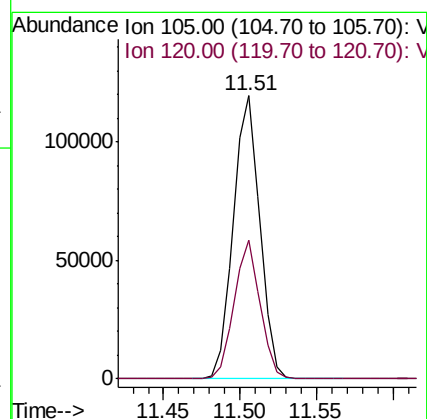
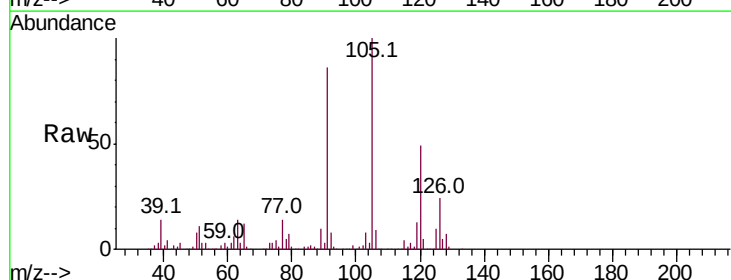
Acq: 16 May 2019 13:37

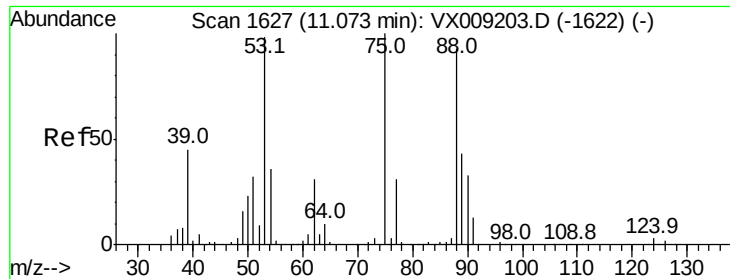
Tgt Ion: 105 Resp: 143161

Ion Ratio Lower Upper

105 100

120 48.0 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 19.920 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009603.D

Acq: 16 May 2019 13:37

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBSD01

Tot Ion: 75 Resp: 20342

Ion Ratio Lower Upper

75 100

53 105.6 79.0 118.6

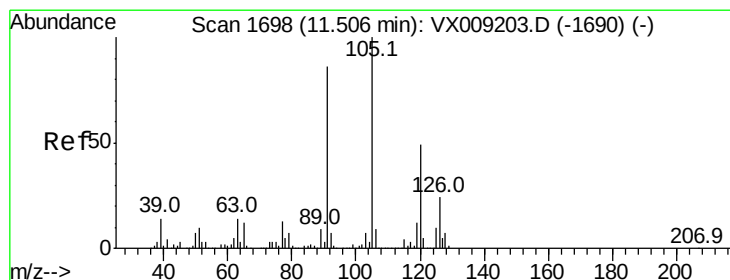
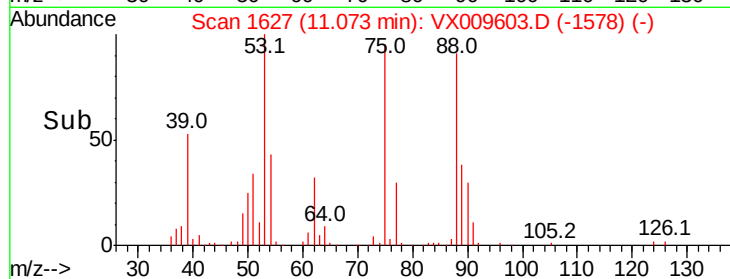
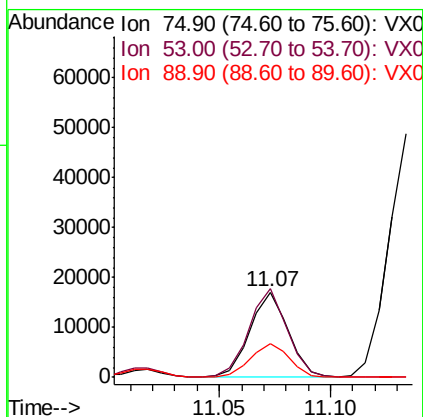
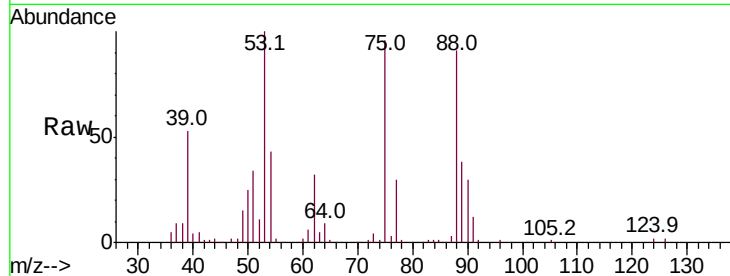
89 40.9 34.7 52.1

