

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052419\
 Data File : VX009880.D
 Acq On : 24 May 2019 12:40
 Operator : JC/SP
 Sample : VX0524MBS01
 Misc : 5.0µl/10mL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0524MBS01

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 9:52:04 AM

Quant Time: May 25 00:50:06 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	182091	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	294620	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	264936	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	130329	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	118035	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	
35) Dibromofluoromethane	5.50	113	82213	44.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.78%	
50) Toluene-d8	8.71	98	340870	45.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.18%	
62) 4-Bromofluorobenzene	11.13	95	123701	45.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	26416	15.743	ug/l	98
3) Chloromethane	1.32	50	42129	18.390	ug/l	100
4) Vinyl Chloride	1.41	62	39705	17.774	ug/l	98
5) Bromomethane	1.64	94	24864	18.544	ug/l	99
6) Chloroethane	1.72	64	24854	17.329	ug/l	97
7) Trichlorofluoromethane	1.93	101	47471	17.482	ug/l	97
8) Diethyl Ether	2.19	74	21942	17.059	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.39	101	29067	17.046	ug/l	99
10) Methyl Iodide	2.51	142	31414	18.993	ug/l	99
11) Tert butyl alcohol	3.05	59	54800	95.239	ug/l	100
12) 1,1-Dichloroethene	2.37	96	28655	16.772	ug/l	99
13) Acrolein	2.29	56	40849	78.391	ug/l	98
14) Allyl chloride	2.73	41	72867	17.500	ug/l	98
15) Acrylonitrile	3.14	53	123943	88.098	ug/l	99
16) Acetone	2.45	43	123374	92.432	ug/l	97
17) Carbon Disulfide	2.57	76	77560	16.169	ug/l	99
18) Methyl Acetate	2.78	43	55225	17.397	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	114493	17.257	ug/l	96
20) Methylene Chloride	2.85	84	36210	16.755	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	31857	17.193	ug/l	96
22) Diisopropyl ether	3.85	45	143902	17.971	ug/l	91
23) Vinyl Acetate	3.82	43	640743	93.447	ug/l	99
24) 1,1-Dichloroethane	3.70	63	68150	17.253	ug/l	99
25) 2-Butanone	4.68	43	193825	93.447	ug/l	97
26) 2,2-Dichloropropane	4.58	77	49400	16.801	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	37600	17.001	ug/l	95
28) Bromochloromethane	5.02	49	36995	21.715	ug/l	94
29) Tetrahydrofuran	5.13	42	124992	93.647	ug/l	97
30) Chloroform	5.21	83	61251	17.145	ug/l	97
31) Cyclohexane	5.58	56	65879	17.926	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	50366	16.935	ug/l	98
36) 1,1-Dichloropropene	5.80	75	47086	17.198	ug/l	99
37) Ethyl Acetate	4.84	43	71652	18.783	ug/l	98
38) Carbon Tetrachloride	5.79	117	40624	16.331	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	58941	17.529	ug/l	99
40) Benzene	6.14	78	145652	17.189	ug/l	99
41) Methacrylonitrile	5.04	41	39473	17.383	ug/l	98
42) 1,2-Dichloroethane	6.20	62	55140	18.141	ug/l	99
43) Isopropyl Acetate	6.45	43	110686	18.140	ug/l	99
44) Trichloroethene	7.21	130	34025	16.610	ug/l	93
45) 1,2-Dichloropropane	7.51	63	42138	17.562	ug/l	99
46) Dibromomethane	7.66	93	23479	16.851	ug/l	100
47) Bromodichloromethane	7.90	83	45485	16.366	ug/l	98
48) Methyl methacrylate	7.77	41	56182	18.558	ug/l	97
49) 1,4-Dioxane	7.74	88	20432	332.804	ug/l	92
51) 4-Methyl-2-Pentanone	8.64	43	370883	92.992	ug/l	98
52) Toluene	8.78	92	88981	17.275	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	52497	16.730	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	59461	17.120	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	35462	16.876	ug/l	97
56) Ethyl methacrylate	9.18	69	65196	17.381	ug/l	96
57) 1,3-Dichloropropane	9.37	76	64352	17.402	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	167440	84.144	ug/l	99
59) 2-Hexanone	9.49	43	290626	92.781	ug/l	97
60) Dibromochloromethane	9.58	129	32539	15.854	ug/l	99
61) 1,2-Dibromoethane	9.67	107	36232	17.081	ug/l	100
64) Tetrachloroethene	9.34	164	32065	17.644	ug/l	100
65) Chlorobenzene	10.13	112	90489	17.074	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	31270	16.274	ug/l	98
67) Ethyl Benzene	10.25	91	168388	17.264	ug/l	100
68) m/p-Xylenes	10.36	106	124343	34.885	ug/l	98
69) o-Xylene	10.69	106	61047	17.359	ug/l	100
70) Styrene	10.71	104	104846	17.153	ug/l	98
71) Bromoform	10.86	173	23967	15.349	ug/l #	100
73) Isopropylbenzene	11.02	105	163214	17.221	ug/l	100
74) N-amyl acetate	10.90	43	98732	17.869	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	59413	16.816	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	52497m	17.365	ug/l	
77) Bromobenzene	11.26	156	40320	17.140	ug/l	98
78) n-propylbenzene	11.36	91	188188	17.387	ug/l	99
79) 2-Chlorotoluene	11.42	91	112159	16.796	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	136147	17.061	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	17930	15.175	ug/l	88
82) 4-Chlorotoluene	11.51	91	129344	17.146	ug/l	98
83) tert-Butylbenzene	11.77	119	129562	16.690	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	137700	17.191	ug/l	99
85) sec-Butylbenzene	11.94	105	156647	17.020	ug/l	100
86) p-Isopropyltoluene	12.06	119	142378	17.208	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	70953	16.920	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	70717	16.727	ug/l	98
89) n-Butylbenzene	12.38	91	131454	17.578	ug/l	99
90) Hexachloroethane	12.60	117	22278	15.805	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	71374	16.711	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	13410	16.920	ug/l	93

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Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	50225	17.196	ug/l	100
94) Hexachlorobutadiene	13.78	225	26222	17.581	ug/l	97
95) Naphthalene	13.83	128	160215	16.860	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	50678	17.117	ug/l	99

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

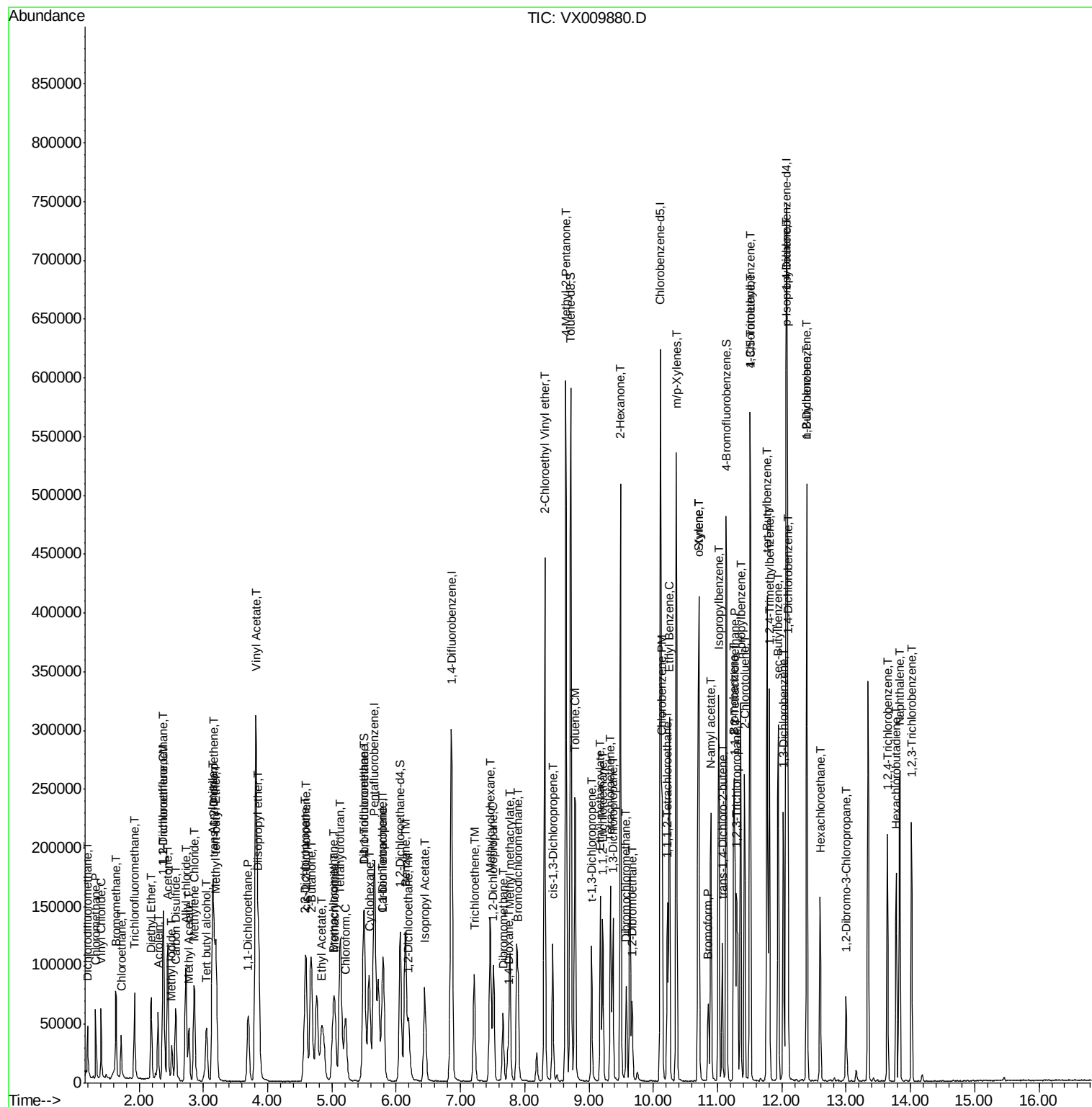
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX052419\
 Data File : VX009880.D
 Acq On : 24 May 2019 12:40
 Operator : JC/SP
 Sample : VX0524MBS01
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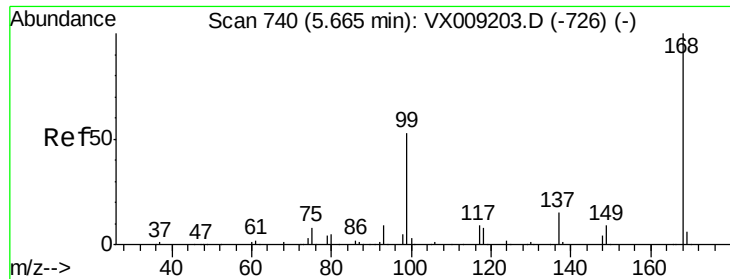
Instrument :
 MSVOA_X
 Client Sampled :
 VX0524MBS01

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009880.D

Acq: 24 May 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VX0524MBS01

Tot Ion:168 Resp: 182091

Ion Ratio Lower Upper

168 100

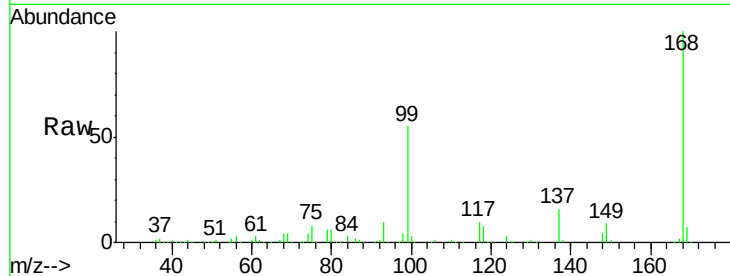
99 54.6 42.3 63.5

Manual Integrations

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5/28/2019 9:52:04 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

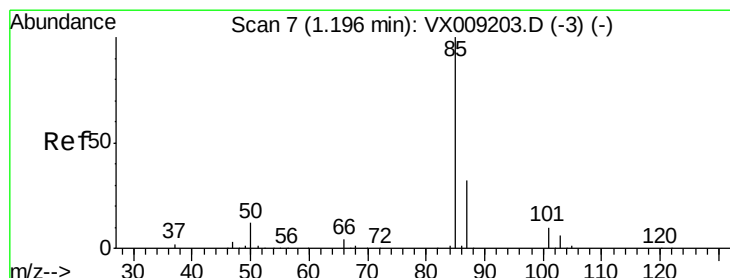
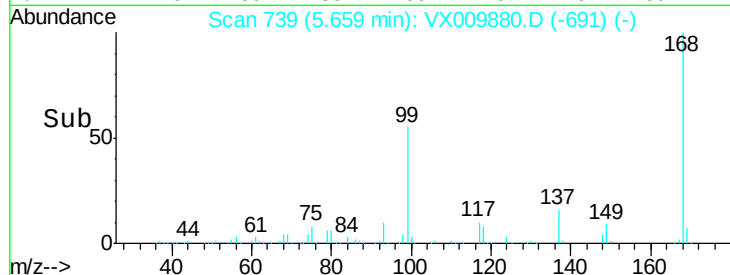
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 15.743 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009880.D

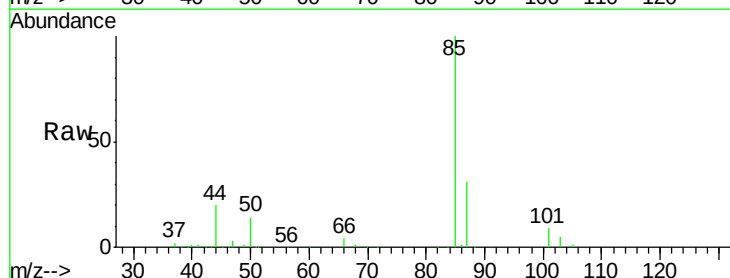
Acq: 24 May 2019 12:40

Tgt Ion: 85 Resp: 26416

Ion Ratio Lower Upper

85 100

87 31.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

25000

20000

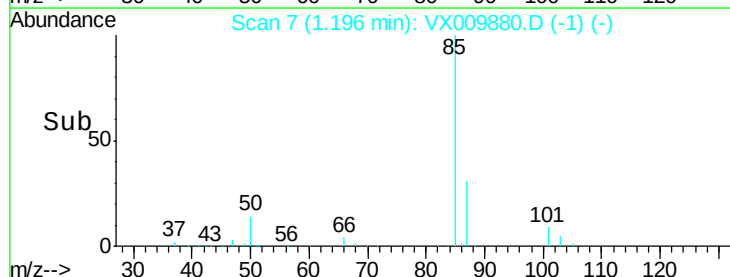
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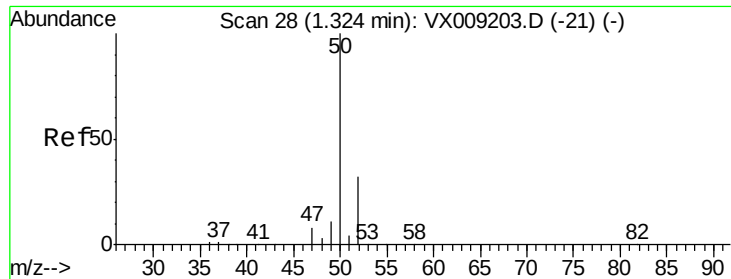
10000

5000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 18.390 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009880.D

Acq: 24 May 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VX0524MBS01

Tot Ion: 50 Resp: 42129

Ion Ratio Lower Upper

50 100

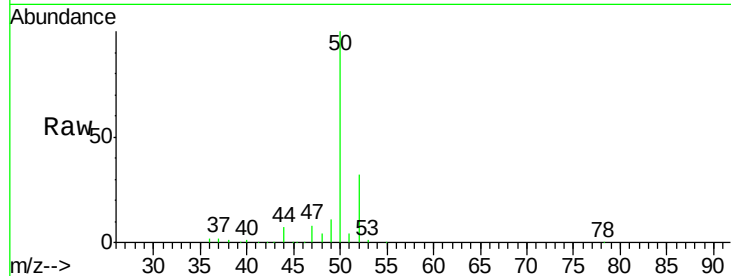
52 32.2 25.9 38.9

Manual Integrations

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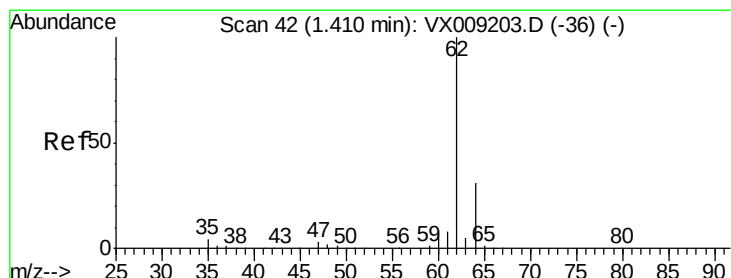
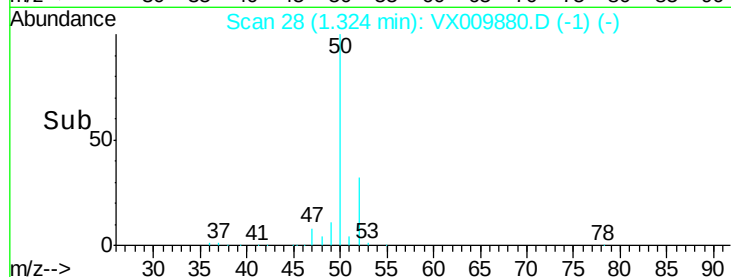
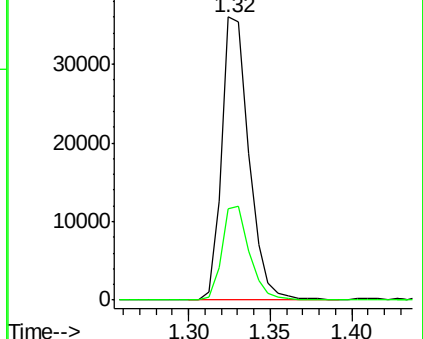
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 17.774 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009880.D

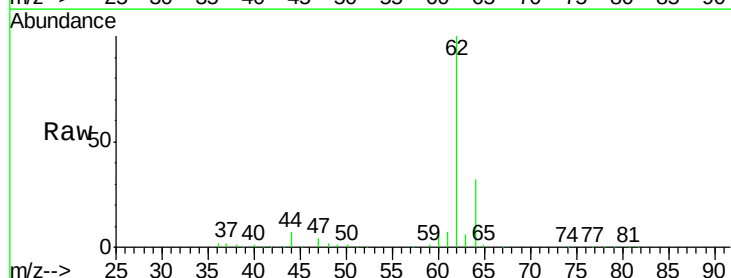
Acq: 24 May 2019 12:40

Tgt Ion: 62 Resp: 39705

Ion Ratio Lower Upper

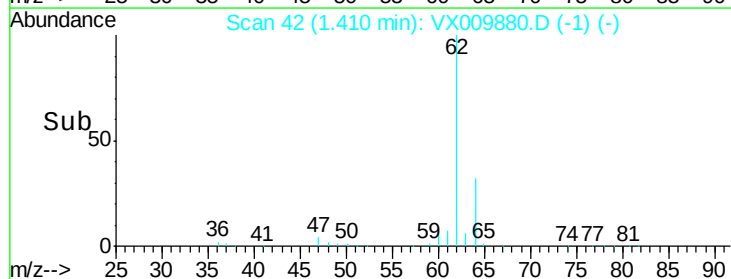
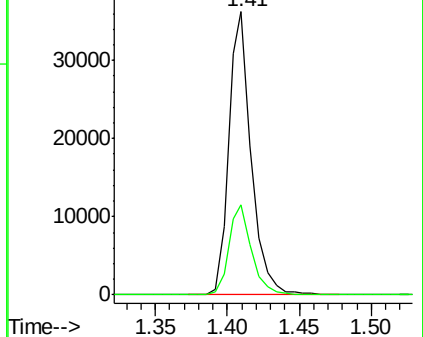
62 100

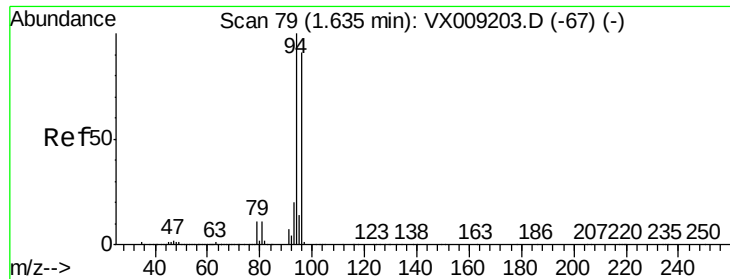
64 31.7 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 18.544 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009880.D

Acq: 24 May 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VX0524MBS01

Tot Ion: 94 Resp: 24864

Ion Ratio Lower Upper

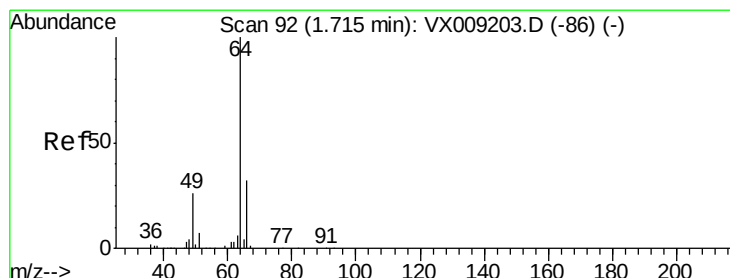
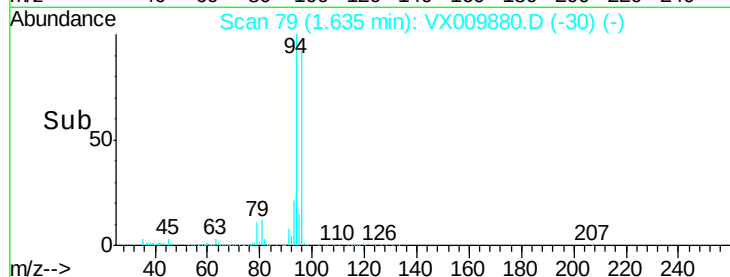
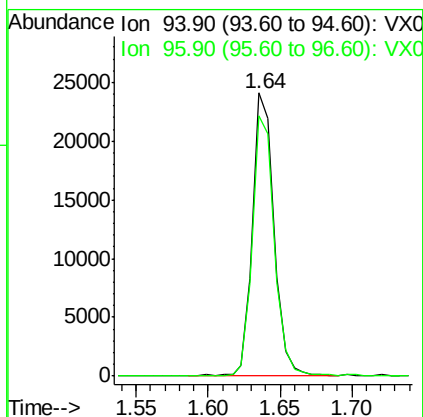
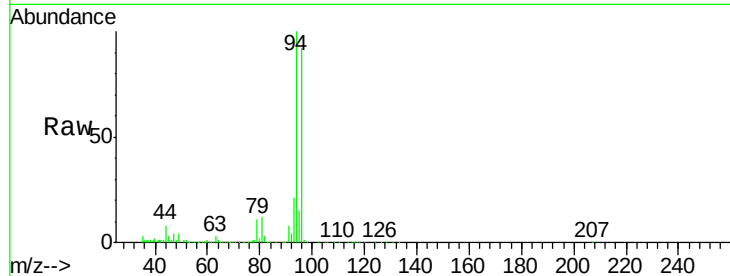
94 100

96 91.8 73.0 109.6

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5/28/2019 9:52:04 AM



#6

Chloroethane

Concen: 17.329 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009880.D

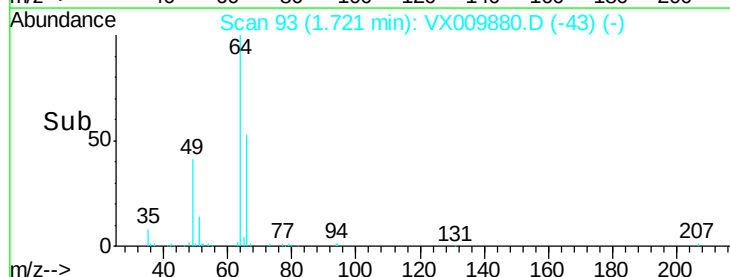
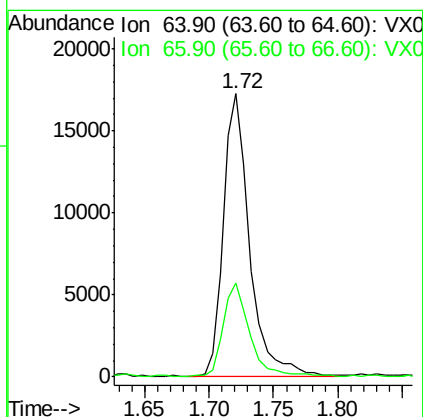
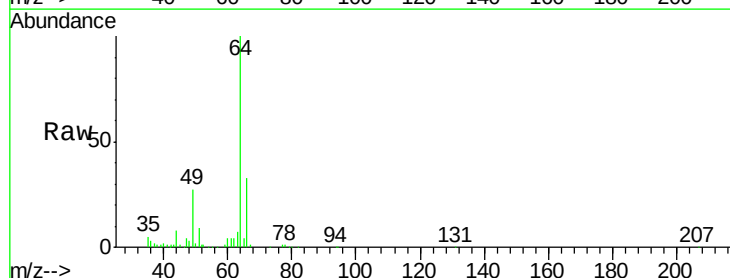
Acq: 24 May 2019 12:40

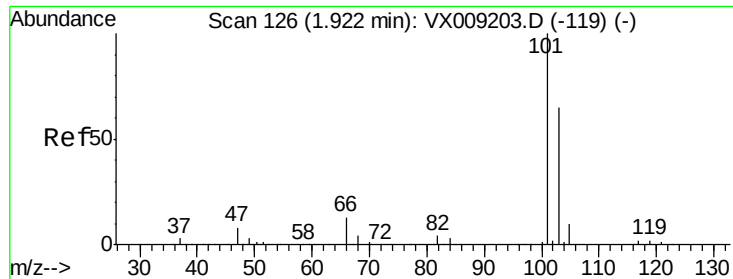
Tgt Ion: 64 Resp: 24854

Ion Ratio Lower Upper

64 100

66 33.3 25.3 37.9





#7

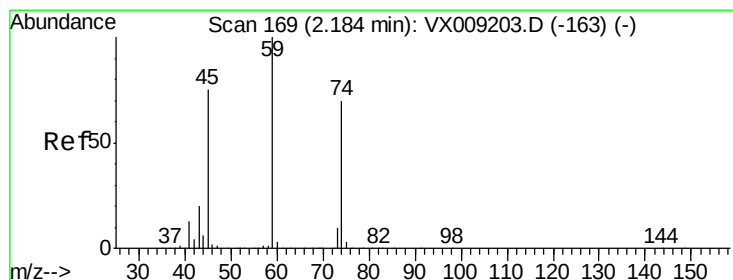
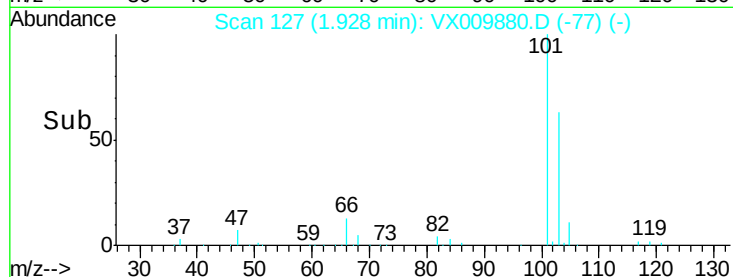
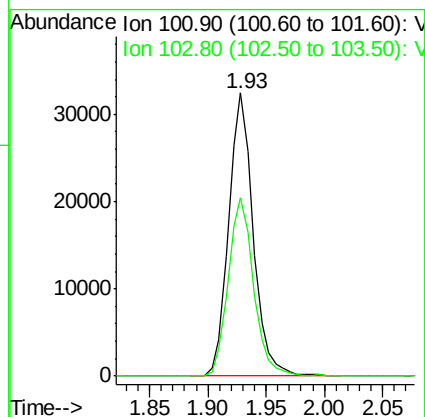
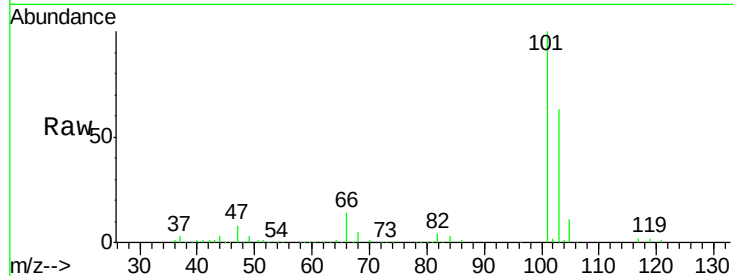
Trichlorofluoromethane
Concen: 17.482 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX009880.D
Acq: 24 May 2019 12:40

Instrument :
MSVOA_X
ClientSampleId :
VX0524MBS01

Tot Ion:101 Resp: 47471
Ion Ratio Lower Upper
101 100
103 62.9 52.4 78.6

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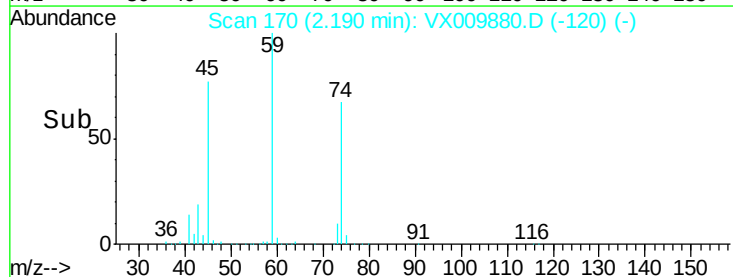
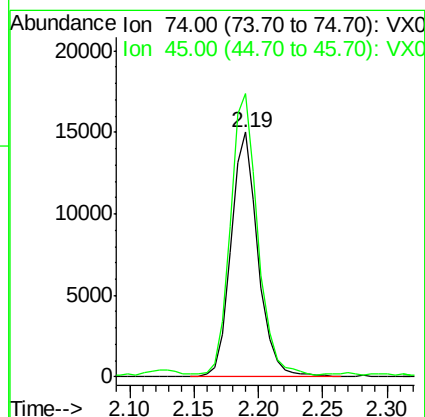
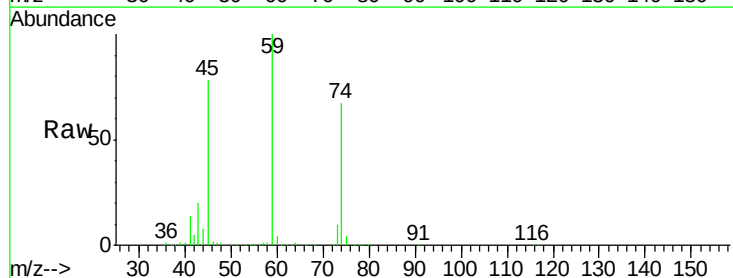
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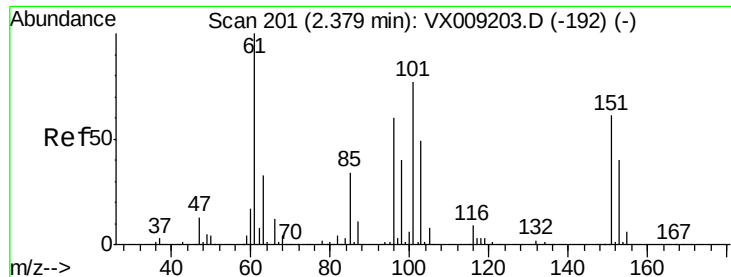


#8

Diethyl Ether
Concen: 17.059 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009880.D
Acq: 24 May 2019 12:40

Tgt Ion: 74 Resp: 21942
Ion Ratio Lower Upper
74 100
45 116.4 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.046 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX009880.D

Acq: 24 May 2019 12:40

Instrument :

MSVOA_X

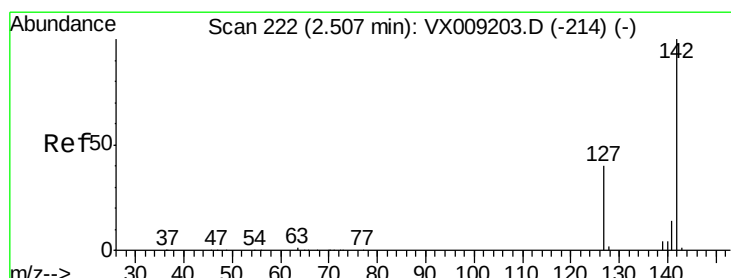
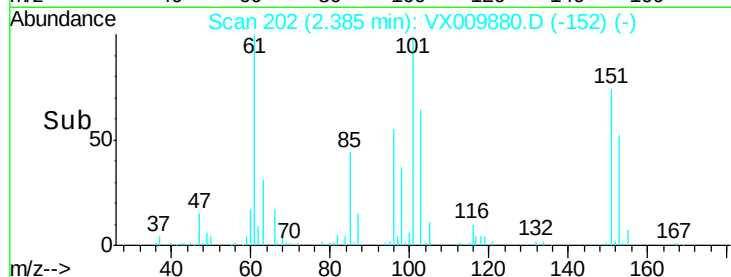
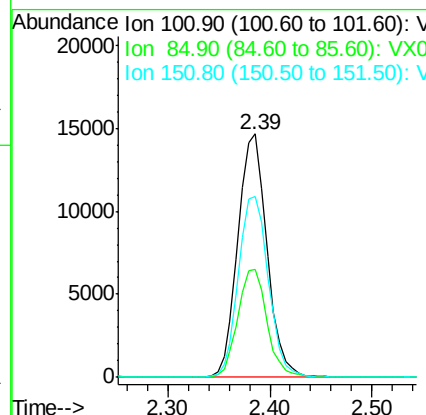
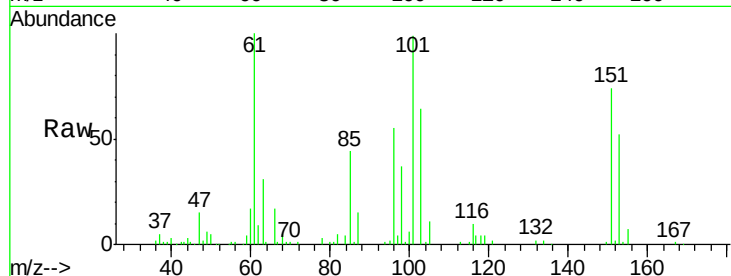
ClientSampleId :

VX0524MBS01

Tot Ion:	101	Resp:	29067
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.7	53.5
151	76.4	62.2	93.2

