

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052119\
 Data File : VX009766.D
 Acq On : 21 May 2019 22:25
 Operator : JC/SP
 Sample : K2910-10MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0229MS

Manual Integrations
 APPROVED

MMDadoda
 5/22/2019 10:39:57 AM

Quant Time: May 22 08:28:30 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	160397	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	258997	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	238446	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	120169	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	86995	39.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.46%	
35) Dibromofluoromethane	5.49	113	64776	39.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.56%	
50) Toluene-d8	8.71	98	248631	37.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.64%	
62) 4-Bromofluorobenzene	11.13	95	95629	40.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	64625	43.722	ug/l	98
3) Chloromethane	1.32	50	95968	47.557	ug/l	99
4) Vinyl Chloride	1.41	62	100740	51.195	ug/l	99
5) Bromomethane	1.64	94	56745	48.045	ug/l	99
6) Chloroethane	1.71	64	63635	50.369	ug/l	99
7) Trichlorofluoromethane	1.92	101	112787	47.153	ug/l	98
8) Diethyl Ether	2.19	74	53467	47.190	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	67025	44.622	ug/l	100
10) Methyl Iodide	2.51	142	79906	46.173	ug/l	99
11) Tert butyl alcohol	3.05	59	119895	236.553	ug/l	100
12) 1,1-Dichloroethene	2.37	96	70551	46.878	ug/l	99
13) Acrolein	2.29	56	97340	212.064	ug/l	97
14) Allyl chloride	2.73	41	171411	46.736	ug/l	99
15) Acrylonitrile	3.14	53	297770	240.280	ug/l	99
16) Acetone	2.45	43	259845	221.006	ug/l	96
17) Carbon Disulfide	2.57	76	218270	51.657	ug/l	99
18) Methyl Acetate	2.78	43	115550	41.325	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	275708	47.176	ug/l	100
20) Methylene Chloride	2.85	84	87374	45.897	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	78463	48.073	ug/l	97
22) Diisopropyl ether	3.85	45	338569	48.001	ug/l	99
23) Vinyl Acetate	3.81	43	1404045	232.463	ug/l	99
24) 1,1-Dichloroethane	3.70	63	163906	47.106	ug/l	99
25) 2-Butanone	4.67	43	438914	240.230	ug/l	97
26) 2,2-Dichloropropane	4.59	77	94962	36.666	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	90694	46.553	ug/l	99
28) Bromochloromethane	5.02	49	84751	61.117	ug/l	97
29) Tetrahydrofuran	5.13	42	295750	251.552	ug/l	98
30) Chloroform	5.21	83	149613	47.542	ug/l	98
31) Cyclohexane	5.58	56	157441	48.635	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	123630	47.192	ug/l	99
36) 1,1-Dichloropropene	5.80	75	114140	47.422	ug/l	99
37) Ethyl Acetate	4.83	43	153572	45.794	ug/l	99
38) Carbon Tetrachloride	5.78	117	102041	46.662	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	137393	46.481	ug/l	99
40) Benzene	6.14	78	353464	47.452	ug/l	99
41) Methacrylonitrile	5.04	41	95347	47.763	ug/l	98
42) 1,2-Dichloroethane	6.20	62	130056	48.673	ug/l	99
43) Isopropyl Acetate	6.45	43	251530	46.891	ug/l	99
44) Trichloroethene	7.21	130	81988	45.529	ug/l	98
45) 1,2-Dichloropropane	7.51	63	100452	47.625	ug/l	98
46) Dibromomethane	7.66	93	57525	46.965	ug/l	99
47) Bromodichloromethane	7.90	83	115981	47.470	ug/l	98
48) Methyl methacrylate	7.77	41	133914	50.320	ug/l	98
49) 1,4-Dioxane	7.74	88	45463	842.371	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	888891	253.526	ug/l	99
52) Toluene	8.78	92	214146	47.294	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	131644	47.724	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	142667	46.727	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	86682	46.924	ug/l	96
56) Ethyl methacrylate	9.18	69	161254	48.902	ug/l	97
57) 1,3-Dichloropropane	9.37	76	152974	47.058	ug/l	99
59) 2-Hexanone	9.49	43	691947	251.283	ug/l	98
60) Dibromochloromethane	9.58	129	86922	48.177	ug/l	99
61) 1,2-Dibromoethane	9.67	107	89458	47.974	ug/l	100
64) Tetrachloroethene	9.34	164	69296	42.366	ug/l	98
65) Chlorobenzene	10.14	112	221648	46.467	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	79126	45.756	ug/l	100
67) Ethyl Benzene	10.25	91	412441	46.983	ug/l	100
68) m/p-Xylenes	10.36	106	304653	94.967	ug/l	99
69) o-Xylene	10.69	106	147725	46.672	ug/l	98
70) Stvrene	10.71	104	259937	47.250	ug/l	99
71) Bromoform	10.85	173	67209	47.824	ug/l #	99
73) Isopropylbenzene	11.02	105	393275	45.005	ug/l	99
74) N-amyl acetate	10.90	43	224970	44.158	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	151205	46.416	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	127980m	45.912	ug/l	
77) Bromobenzene	11.26	156	99156	45.716	ug/l	100
78) n-propylbenzene	11.36	91	454657	45.557	ug/l	100
79) 2-Chlorotoluene	11.42	91	273856	44.478	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	336928	45.791	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	45658	41.910	ug/l	96
82) 4-Chlorotoluene	11.51	91	316031	45.435	ug/l	100
83) tert-Butylbenzene	11.77	119	325716	45.506	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	338891	45.886	ug/l	100
85) sec-Butylbenzene	11.94	105	380894	44.885	ug/l	100
86) p-Isopropyltoluene	12.06	119	348574	45.691	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	174856	45.223	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	175456	45.010	ug/l	100
89) n-Butylbenzene	12.38	91	314959	45.678	ug/l	100
90) Hexachloroethane	12.59	117	58039	44.655	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	176724	44.874	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	34572	47.309	ug/l	96
93) 1,2,4-Trichlorobenzene	13.65	180	122098	45.337	ug/l	98

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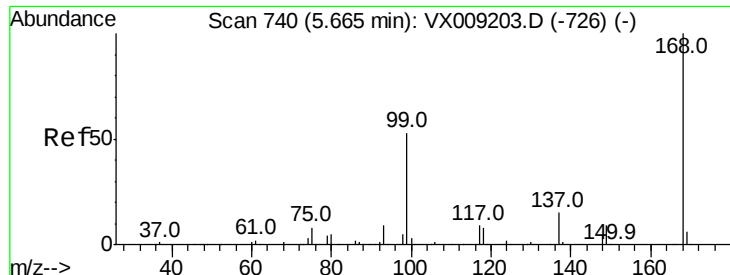
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	58956	42.869	ug/l	97
95) Naphthalene	13.83	128	400938	45.760	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	123408	45.206	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009766.D

Acq: 21 May 2019 22:25

Instrument :

MSVOA_X

ClientSampleId :

S73-0229MS

Tot Ion:168 Resp: 160397

Ion Ratio Lower Upper

168 100

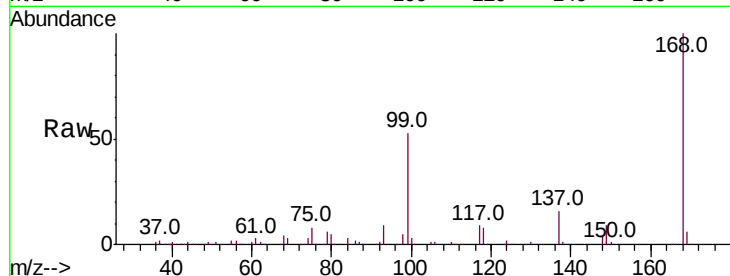
99 53.3 42.3 63.5

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

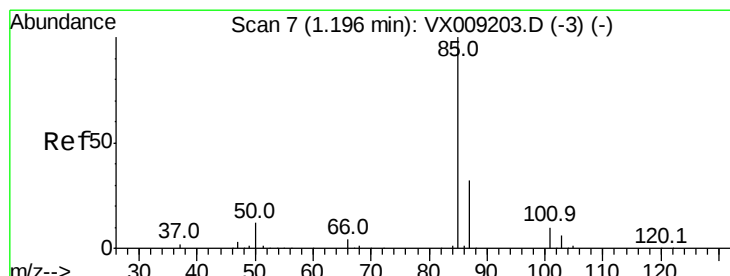
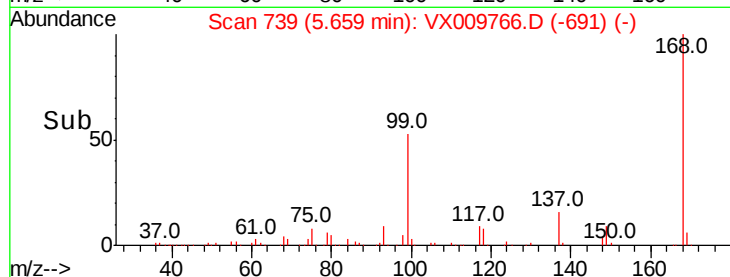
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 43.722 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009766.D