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#82

4-Chlorotoluene

Concen: 20.446 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009603.D

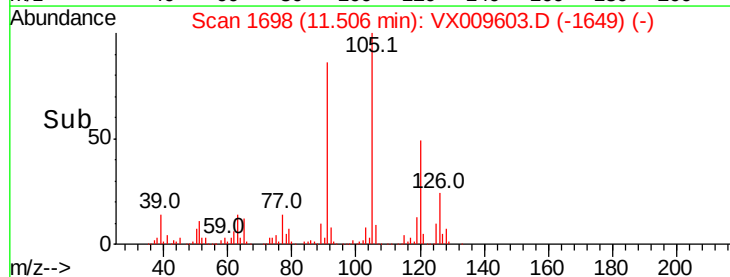
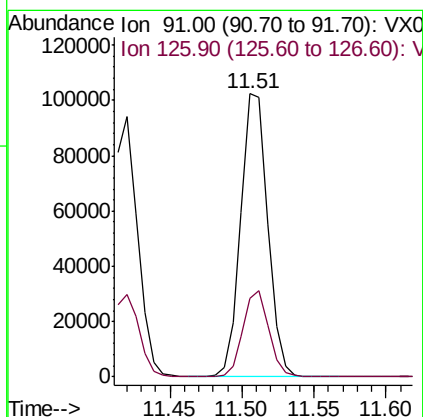
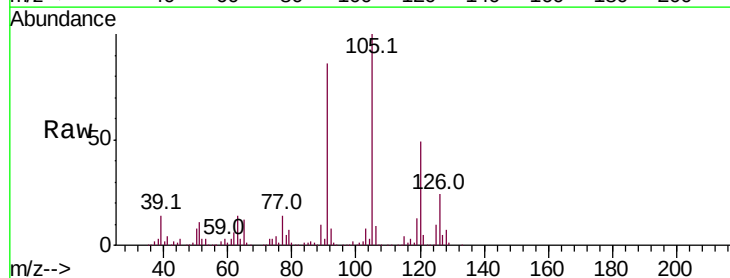
Acq: 16 May 2019 13:37

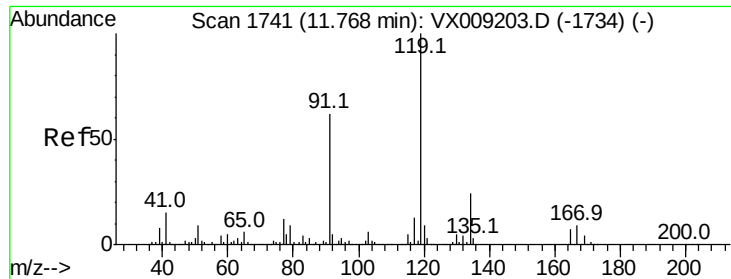
Tgt Ion: 91 Resp: 133303

Ion Ratio Lower Upper

91 100

126 29.0 14.5 43.6





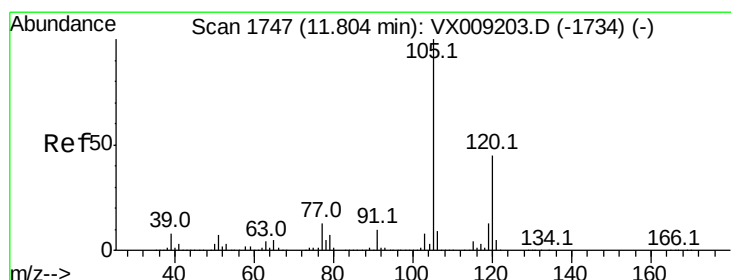
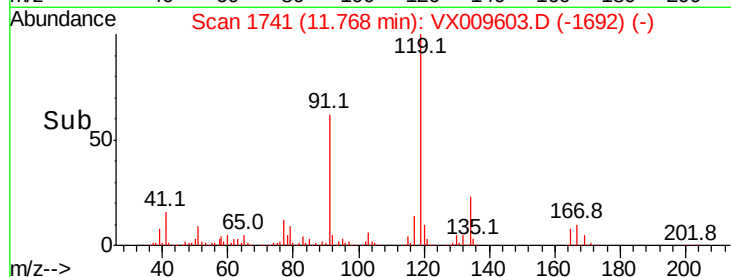
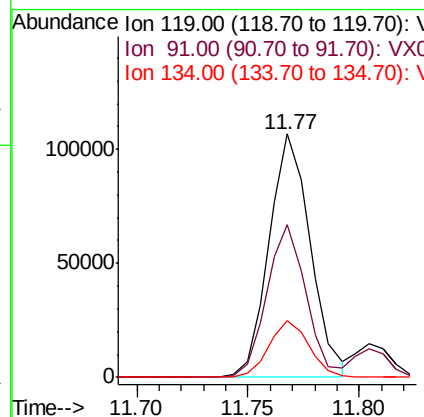
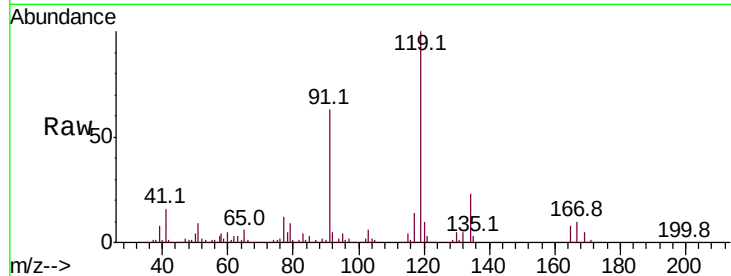
#83
tert-Butylbenzene
Concen: 20.480 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX009603.D
Acq: 16 May 2019 13:37

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	137405		
91	59.9	29.5	88.5	
134	22.7	11.4	34.1	