Manual Integrations
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#10

Methyl Iodide

Concen: 18.993 ug/l

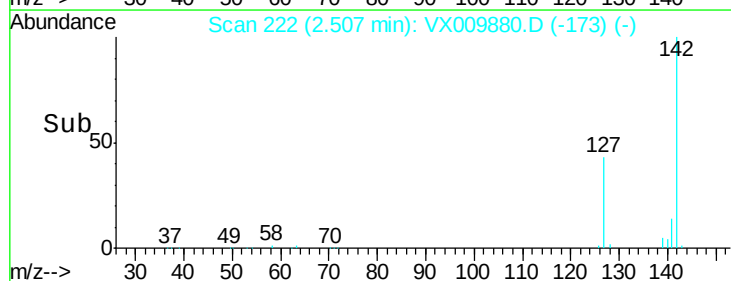
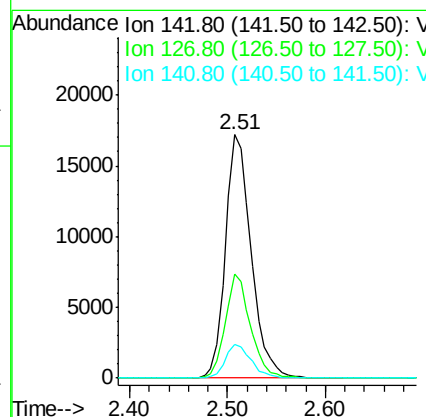
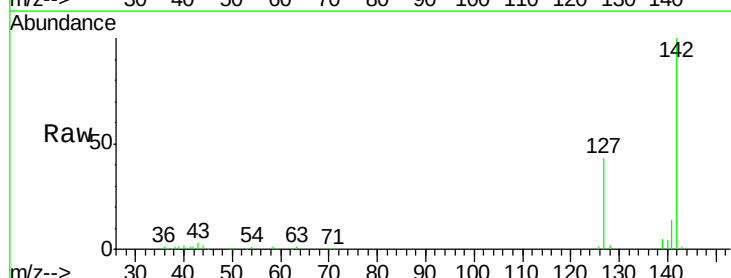
RT: 2.51 min Scan# 222

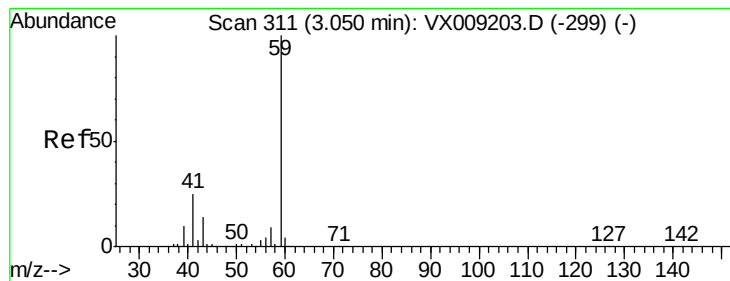
Delta R.T. 0.00 min

Lab File: VX009880.D

Acq: 24 May 2019 12:40

Tgt Ion:	142	Resp:	31414
Ion Ratio	Lower	Upper	
142	100		
127	41.5	32.7	49.1
141	14.0	11.5	17.3





#11

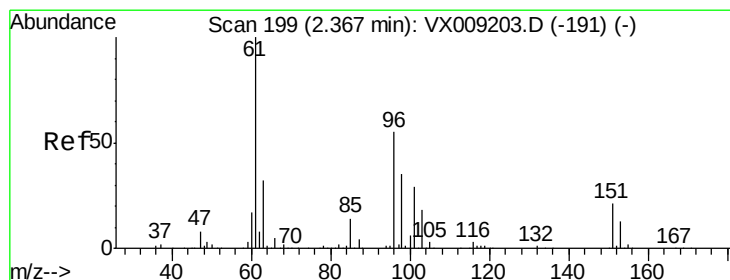
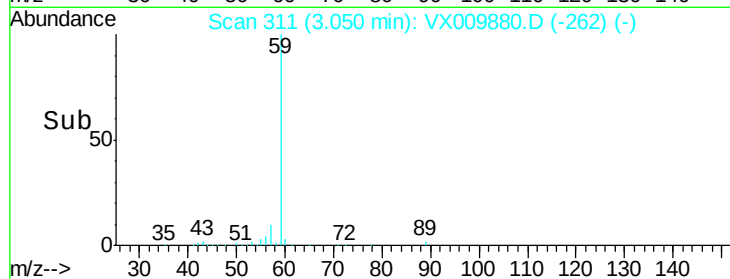
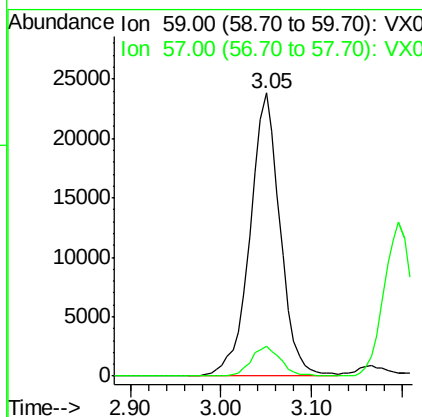
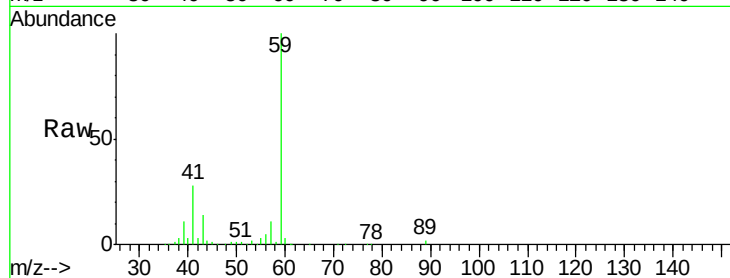
Tert butyl alcohol
 Concen: 95.239 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. 0.00 min
 Lab File: VX009880.D
 Acq: 24 May 2019 12:40

Instrument :
 MSVOA_X
 ClientSampled :
 VX0524MBS01

Tot Ion	59.00 (58.70 to 59.70): VX0	Resp	54800
Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.2

Manual Integrations
 APPROVED

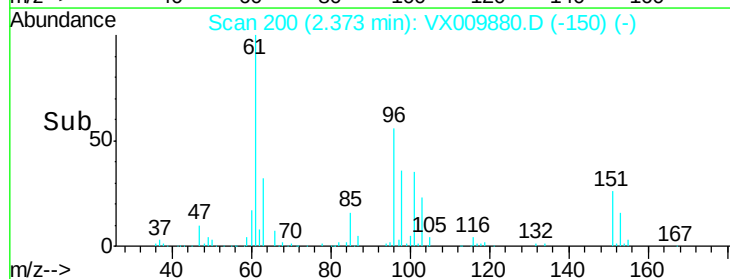
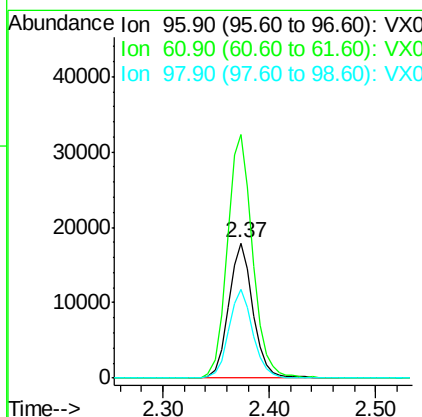
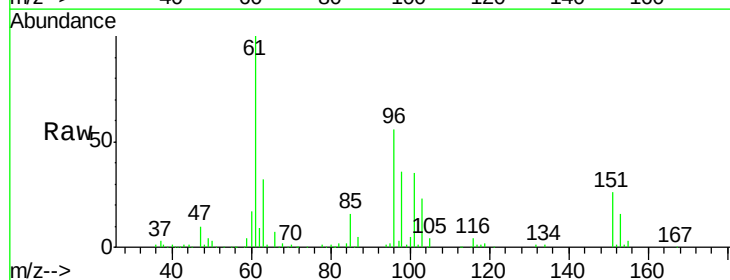
MMDadoda
 5/28/2019 9:52:04 AM

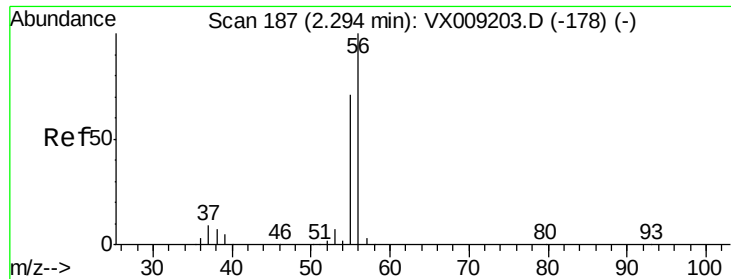


#12

1,1-Dichloroethene
 Concen: 16.772 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.01 min
 Lab File: VX009880.D
 Acq: 24 May 2019 12:40

Tgt Ion	96	Resp	28655
Ion	Ratio	Lower	Upper
96	100		
61	179.9	144.3	216.5
98	65.5	50.3	75.5





#13

Acrolein

Concen: 78.391 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009880.D

Acq: 24 May 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VX0524MBS01

Tot Ion: 56 Resp: 40849

Ion Ratio Lower Upper

56 100

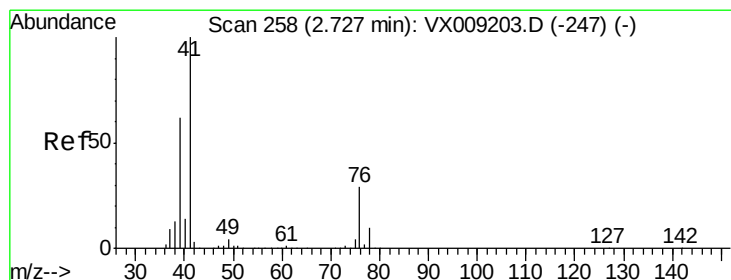
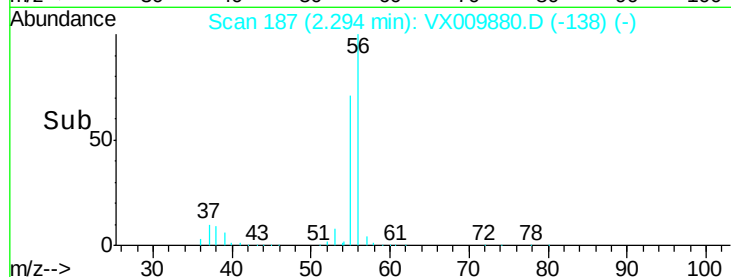
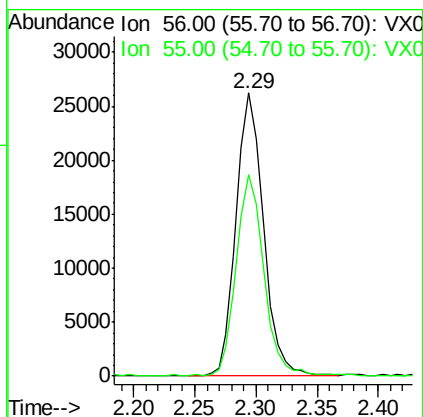
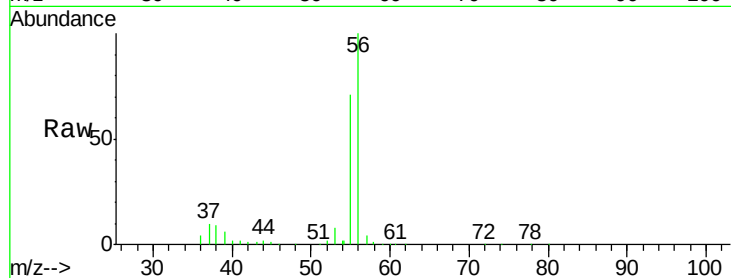
55 72.4 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 17.500 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009880.D

Acq: 24 May 2019 12:40

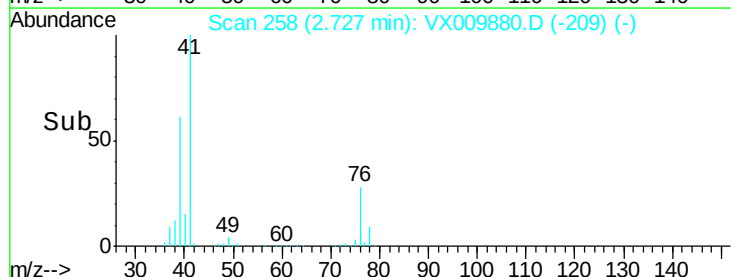
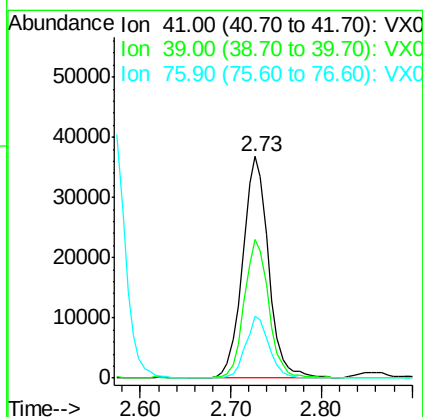
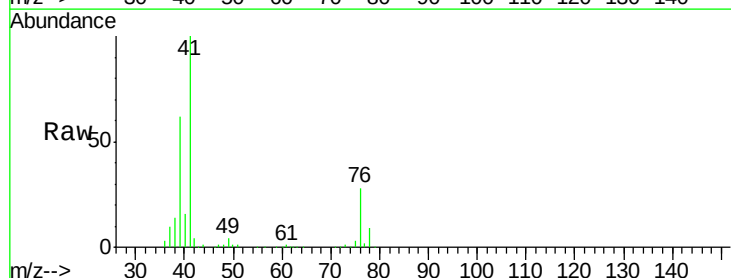
Tgt Ion: 41 Resp: 72867

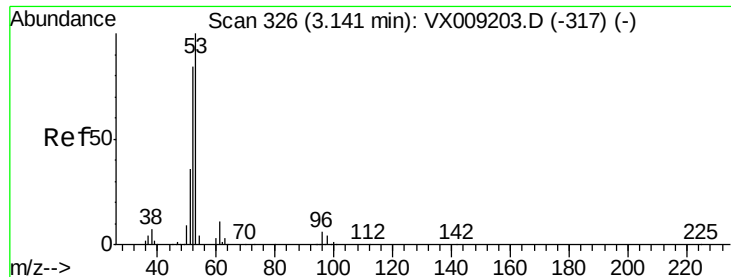
Ion Ratio Lower Upper

41 100

39 58.2 46.7 70.1

76 24.6 21.8 32.8





#15

Acrylonitrile

Concen: 88.098 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009880.D

Acq: 24 May 2019 12:40

Instrument :

MSVOA_X

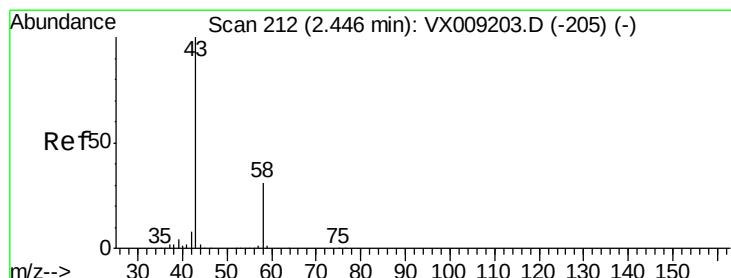
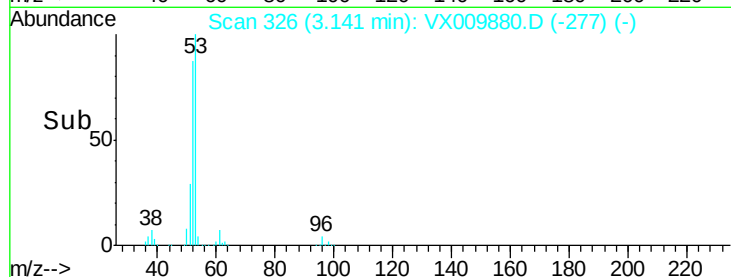
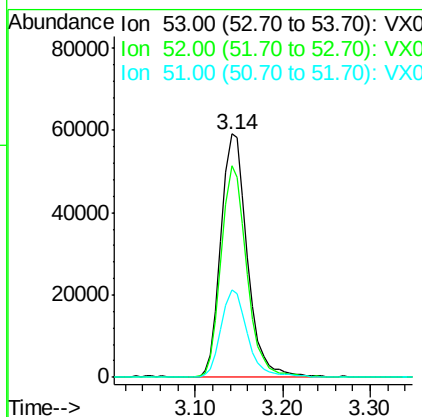
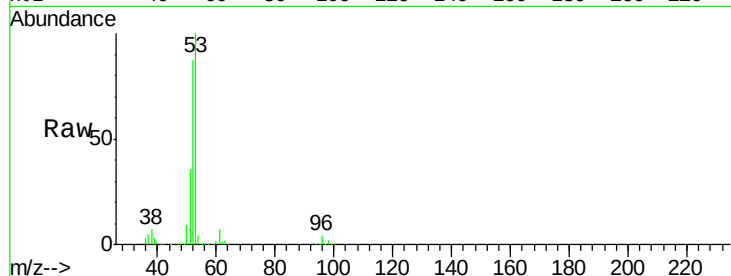
ClientSampleId :

VX0524MBS01

Tot Ion:	53	Resp:	123943
Ion Ratio	Lower	Upper	
53	100		
52	84.7	66.9	100.3
51	36.1	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 92.432 ug/l

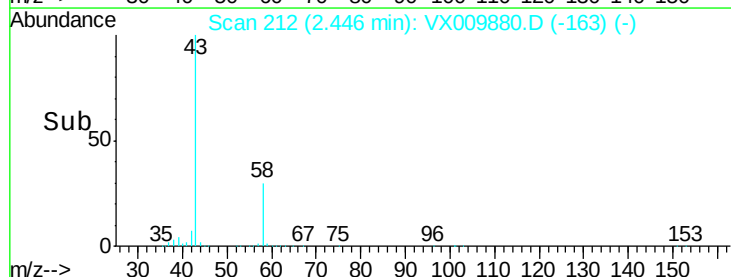
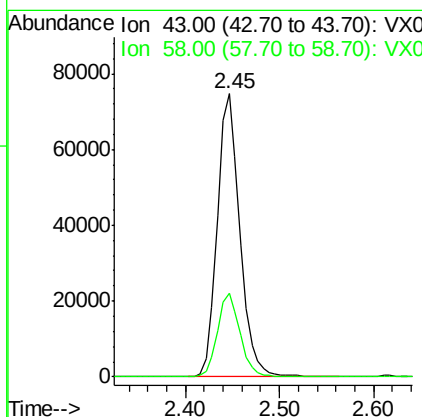
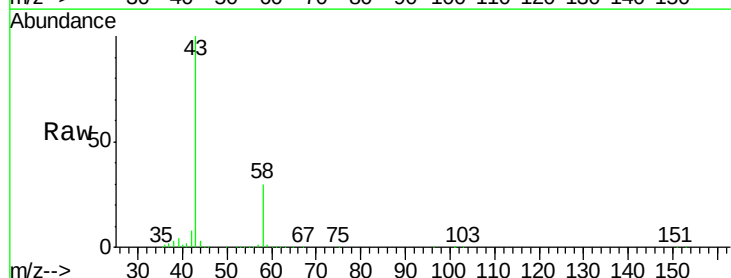
RT: 2.45 min Scan# 212

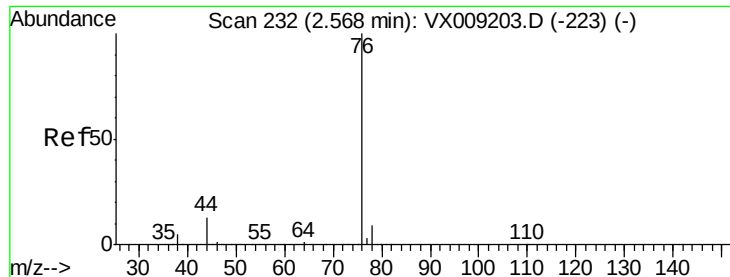
Delta R.T. 0.00 min

Lab File: VX009880.D

Acq: 24 May 2019 12:40

Tgt Ion:	43	Resp:	123374
Ion Ratio	Lower	Upper	
43	100		
58	29.5	24.9	37.3





#17

Carbon Disulfide

Concen: 16.169 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009880.D

Acq: 24 May 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VX0524MBS01

Tot Ion: 76 Resp: 77560

Ion Ratio Lower Upper

76 100

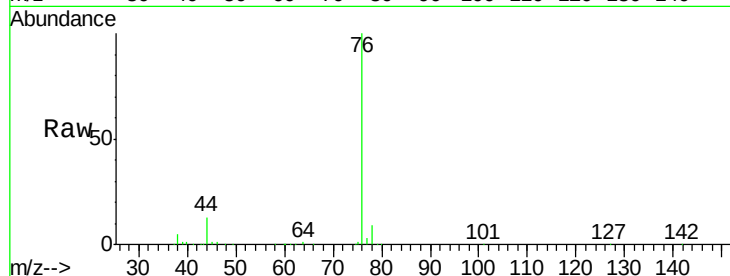
78 8.8 7.4 11.0

Manual Integrations

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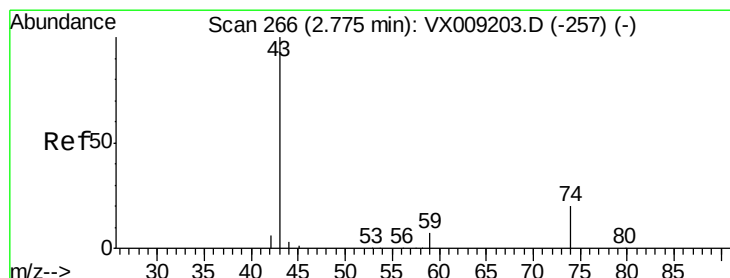
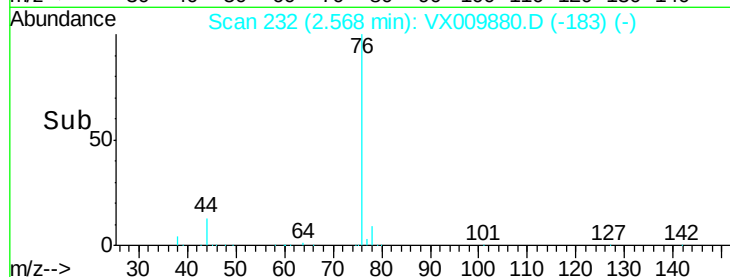
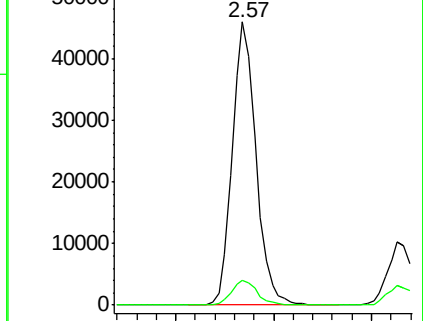
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5/28/2019 9:52:04 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 17.397 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009880.D

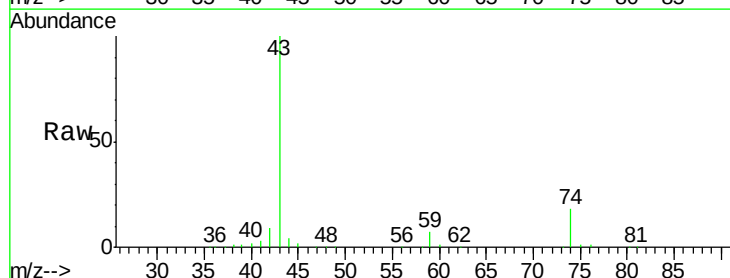
Acq: 24 May 2019 12:40

Tgt Ion: 43 Resp: 55225

Ion Ratio Lower Upper

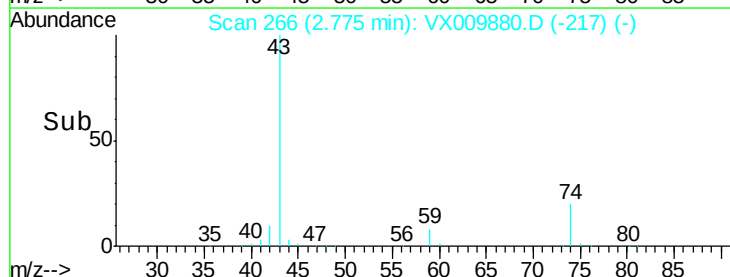
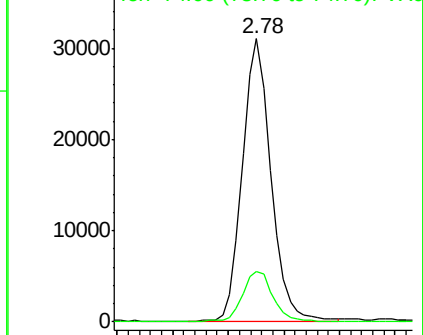
43 100

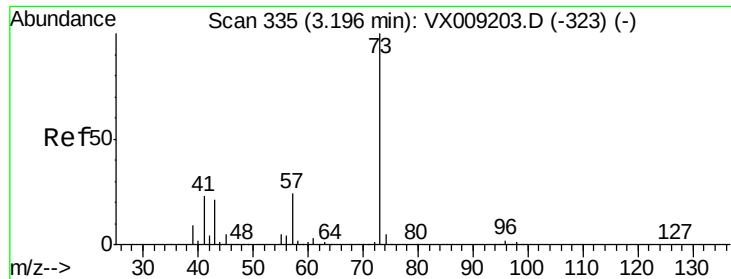
74 19.5 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





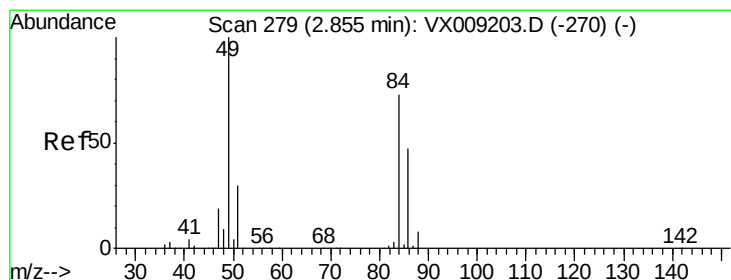
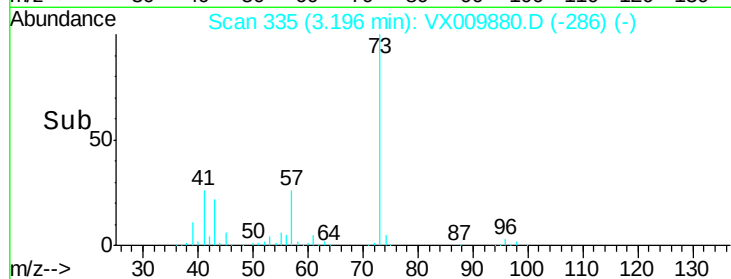
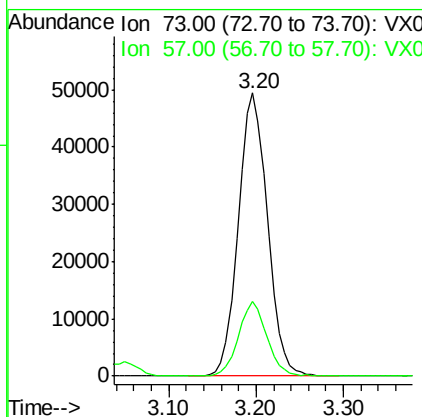
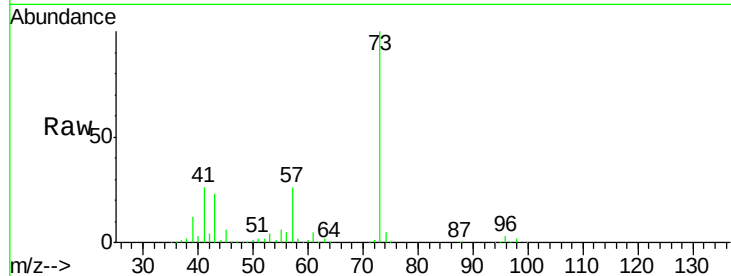
#19
Methyl tert-butyl Ether
Concen: 17.257 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009880.D
Acq: 24 May 2019 12:40

Instrument :
MSVOA_X
ClientSampleId :
VX0524MBS01

Tot Ion	73	Resp	114493
Ion Ratio	100	Lower	Upper
73	100	19.3	28.9
57	26.3		

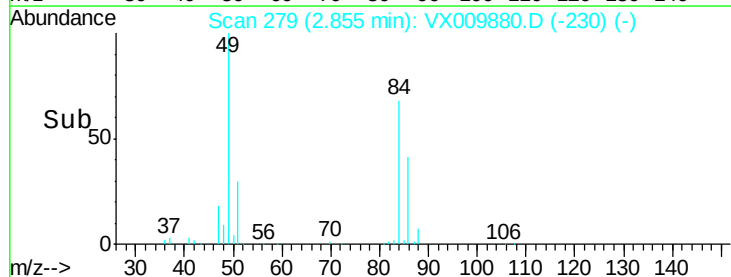
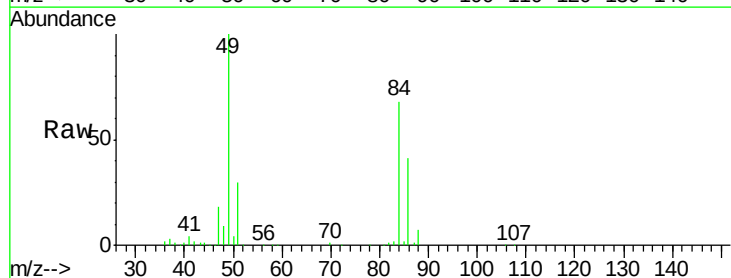
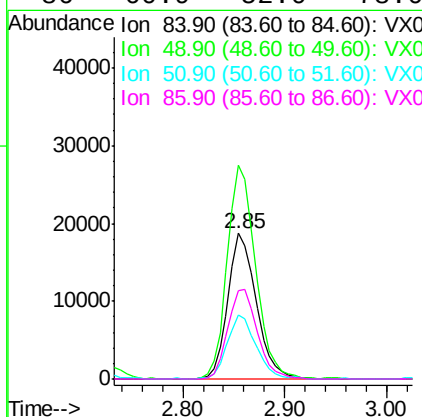
Manual Integrations
APPROVED

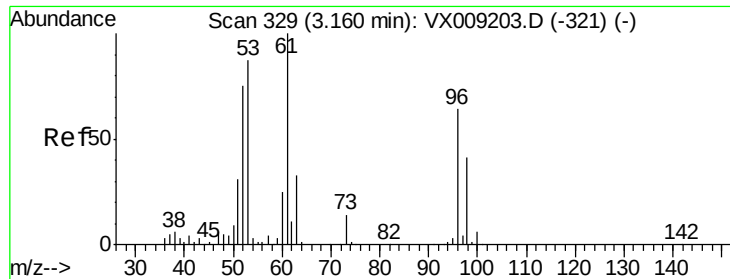
MMDadoda
5/28/2019 9:52:04 AM



#20
Methylene Chloride
Concen: 16.755 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009880.D
Acq: 24 May 2019 12:40

Tgt Ion	84	Resp	36210
Ion Ratio	100	Lower	Upper
84	100	109.9	164.9
49	146.7	32.7	49.1
51	44.4	52.0	78.0
86	60.9		





#21

trans-1,2-Dichloroethene

Concen: 17.193 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009880.D

Acq: 24 May 2019 12:40

Instrument :

MSVOA_X

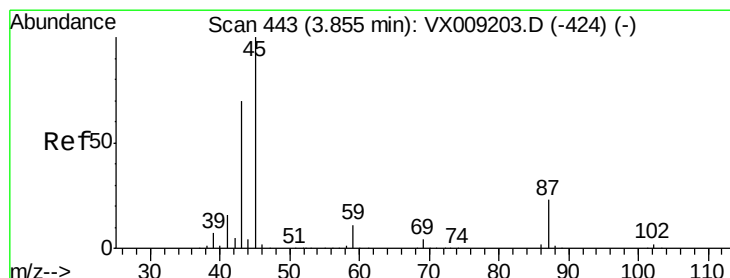
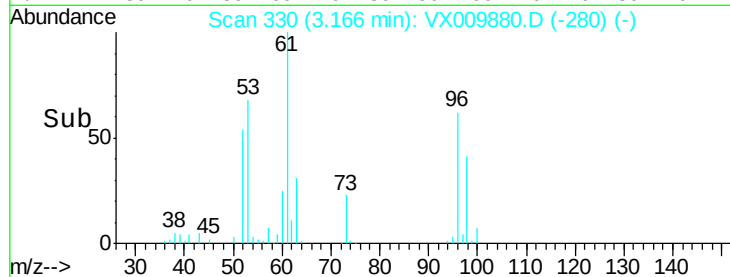
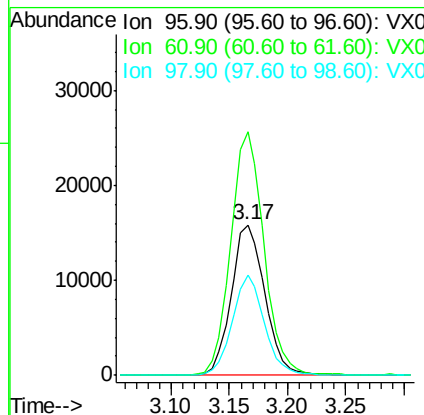
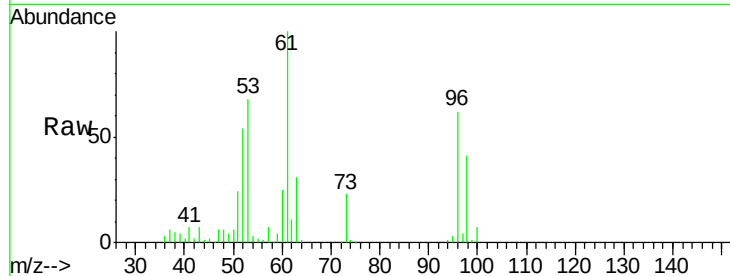
ClientSampleId :

VX0524MBS01

Tot Ion:	96	Resp:	31857
Ion	Ratio	Lower	Upper
96	100		
61	161.1	124.5	186.7
98	66.6	50.4	75.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 17.971 ug/l