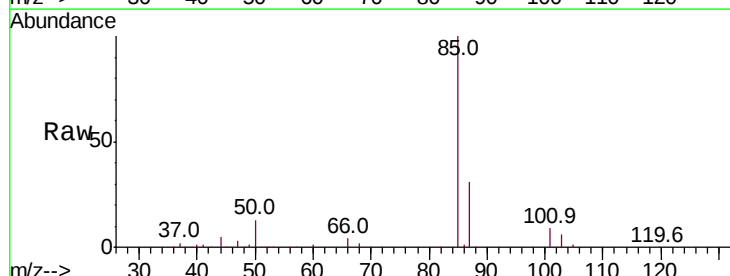
Acq: 21 May 2019 22:25

Tgt Ion: 85 Resp: 64625

Ion Ratio Lower Upper

85 100

87 31.0 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

60000

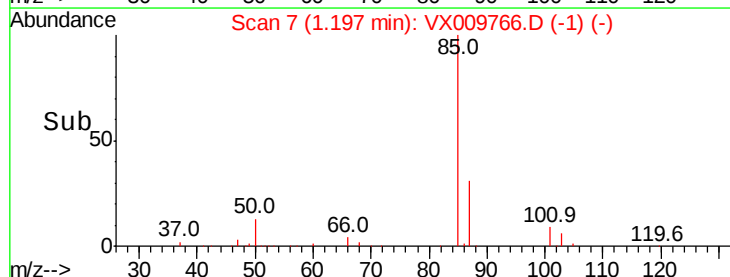
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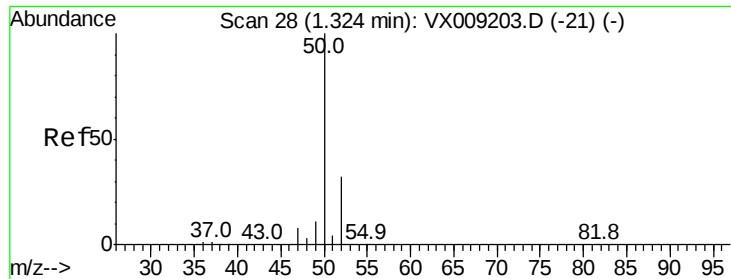
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Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 47.557 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009766.D

Acq: 21 May 2019 22:25

Instrument :

MSVOA_X

ClientSampled :

S73-0229MS

Tot Ion: 50 Resp: 95968

Ion Ratio Lower Upper

50 100

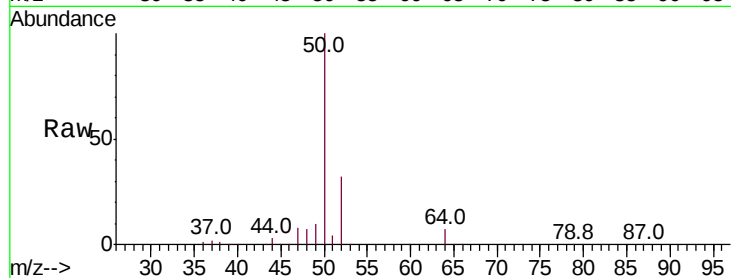
52 32.1 25.9 38.9

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

100000

80000

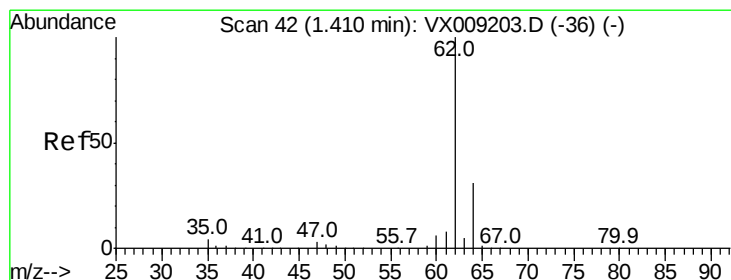
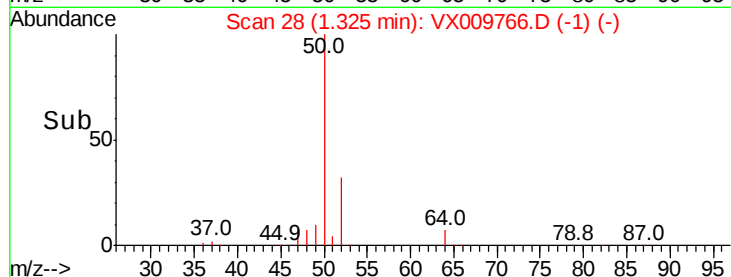
60000

40000

20000

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Time-->



#4

Vinyl Chloride

Concen: 51.195 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009766.D

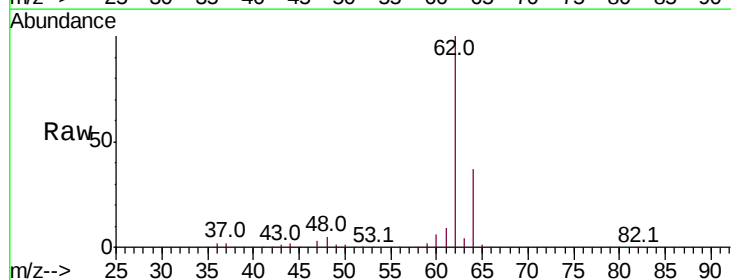
Acq: 21 May 2019 22:25

Tgt Ion: 62 Resp: 100740

Ion Ratio Lower Upper

62 100

64 31.4 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

100000

80000

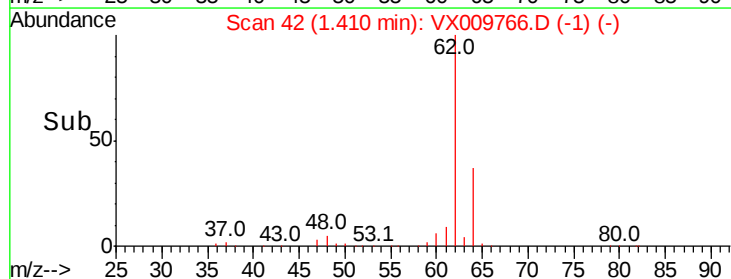
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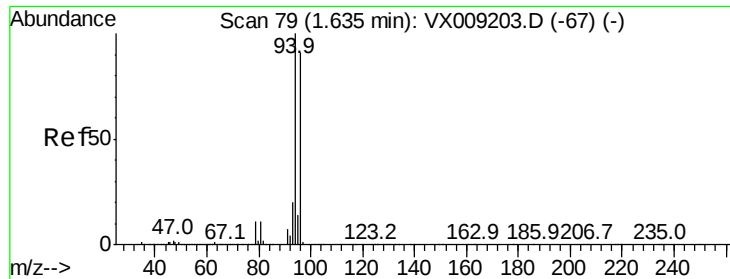
40000

20000

0

Time-->





#5

Bromomethane

Concen: 48.045 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009766.D

Acq: 21 May 2019 22:25

Instrument :

MSVOA_X

ClientSampleId :

S73-0229MS

Tot Ion: 94 Resp: 56745

Ion Ratio Lower Upper

94 100

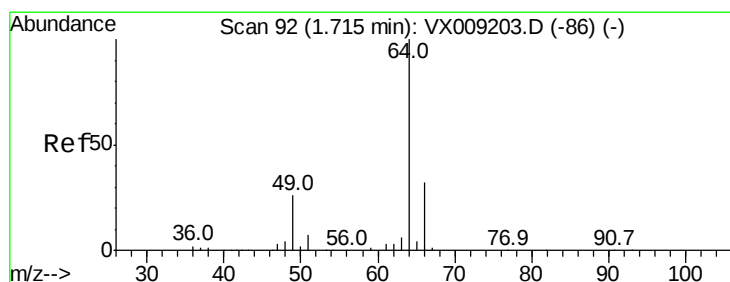
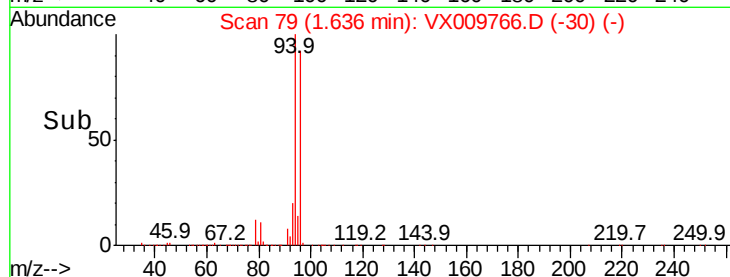
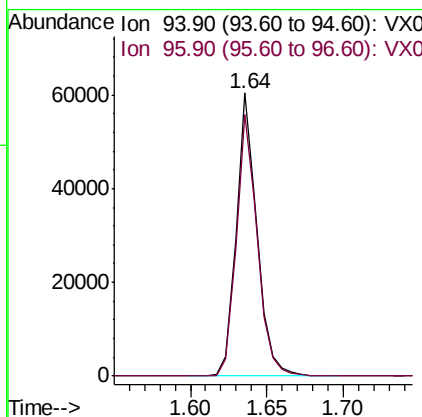
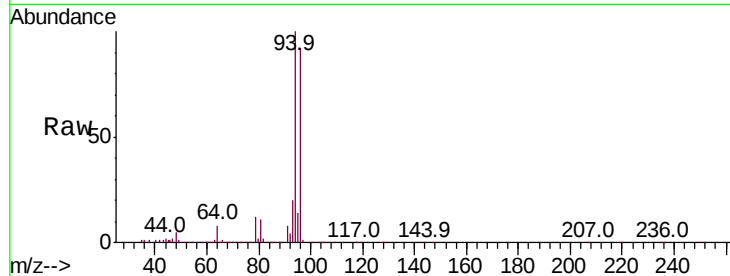
96 92.1 73.0 109.6