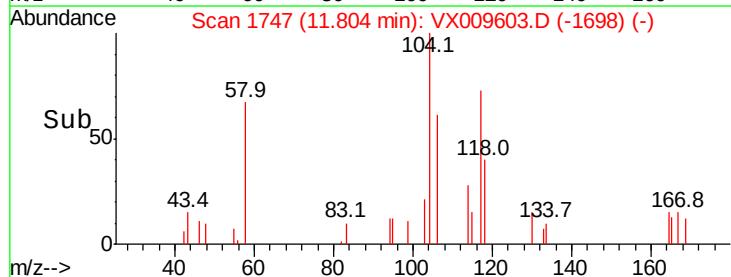
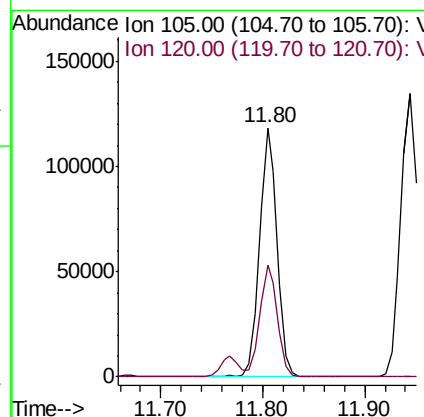
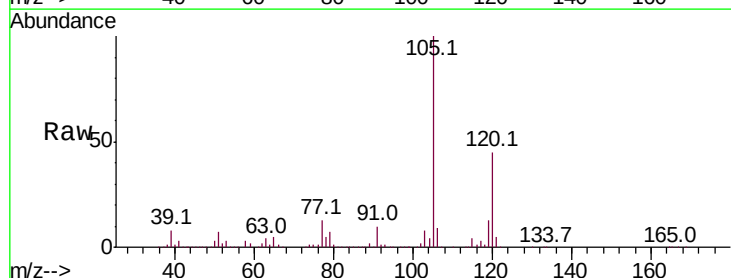
Manual Integrations
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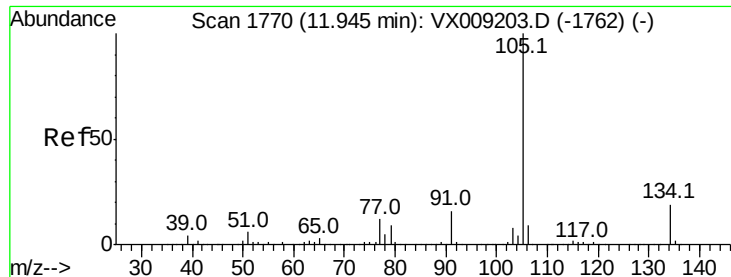
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#84
1,2,4-Trimethylbenzene
Concen: 20.801 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009603.D
Acq: 16 May 2019 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	143998		
120	44.2	22.0	66.0	





#85

sec-Butylbenzene

Concen: 20.310 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009603.D

Acq: 16 May 2019 13:37

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBSD01

Tot Ion:105 Resp: 161553

Ion Ratio Lower Upper

105 100

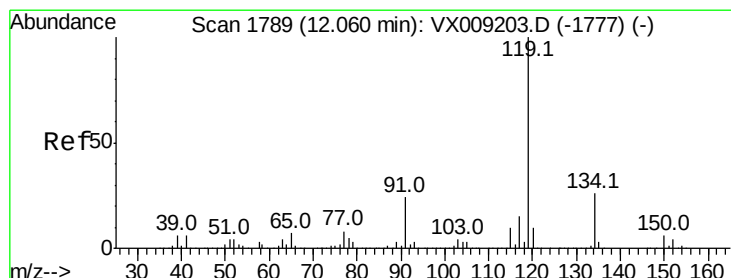
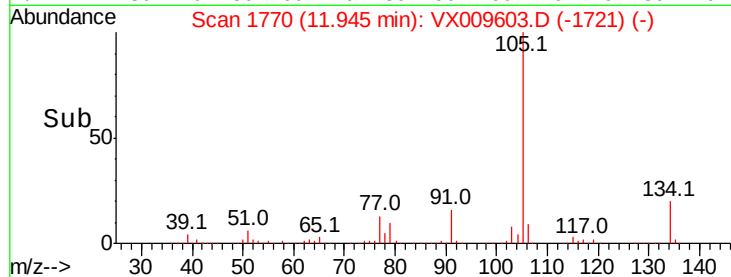
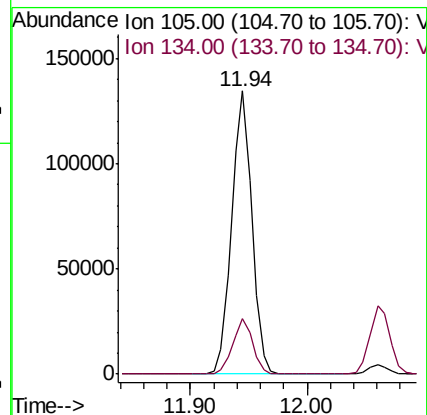
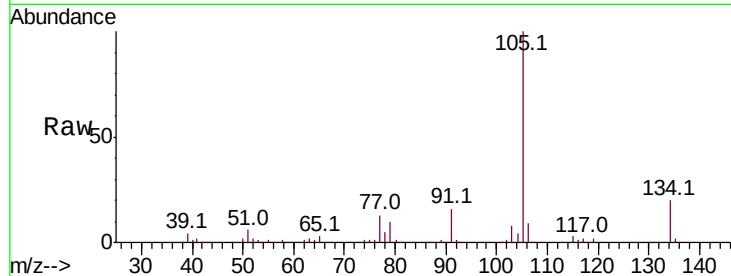
134 19.4 9.7 28.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.555 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009603.D