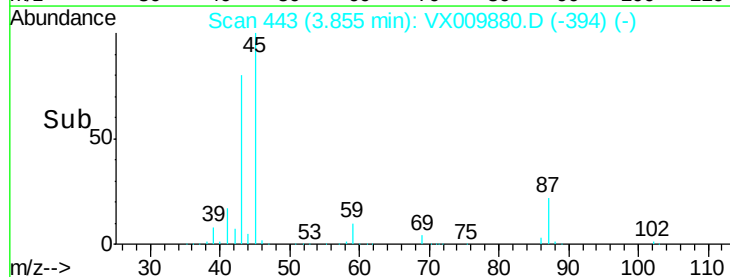
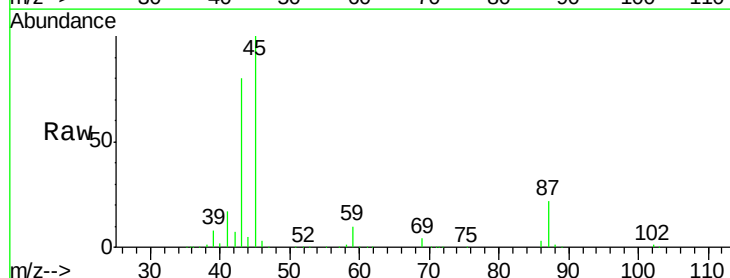
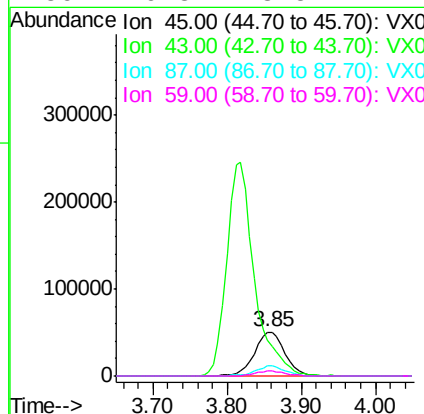
RT: 3.85 min Scan# 443

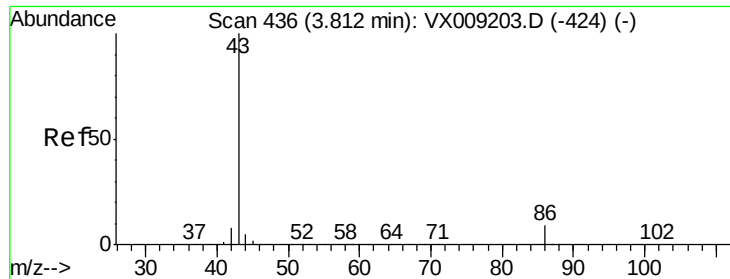
Delta R.T. 0.00 min

Lab File: VX009880.D

Acq: 24 May 2019 12:40

Tgt Ion:	45	Resp:	143902
Ion	Ratio	Lower	Upper
45	100		
43	80.4	56.1	84.1
87	22.1	18.1	27.1
59	10.3	8.5	12.7





#23

Vinyl Acetate

Concen: 93.447 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX009880.D

Acq: 24 May 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VX0524MBS01

Tot Ion: 43 Resp: 640743

Ion Ratio Lower Upper

43 100

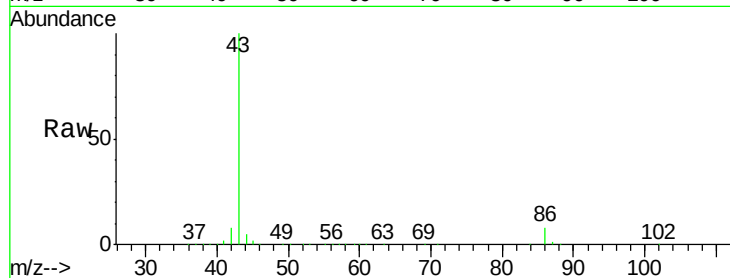
86 8.2 6.9 10.3

Manual Integrations

APPROVED

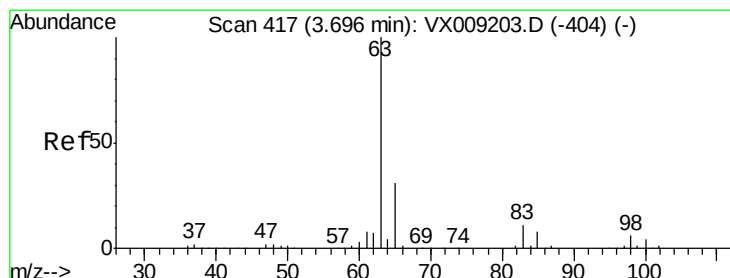
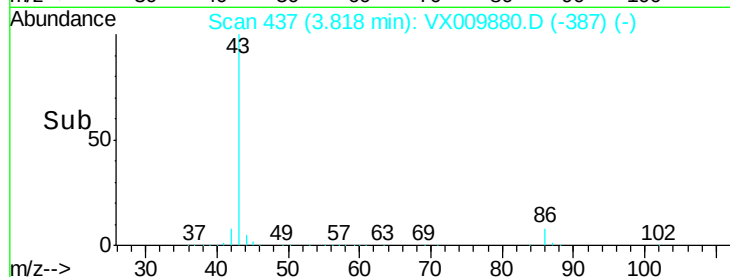
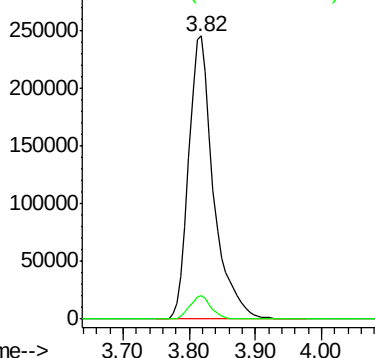
MMDadoda

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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: 17.253 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009880.D

Acq: 24 May 2019 12:40

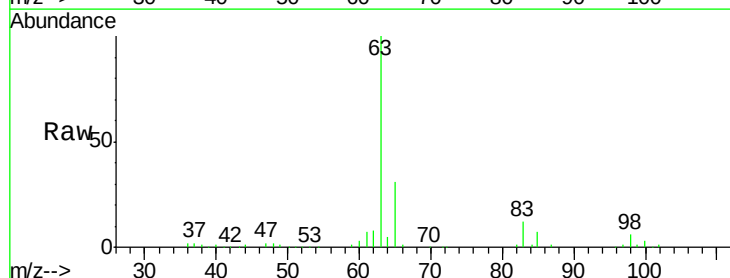
Tgt Ion: 63 Resp: 68150

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

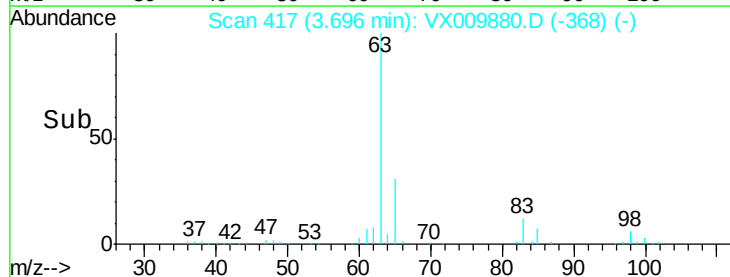
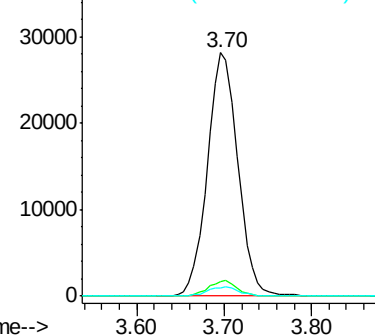
100 3.4 2.0 6.0

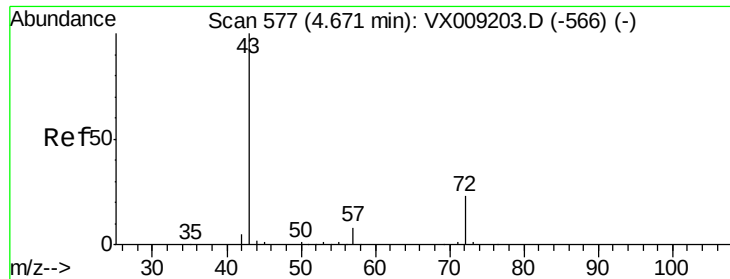


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 93.447 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009880.D

Acq: 24 May 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VX0524MBS01

Tot Ion: 43 Resp: 193825

Ion Ratio Lower Upper

43 100

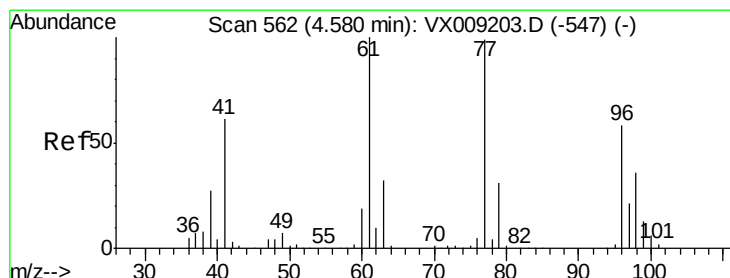
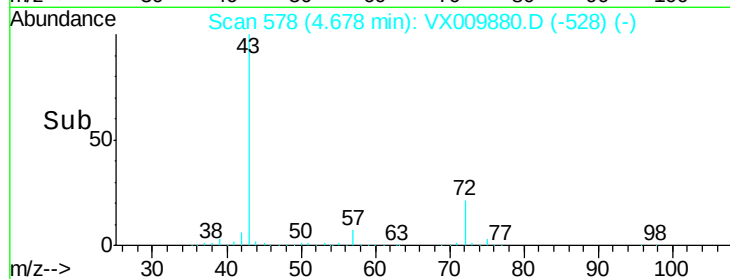
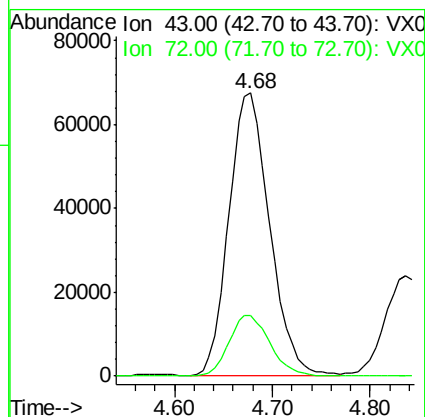
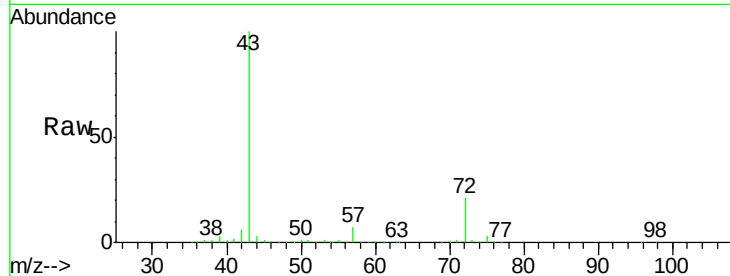
72 21.3 18.2 27.2

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#26

2,2-Dichloropropane

Concen: 16.801 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009880.D

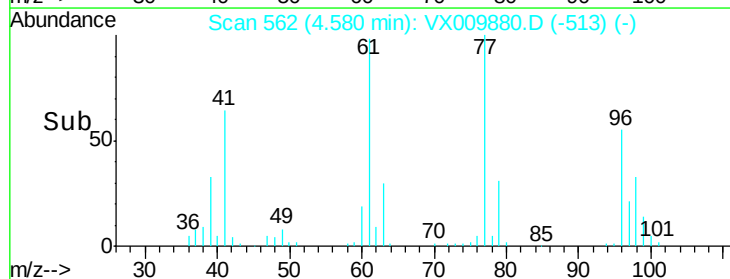
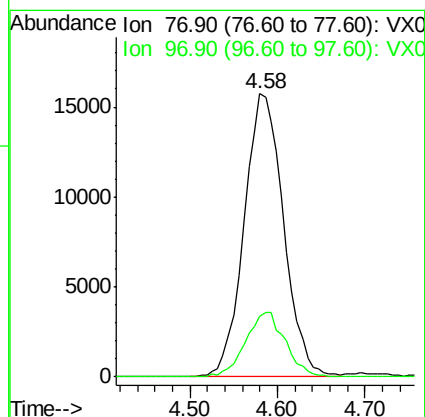
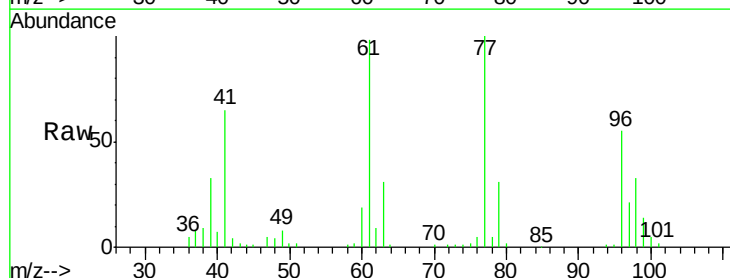
Acq: 24 May 2019 12:40

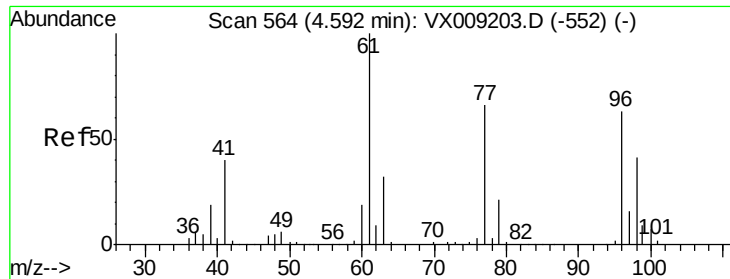
Tgt Ion: 77 Resp: 49400

Ion Ratio Lower Upper

77 100

97 22.8 11.5 34.4





#27

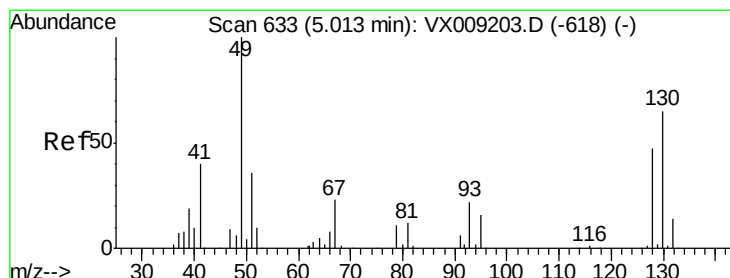
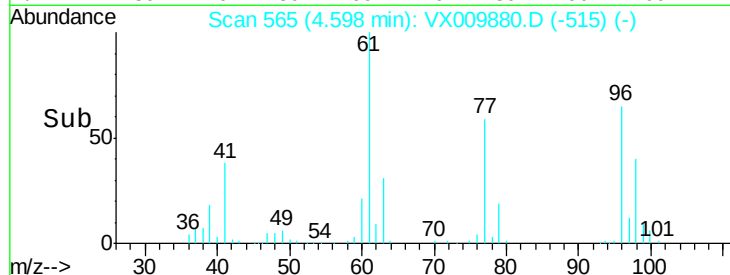
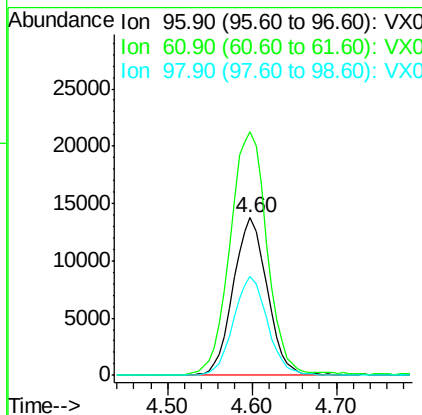
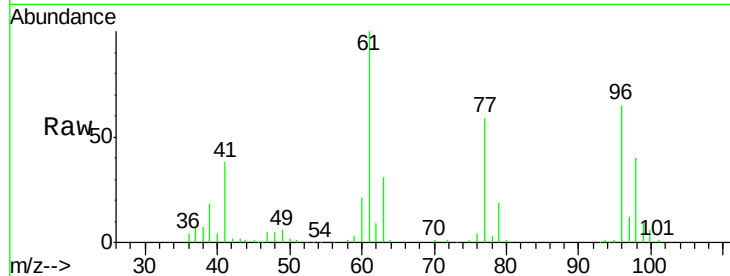
cis-1,2-Dichloroethene
Concen: 17.001 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009880.D
Acq: 24 May 2019 12:40

Instrument :
MSVOA_X
ClientSampleId :
VX0524MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	168.7	0.0	324.0
98	62.5	0.0	130.4

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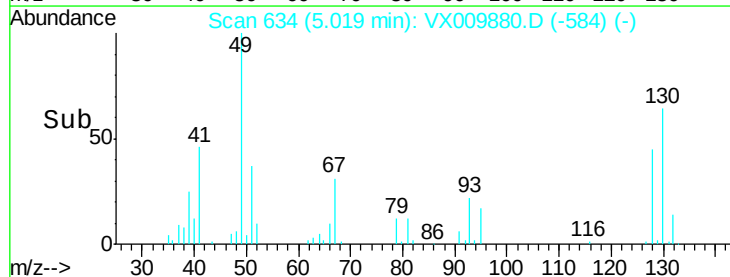
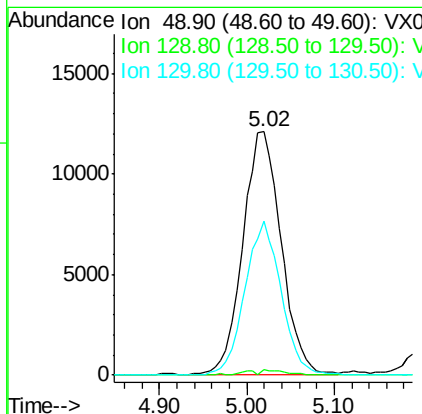
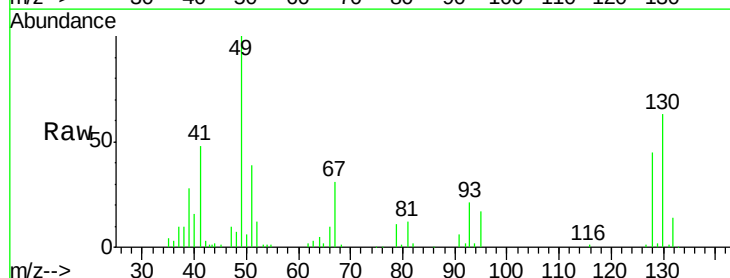
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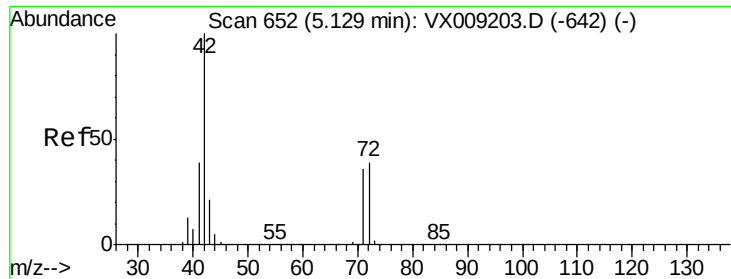


#28

Bromochloromethane
Concen: 21.715 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009880.D
Acq: 24 May 2019 12:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.8
130	59.6	51.2	76.8





#29

Tetrahydrofuran

Concen: 93.647 ug/l

RT: 5.13 min Scan# 653

Delta R.T. 0.01 min

Lab File: VX009880.D

Acq: 24 May 2019 12:40

Instrument :

MSVOA_X

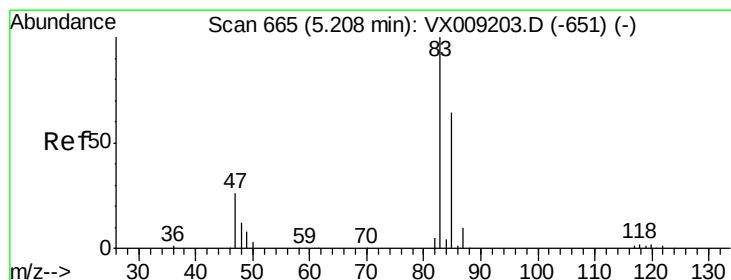
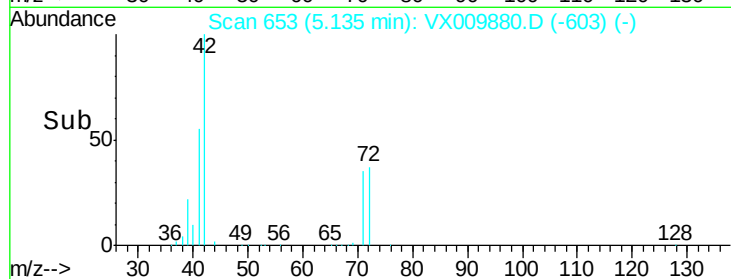
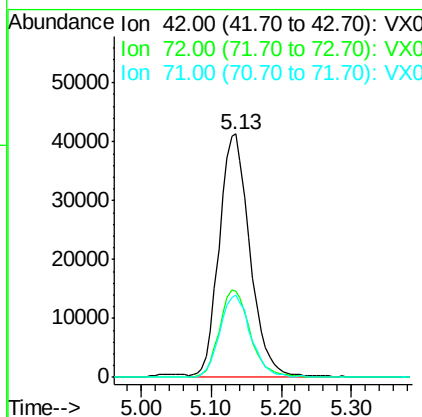
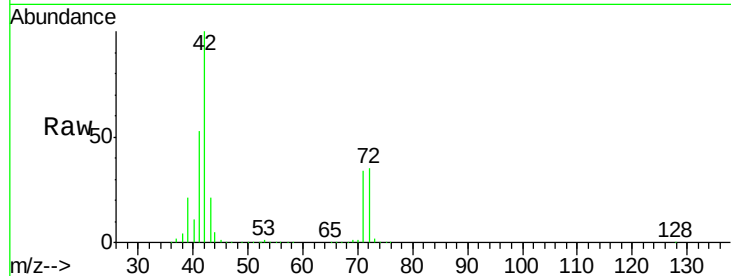
ClientSampleId :

VX0524MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.4	30.4	45.6
71	34.1	28.6	43.0

Manual Integrations
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#30

Chloroform

Concen: 17.145 ug/l

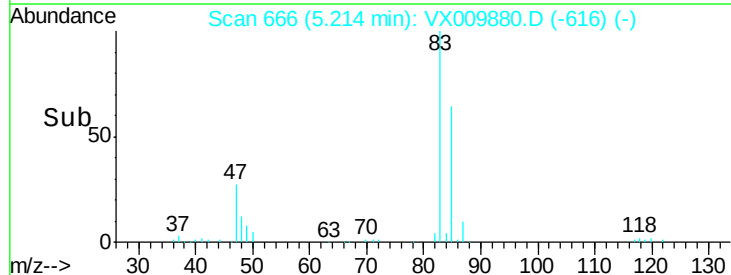
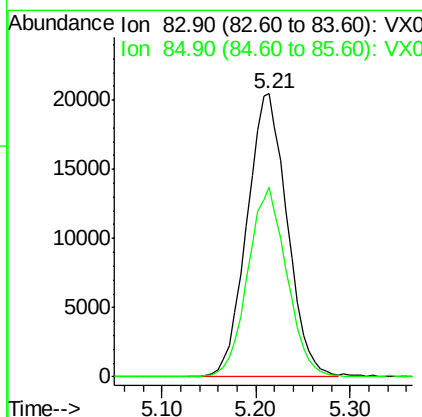
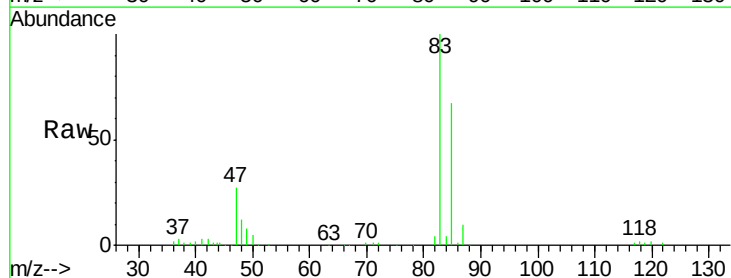
RT: 5.21 min Scan# 666

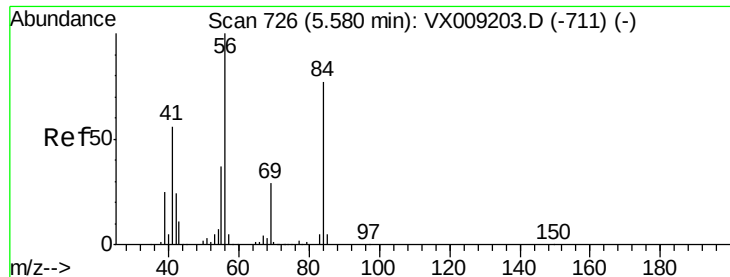
Delta R.T. 0.01 min

Lab File: VX009880.D

Acq: 24 May 2019 12:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.1	51.5	77.3





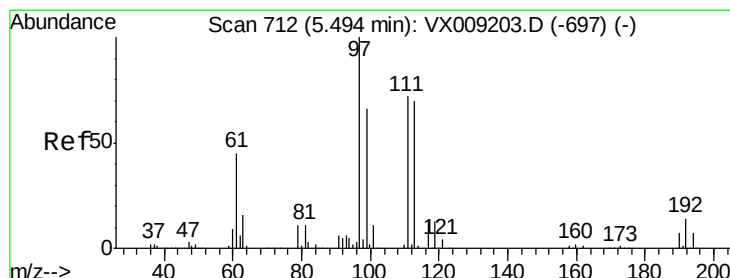
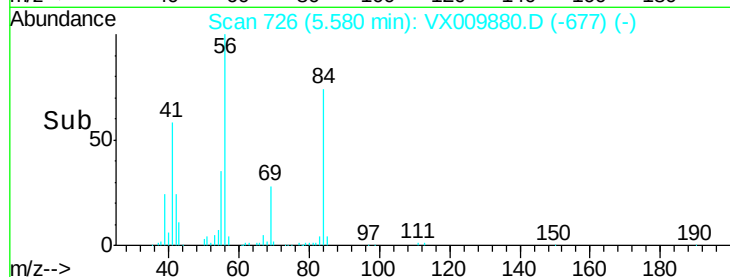
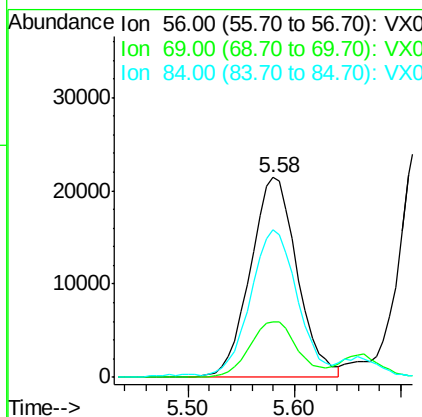
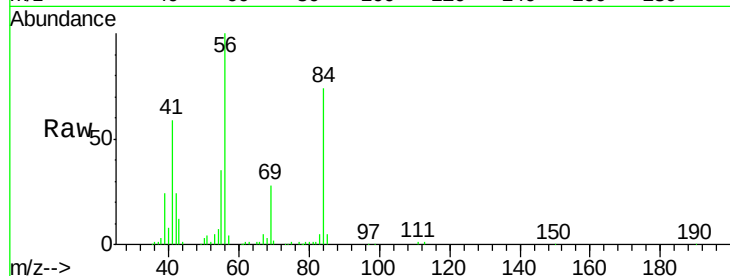
#31
Cyclohexane
Concen: 17.926 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX009880.D
Acq: 24 May 2019 12:40

Instrument :
MSVOA_X
ClientSampleId :
VX0524MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.7	23.4	35.0
84	72.7	61.9	92.9

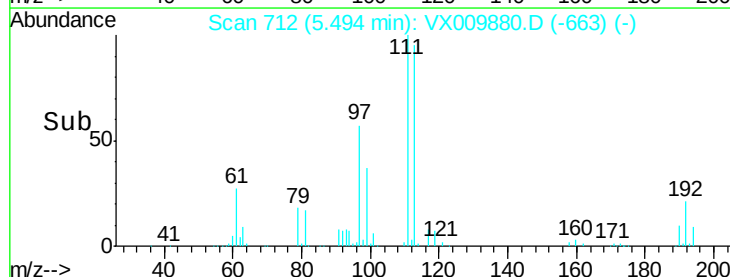
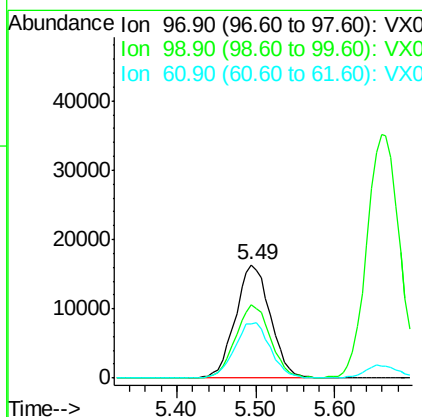
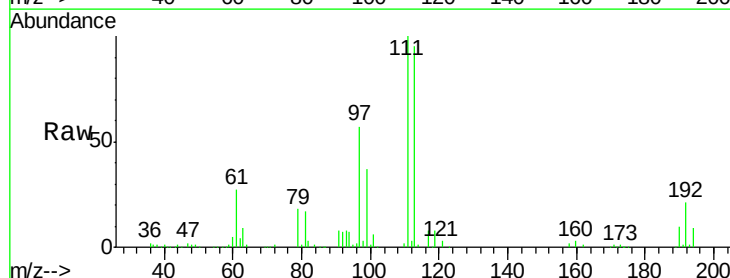
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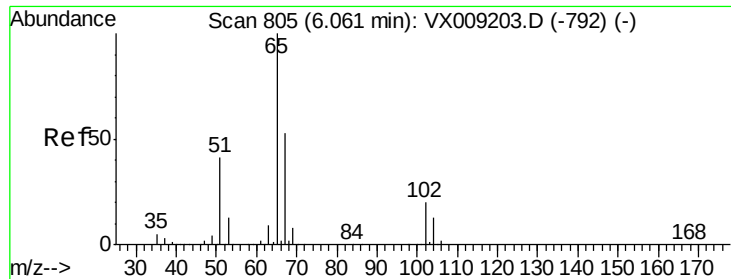
MMDadoda
5/28/2019 9:52:04 AM



#32
1,1,1-Trichloroethane
Concen: 16.935 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX009880.D
Acq: 24 May 2019 12:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.8	77.8
61	49.8	37.8	56.8





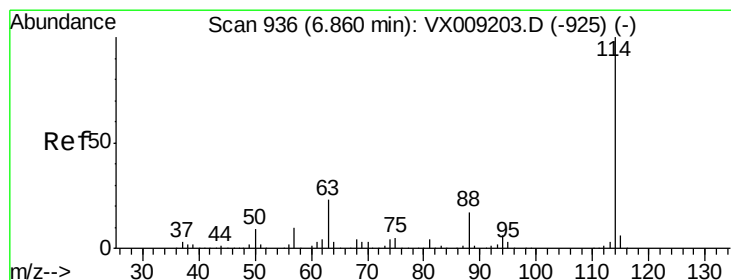
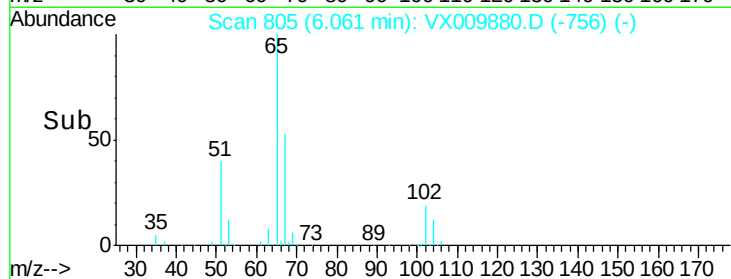
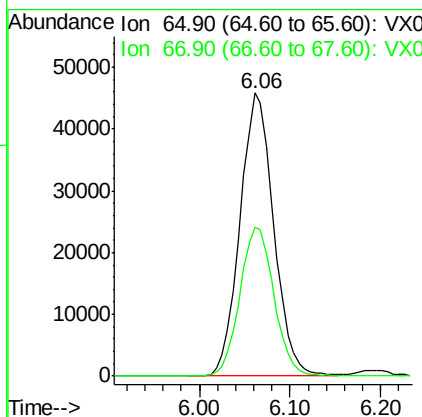
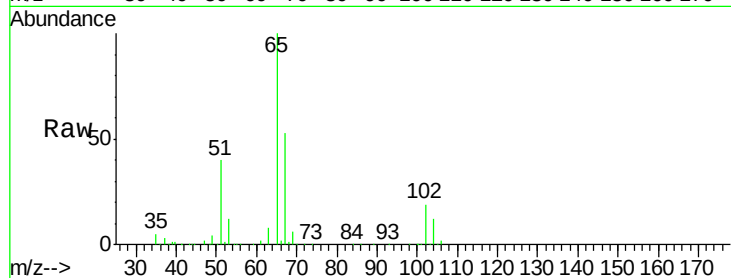
#33
 1,2-Dichloroethane-d4
 Concen: 47.485 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009880.D
 Acq: 24 May 2019 12:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0524MBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	106.6

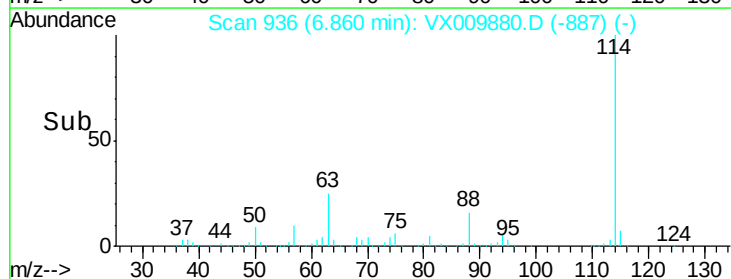
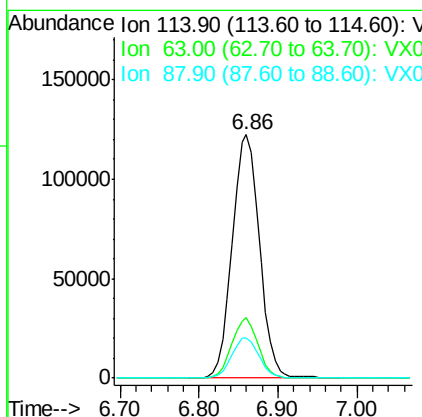
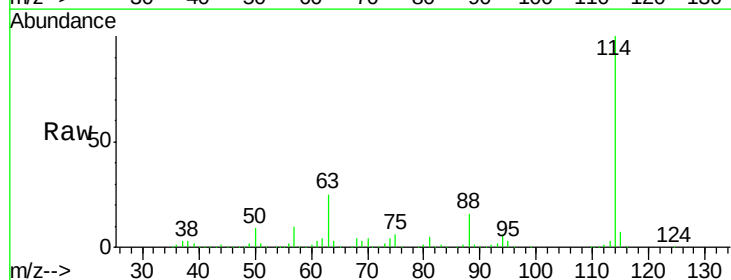
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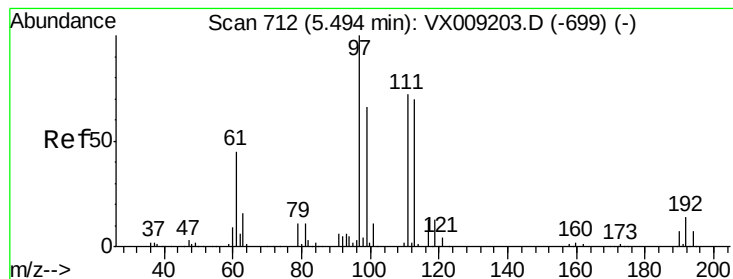
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009880.D
 Acq: 24 May 2019 12:40