Manual Integrations

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#6

Chloroethane

Concen: 50.369 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX009766.D

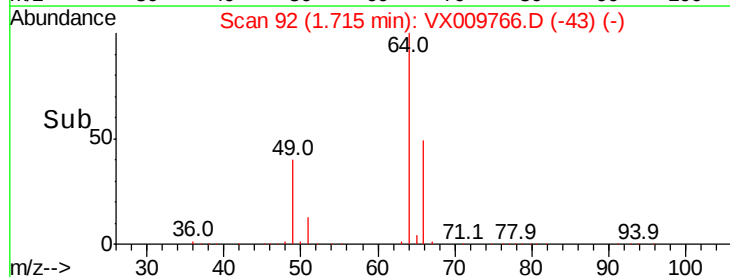
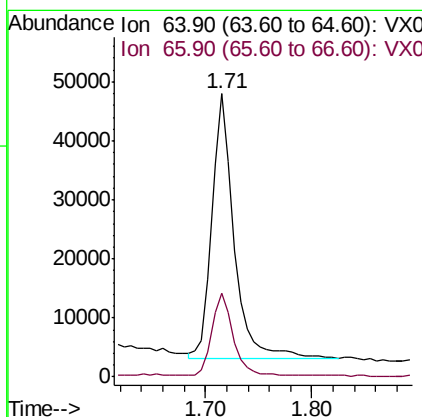
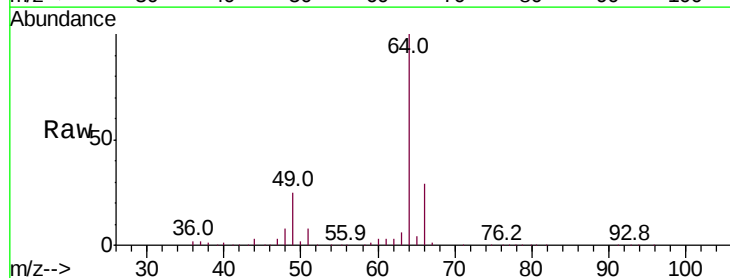
Acq: 21 May 2019 22:25

Tgt Ion: 64 Resp: 63635

Ion Ratio Lower Upper

64 100

66 31.1 25.3 37.9





#7

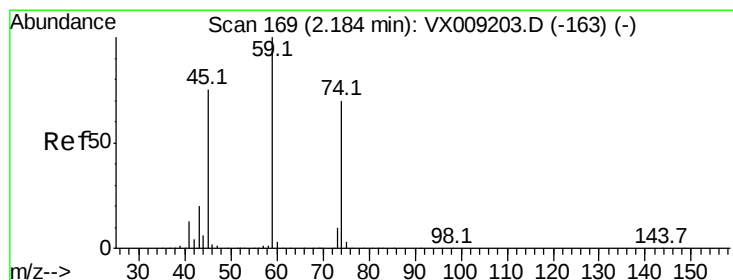
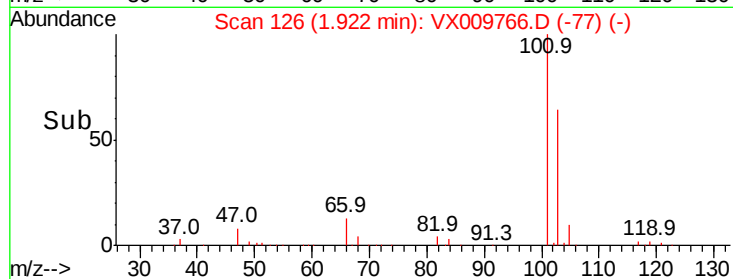
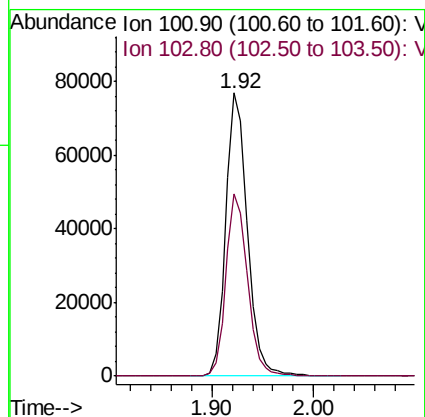
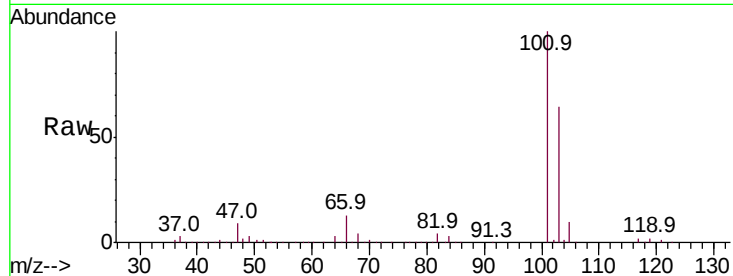
Trichlorofluoromethane
 Concen: 47.153 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX009766.D
 Acq: 21 May 2019 22:25

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 S73-0229MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100	100	112787		
103	64.3	52.4	78.6		

Manual Integrations
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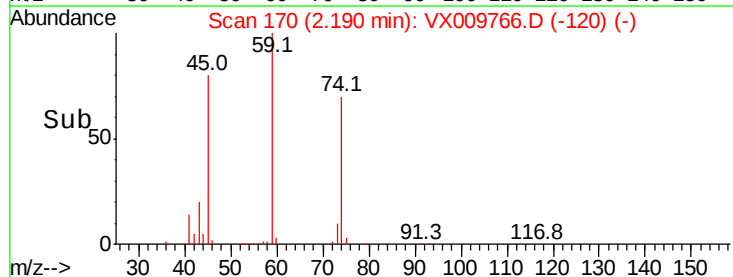
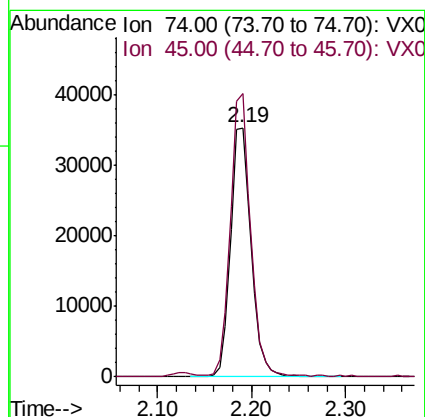
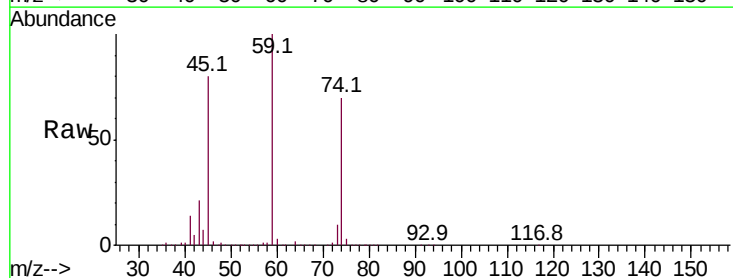
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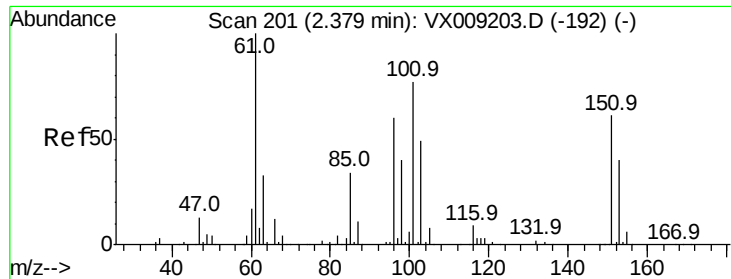


#8

Diethyl Ether
 Concen: 47.190 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009766.D
 Acq: 21 May 2019 22:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100	100	53467		
45	111.0	53.3	159.9		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.622 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009766.D

Acq: 21 May 2019 22:25

Instrument :

MSVOA_X

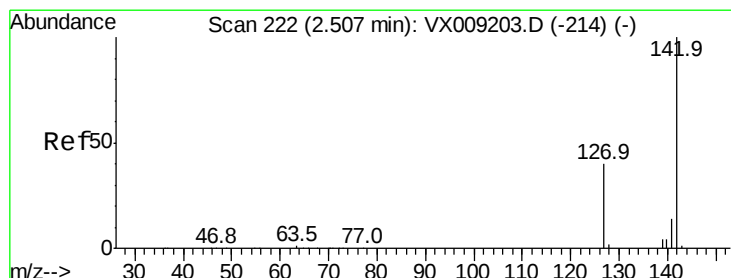
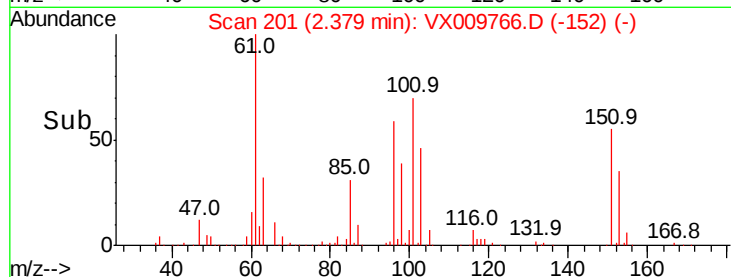
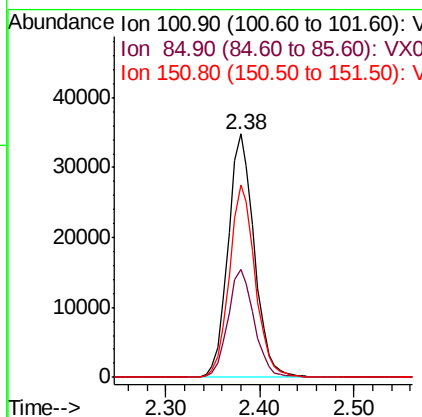
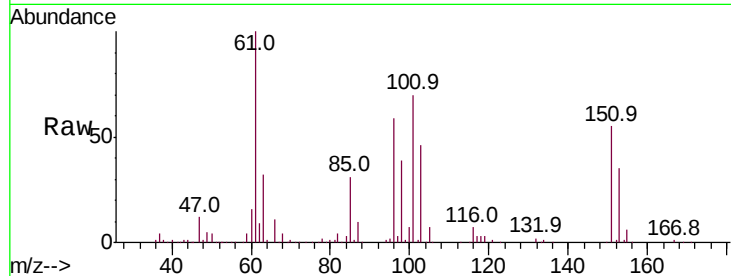
ClientSampleId :