Acq: 16 May 2019 13:37

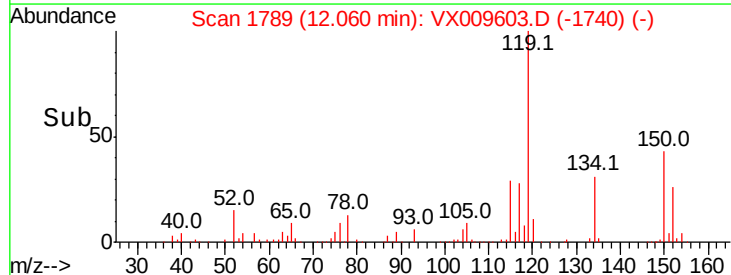
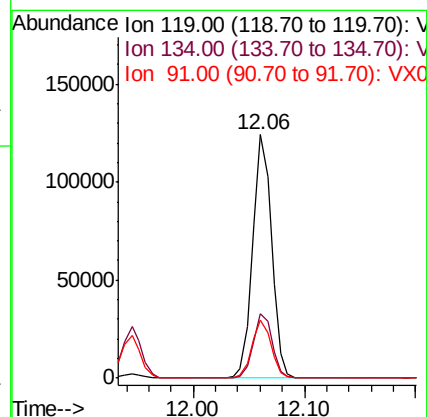
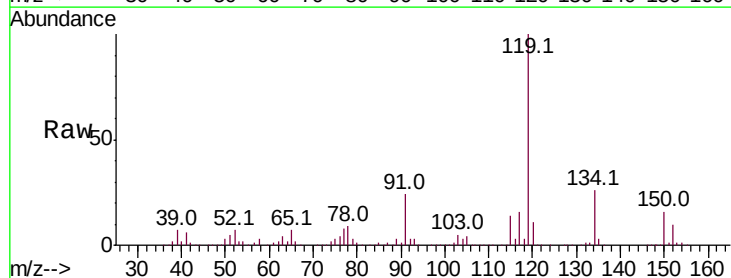
Tgt Ion:119 Resp: 146984

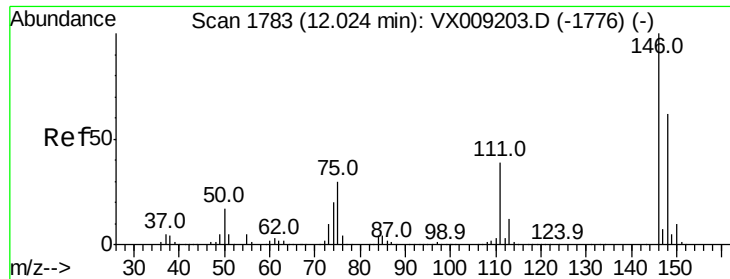
Ion Ratio Lower Upper

119 100

134 26.4 12.9 38.7

91 23.9 11.8 35.4





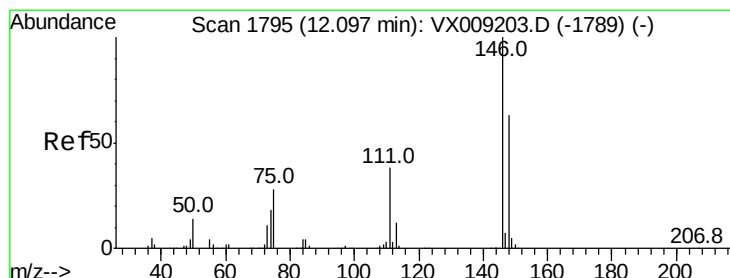
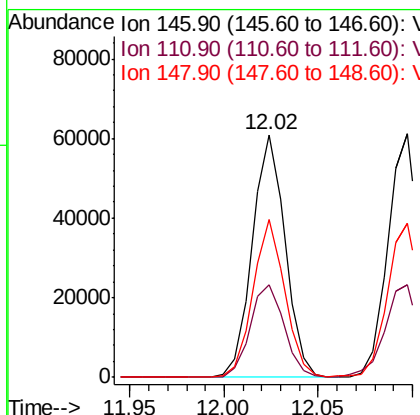
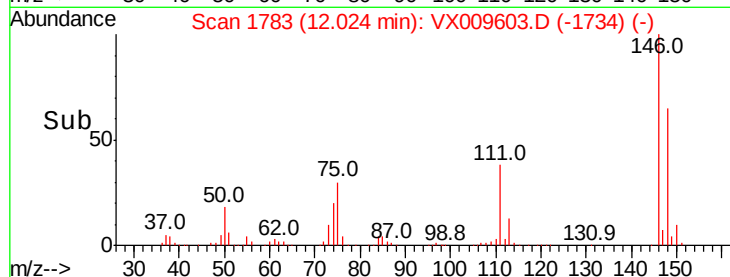
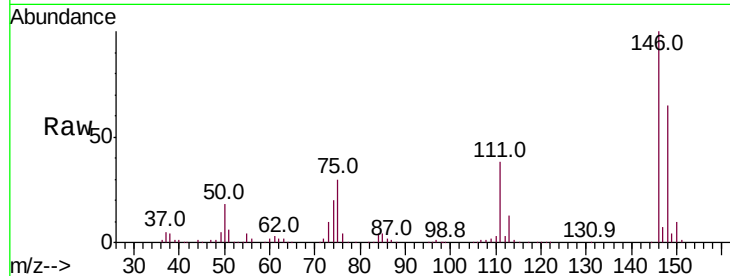
#87
 1,3-Dichlorobenzene
 Concen: 20.321 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009603.D
 Acq: 16 May 2019 13:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.0	59.9
148	63.2	31.8	95.3