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.7	0.0	45.6
88	16.5	0.0	33.2





#35

Dibromofluoromethane

Concen: 44.389 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009880.D

Acq: 24 May 2019 12:40

Instrument :

MSVOA_X

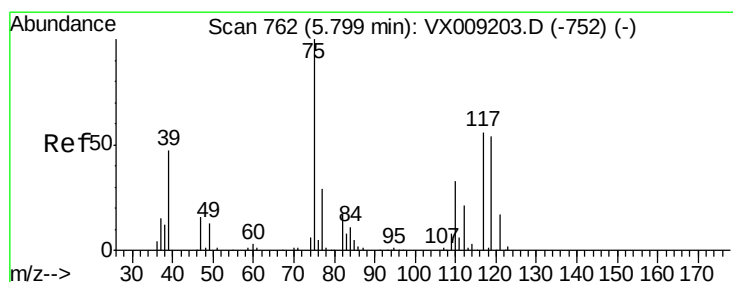
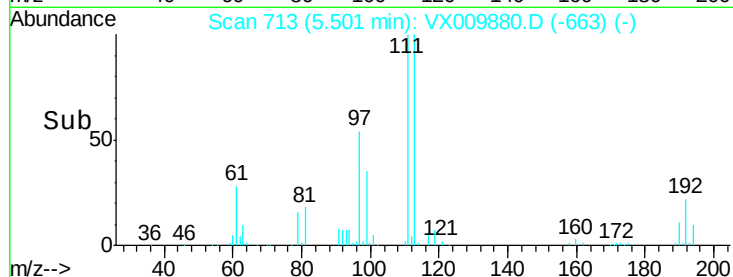
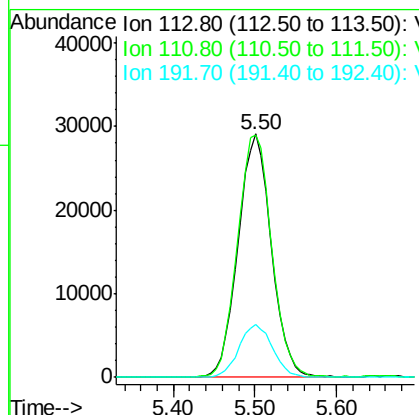
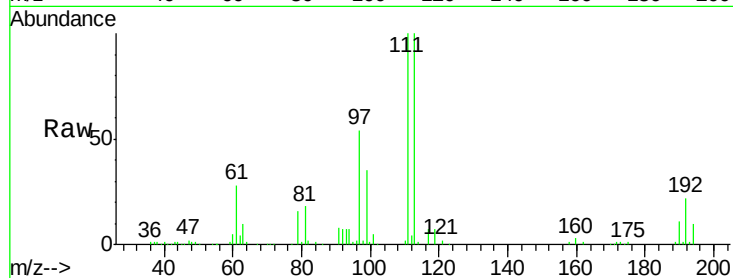
ClientSampleId :

VX0524MBS01

Tot Ion:	113	Resp:	82213
Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.8	124.2
192	21.9	17.0	25.6

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#36

1,1-Dichloropropene

Concen: 17.198 ug/l

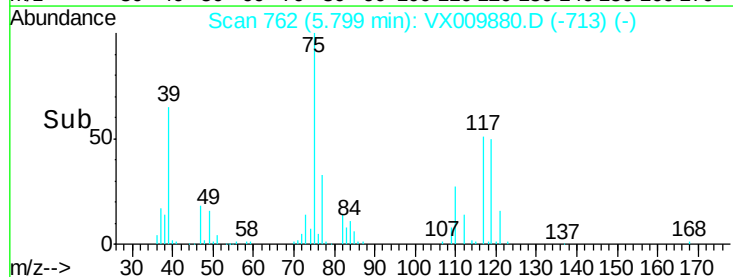
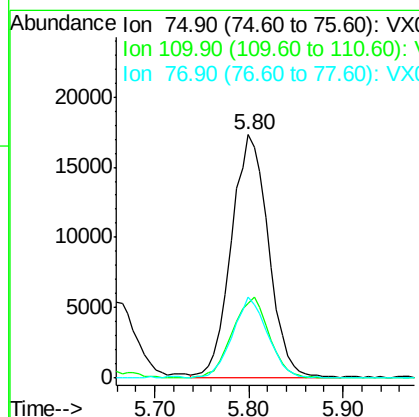
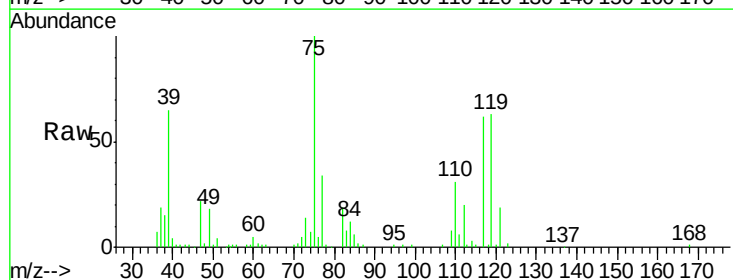
RT: 5.80 min Scan# 762

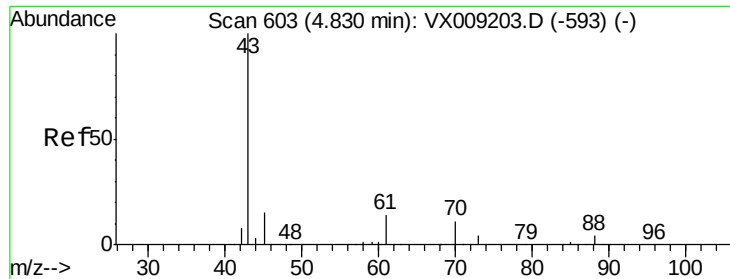
Delta R.T. 0.00 min

Lab File: VX009880.D

Acq: 24 May 2019 12:40

Tgt Ion:	75	Resp:	47086
Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.9	50.6
77	31.8	24.8	37.2





#37

Ethyl Acetate

Concen: 18.783 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX009880.D

Acq: 24 May 2019 12:40

Instrument :

MSVOA_X

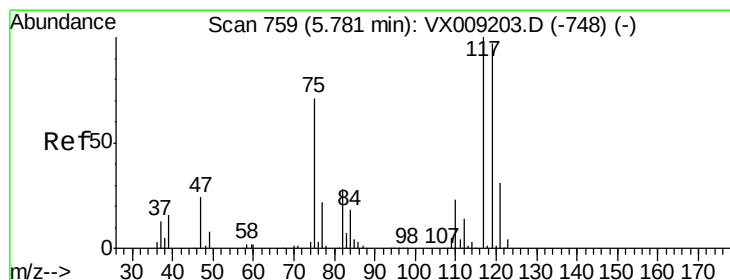
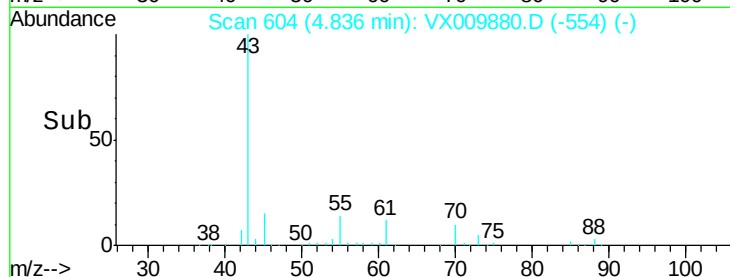
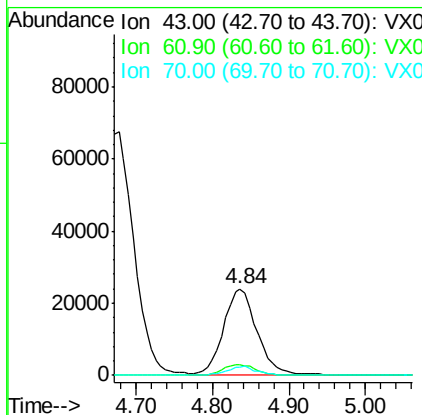
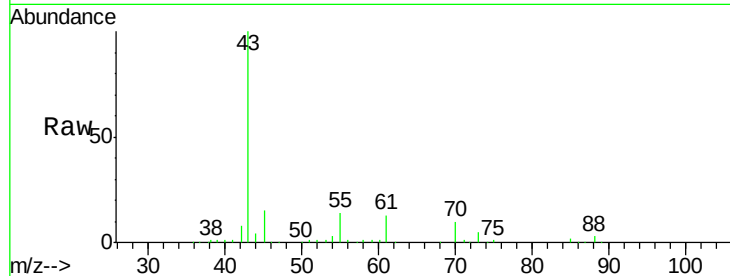
ClientSampleId :

VX0524MBS01

Tot Ion:	43	Resp:	71652
Ion	Ratio	Lower	Upper
43	100		
61	11.9	10.5	15.7
70	9.5	7.9	11.9

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#38

Carbon Tetrachloride

Concen: 16.331 ug/l

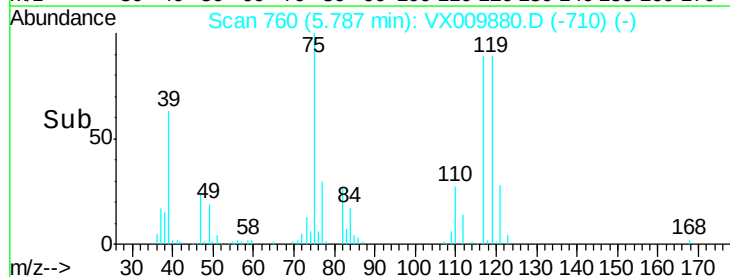
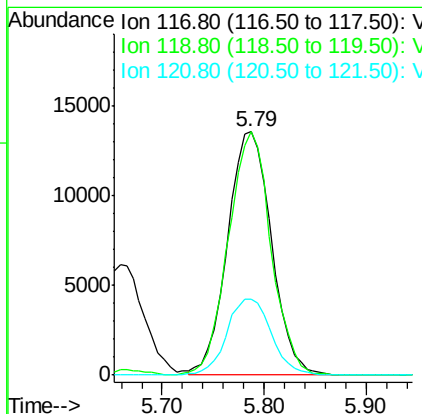
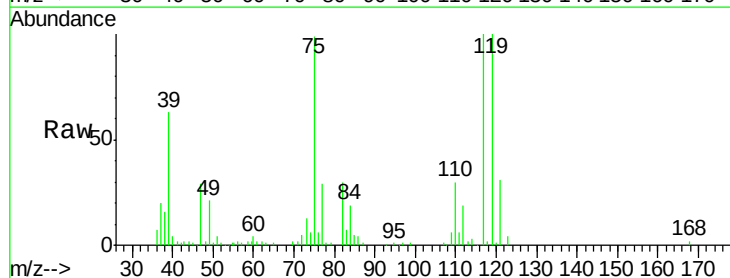
RT: 5.79 min Scan# 760

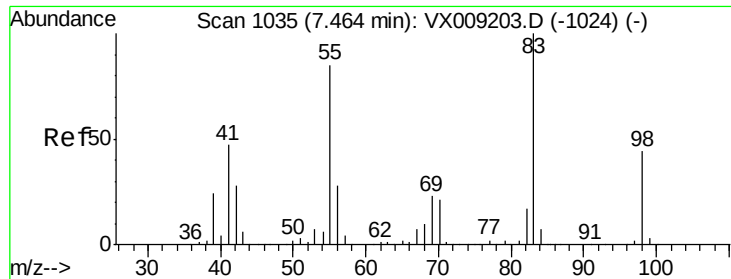
Delta R.T. 0.01 min

Lab File: VX009880.D

Acq: 24 May 2019 12:40

Tgt Ion:	117	Resp:	40624
Ion	Ratio	Lower	Upper
117	100		
119	100.2	77.5	116.3
121	31.3	24.7	37.1





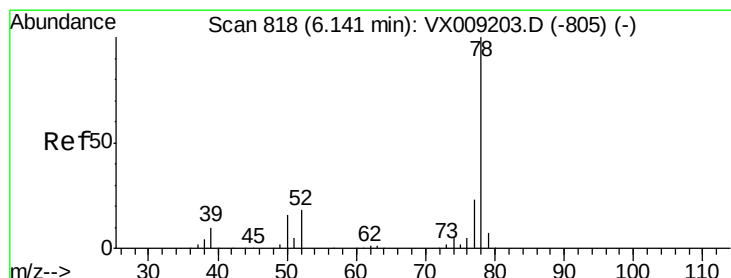
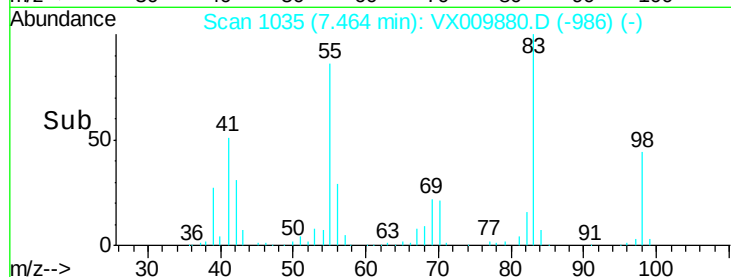
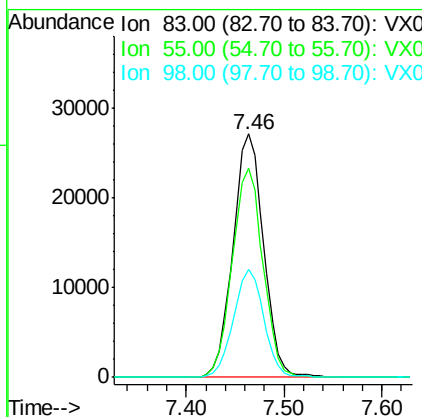
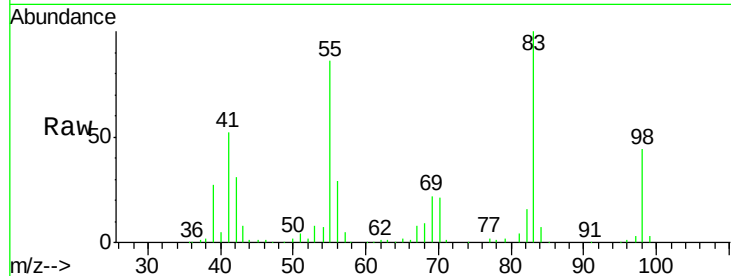
#39
Methylvlcyclohexane
Concen: 17.529 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009880.D
Acq: 24 May 2019 12:40

Instrument :
MSVOA_X
ClientSampleId :
VX0524MBS01

Tot Ion	83	Resp	58941
Ion	Ratio	Lower	Upper
83	100		
55	85.6	67.7	101.5
98	44.2	35.5	53.3

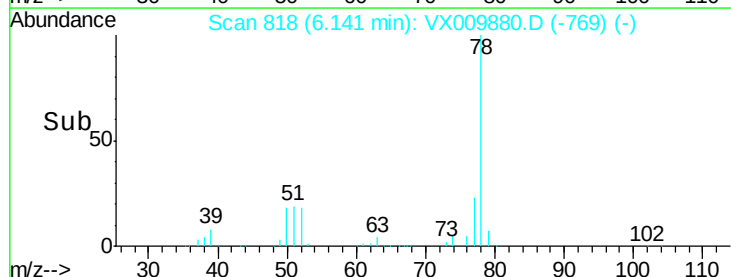
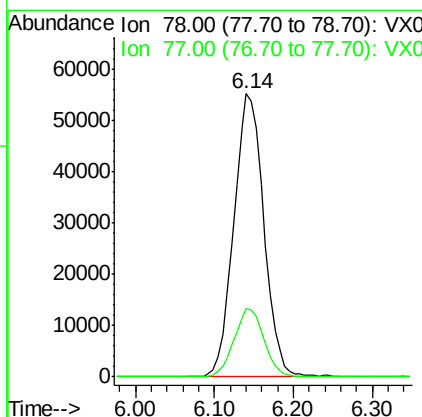
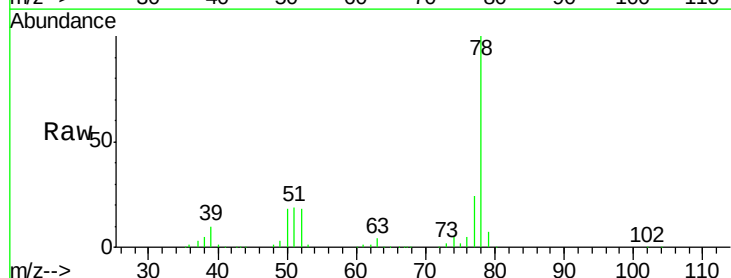
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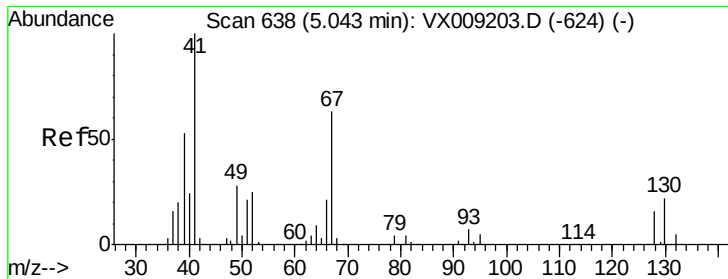
MMDadoda
5/28/2019 9:52:04 AM



#40
Benzene
Concen: 17.189 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009880.D
Acq: 24 May 2019 12:40

Tgt Ion	78	Resp	145652
Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2





#41

Methacrylonitrile

Concen: 17.383 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX009880.D

Acq: 24 May 2019 12:40

Instrument :

MSVOA_X

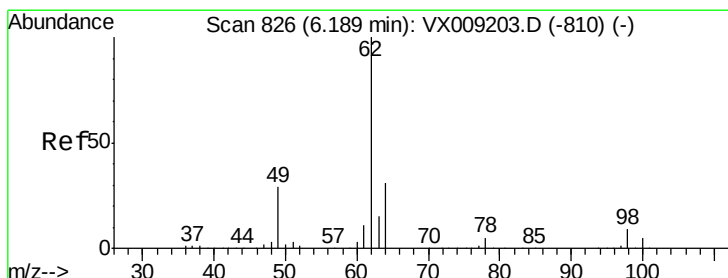
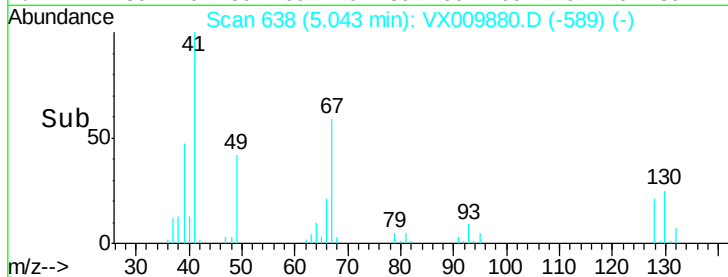
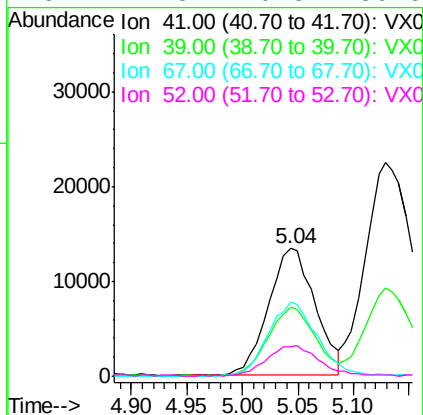
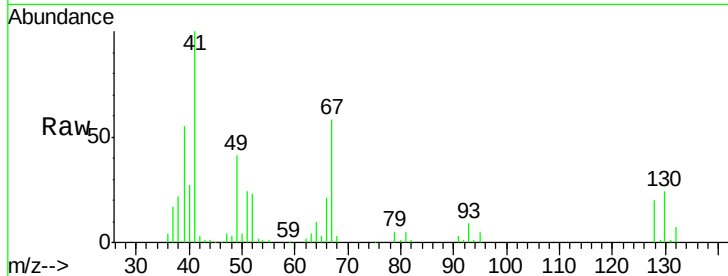
ClientSampleId :

VX0524MBS01

Tot Ion:	41	Resp:	39473
Ion	Ratio	Lower	Upper
41	100		
39	55.2	42.0	63.0
67	61.8	49.8	74.8
52	27.3	20.3	30.5

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 18.141 ug/l

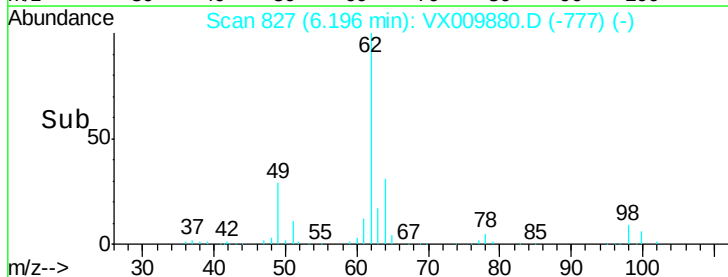
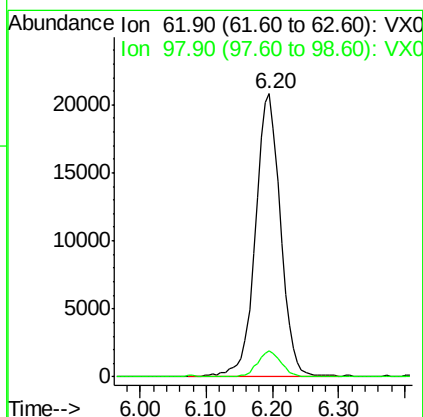
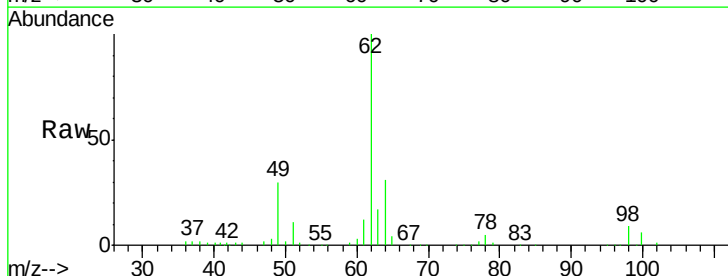
RT: 6.20 min Scan# 827

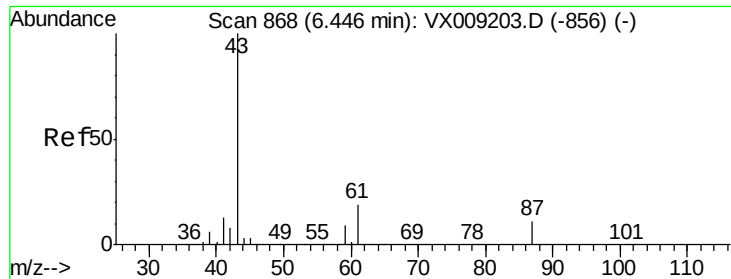
Delta R.T. 0.01 min

Lab File: VX009880.D

Acq: 24 May 2019 12:40

Tgt Ion:	62	Resp:	55140
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2





#43

Isopropyl Acetate

Concen: 18.140 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX009880.D

Acq: 24 May 2019 12:40

Instrument :

MSVOA_X

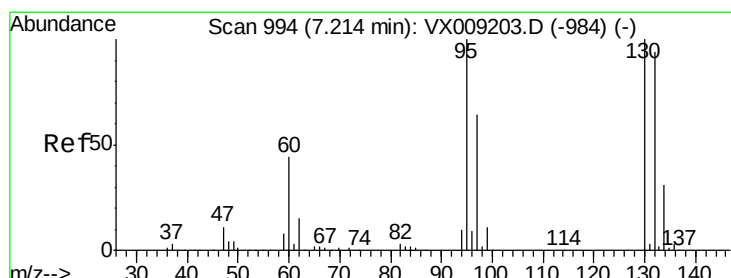
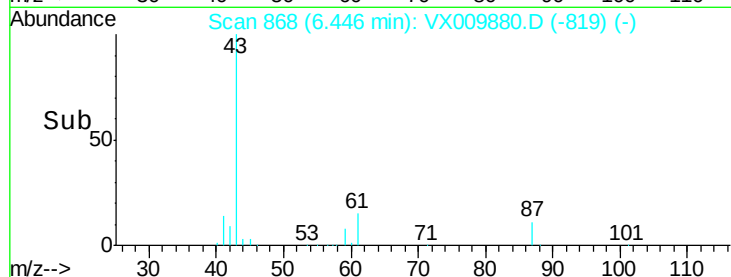
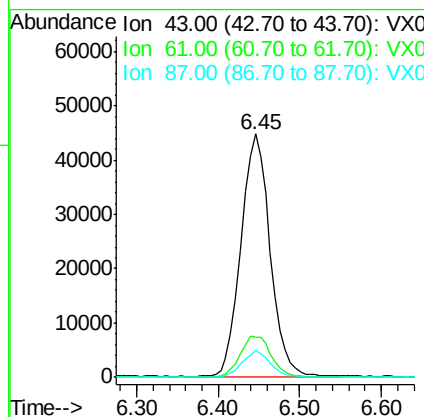
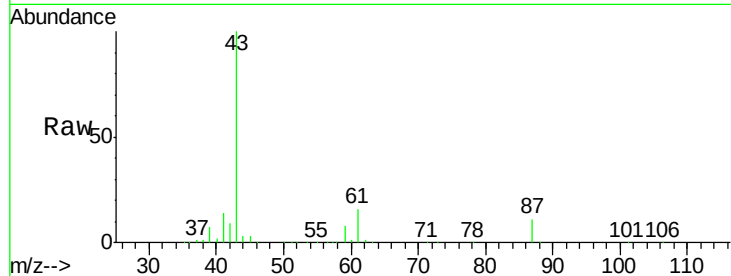
ClientSampleId :

VX0524MBS01

Tot Ion:	43	Resp:	110686
Ion	Ratio	Lower	Upper
43	100		
61	18.3	15.1	22.7
87	10.7	9.0	13.6

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#44

Trichloroethene

Concen: 16.610 ug/l

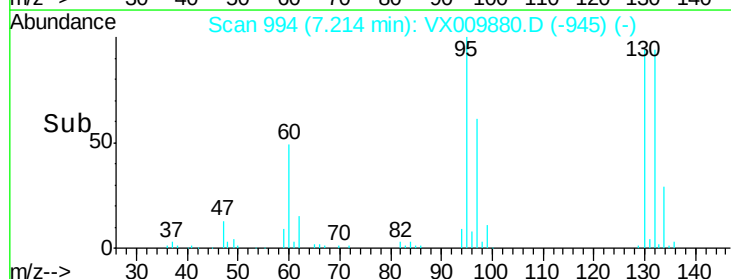
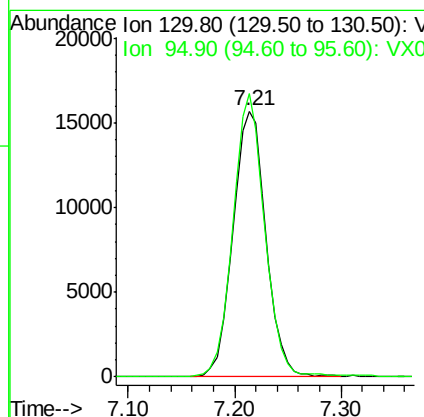
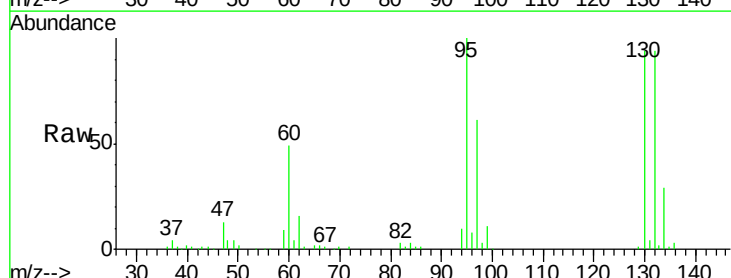
RT: 7.21 min Scan# 994

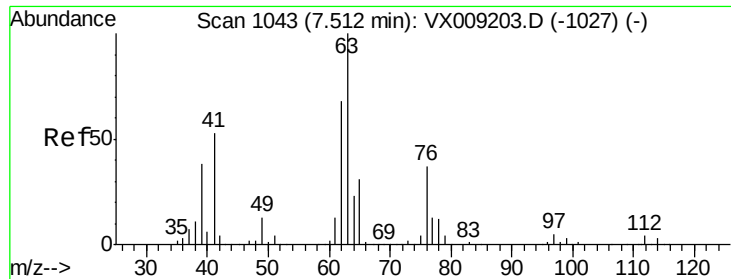
Delta R.T. 0.00 min

Lab File: VX009880.D

Acq: 24 May 2019 12:40

Tgt Ion:	130	Resp:	34025
Ion	Ratio	Lower	Upper
130	100		
95	106.5	0.0	199.2





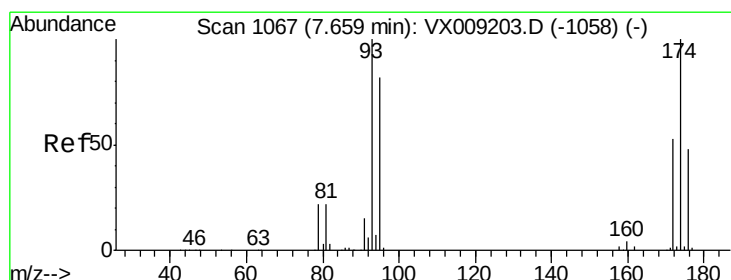
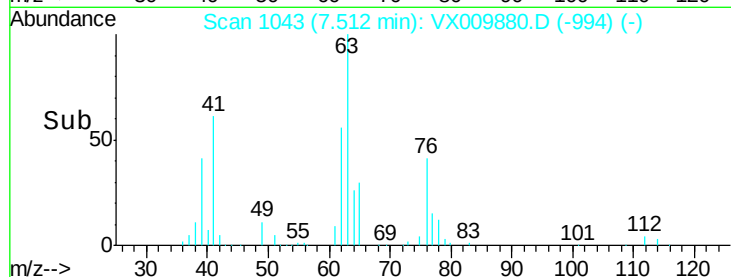
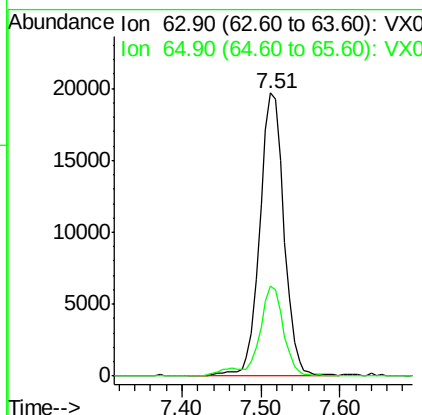
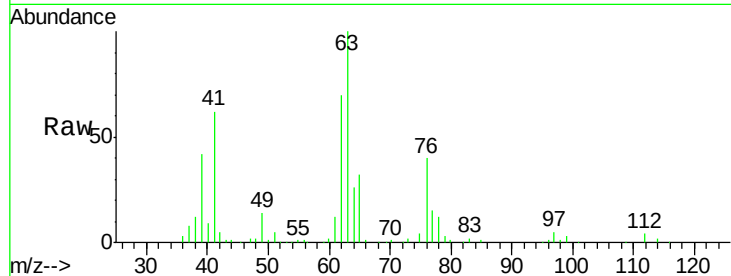
#45
 1,2-Dichloropropane
 Concen: 17.562 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX009880.D
 Acq: 24 May 2019 12:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0524MBS01

Tot Ion: 63 Resp: 42138
 Ion Ratio Lower Upper
 63 100
 65 31.9 25.0 37.6

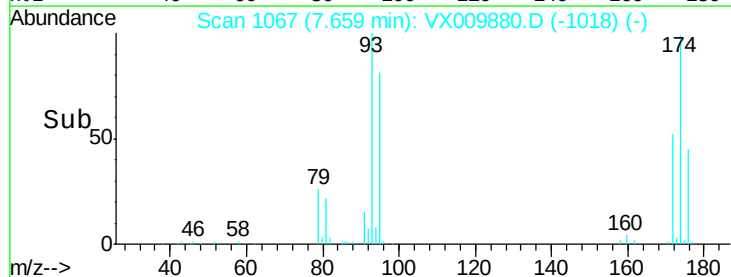
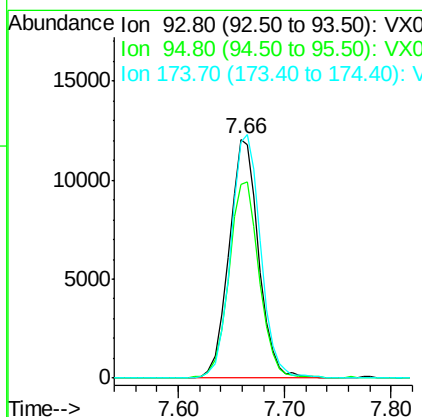
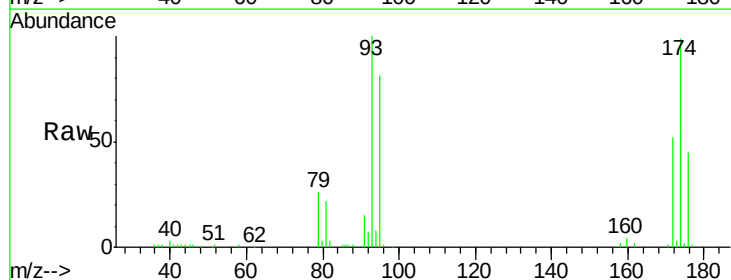
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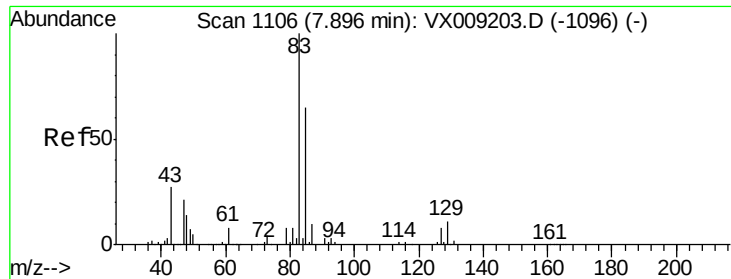
MMDadoda
 5/28/2019 9:52:04 AM