S73-0229MS

Tot Ion:	101	Resp:	67025
Ion Ratio	Lower	Upper	
101	100		
85	44.6	35.7	53.5
151	78.1	62.2	93.2

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#10

Methyl Iodide

Concen: 46.173 ug/l

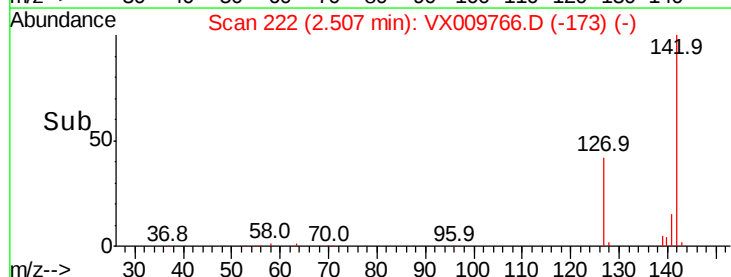
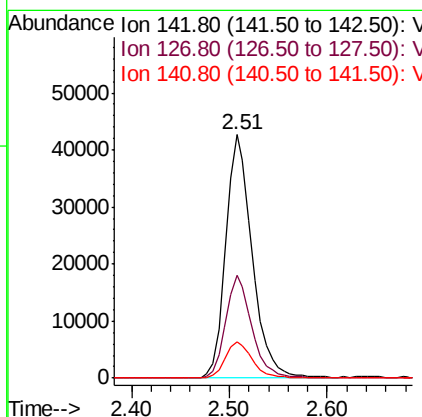
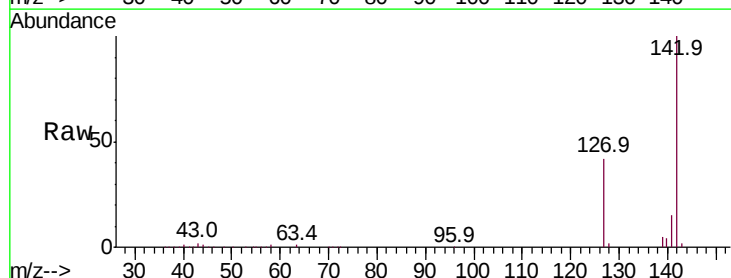
RT: 2.51 min Scan# 222

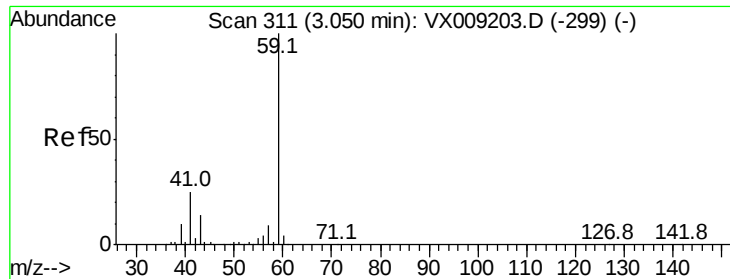
Delta R.T. 0.00 min

Lab File: VX009766.D

Acq: 21 May 2019 22:25

Tgt Ion:	142	Resp:	79906
Ion Ratio	Lower	Upper	
142	100		
127	41.6	32.7	49.1
141	15.2	11.5	17.3





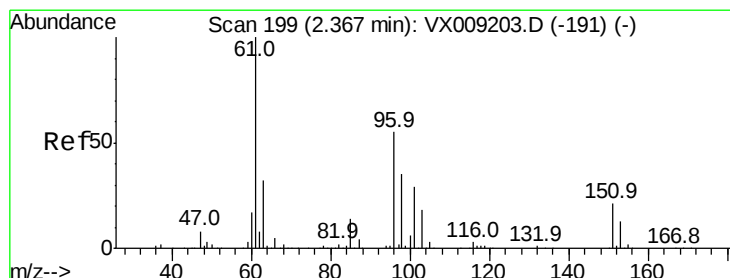
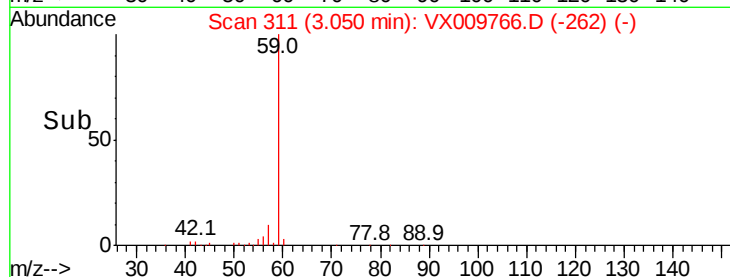
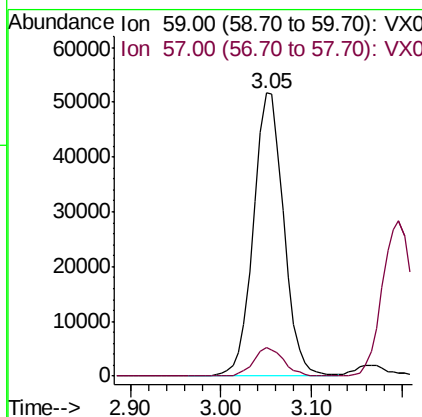
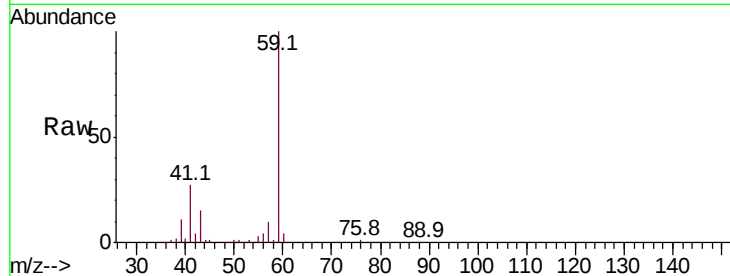
#11
Tert butyl alcohol
Concen: 236.553 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX009766.D
Acq: 21 May 2019 22:25

Instrument :
MSVOA_X
ClientSampleId :
S73-0229MS

Tot Ion	59	Resp	119895
Ion Ratio	100	Lower	Upper
57	10.2	8.2	12.2

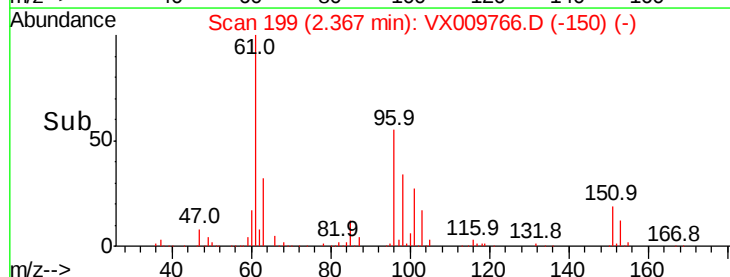
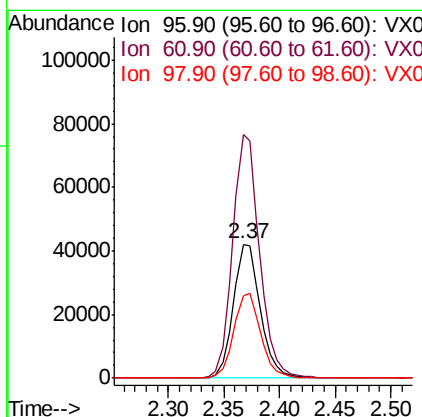
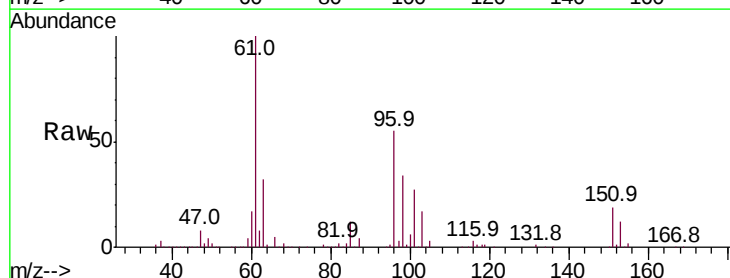
Manual Integrations
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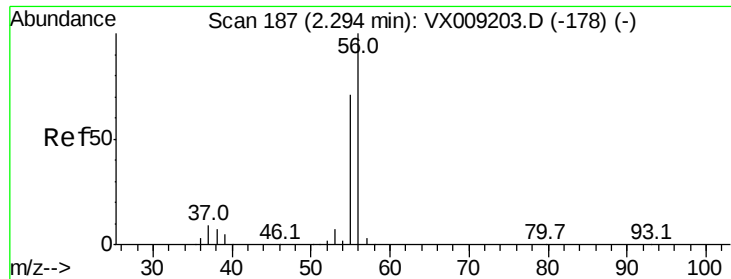
MMDadoda
5/22/2019 10:39:57 AM



#12
1,1-Dichloroethene
Concen: 46.878 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX009766.D
Acq: 21 May 2019 22:25

Tgt Ion	96	Resp	70551
Ion Ratio	100	Lower	Upper
61	181.7	144.3	216.5
98	61.4	50.3	75.5