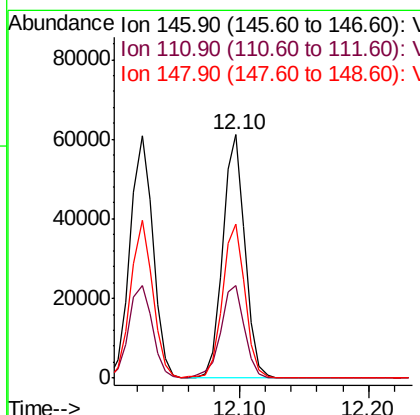
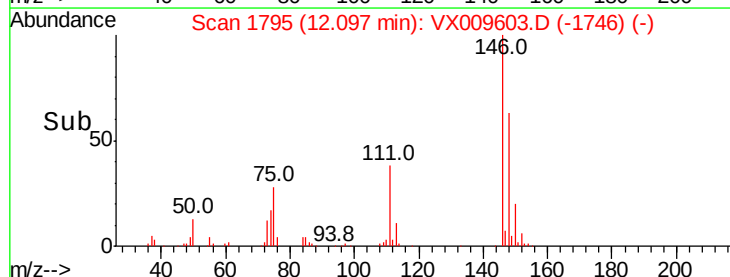
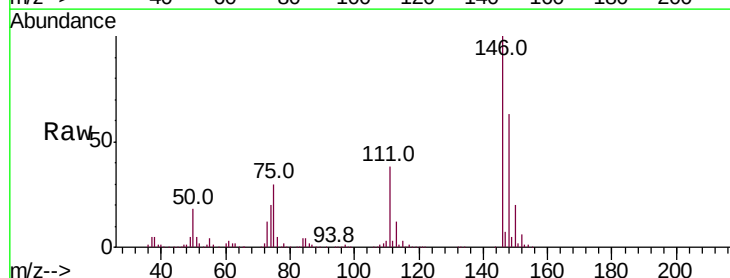
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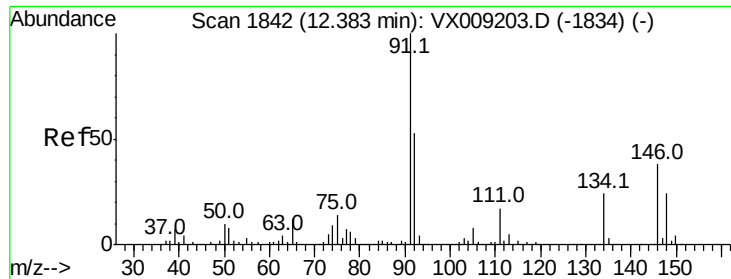
MMDadoda
 5/17/2019 1:09:21 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.306 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009603.D
 Acq: 16 May 2019 13:37

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





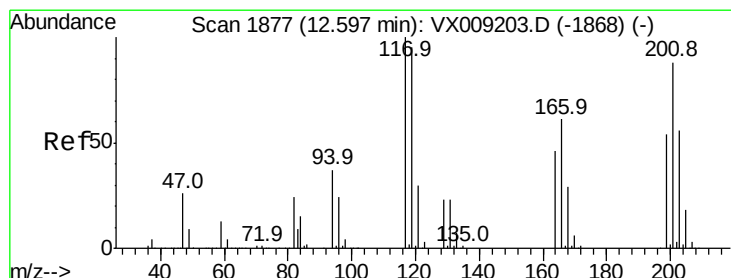
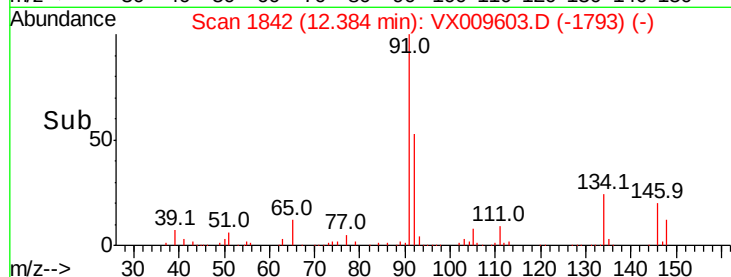
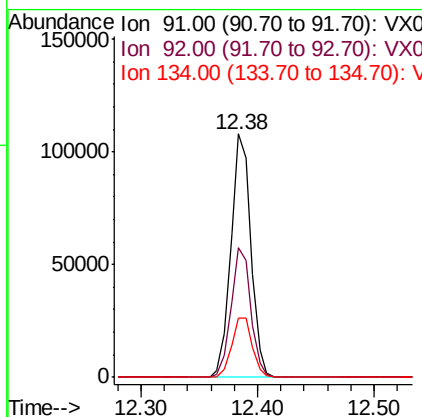
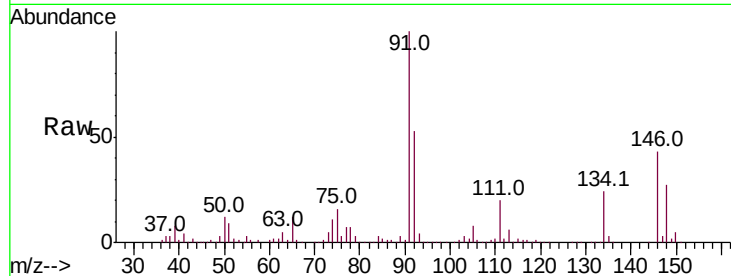
#89
n-Butylbenzene
Concen: 19.974 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009603.D
Acq: 16 May 2019 13:37