#46
 Dibromomethane
 Concen: 16.851 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009880.D
 Acq: 24 May 2019 12:40

Tgt Ion: 93 Resp: 23479
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.5 99.7
 174 102.8 82.1 123.1





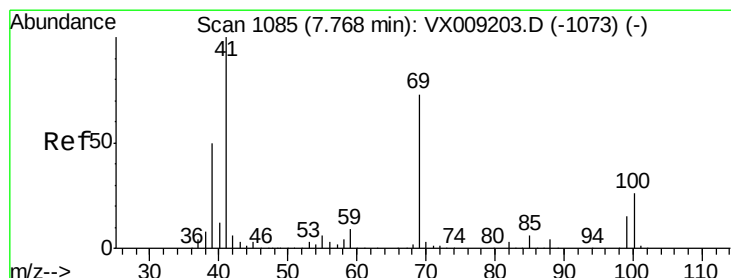
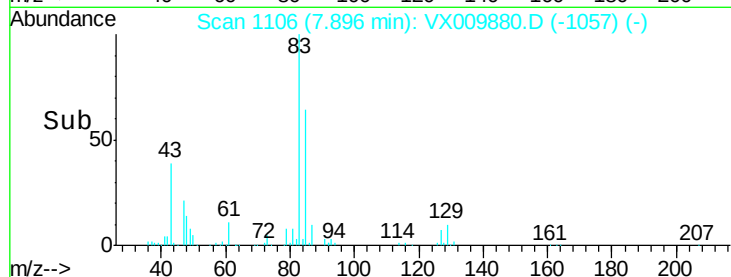
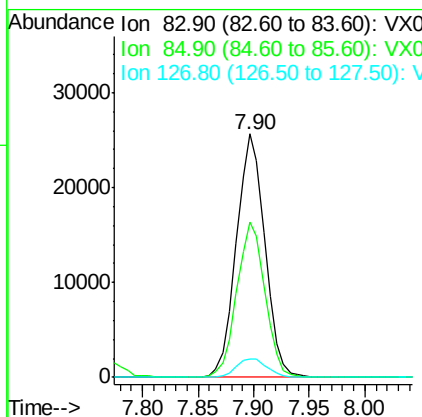
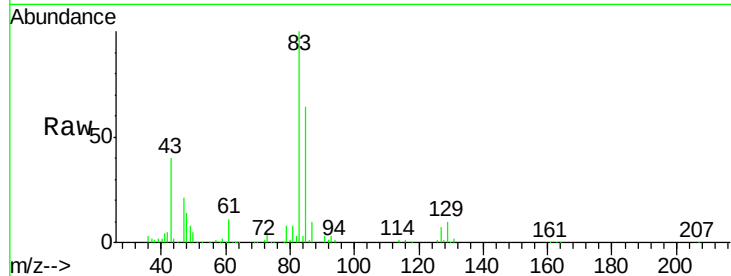
#47
Bromodichloromethane
Concen: 16.366 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX009880.D
Acq: 24 May 2019 12:40

Instrument :
MSVOA_X
ClientSampleId :
VX0524MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.4	78.6
127	7.3	6.6	10.0

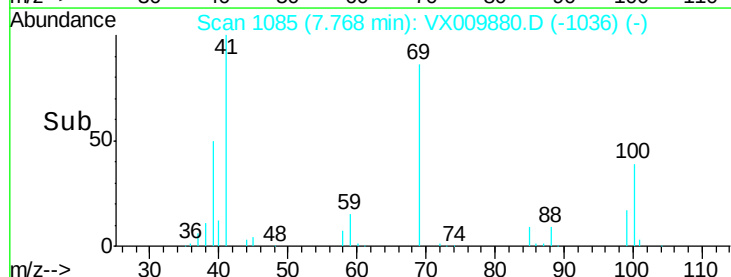
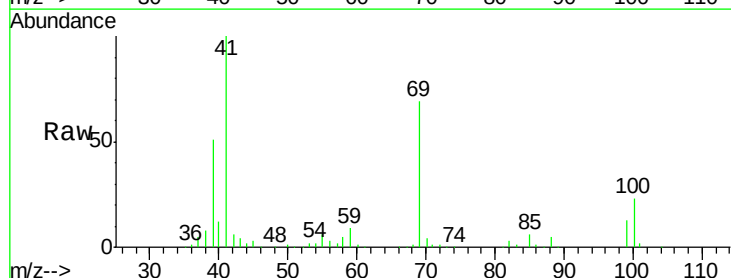
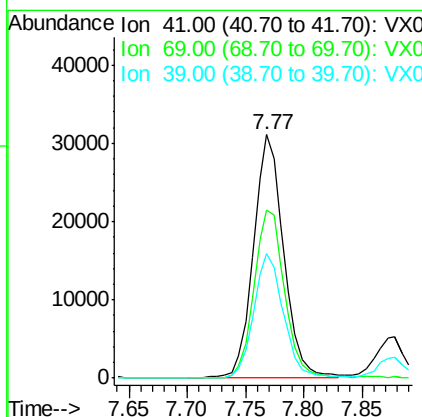
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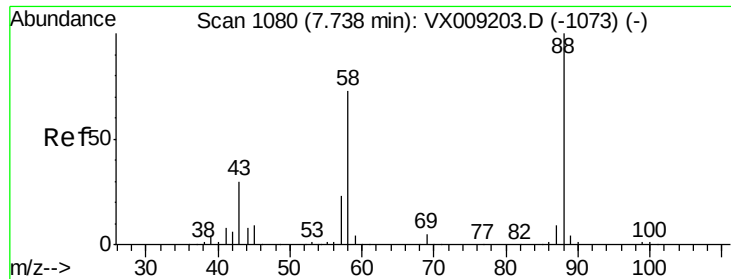
MMDadoda
5/28/2019 9:52:04 AM



#48
Methyl methacrylate
Concen: 18.558 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX009880.D
Acq: 24 May 2019 12:40

Tgt Ion	Ratio	Lower	Upper
41	100		
69	70.3	59.1	88.7
39	50.1	40.4	60.6





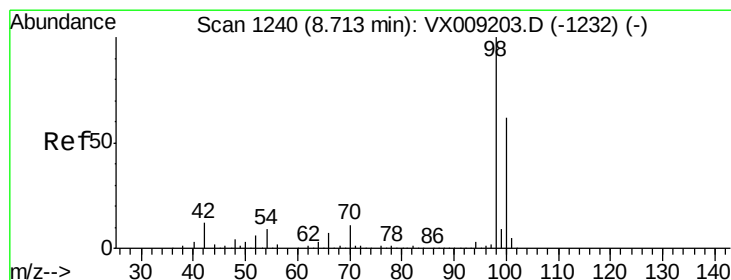
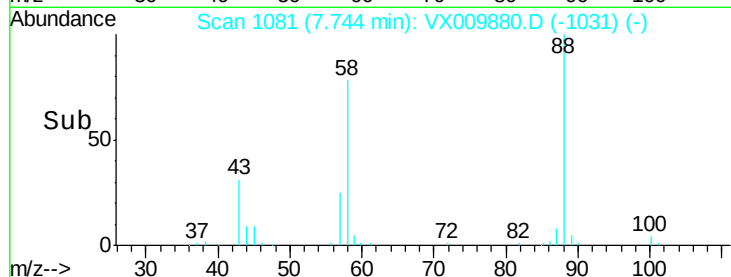
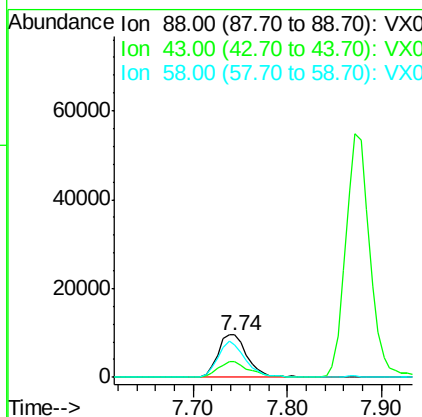
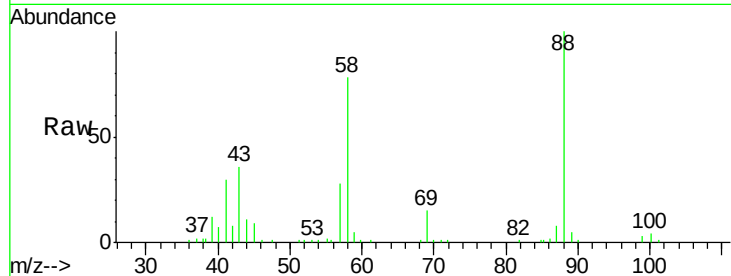
#49
1,4-Dioxane
Concen: 332.804 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX009880.D
Acq: 24 May 2019 12:40

Instrument :
MSVOA_X
ClientSampleId :
VX0524MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.8	28.6	42.8
58	81.9	61.7	92.5

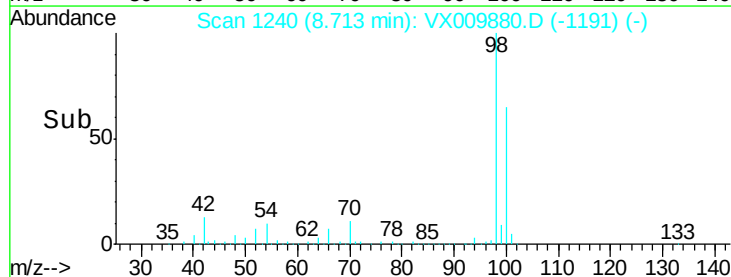
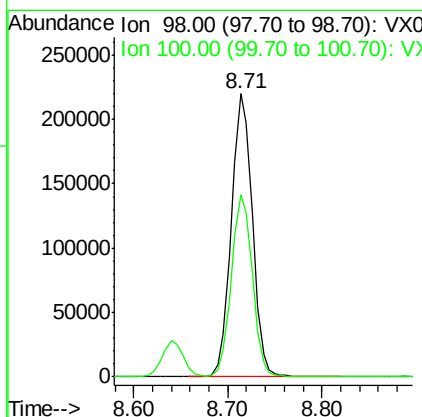
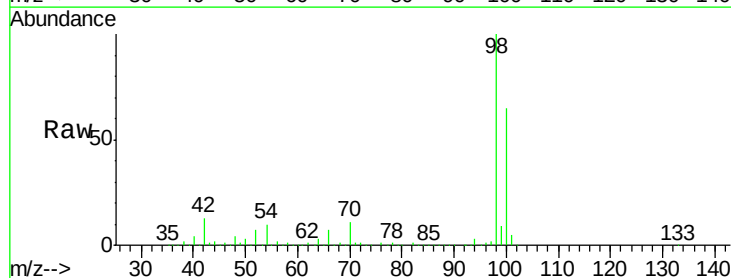
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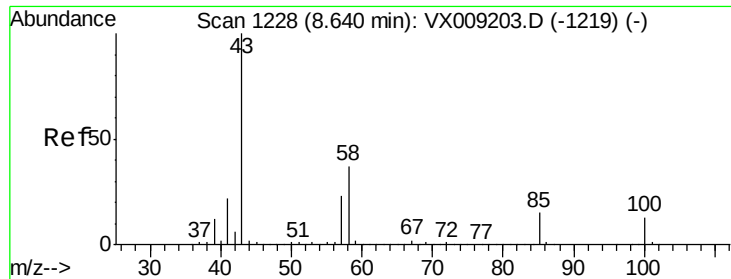
MMDadoda
5/28/2019 9:52:04 AM



#50
Toluene-d8
Concen: 45.587 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009880.D
Acq: 24 May 2019 12:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 92.992 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009880.D

Acq: 24 May 2019 12:40

Instrument :

MSVOA_X

ClientSampled :

VX0524MBS01

Tot Ion: 43 Resp: 370883

Ion Ratio Lower Upper

43 100

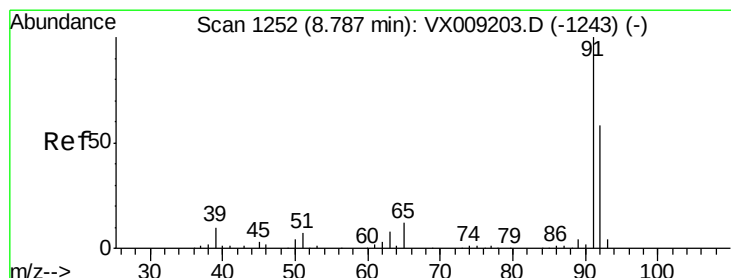
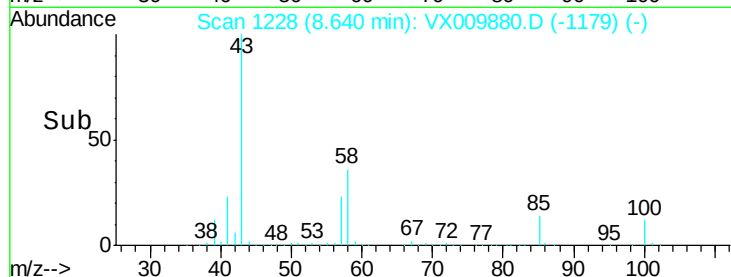
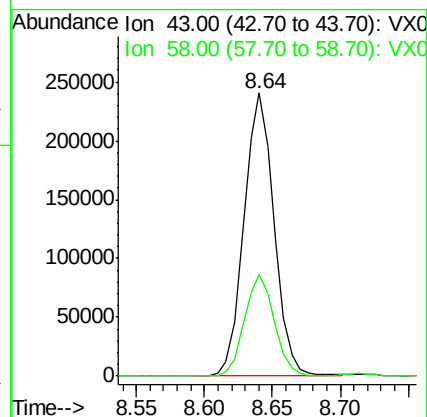
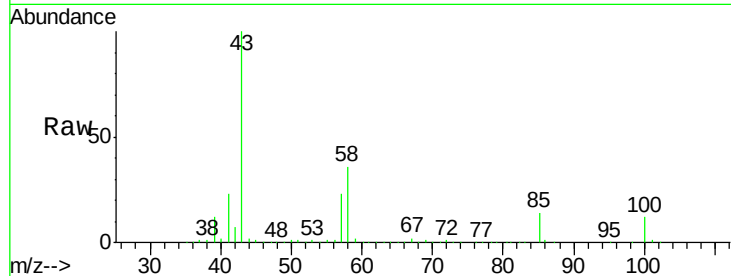
58 35.5 29.5 44.3

Manual Integrations

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MMDadoda

5/28/2019 9:52:04 AM



#52

Toluene

Concen: 17.275 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009880.D

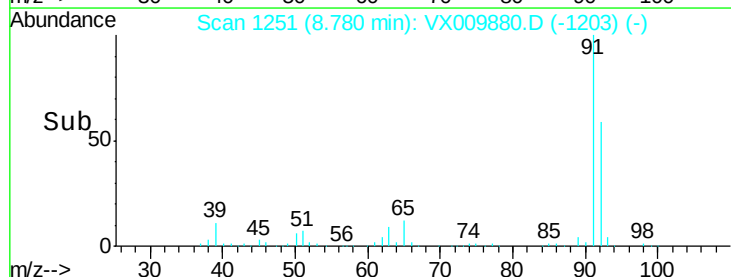
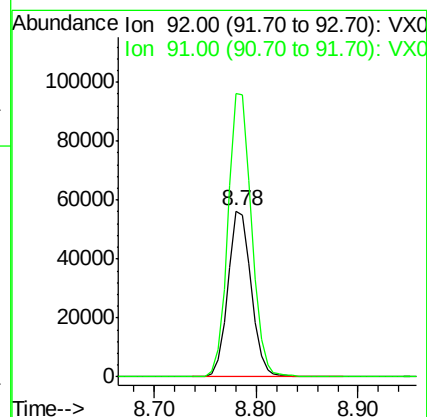
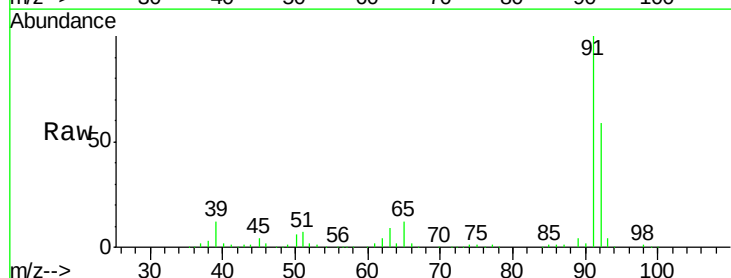
Acq: 24 May 2019 12:40

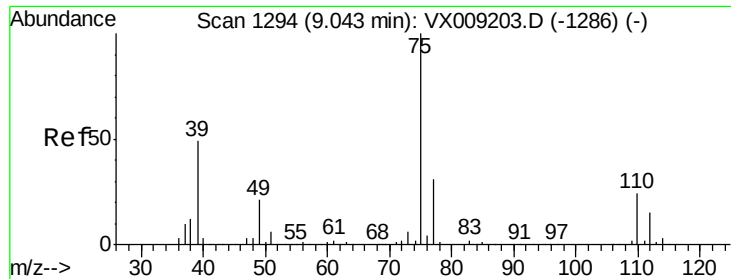
Tgt Ion: 92 Resp: 88981

Ion Ratio Lower Upper

92 100

91 173.2 138.8 208.2





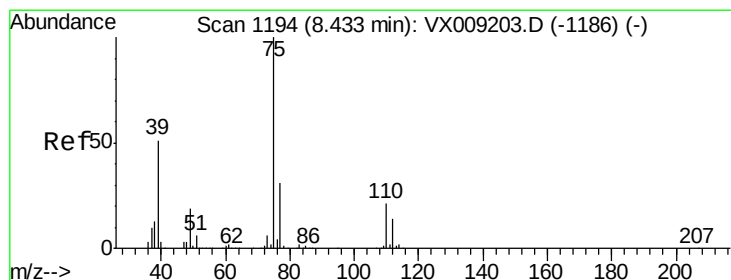
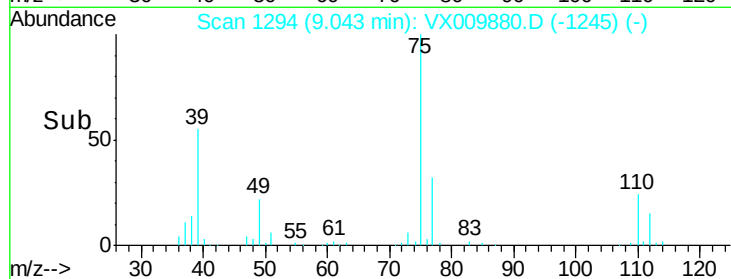
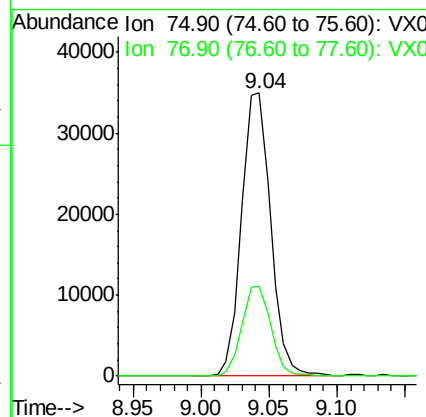
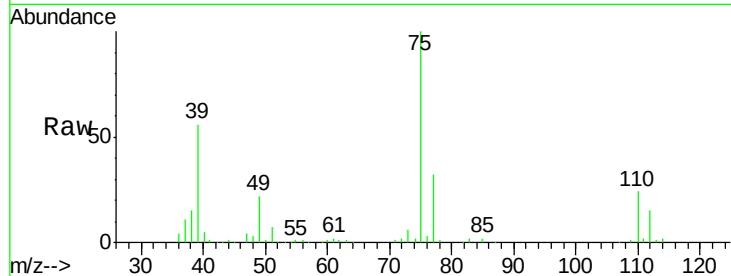
#53
t-1,3-Dichloropropene
Concen: 16.730 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009880.D
Acq: 24 May 2019 12:40

Instrument :
MSVOA_X
ClientSampleId :
VX0524MBS01

Tot Ion	75	Resp	52497
Ion Ratio	Lower	Upper	
75	100		
77	31.9	25.0	37.6

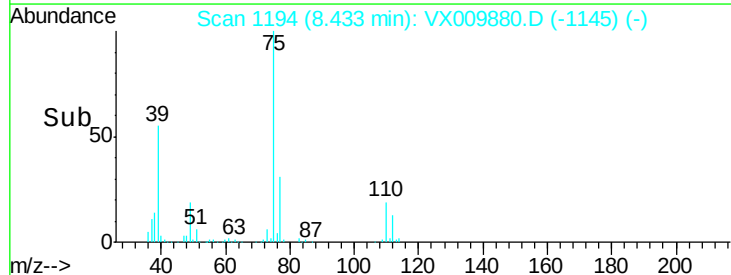
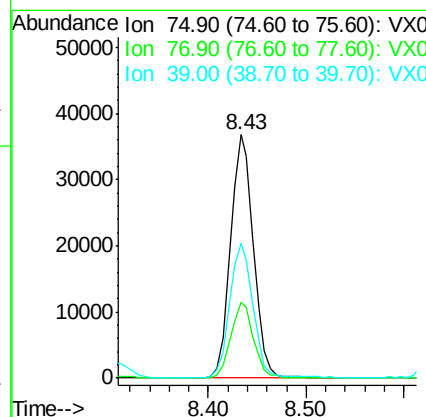
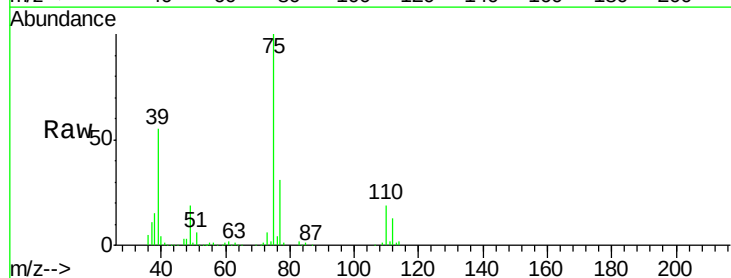
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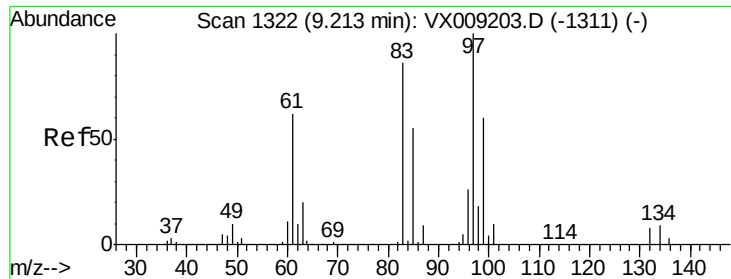
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 17.120 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009880.D
Acq: 24 May 2019 12:40

Tgt Ion	75	Resp	59461
Ion Ratio	Lower	Upper	
75	100		
77	31.4	24.6	36.8
39	55.1	40.6	60.8





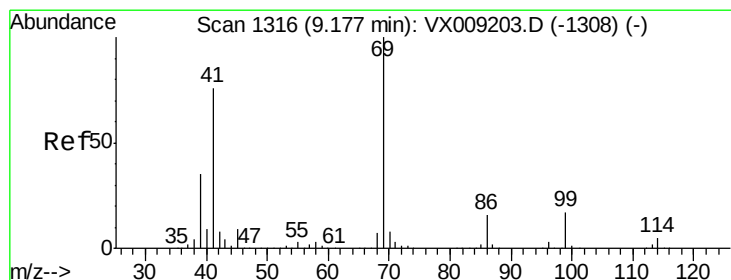
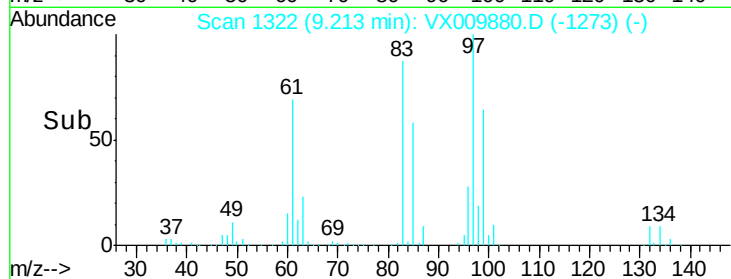
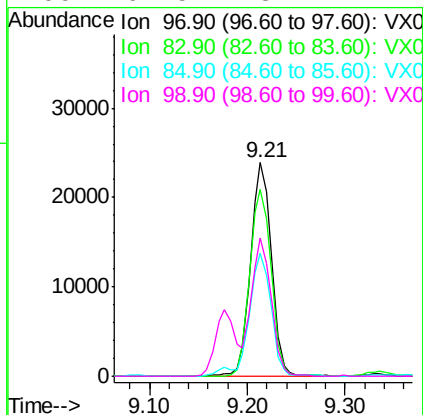
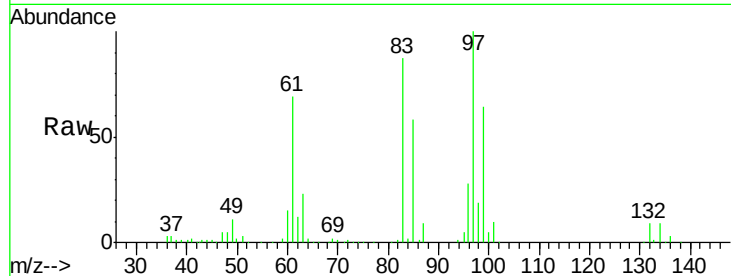
#55
1,1,2-Trichloroethane
Concen: 16.876 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX009880.D
Acq: 24 May 2019 12:40

Instrument :
MSVOA_X
ClientSampleId :
VX0524MBS01

Tot Ion:	97	Resp:	35462
Ion	Ratio	Lower	Upper
97	100		
83	87.4	68.9	103.3
85	57.6	43.8	65.6
99	64.5	48.2	72.2

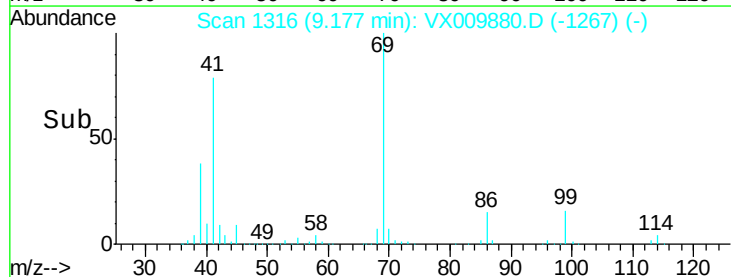
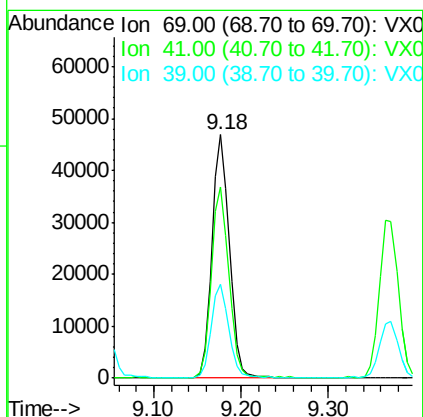
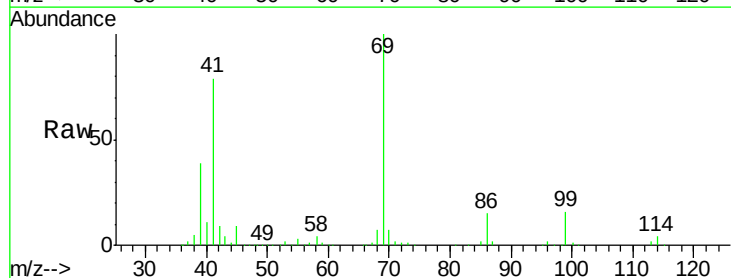
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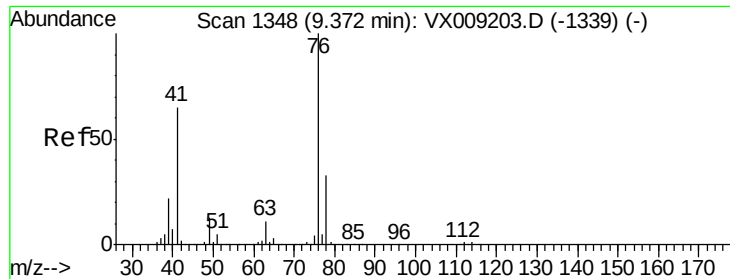
MMDadoda
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#56
Ethyl methacrylate
Concen: 17.381 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VX009880.D
Acq: 24 May 2019 12:40

Tgt Ion:	69	Resp:	65196
Ion	Ratio	Lower	Upper
69	100		
41	78.5	60.6	90.8
39	38.5	28.2	42.4





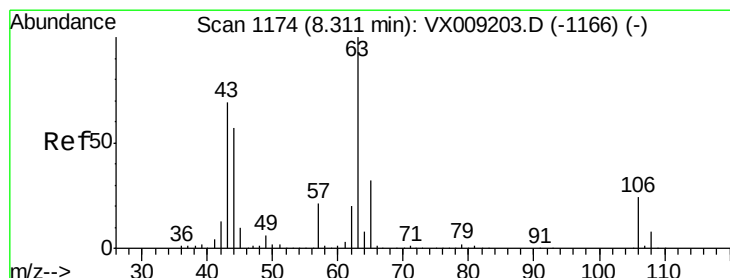
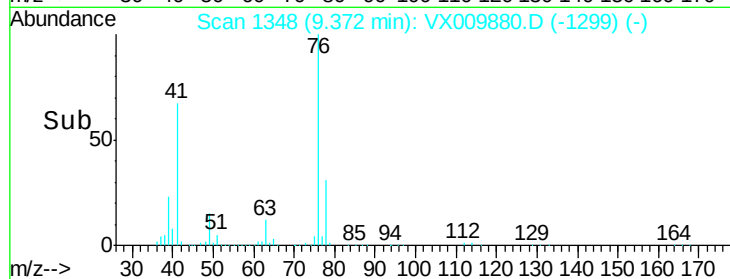
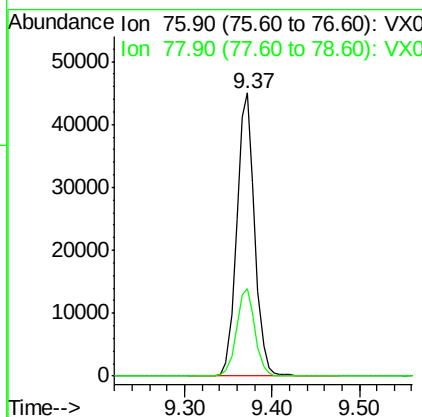
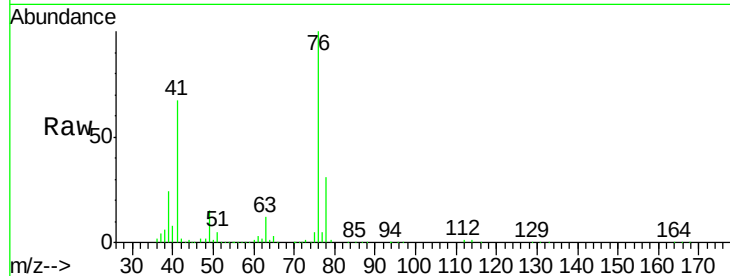
#57
 1,3-Dichloropropane
 Concen: 17.402 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX009880.D
 Acq: 24 May 2019 12:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0524MBS01

Tot Ion: 76 Resp: 64352
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.5 38.3

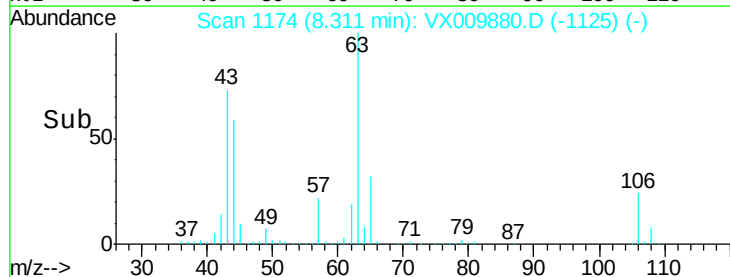
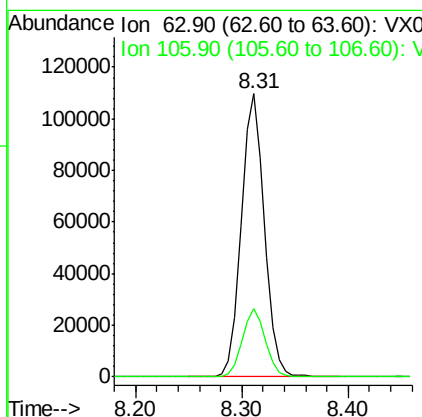
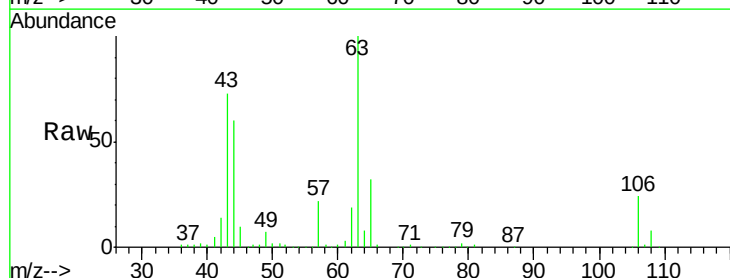
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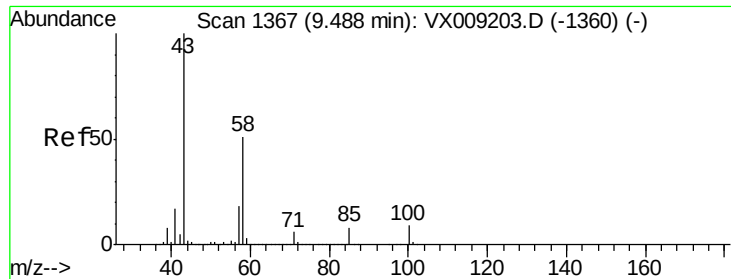
MMDadoda
 5/28/2019 9:52:04 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 84.144 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX009880.D
 Acq: 24 May 2019 12:40