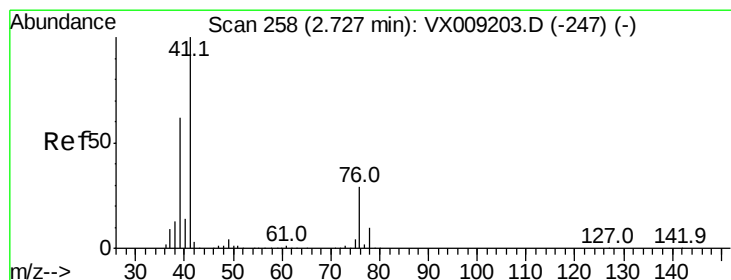
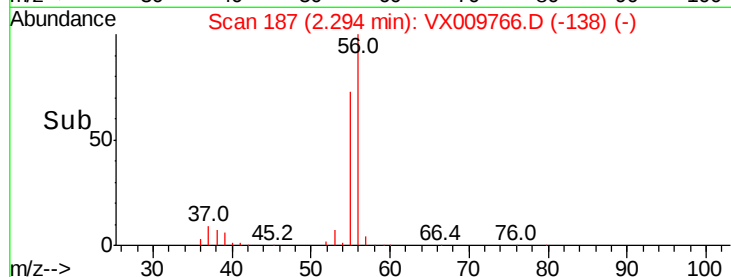
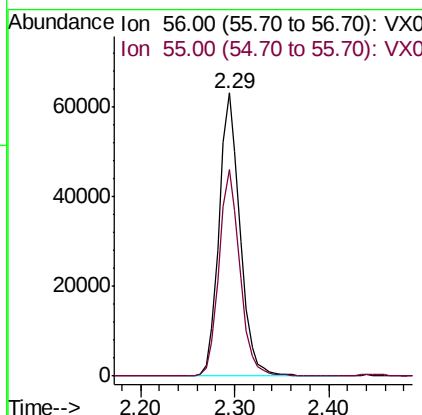
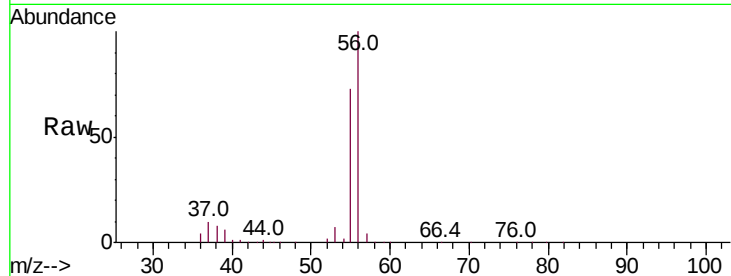
#13
Acrolein
Concen: 212.064 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX009766.D
Acq: 21 May 2019 22:25

Instrument :
MSVOA_X
ClientSampleId :
S73-0229MS

Tot Ion: 56 Resp: 97340
Ion Ratio Lower Upper
56 100
55 73.3 56.6 85.0

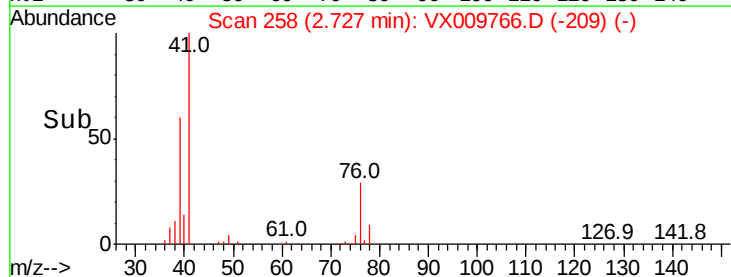
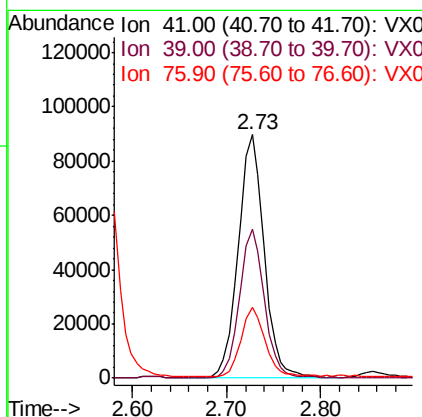
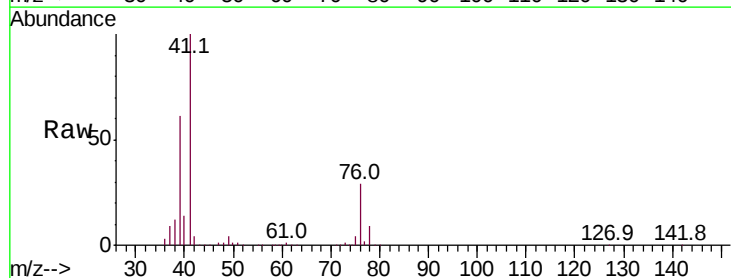
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#14
Allyl chloride
Concen: 46.736 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX009766.D
Acq: 21 May 2019 22:25

Tgt Ion: 41 Resp: 171411
Ion Ratio Lower Upper
41 100
39 59.0 46.7 70.1
76 26.5 21.8 32.8





#15

Acrylonitrile

Concen: 240.280 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009766.D

Acq: 21 May 2019 22:25

Instrument :

MSVOA_X

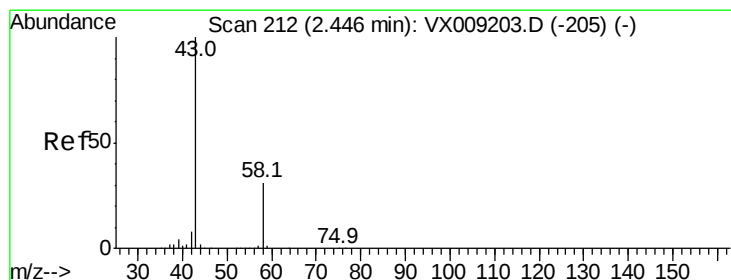
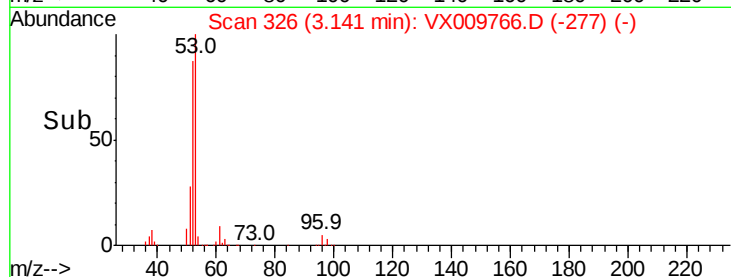
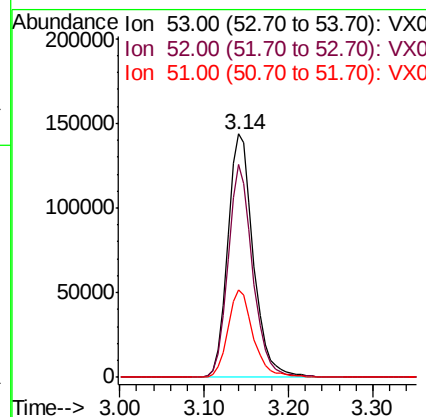
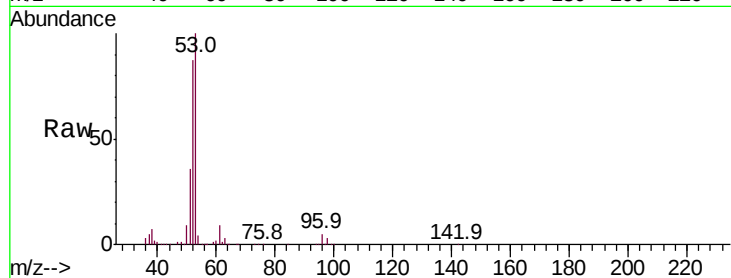
ClientSampleId :

S73-0229MS

Tot Ion:	53	Resp:	297770
Ion	Ratio	Lower	Upper
53	100		
52	84.2	66.9	100.3
51	36.1	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 221.006 ug/l

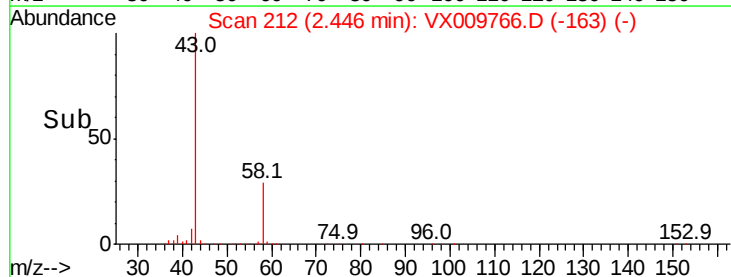
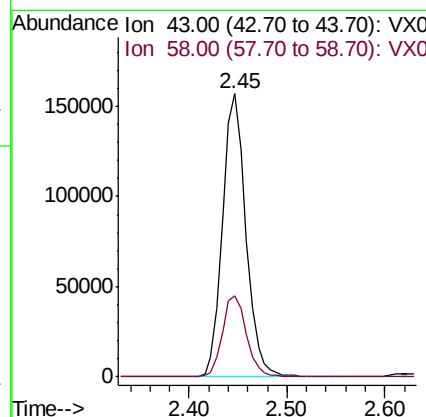
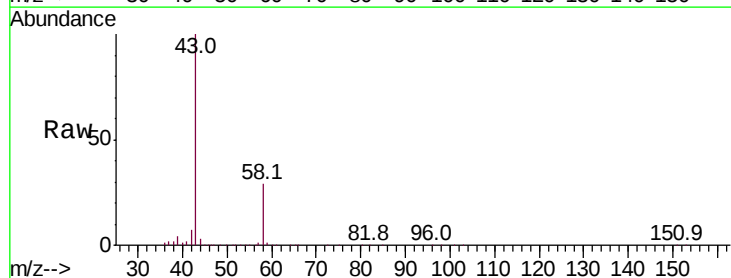
RT: 2.45 min Scan# 212

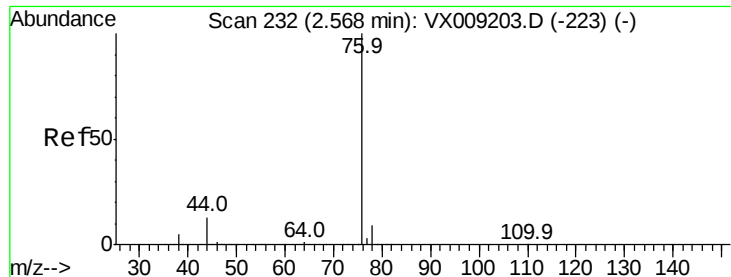
Delta R.T. 0.00 min

Lab File: VX009766.D

Acq: 21 May 2019 22:25

Tgt Ion:	43	Resp:	259845
Ion	Ratio	Lower	Upper
43	100		
58	28.7	24.9	37.3





#17

Carbon Disulfide

Concen: 51.657 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009766.D

Acq: 21 May 2019 22:25

Instrument :