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.5	79.5
134	25.1	12.4	37.2

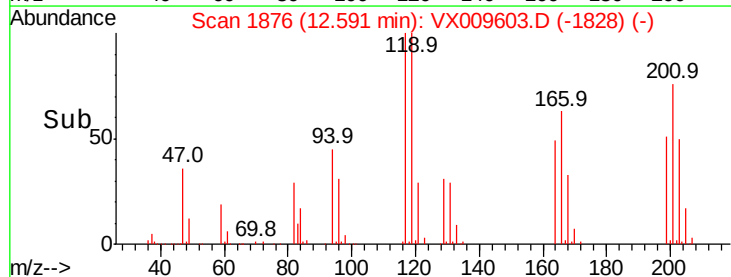
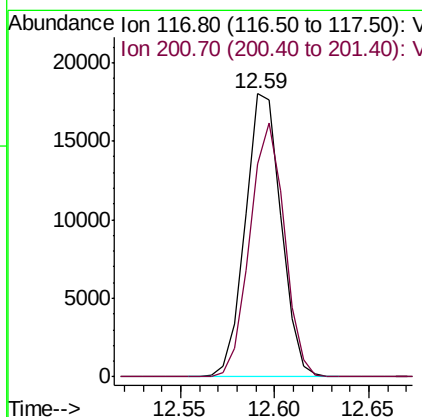
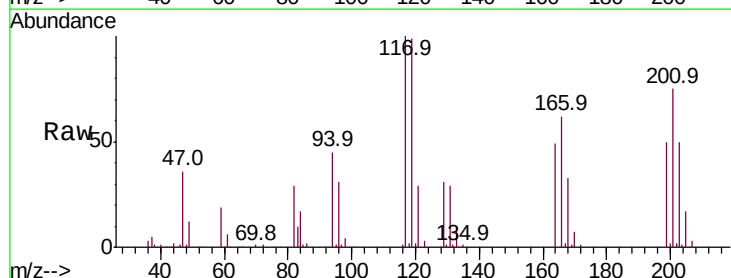
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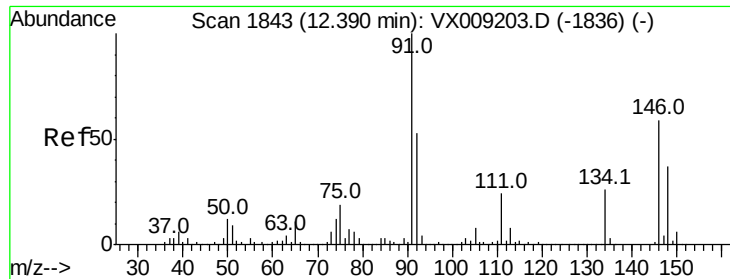
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#90
Hexachloroethane
Concen: 19.513 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009603.D
Acq: 16 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.5	42.3	126.9





#91

1,2-Dichlorobenzene

Concen: 20.342 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX009603.D

Acq: 16 May 2019 13:37

Instrument :

MSVOA_X

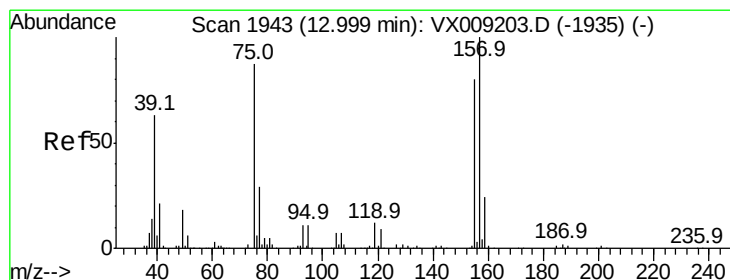
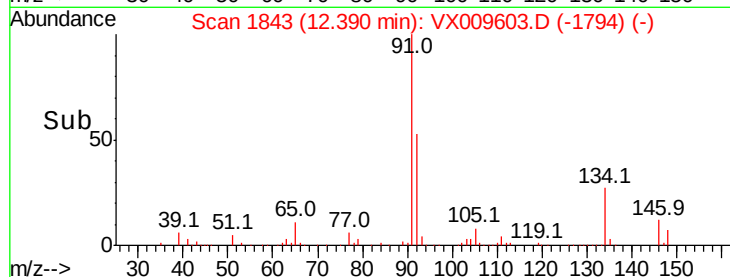
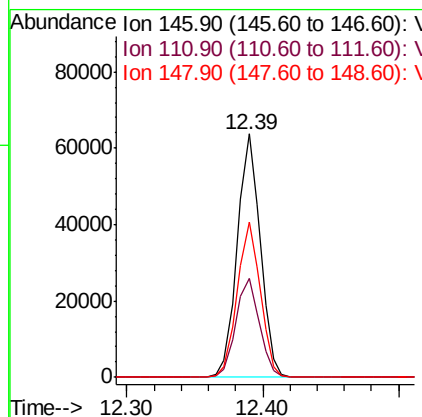
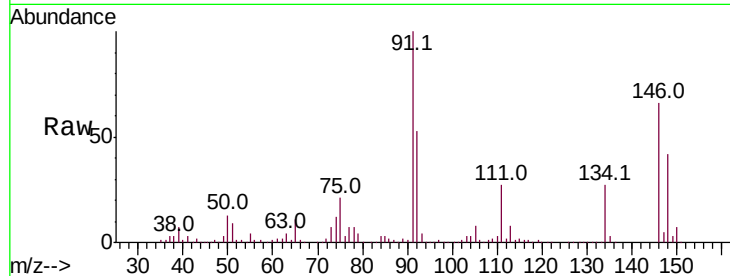
ClientSampleId :

VX0516WBSD01

Tot Ion:	146	Resp:	75091
Ion Ratio	Lower	Upper	
146	100		
111	41.7	20.8	62.4
148	64.2	31.9	95.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.922 ug/l