Tgt Ion: 63 Resp: 167440
 Ion Ratio Lower Upper
 63 100
 106 24.0 19.7 29.5





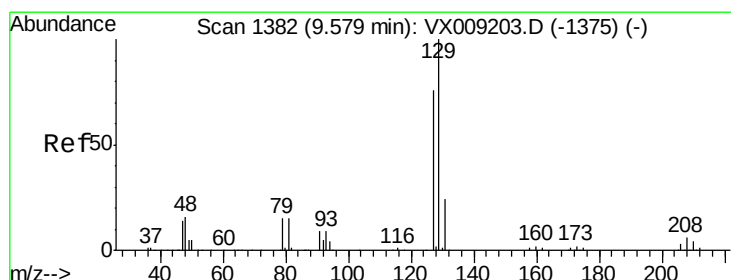
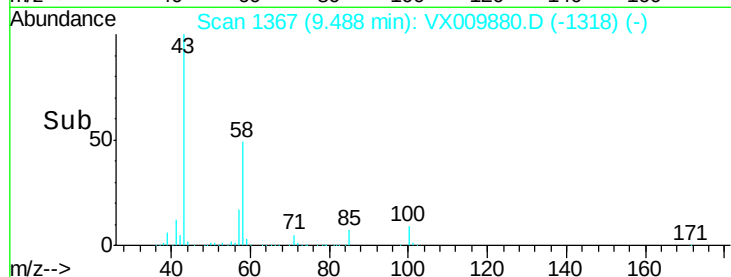
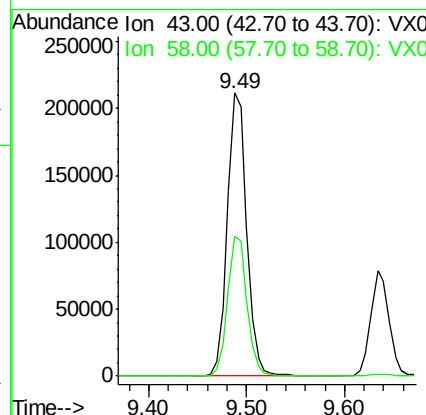
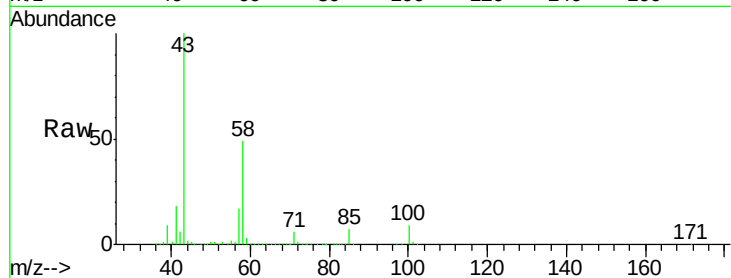
#59
2-Hexanone
Concen: 92.781 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009880.D
Acq: 24 May 2019 12:40

Instrument :
MSVOA_X
ClientSampleId :
VX0524MBS01

Tot Ion: 43 Resp: 290626
Ion Ratio Lower Upper
43 100
58 49.8 25.9 77.7

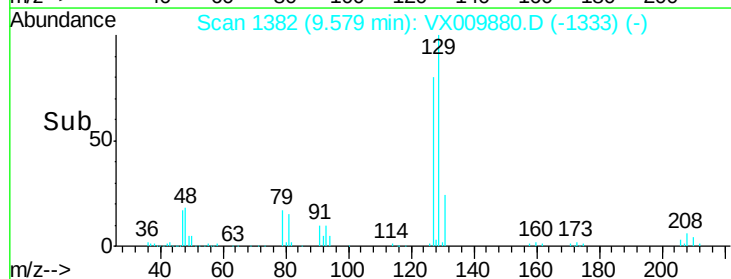
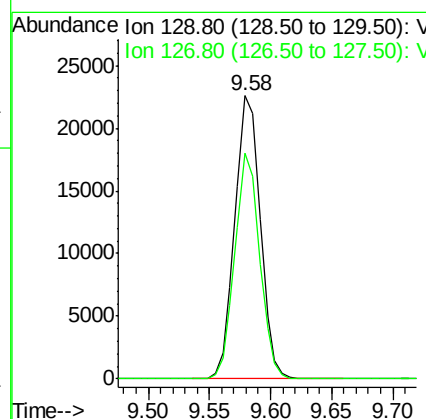
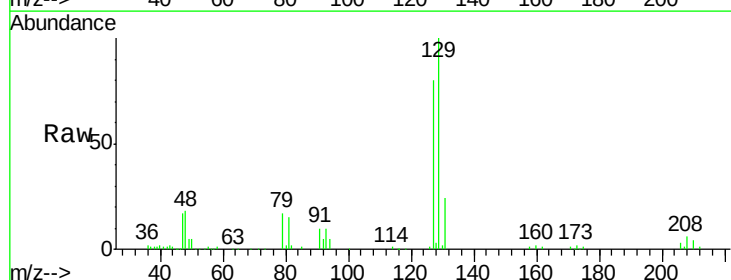
Manual Integrations
APPROVED

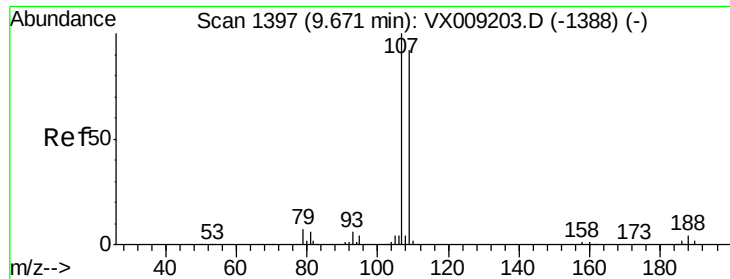
MMDadoda
5/28/2019 9:52:04 AM



#60
Dibromochloromethane
Concen: 15.854 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009880.D
Acq: 24 May 2019 12:40

Tgt Ion: 129 Resp: 32539
Ion Ratio Lower Upper
129 100
127 77.8 38.4 115.1





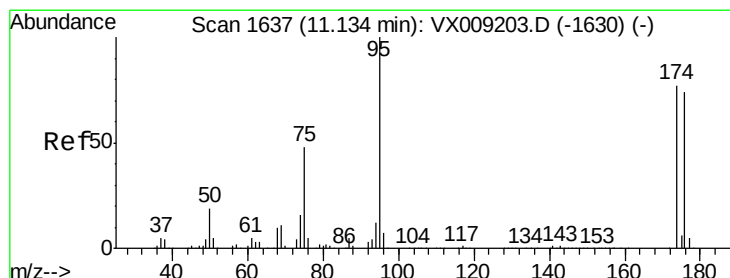
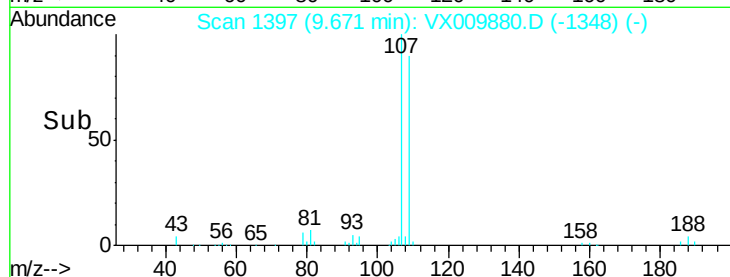
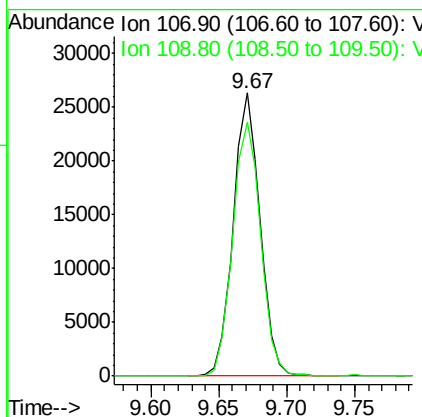
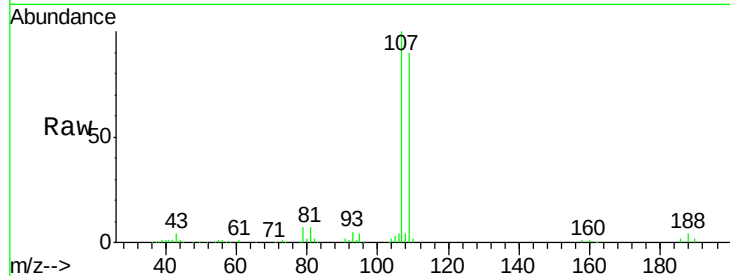
#61
 1,2-Dibromoethane
 Concen: 17.081 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX009880.D
 Acq: 24 May 2019 12:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0524MBS01

Tot Ion	Ratio	Resp	Lower	Upper
107	100	36232		
109	93.7	75.2	112.8	

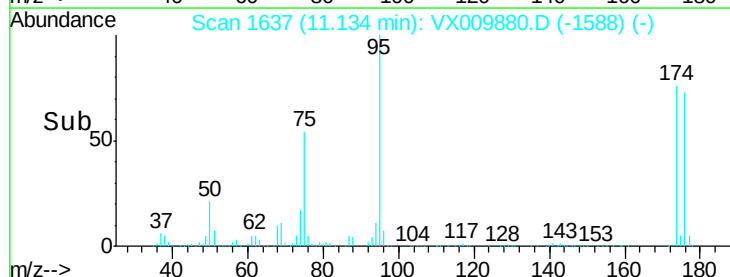
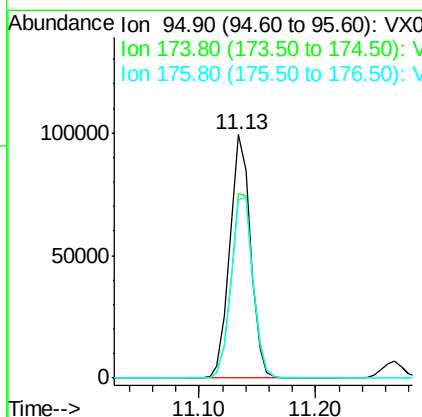
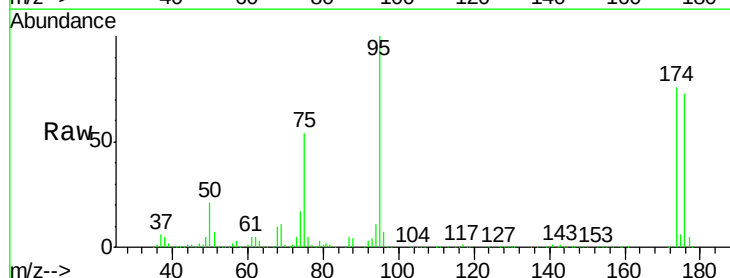
Manual Integrations
 APPROVED

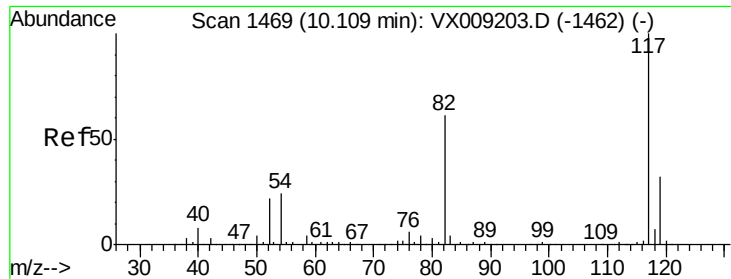
MMDadoda
 5/28/2019 9:52:04 AM



#62
 4-Bromofluorobenzene
 Concen: 45.529 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX009880.D
 Acq: 24 May 2019 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	123701		
174	79.8	0.0	161.6	
176	78.3	0.0	159.2	





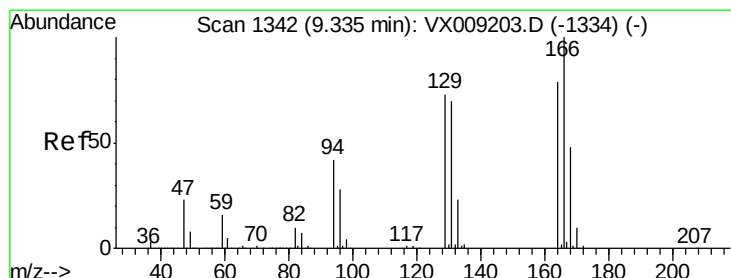
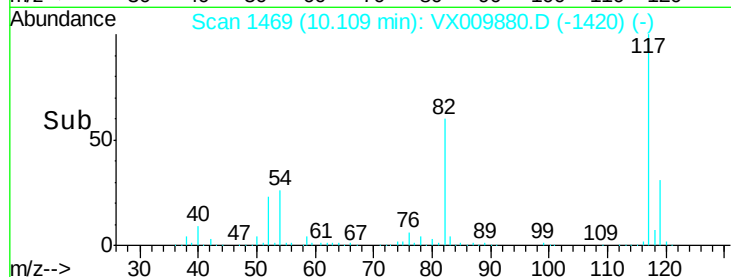
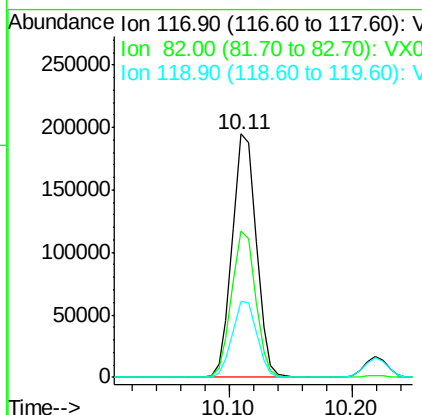
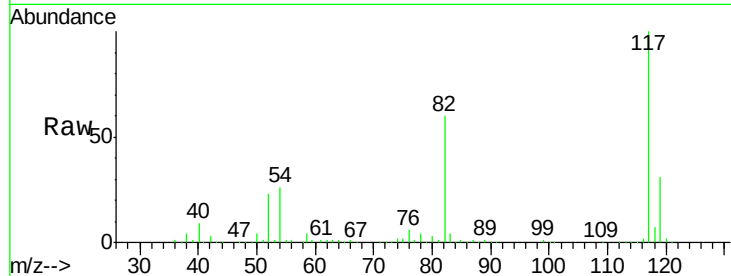
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009880.D
Acq: 24 May 2019 12:40

Instrument :
MSVOA_X
ClientSampleId :
VX0524MBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	264936		
82	60.3	48.8	73.2	
119	31.3	25.8	38.6	

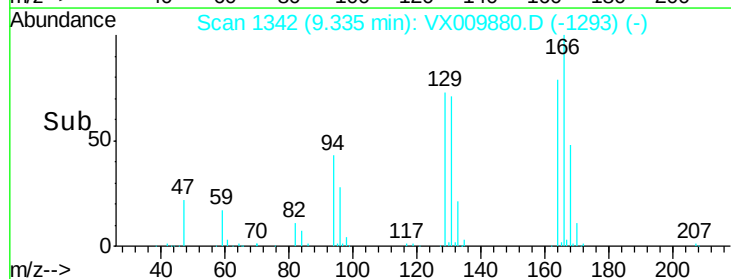
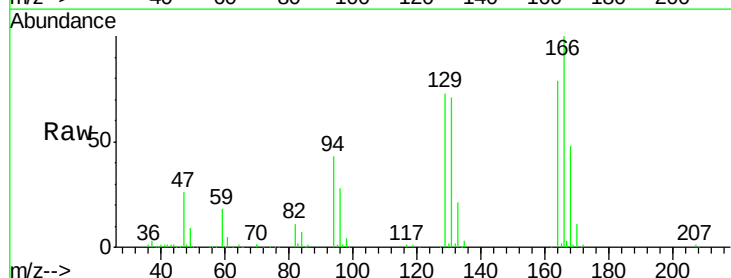
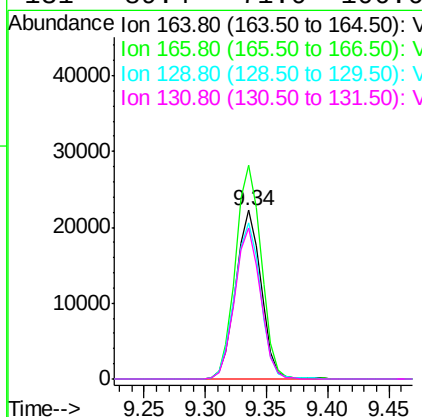
Manual Integrations
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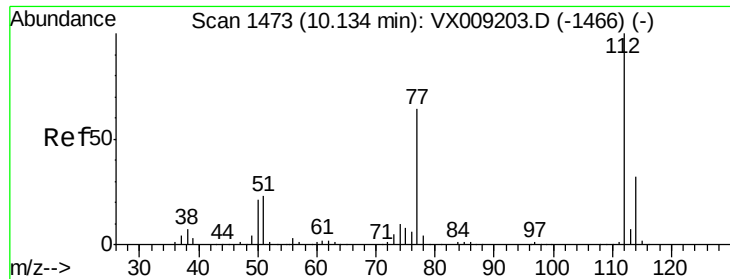
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#64
Tetrachloroethene
Concen: 17.644 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009880.D
Acq: 24 May 2019 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	32065		
166	126.6	101.2	151.8	
129	92.4	74.3	111.5	
131	89.4	71.0	106.6	





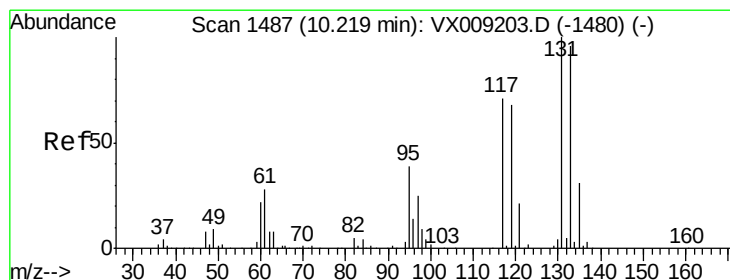
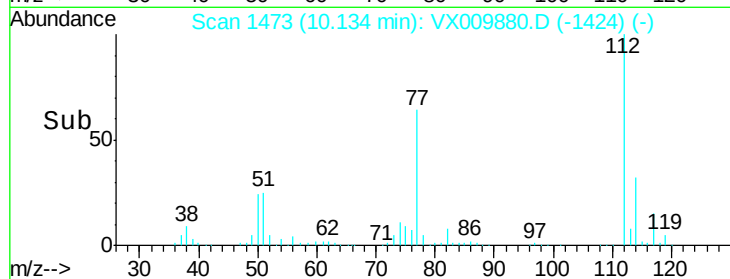
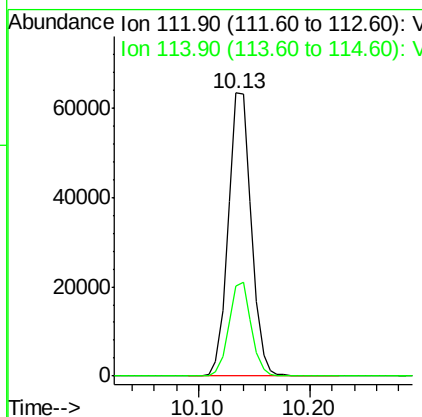
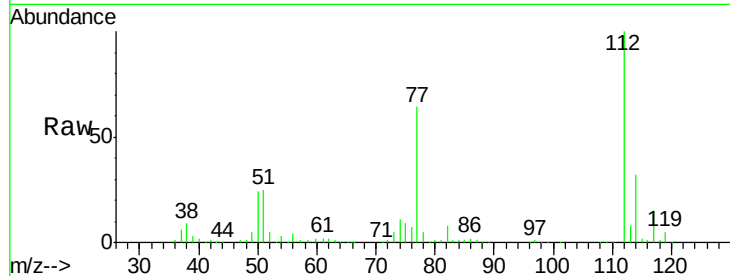
#65
Chlorobenzene
Concen: 17.074 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX009880.D
Acq: 24 May 2019 12:40

Instrument :
MSVOA_X
ClientSampleId :
VX0524MBS01

Tot Ion:112 Resp: 90489
Ion Ratio Lower Upper
112 100
114 32.0 25.5 38.3

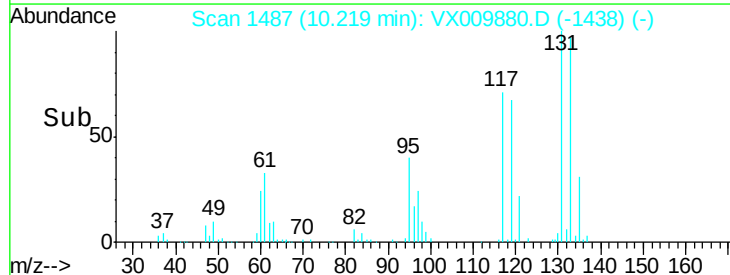
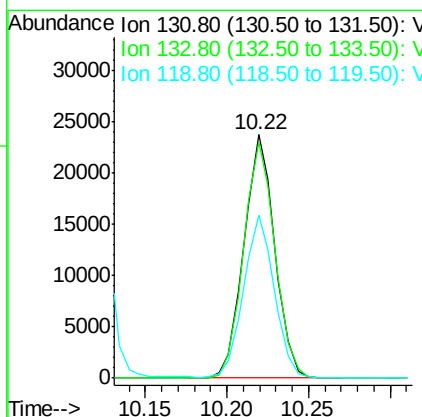
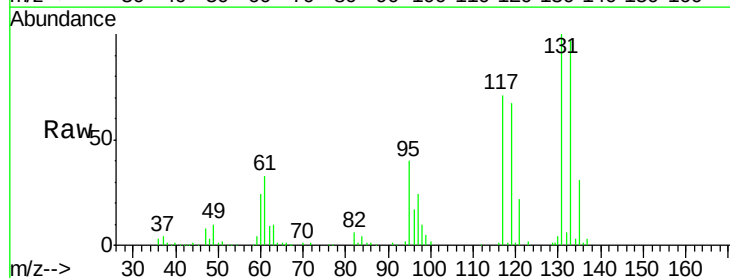
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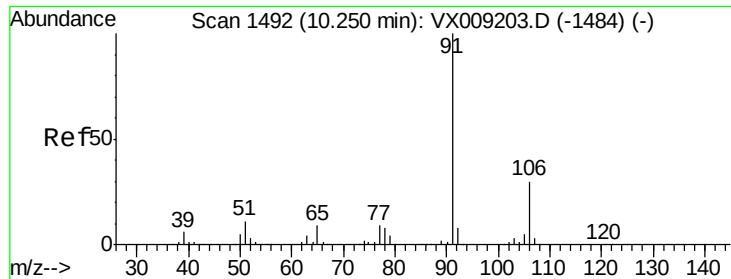
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#66
1,1,1,2-Tetrachloroethane
Concen: 16.274 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009880.D
Acq: 24 May 2019 12:40

Tgt Ion:131 Resp: 31270
Ion Ratio Lower Upper
131 100
133 98.4 47.7 143.1
119 66.8 33.5 100.4





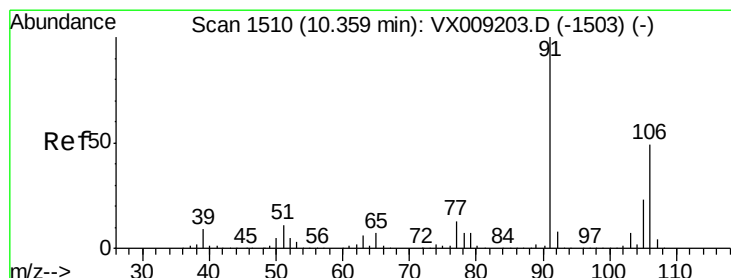
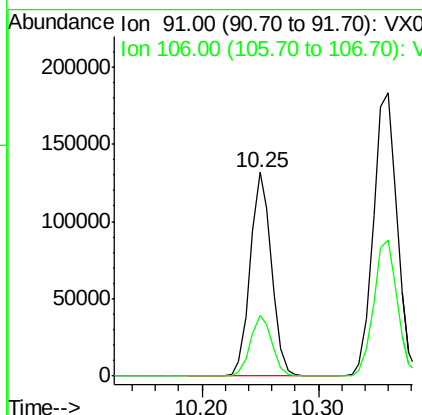
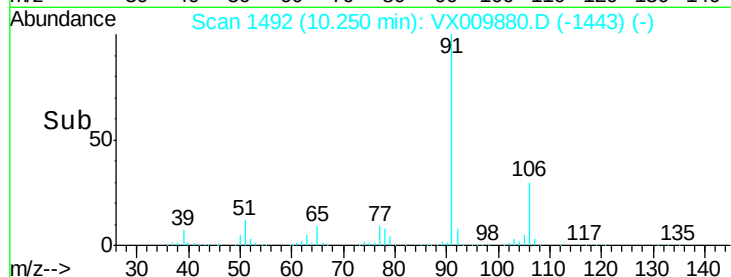
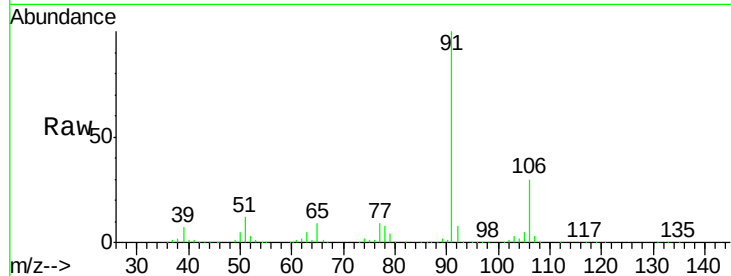
#67
Ethyl Benzene
Concen: 17.264 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX009880.D
Acq: 24 May 2019 12:40

Instrument :
MSVOA_X
ClientSampleId :
VX0524MBS01

Tot Ion: 91 Resp: 168388
Ion Ratio Lower Upper
91 100
106 29.9 24.0 36.0

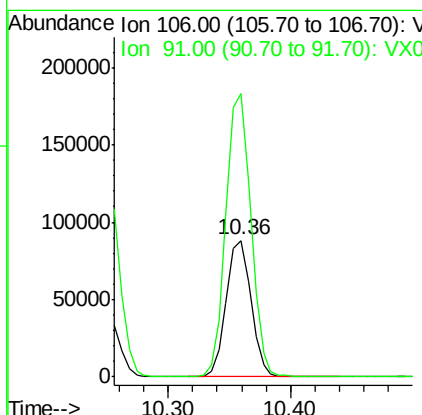
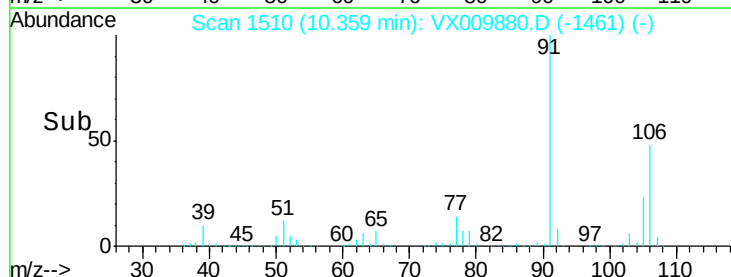
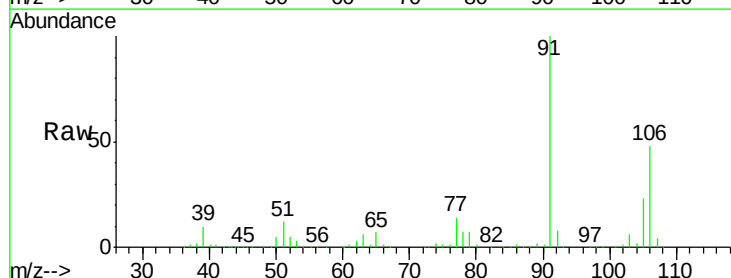
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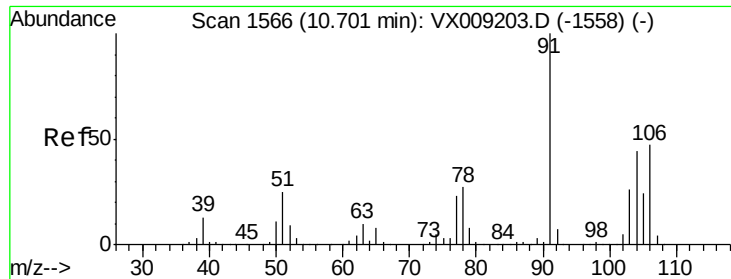
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#68
m/p-Xylenes
Concen: 34.885 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX009880.D
Acq: 24 May 2019 12:40

Tgt Ion: 106 Resp: 124343
Ion Ratio Lower Upper
106 100
91 207.9 164.0 246.0





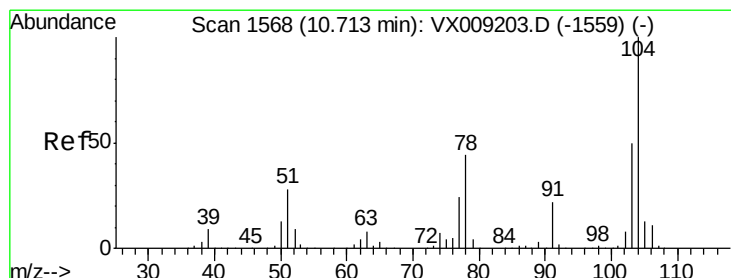
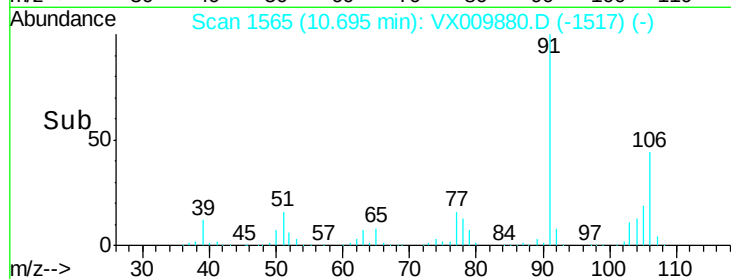
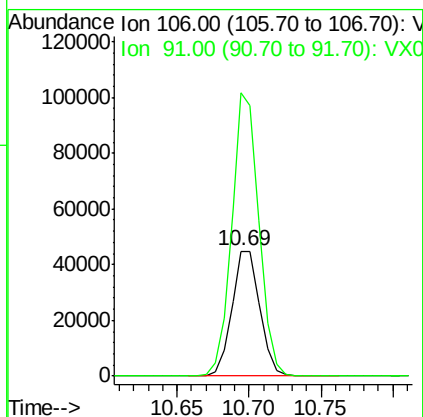
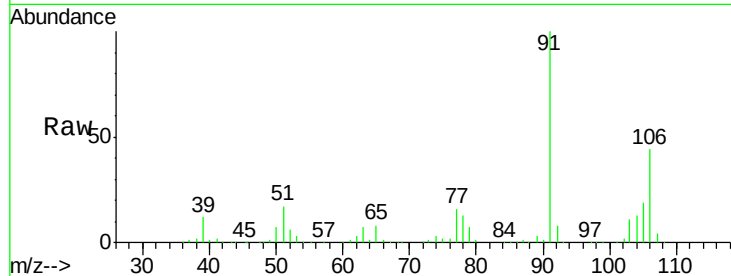
#69
o-Xylene
Concen: 17.359 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009880.D
Acq: 24 May 2019 12:40

Instrument :
MSVOA_X
ClientSampleId :
VX0524MBS01

Tot Ion:106 Resp: 61047
Ion Ratio Lower Upper
106 100
91 219.4 109.5 328.4

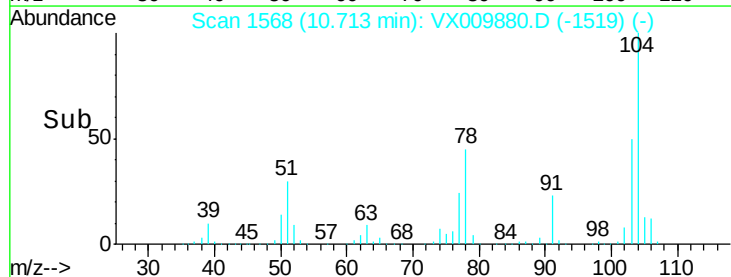
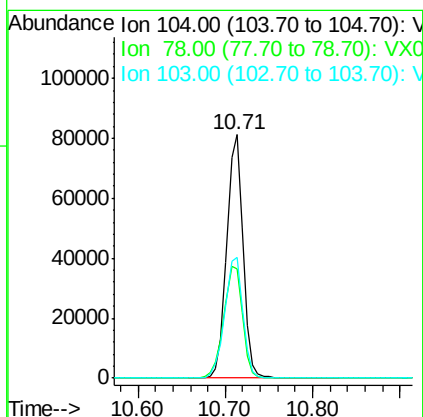
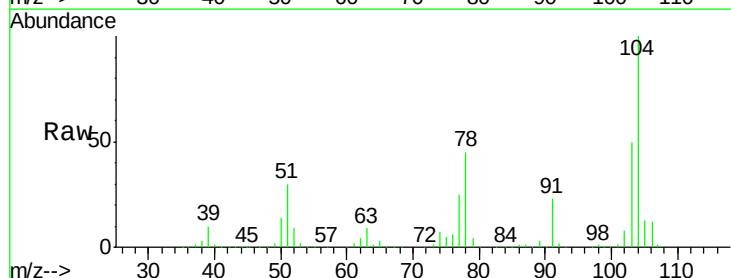
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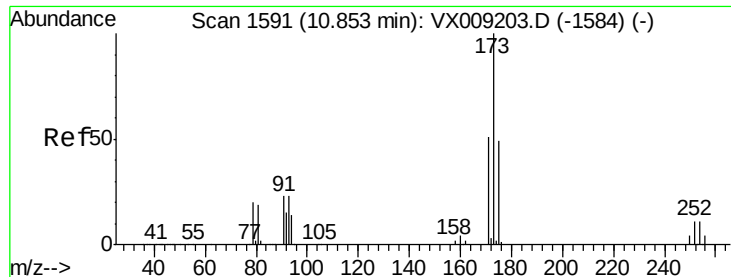
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#70
Styrene
Concen: 17.153 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009880.D
Acq: 24 May 2019 12:40

Tgt Ion:104 Resp: 104846
Ion Ratio Lower Upper
104 100
78 53.1 41.0 61.4
103 55.3 43.8 65.6