MSVOA_X

ClientSampleId :

S73-0229MS

Tot Ion: 76 Resp: 218270

Ion Ratio Lower Upper

76 100

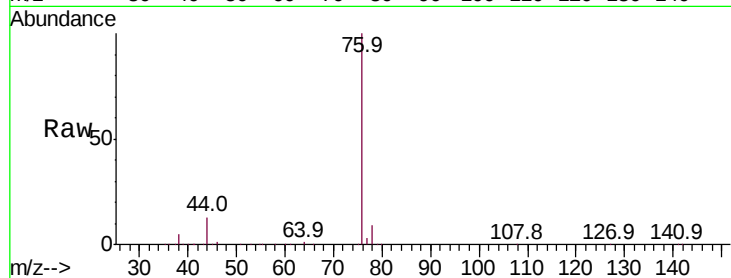
78 9.0 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

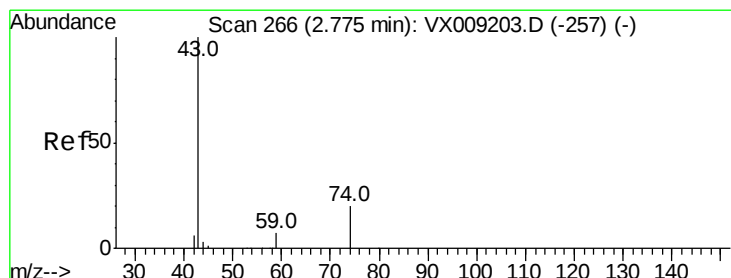
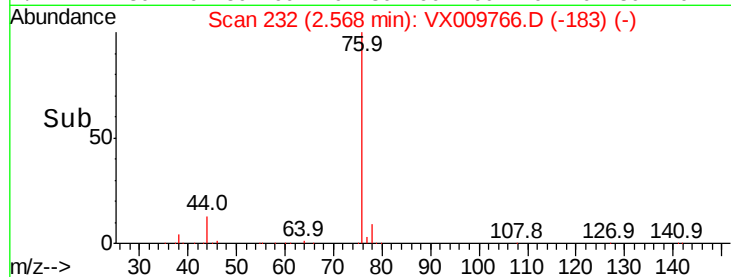
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 41.325 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009766.D

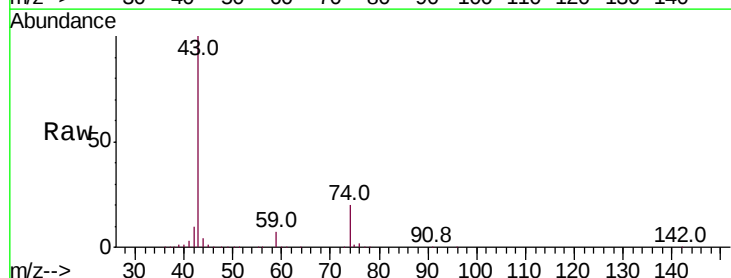
Acq: 21 May 2019 22:25

Tgt Ion: 43 Resp: 115550

Ion Ratio Lower Upper

43 100

74 19.6 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

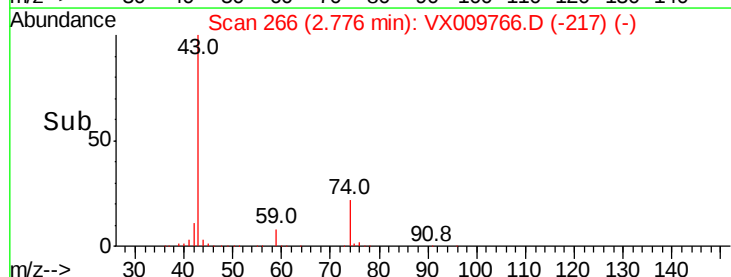
60000

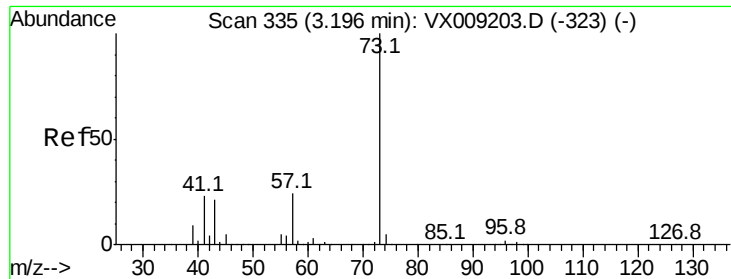
40000

20000

0

Time-->





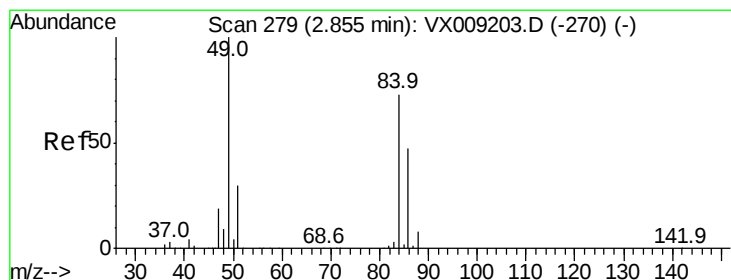
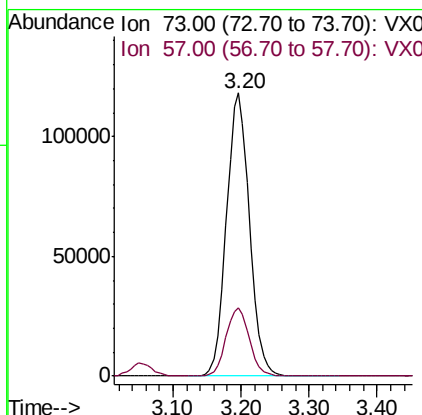
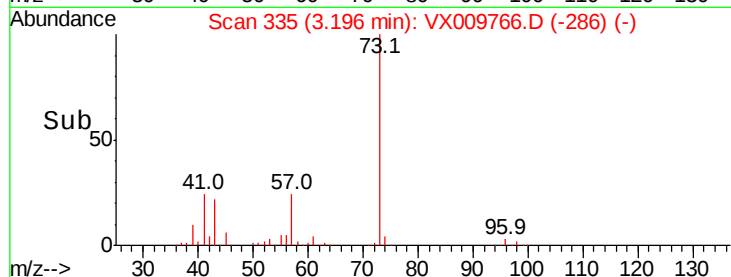
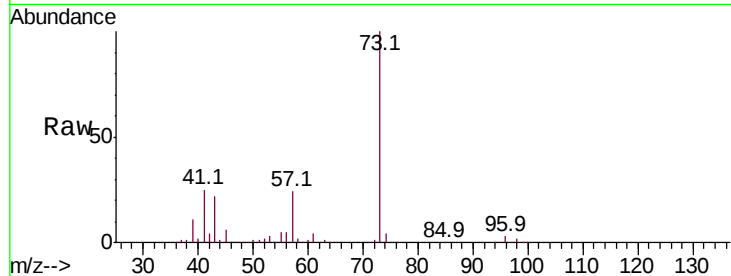
#19
Methvl tert-butvl Ether
Concen: 47.176 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009766.D
Acq: 21 May 2019 22:25

Instrument :
MSVOA_X
ClientSampled :
S73-0229MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.9	19.3	28.9

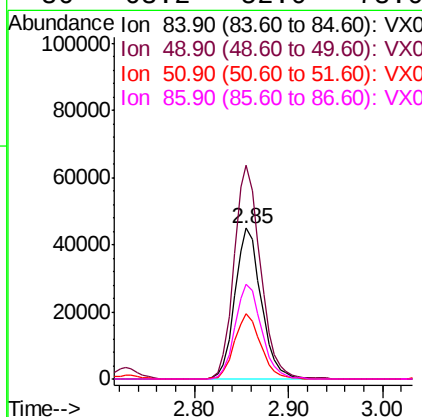
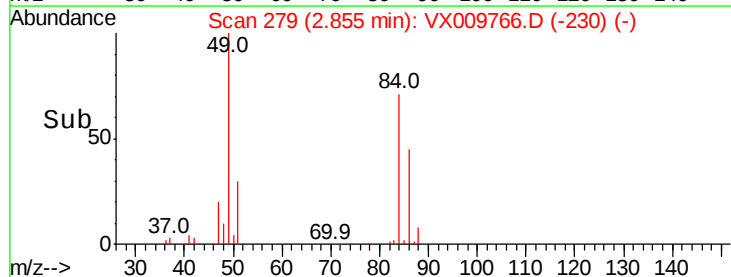
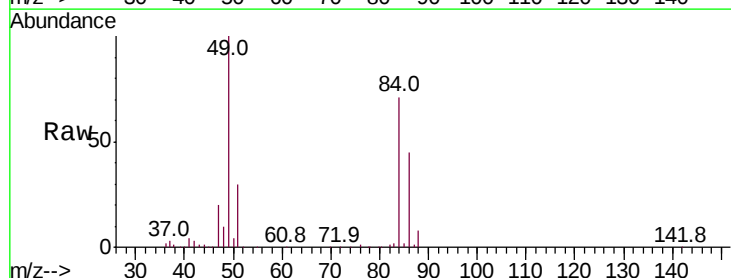
Manual Integrations
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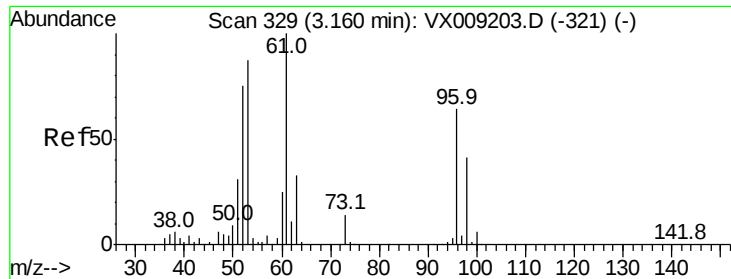
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#20
Methylene Chloride
Concen: 45.897 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009766.D
Acq: 21 May 2019 22:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	141.6	109.9	164.9
51	42.9	32.7	49.1
86	63.2	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 48.073 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009766.D