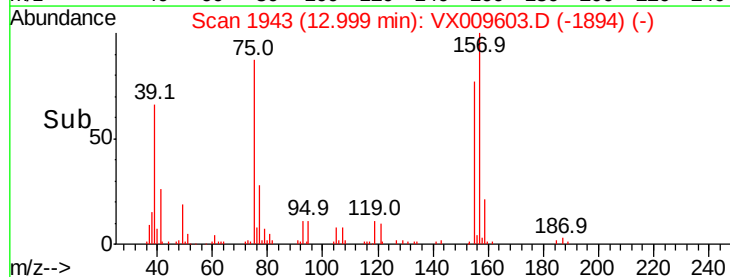
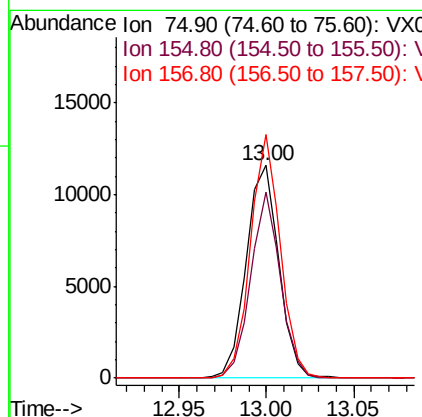
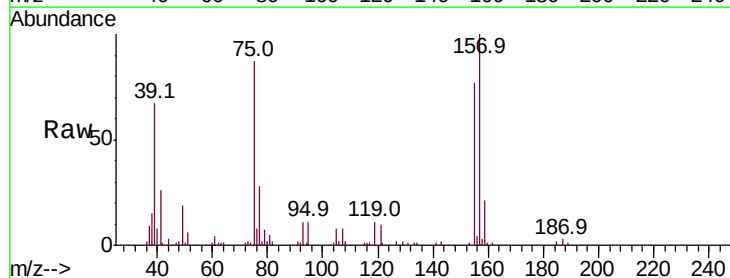
RT: 13.00 min Scan# 1943

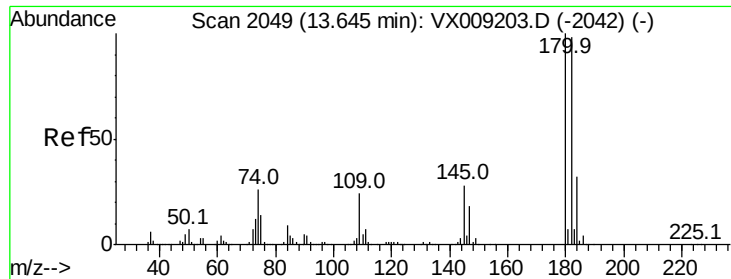
Delta R.T. 0.00 min

Lab File: VX009603.D

Acq: 16 May 2019 13:37

Tgt Ion:	75	Resp:	15016
Ion Ratio	Lower	Upper	
75	100		
155	79.4	42.0	126.0
157	104.2	53.2	159.6





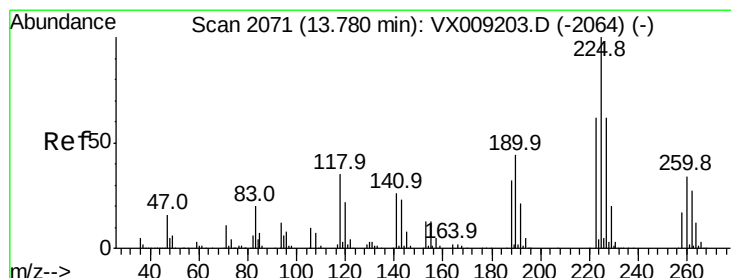
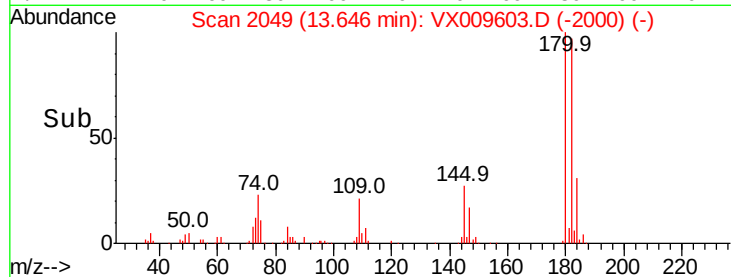
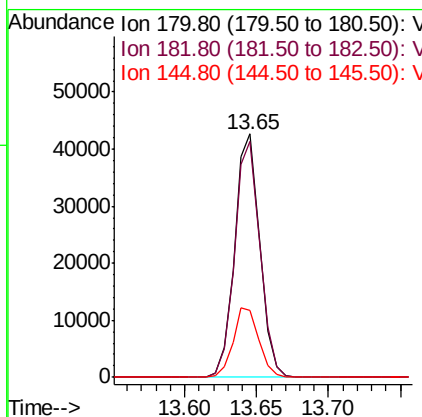
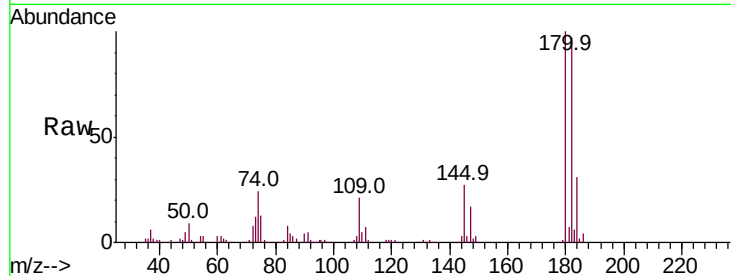
#93
 1,2,4-Trichlorobenzene
 Concen: 20.596 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009603.D
 Acq: 16 May 2019 13:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	51992		
182	97.9	48.4	145.2	
145	29.2	14.6	43.8	