#71

Bromoform

Concen: 15.349 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.01 min

Lab File: VX009880.D

Acq: 24 May 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VX0524MBS01

Tot Ion:173 Resp: 23967

Ion Ratio Lower Upper

173 100

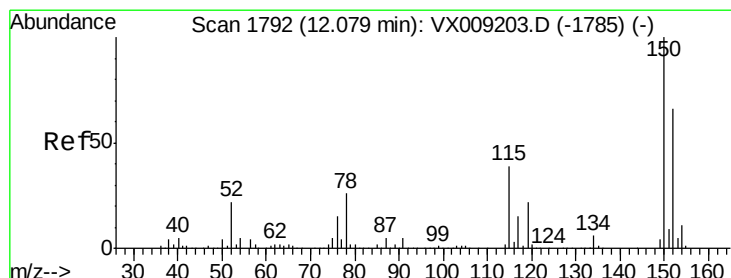
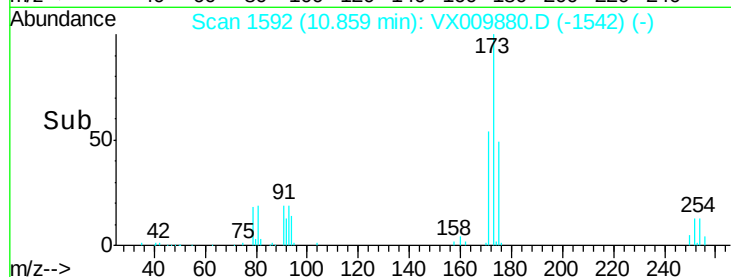
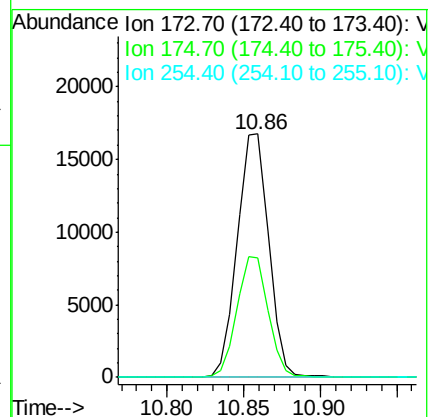
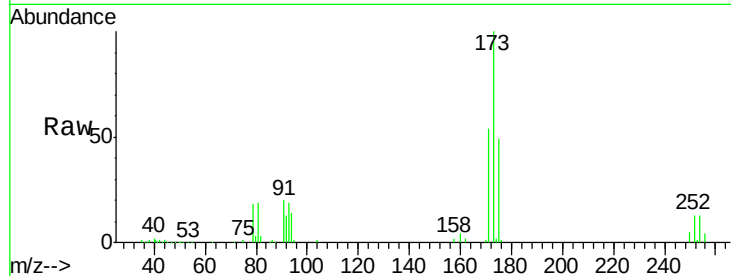
175 49.3 24.5 73.5

254 0.0 0.1 0.1#

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5/28/2019 9:52:04 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009880.D

Acq: 24 May 2019 12:40

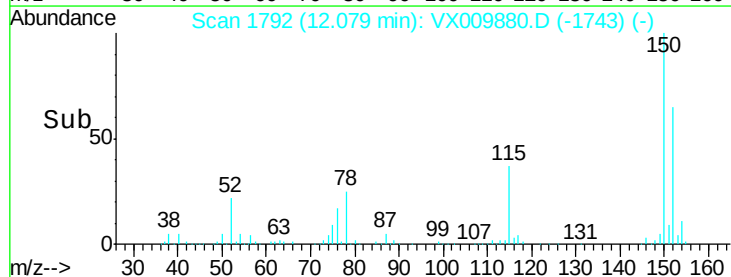
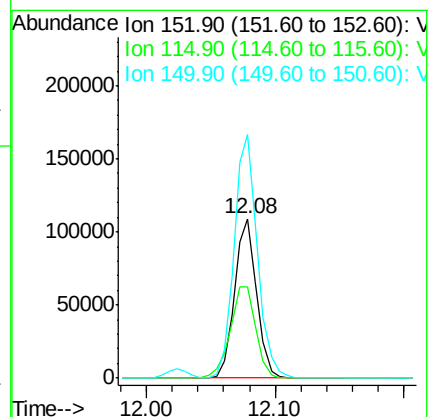
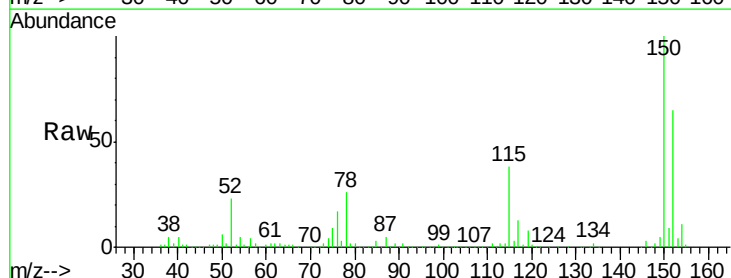
Tgt Ion:152 Resp: 130329

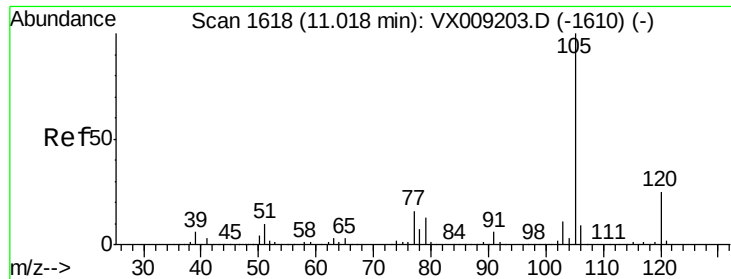
Ion Ratio Lower Upper

152 100

115 67.2 41.2 123.6

150 161.1 0.0 346.4





#73

Isopropylbenzene

Concen: 17.221 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009880.D

Acq: 24 May 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VX0524MBS01

Tot Ion: 105 Resp: 163214

Ion Ratio Lower Upper

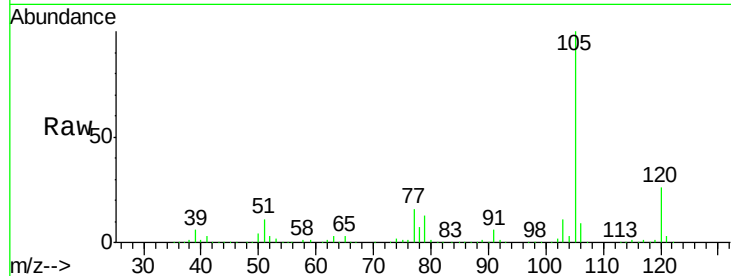
105 100

120 25.4 12.8 38.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

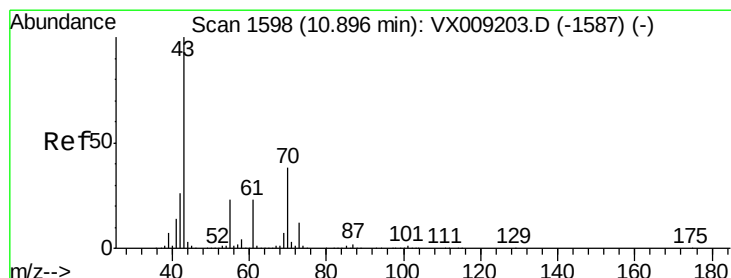
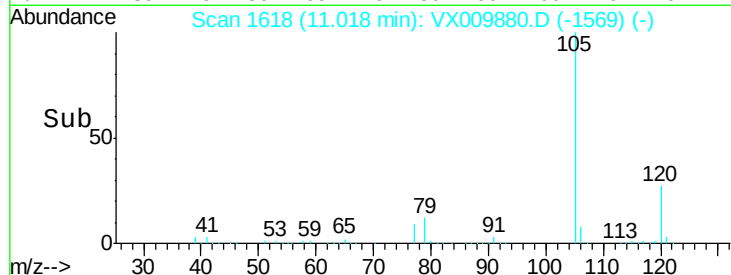
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 17.869 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009880.D

Acq: 24 May 2019 12:40

Tgt Ion: 43 Resp: 98732

Ion Ratio Lower Upper

43 100

70 35.3 30.0 45.0

55 23.1 17.9 26.9

61 21.6 18.4 27.6

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

120000

100000

80000

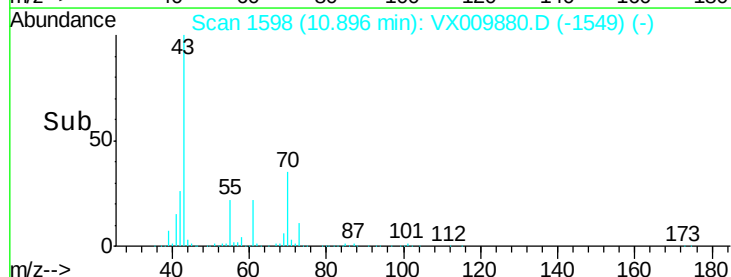
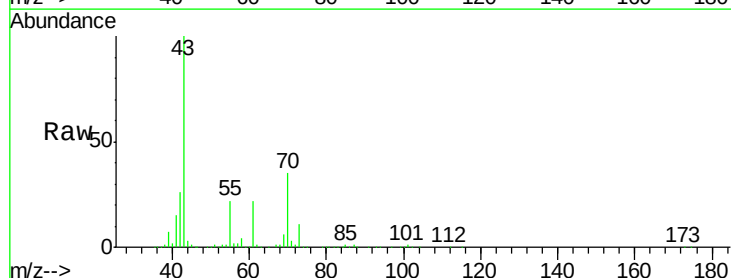
60000

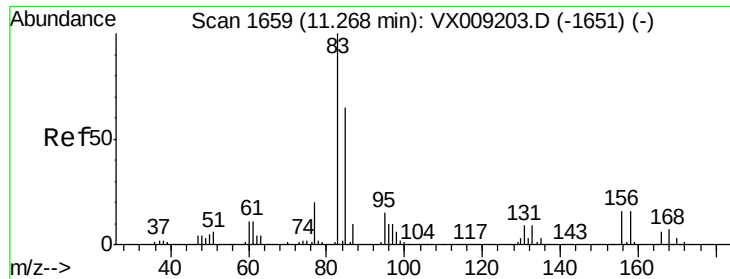
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 16.816 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009880.D

Acq: 24 May 2019 12:40

Instrument :

MSVOA_X

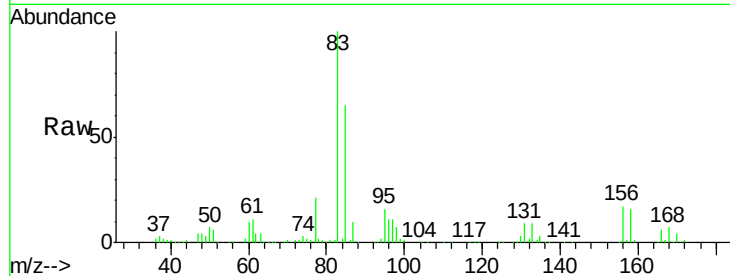
ClientSampleId :

VX0524MBS01

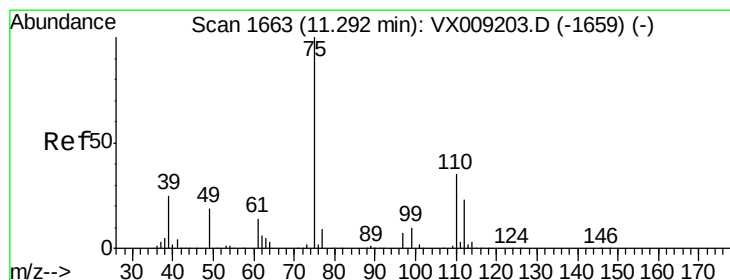
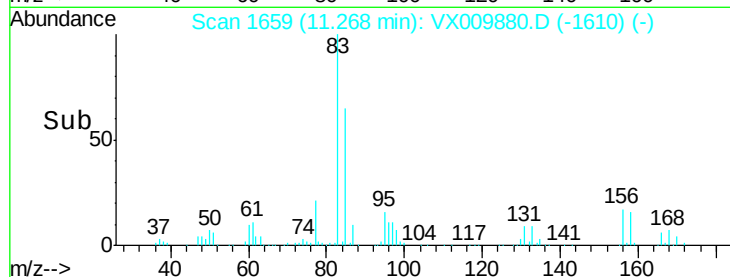
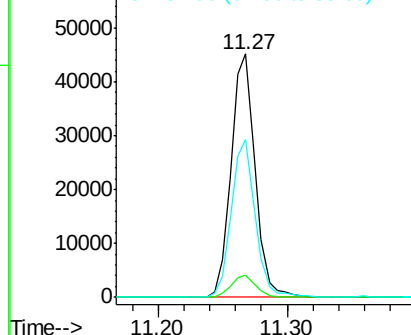
Tot Ion:	83	Resp:	59413
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.6	13.8
85	64.6	32.0	96.2

Manual Integrations
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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: 17.365 ug/l m

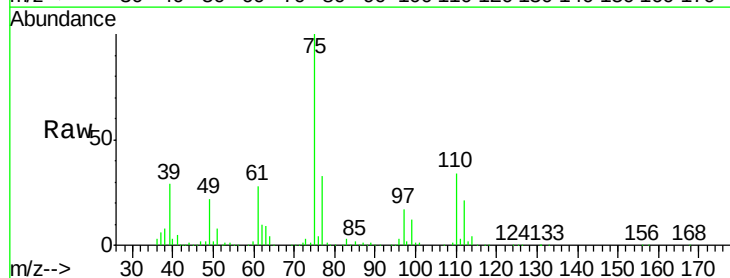
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

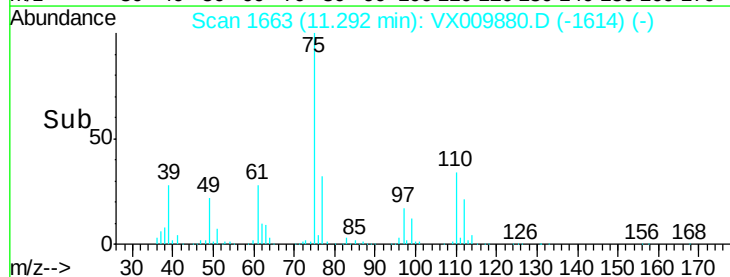
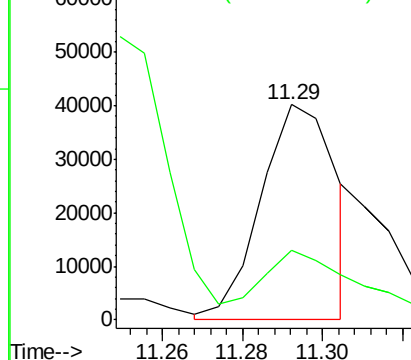
Lab File: VX009880.D

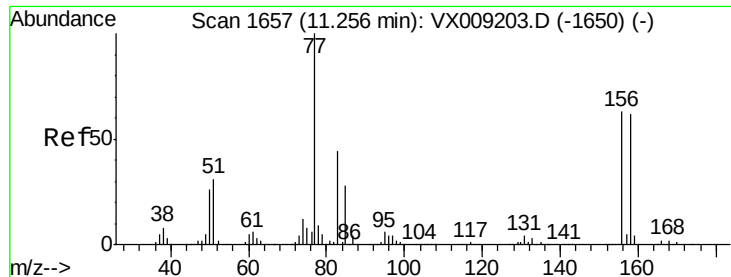
Acq: 24 May 2019 12:40

Tgt Ion:	75	Resp:	52497
Ion Ratio	Lower	Upper	
75	100		
77	42.4	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: 17.140 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009880.D

Acq: 24 May 2019 12:40

Instrument :

MSVOA_X

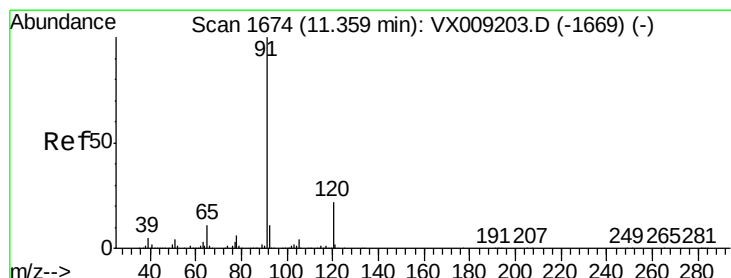
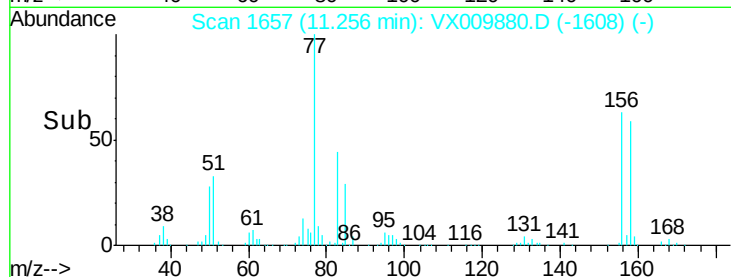
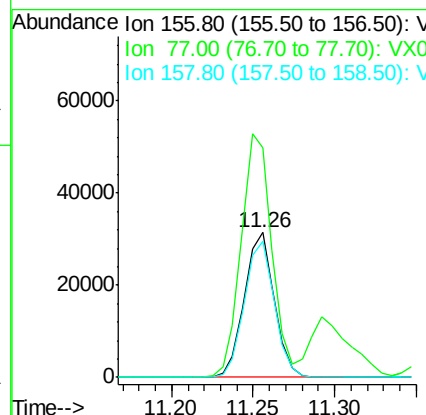
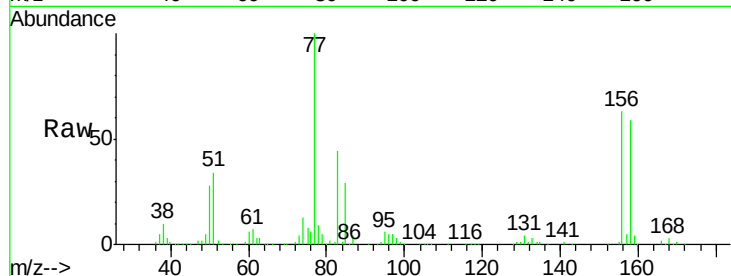
ClientSampleId :

VX0524MBS01

Tot Ion:	156	Resp:	40320
Ion	Ratio	Lower	Upper
156	100		
77	171.3	84.8	254.3
158	94.5	49.1	147.3

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#78

n-propylbenzene

Concen: 17.387 ug/l

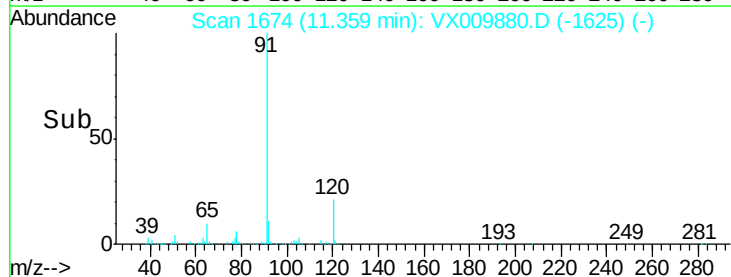
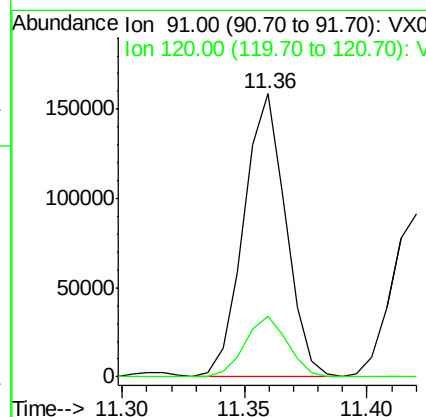
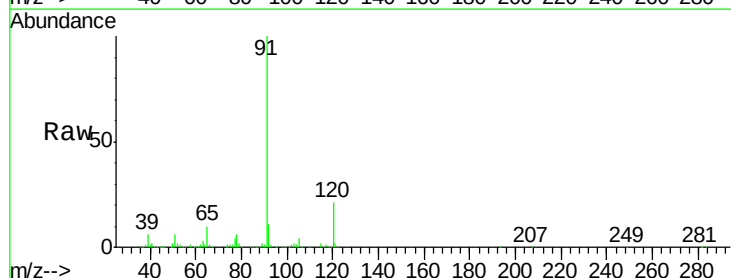
RT: 11.36 min Scan# 1674

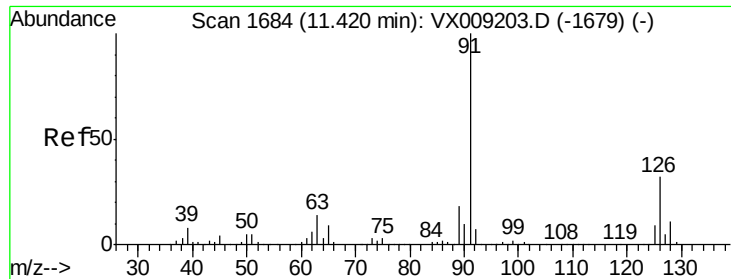
Delta R.T. 0.00 min

Lab File: VX009880.D

Acq: 24 May 2019 12:40

Tgt Ion:	91	Resp:	188188
Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.0	33.0





#79

2-Chlorotoluene

Concen: 16.796 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009880.D

Acq: 24 May 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VX0524MBS01

Tot Ion: 91 Resp: 112159

Ion Ratio Lower Upper

91 100

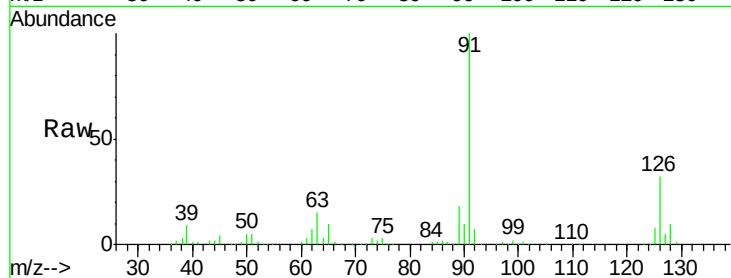
126 32.0 16.3 48.9

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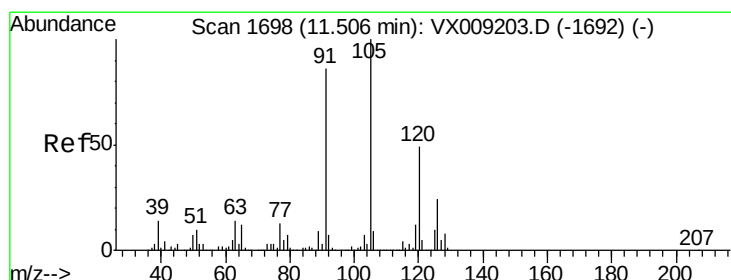
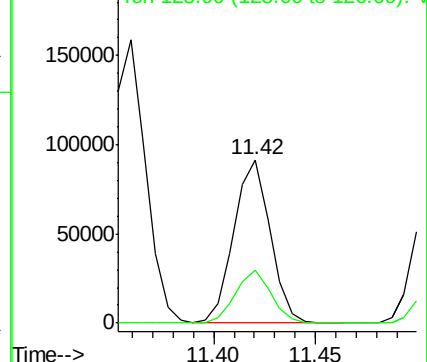
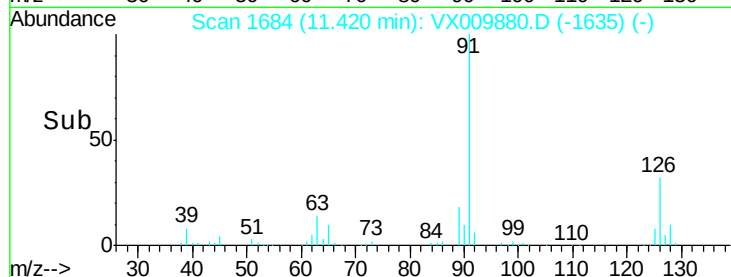
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Abundance Ion 91.00 (90.70 to 91.70): VX009880.D (-1635) (-)



#80

1,3,5-Trimethylbenzene

Concen: 17.061 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009880.D

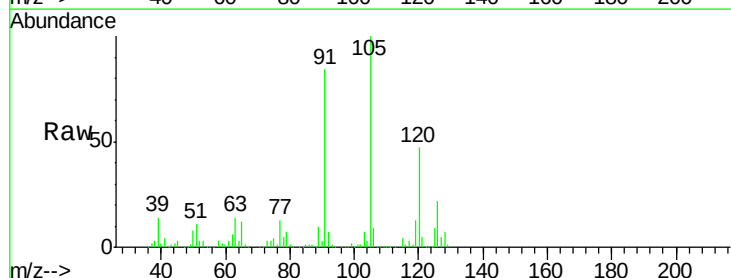
Acq: 24 May 2019 12:40

Tgt Ion: 105 Resp: 136147

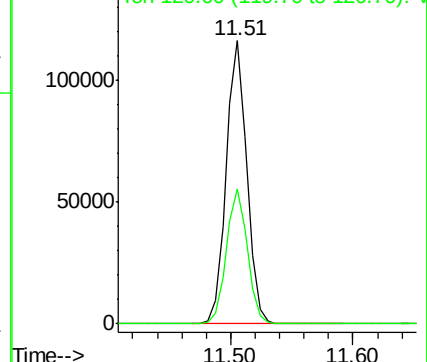
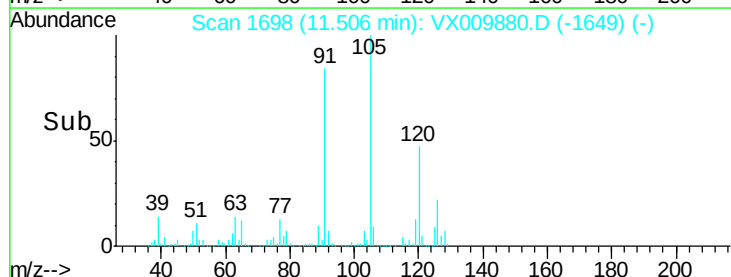
Ion Ratio Lower Upper

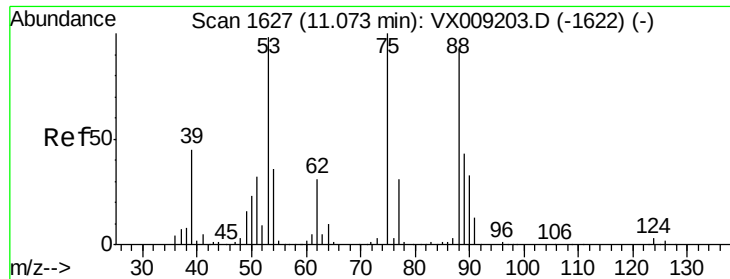
105 100

120 48.1 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009880.D (-1649) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 15.175 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009880.D

Acq: 24 May 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VX0524MBS01

Tot Ion: 75 Resp: 17930

Ion Ratio Lower Upper

75 100

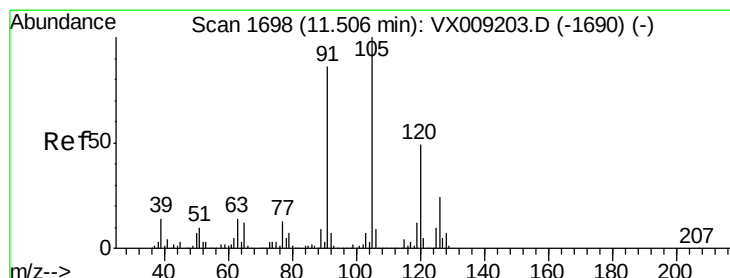
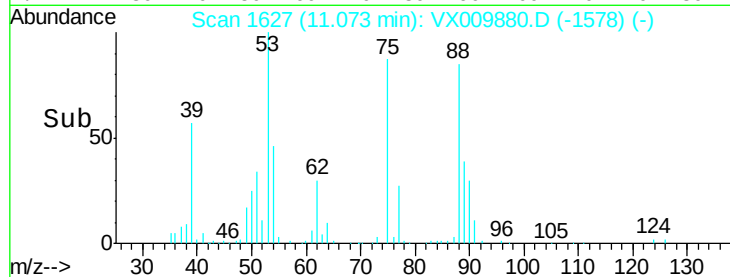
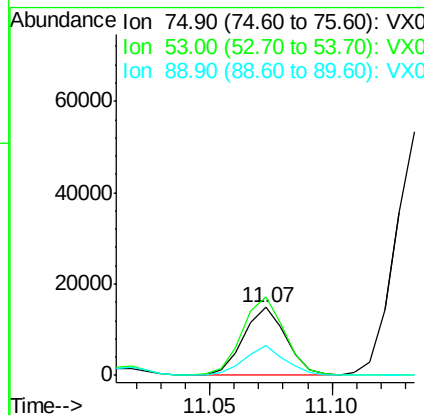
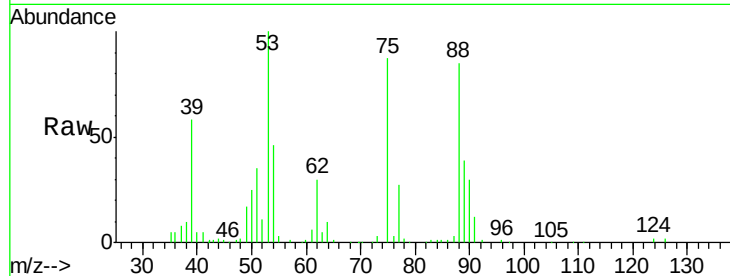
53 115.6 79.0 118.6

89 42.9 34.7 52.1

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#82

4-Chlorotoluene

Concen: 17.146 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX009880.D

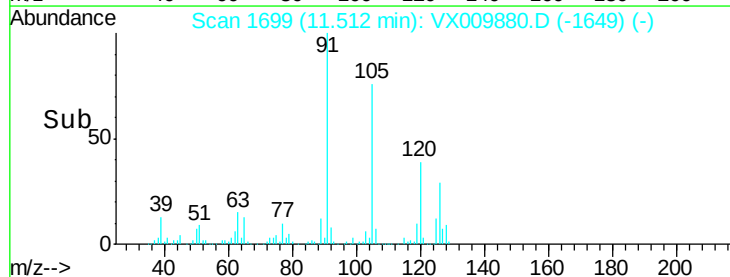
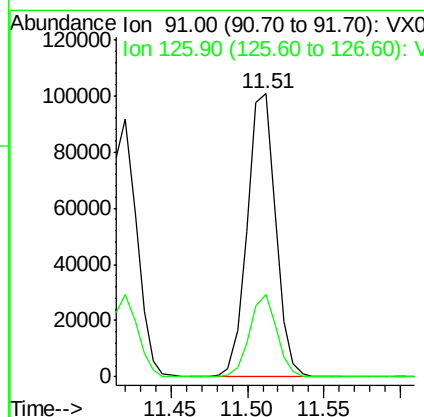
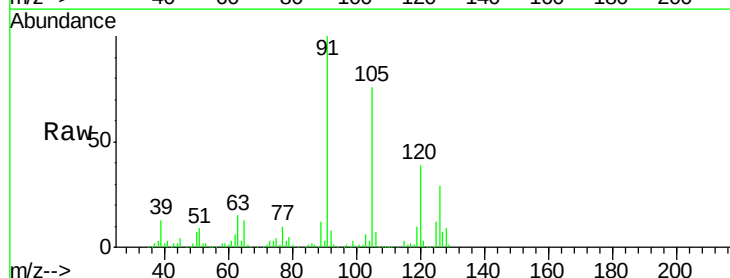
Acq: 24 May 2019 12:40

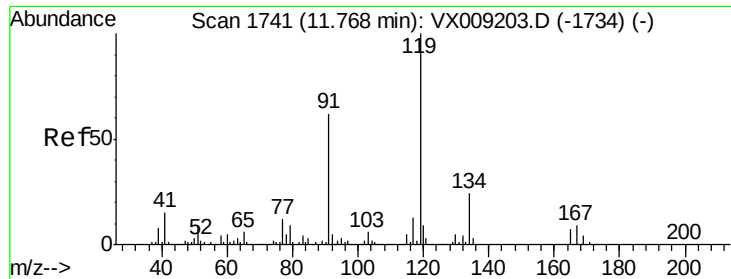
Tgt Ion: 91 Resp: 129344

Ion Ratio Lower Upper

91 100

126 28.0 14.5 43.6





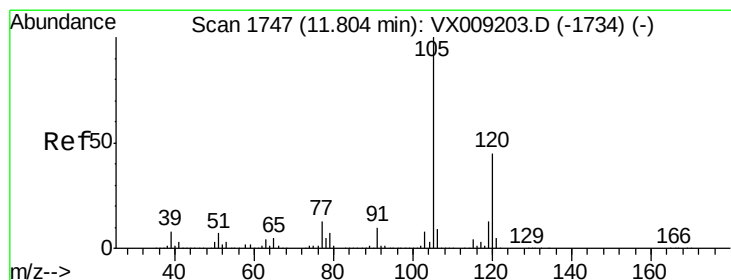
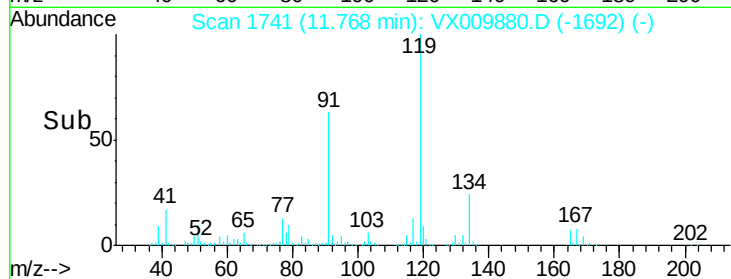
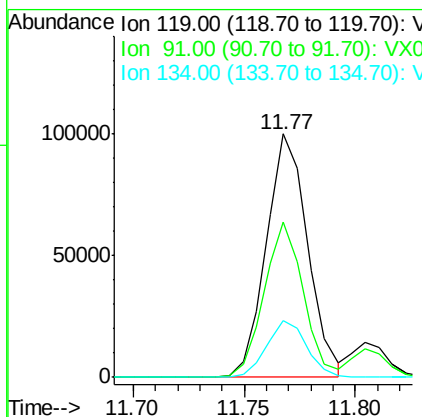
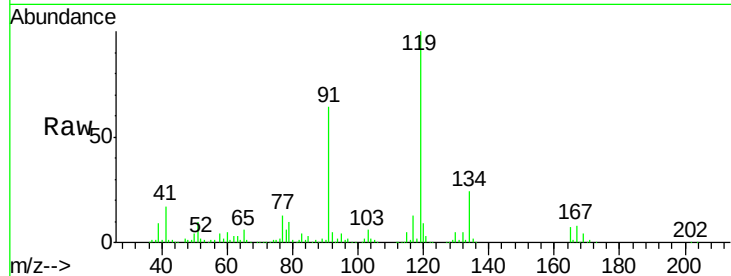
#83
 tert-Butylbenzene
 Concen: 16.690 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX009880.D
 Acq: 24 May 2019 12:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0524MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	129562		
91	60.5	29.5	88.5	
134	22.5	11.4	34.1	