Acq: 21 May 2019 22:25

Instrument :

MSVOA_X

ClientSampleId :

S73-0229MS

Tot Ion: 96 Resp: 78463

Ion Ratio Lower Upper

96 100

61 150.1 124.5 186.7

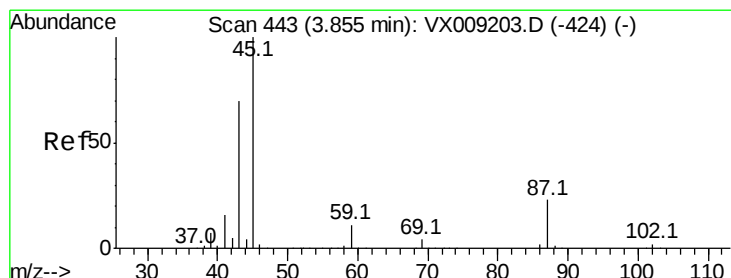
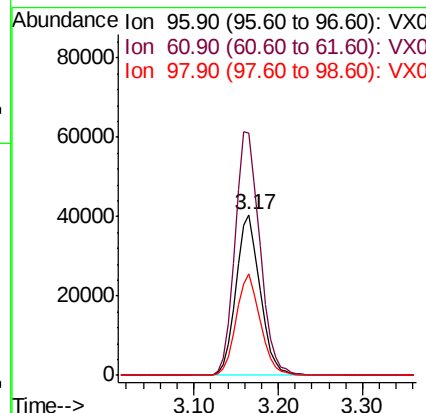
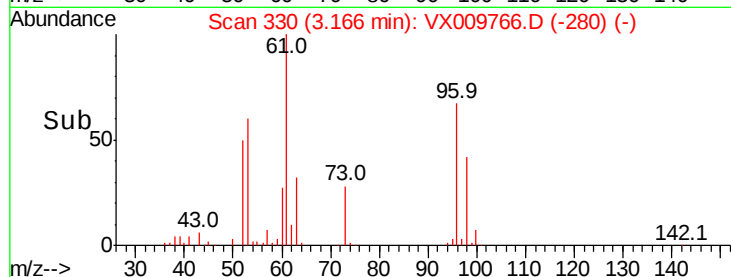
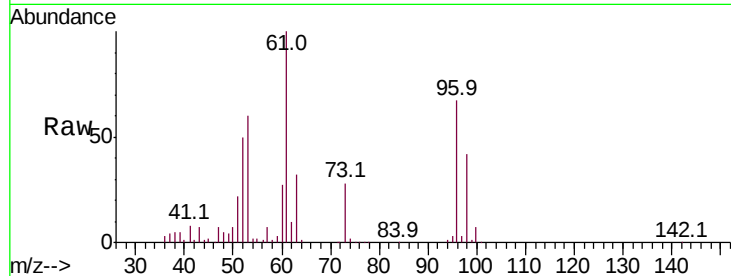
98 62.7 50.4 75.6

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#22

Diisopropyl ether

Concen: 48.001 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009766.D

Acq: 21 May 2019 22:25

Tgt Ion: 45 Resp: 338569

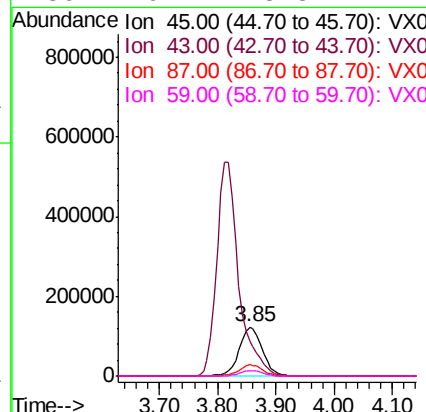
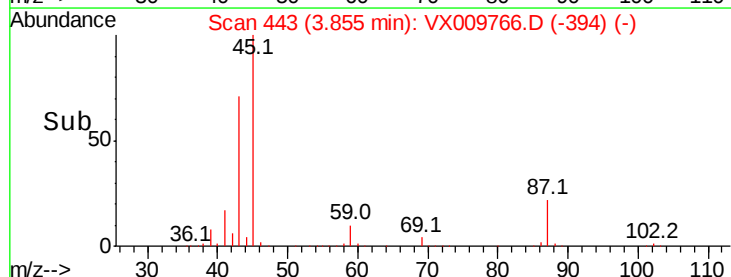
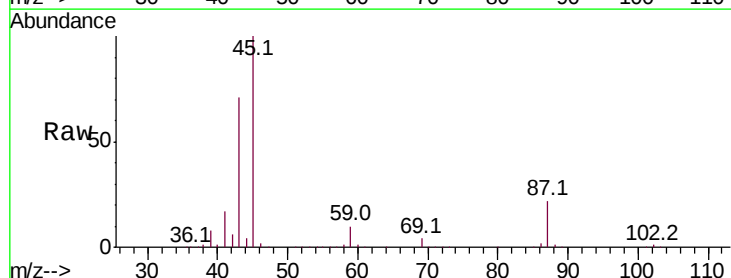
Ion Ratio Lower Upper

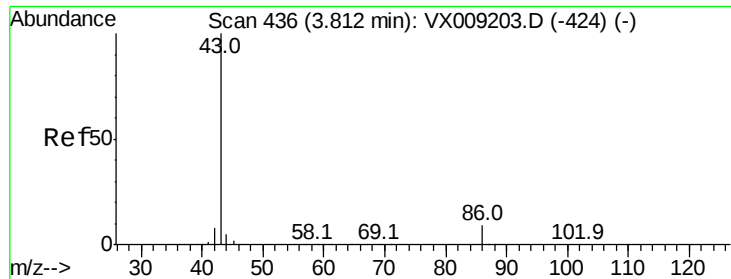
45 100

43 71.4 56.1 84.1

87 22.2 18.1 27.1

59 10.2 8.5 12.7





#23

Vinyl Acetate

Concen: 232.463 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009766.D

Acq: 21 May 2019 22:25

Instrument :

MSVOA_X

ClientSampleId :

S73-0229MS

Tot Ion: 43 Resp: 1404045

Ion Ratio Lower Upper

43 100

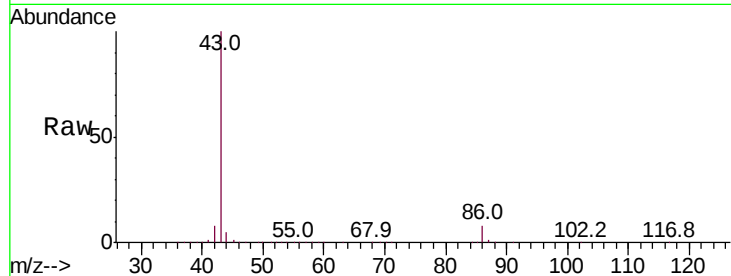
86 8.2 6.9 10.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

600000

500000

400000

300000

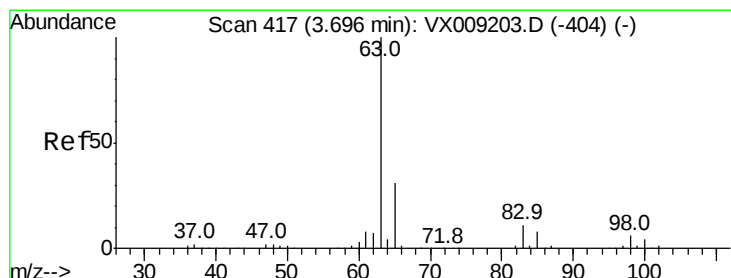
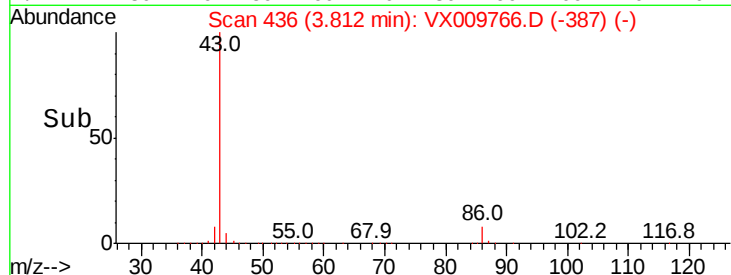
200000

100000

0

Time-->

3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 47.106 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009766.D