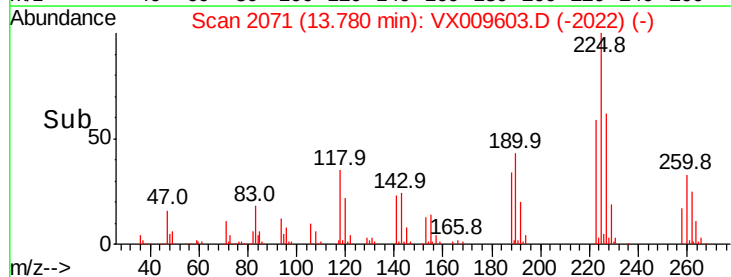
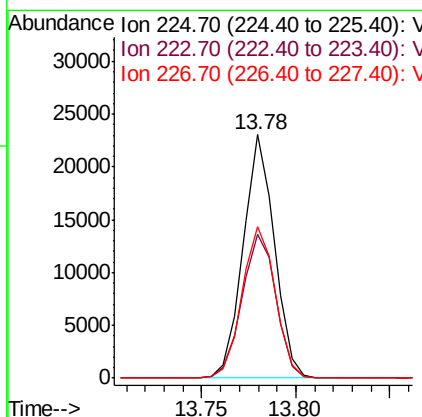
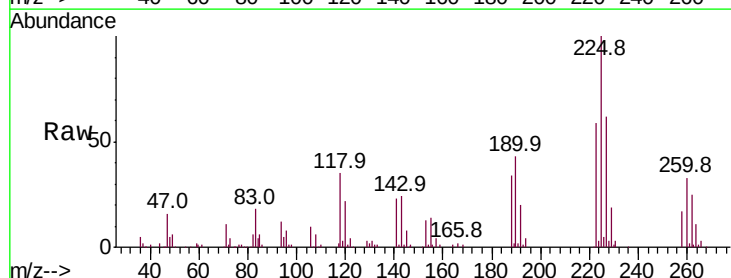
Manual Integrations
 APPROVED

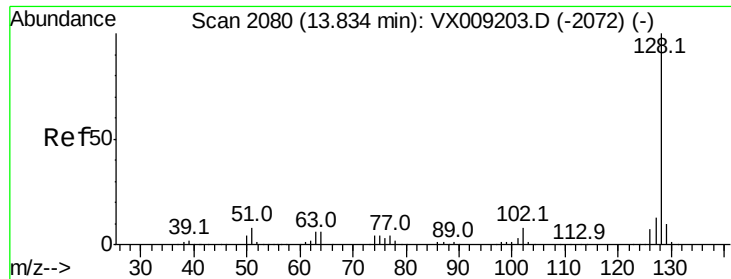
MMDadoda
 5/17/2019 1:09:21 PM



#94
 Hexachlorobutadiene
 Concen: 20.606 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009603.D
 Acq: 16 May 2019 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	26563		
223	63.7	31.3	93.8	
227	66.0	31.8	95.3	





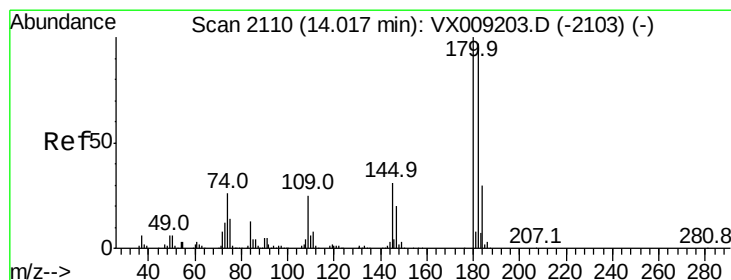
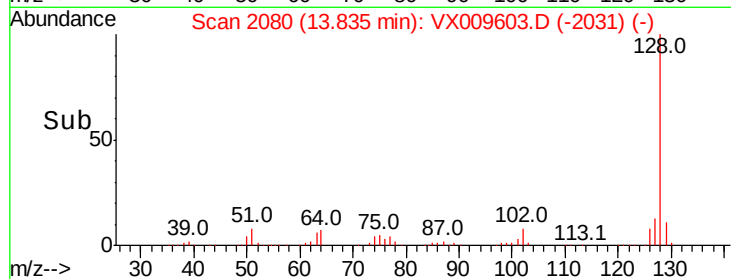
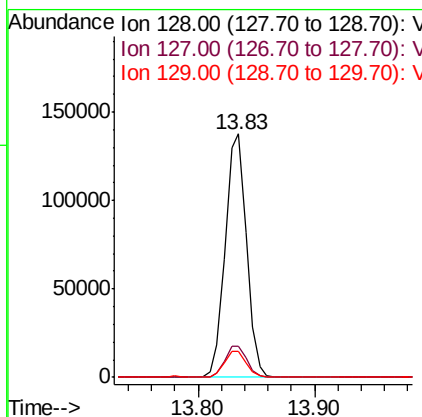
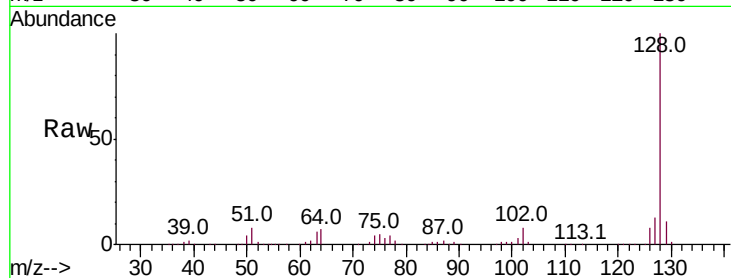
#95
Naphthalene
Concen: 21.210 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX009603.D
Acq: 16 May 2019 13:37

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/17/2019 1:09:21 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.292 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX009603.D
Acq: 16 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.8	143.4
145	30.5	15.4	46.4