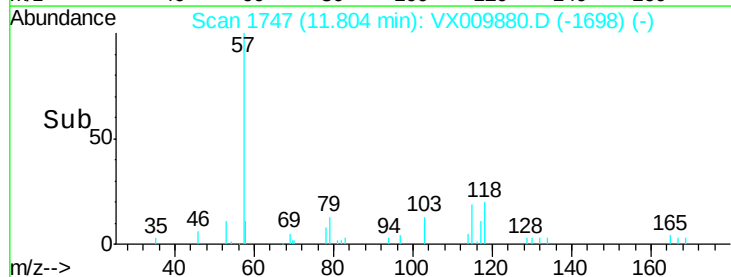
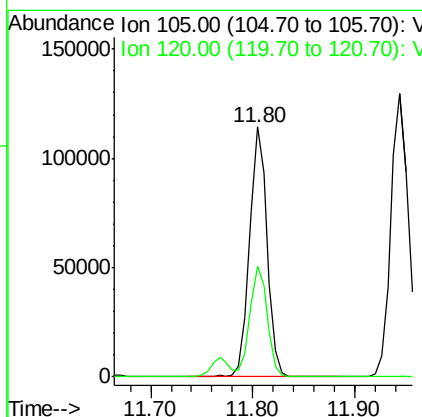
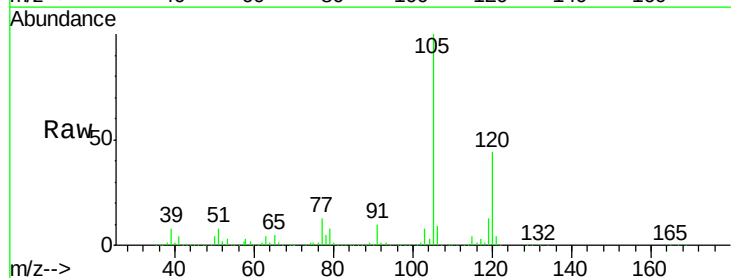
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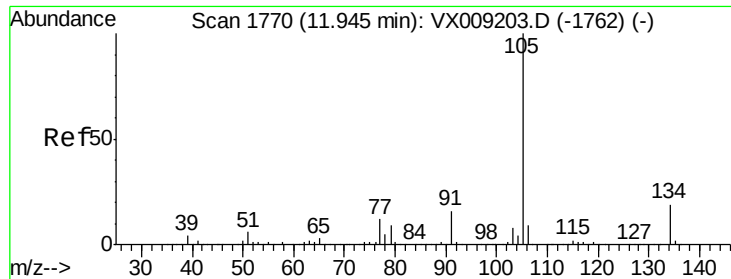
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#84
 1,2,4-Trimethylbenzene
 Concen: 17.191 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX009880.D
 Acq: 24 May 2019 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	137700		
120	43.6	22.0	66.0	





#85

sec-Butylbenzene

Concen: 17.020 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009880.D

Acq: 24 May 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VX0524MBS01

Tot Ion:105 Resp: 156647

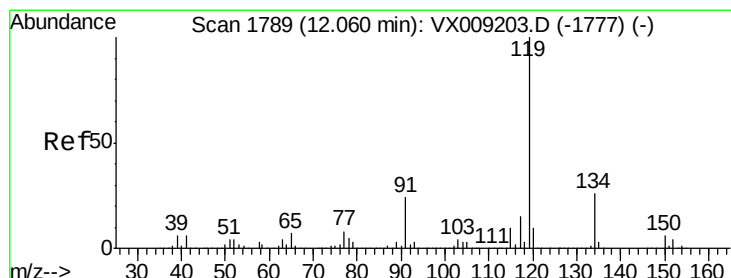
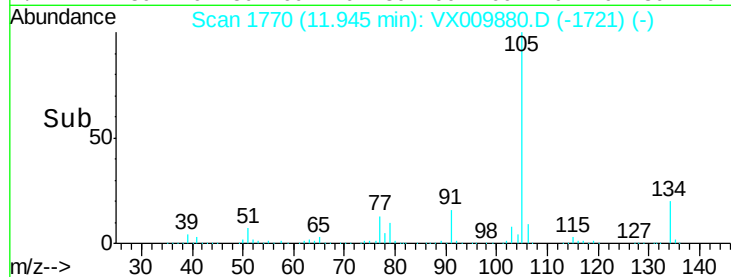
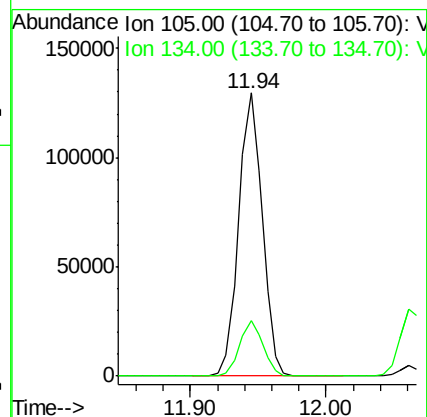
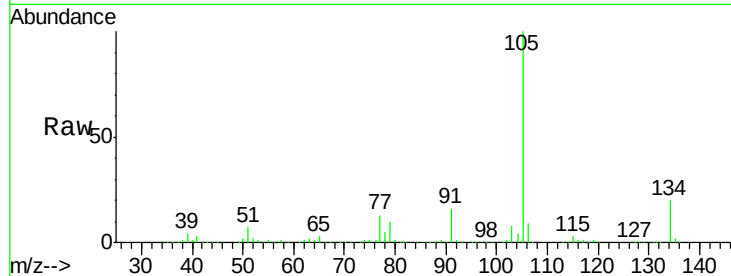
Ion Ratio Lower Upper

105 100

134 19.4 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 17.208 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009880.D

Acq: 24 May 2019 12:40

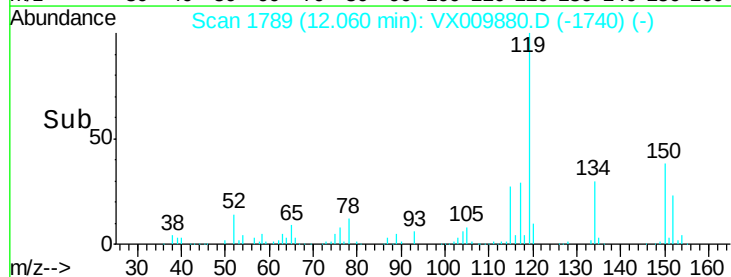
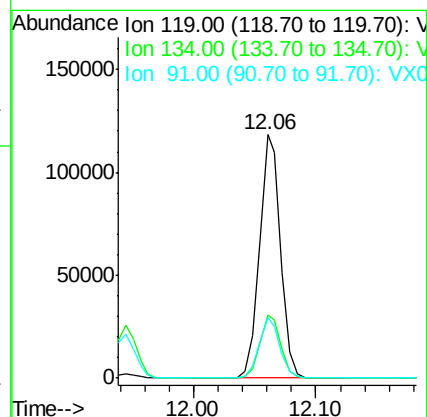
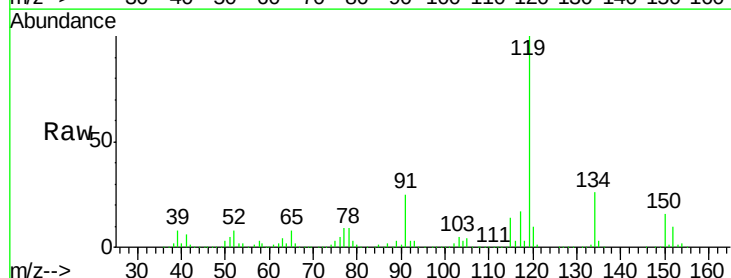
Tgt Ion:119 Resp: 142378

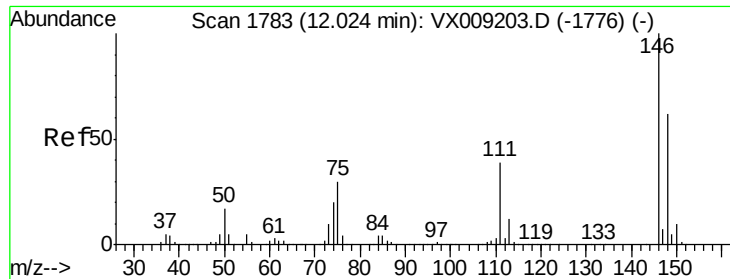
Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.7

91 24.7 11.8 35.4





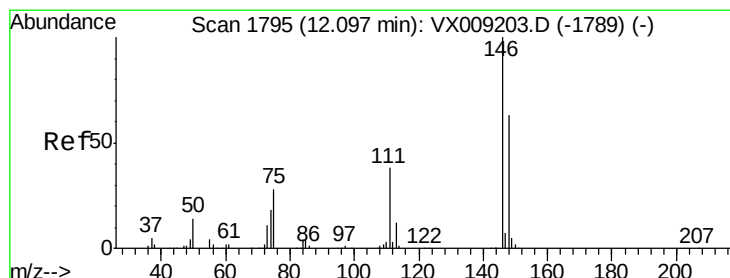
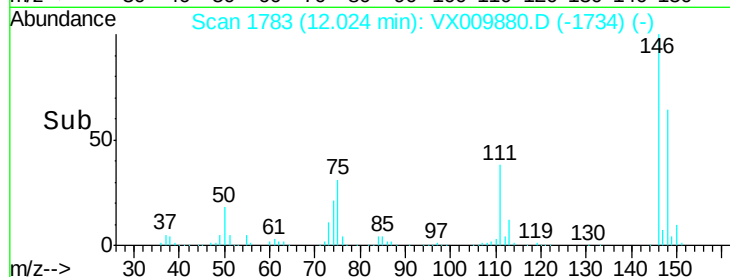
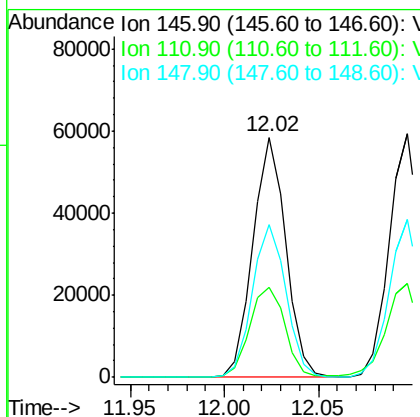
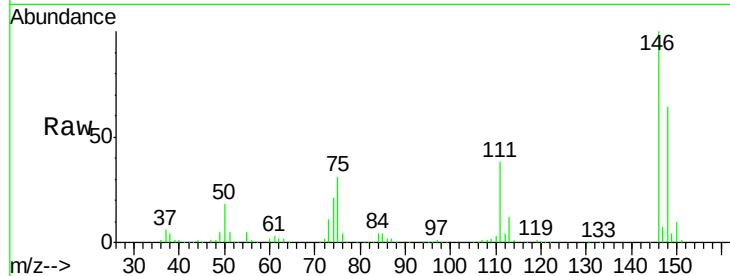
#87
 1,3-Dichlorobenzene
 Concen: 16.920 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009880.D
 Acq: 24 May 2019 12:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0524MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.0	59.9
148	64.9	31.8	95.3

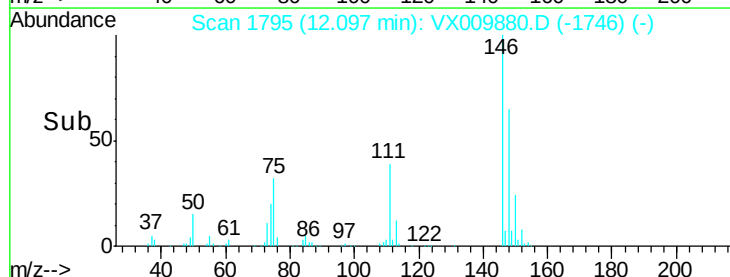
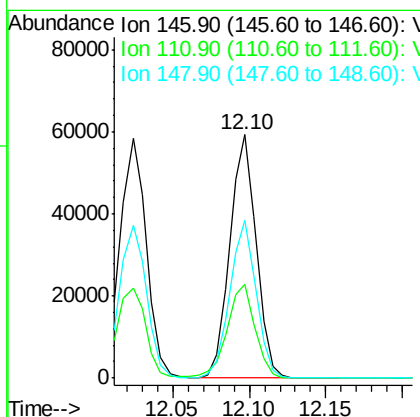
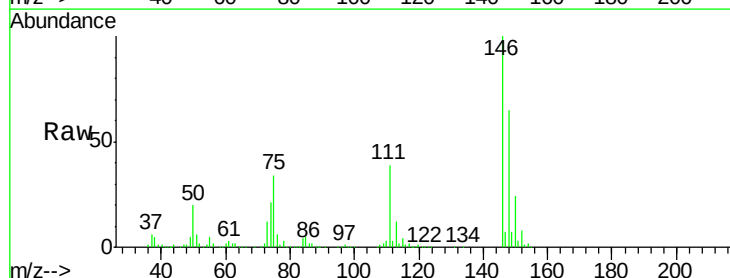
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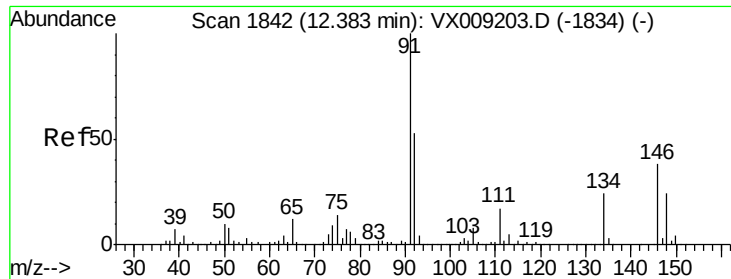
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#88
 1,4-Dichlorobenzene
 Concen: 16.727 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009880.D
 Acq: 24 May 2019 12:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	19.6	58.8
148	64.7	31.8	95.3





#89

n-Butylbenzene

Concen: 17.578 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX009880.D

Acq: 24 May 2019 12:40

Instrument :

MSVOA_X

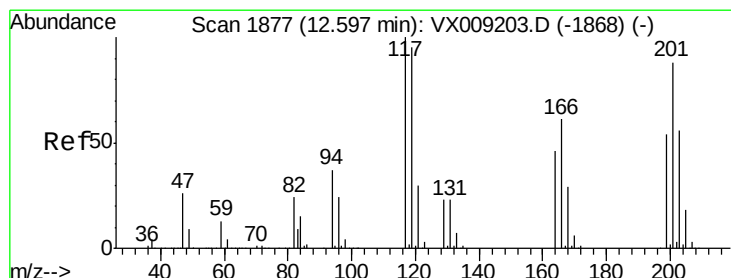
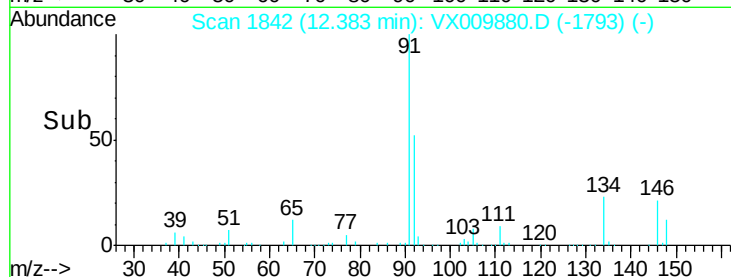
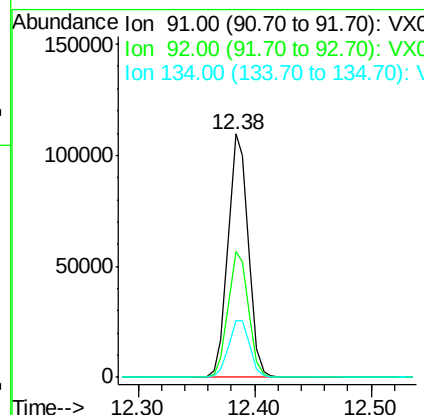
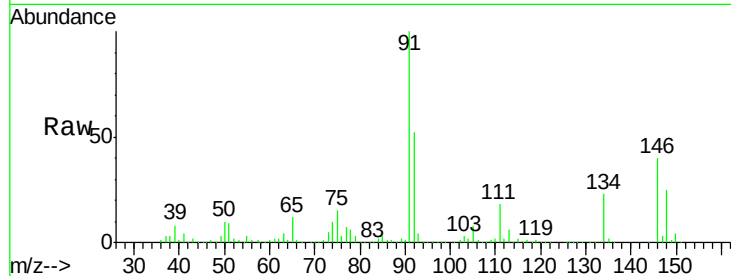
ClientSampleId :

VX0524MBS01

Tot Ion:	91	Resp:	131454
Ion Ratio	Lower	Upper	
91	100		
92	52.2	26.5	79.5
134	24.3	12.4	37.2

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#90

Hexachloroethane

Concen: 15.805 ug/l

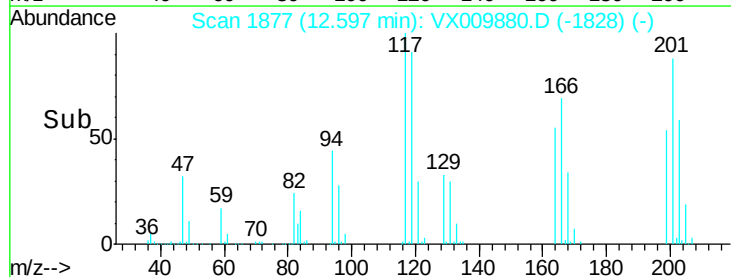
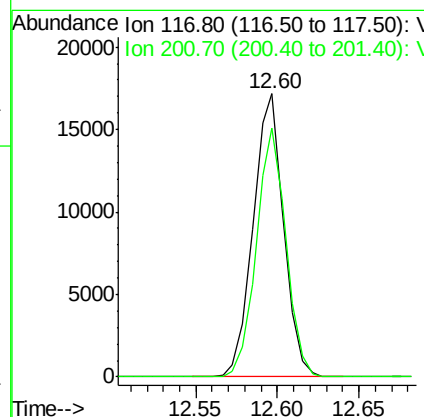
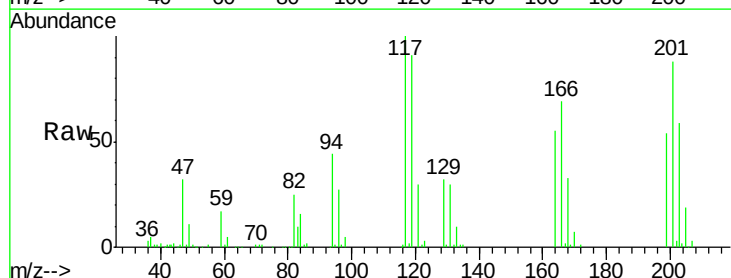
RT: 12.60 min Scan# 1877

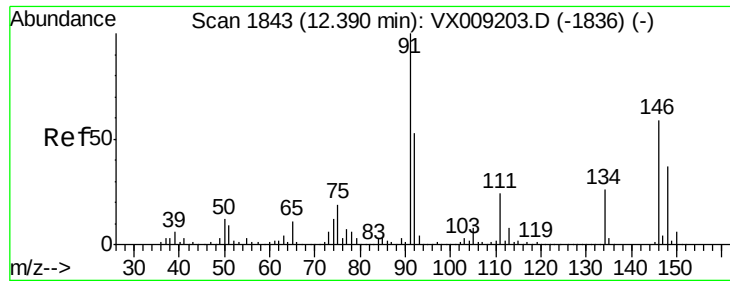
Delta R.T. 0.00 min

Lab File: VX009880.D

Acq: 24 May 2019 12:40

Tgt Ion:	117	Resp:	22278
Ion Ratio	Lower	Upper	
117	100		
201	85.3	42.3	126.9





#91

1,2-Dichlorobenzene

Concen: 16.711 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX009880.D

Acq: 24 May 2019 12:40

Instrument :

MSVOA_X

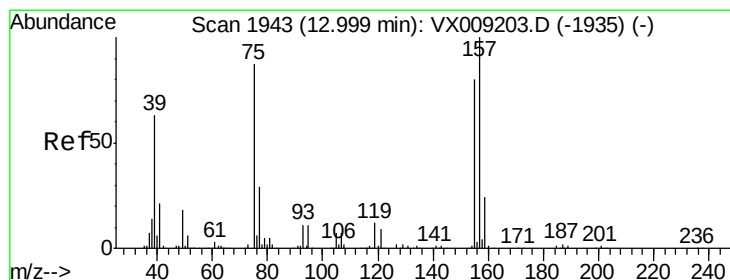
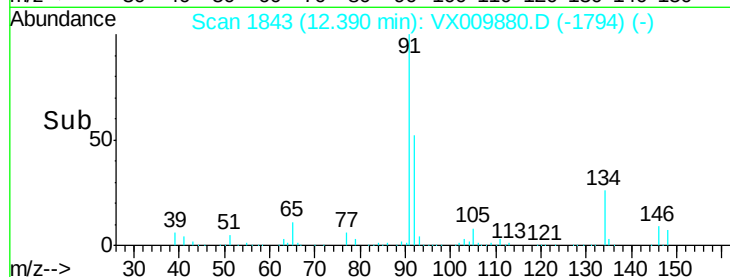
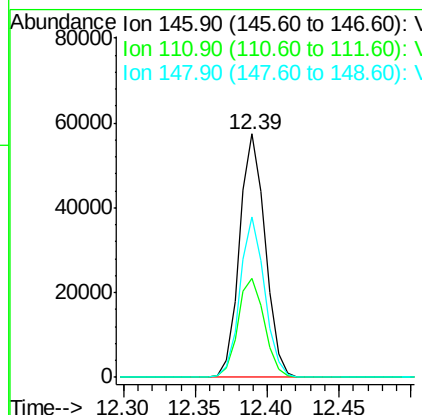
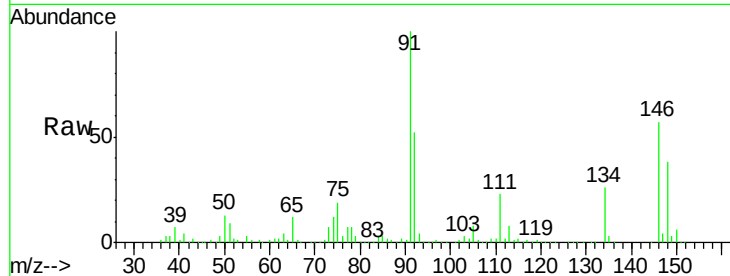
ClientSampleId :

VX0524MBS01

Tot Ion:	146	Resp:	71374
Ion Ratio	Lower	Upper	
146	100		
111	42.0	20.8	62.4
148	62.8	31.9	95.9

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#92

1,2-Dibromo-3-Chloropropane

Concen: 16.920 ug/l

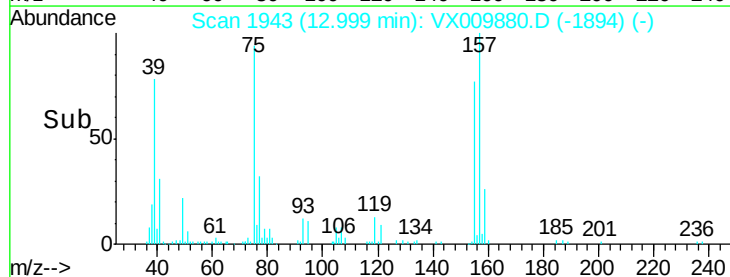
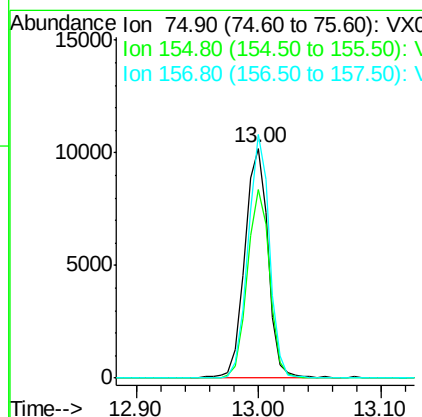
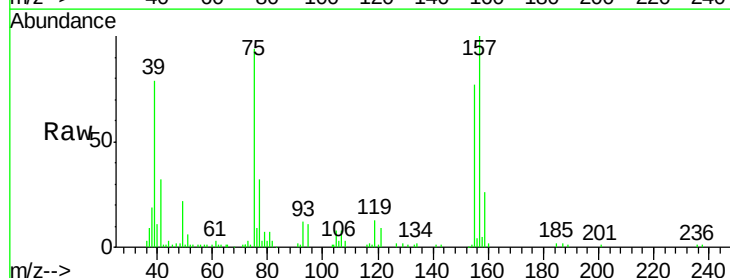
RT: 13.00 min Scan# 1943

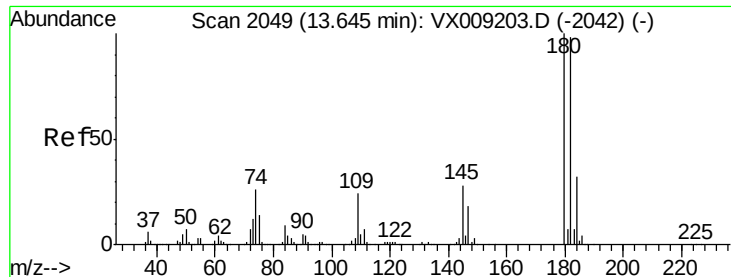
Delta R.T. 0.00 min

Lab File: VX009880.D

Acq: 24 May 2019 12:40

Tgt Ion:	75	Resp:	13410
Ion Ratio	Lower	Upper	
75	100		
155	78.7	42.0	126.0
157	97.9	53.2	159.6





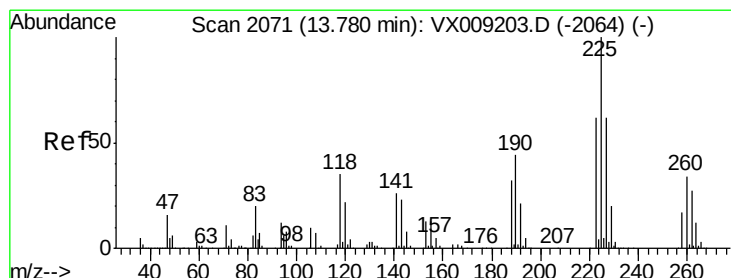
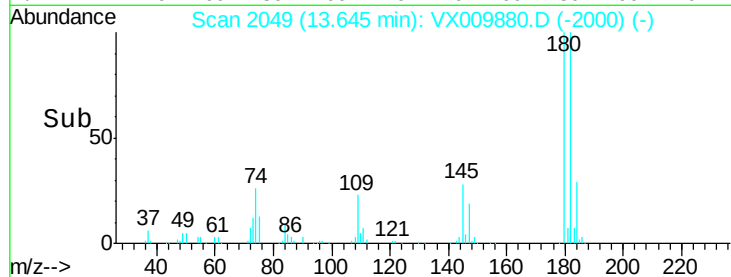
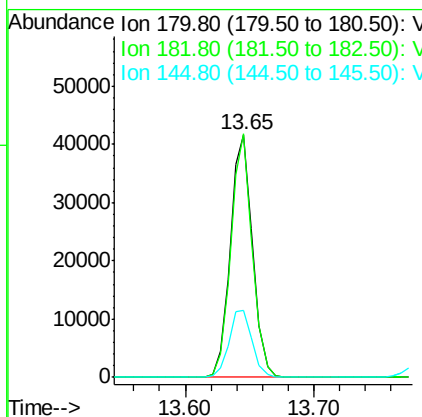
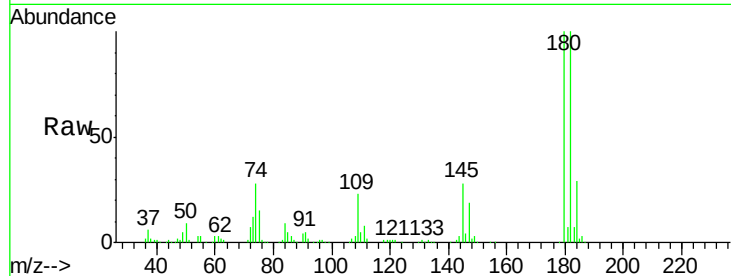
#93
 1,2,4-Trichlorobenzene
 Concen: 17.196 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009880.D
 Acq: 24 May 2019 12:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0524MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	50225		
182	96.5	48.4	145.2	
145	28.9	14.6	43.8	

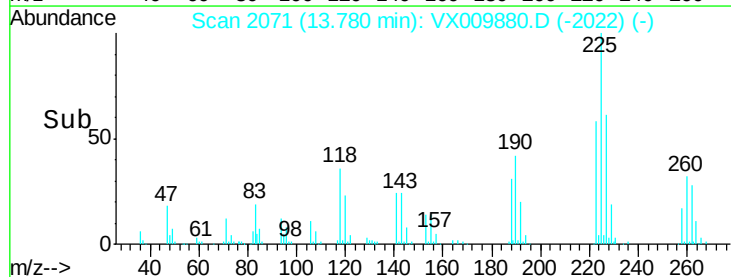
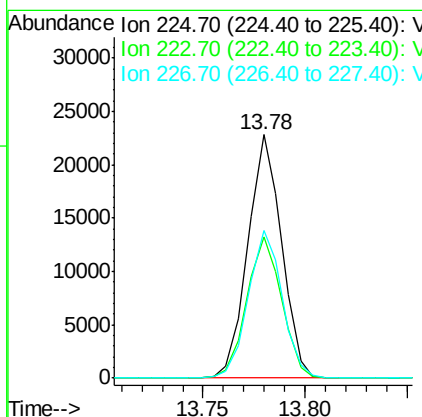
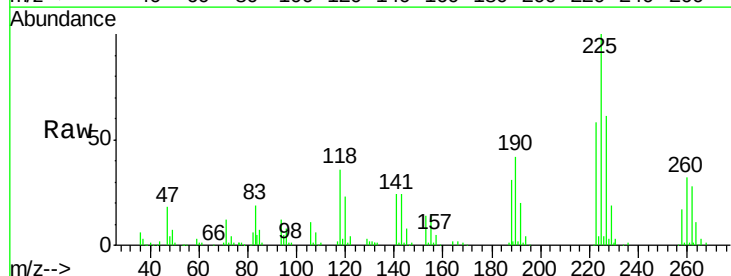
Manual Integrations
 APPROVED

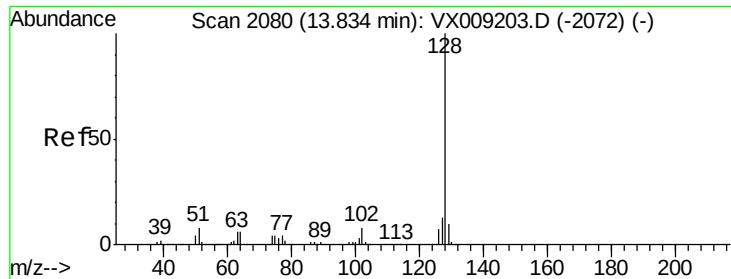
MMDadoda
 5/28/2019 9:52:04 AM



#94
 Hexachlorobutadiene
 Concen: 17.581 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009880.D
 Acq: 24 May 2019 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	26222		
223	59.9	31.3	93.8	
227	61.2	31.8	95.3	





#95

Naphthalene

Concen: 16.860 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX009880.D

Acq: 24 May 2019 12:40

Instrument :

MSVOA_X

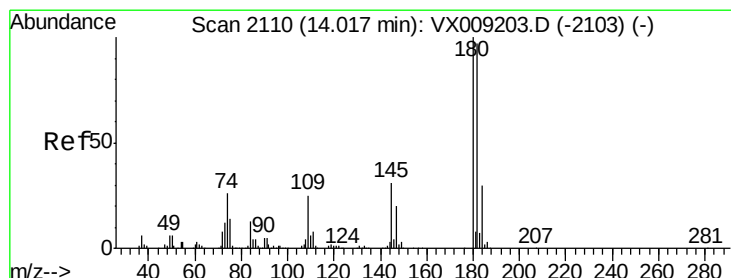
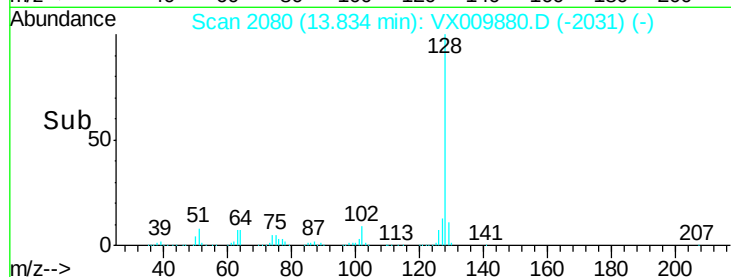
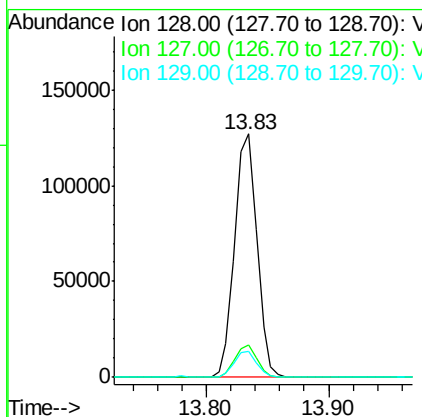
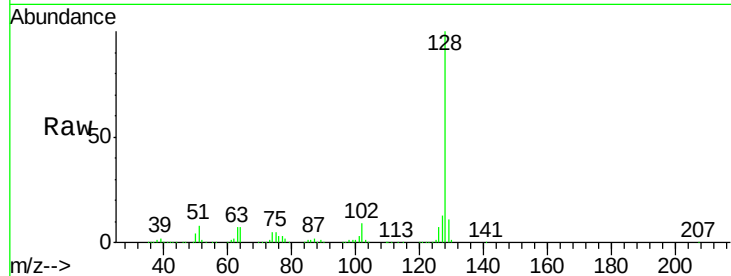
ClientSampleId :

VX0524MBS01

Tot Ion:	128	Resp:	160215
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/28/2019 9:52:04 AM



#96

1,2,3-Trichlorobenzene

Concen: 17.117 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009880.D

Acq: 24 May 2019 12:40

Tgt Ion:	180	Resp:	50678
Ion Ratio	Lower	Upper	
180	100		
182	96.3	47.8	143.4
145	31.5	15.4	46.4