Acq: 21 May 2019 22:25

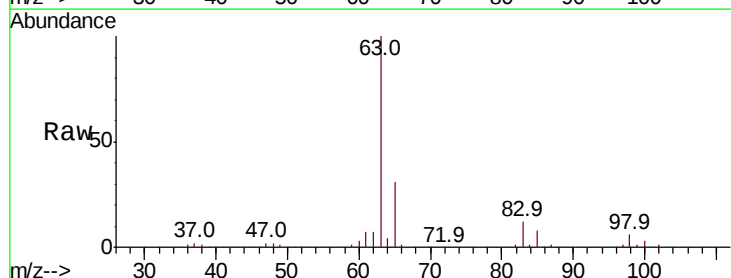
Tgt Ion: 63 Resp: 163906

Ion Ratio Lower Upper

63 100

98 5.9 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

3.70

80000

60000

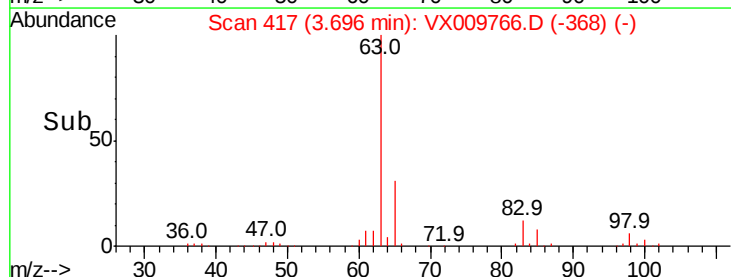
40000

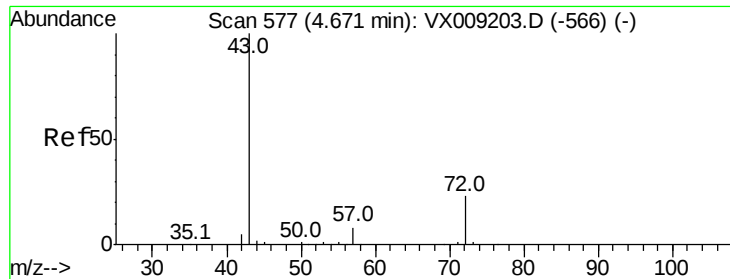
20000

0

Time-->

3.60 3.70 3.80





#25

2-Butanone

Concen: 240.230 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009766.D

Acq: 21 May 2019 22:25

Instrument :

MSVOA_X

ClientSampled :

S73-0229MS

Tot Ion: 43 Resp: 438914

Ion Ratio Lower Upper

43 100

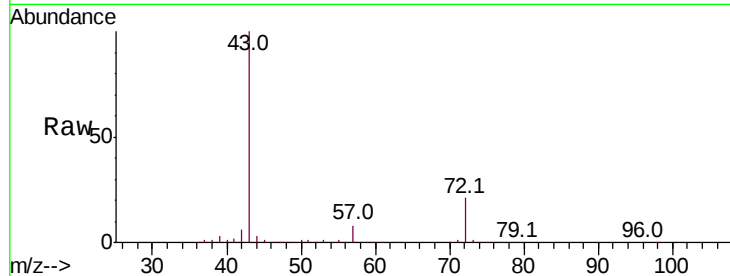
72 21.3 18.2 27.2

Manual Integrations

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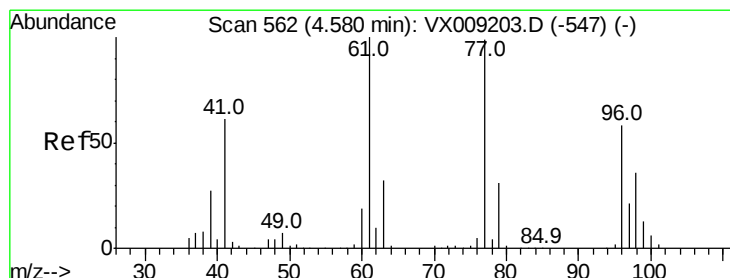
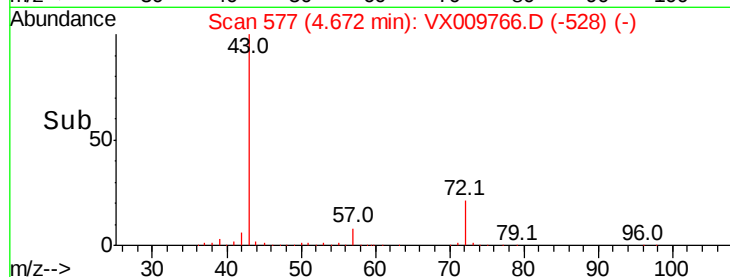
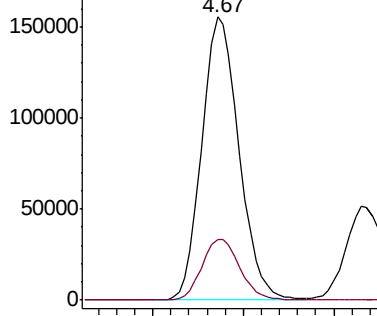
MMDadoda

5/22/2019 10:39:57 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 36.666 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009766.D

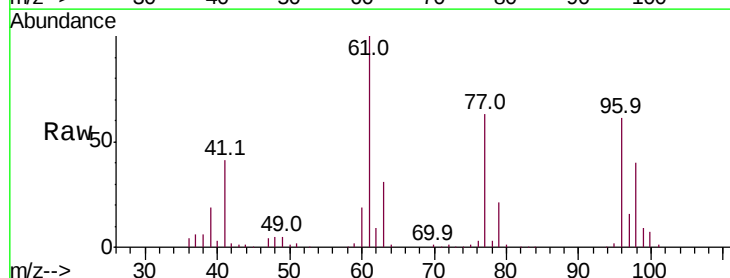
Acq: 21 May 2019 22:25

Tgt Ion: 77 Resp: 94962

Ion Ratio Lower Upper

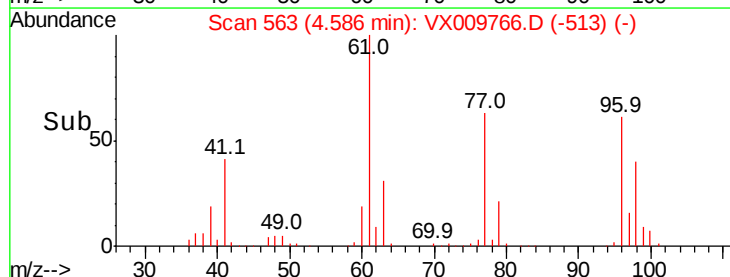
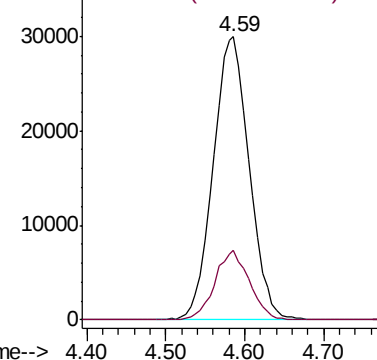
77 100

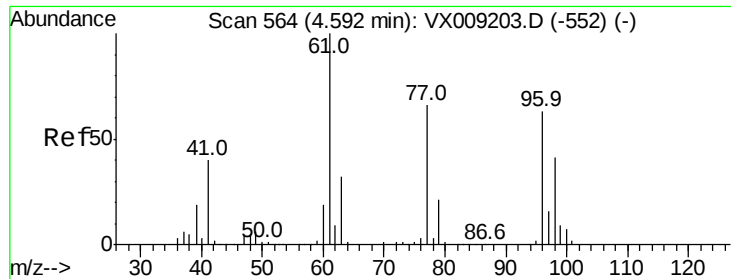
97 23.4 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

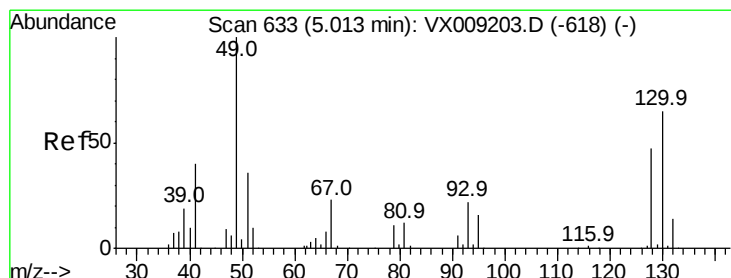
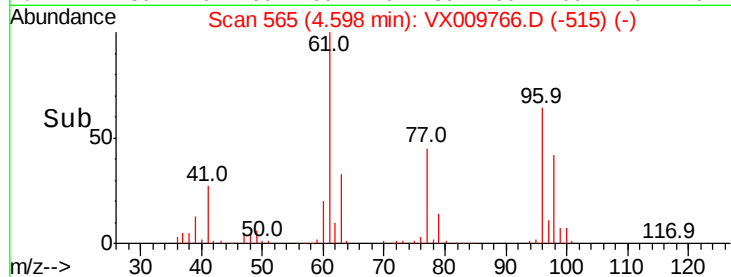
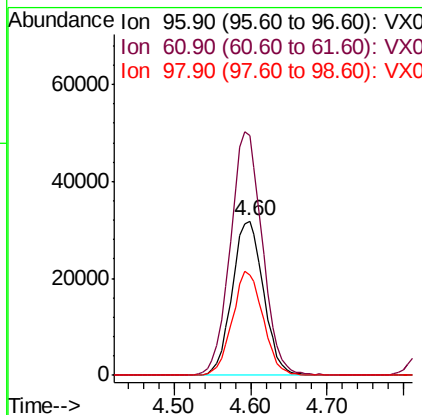
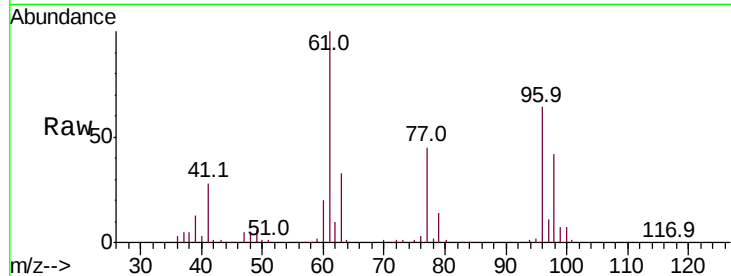
cis-1,2-Dichloroethene
Concen: 46.553 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009766.D
Acq: 21 May 2019 22:25

Instrument :
MSVOA_X
ClientSampleId :
S73-0229MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.0	0.0	324.0
98	65.8	0.0	130.4

Manual Integrations
APPROVED

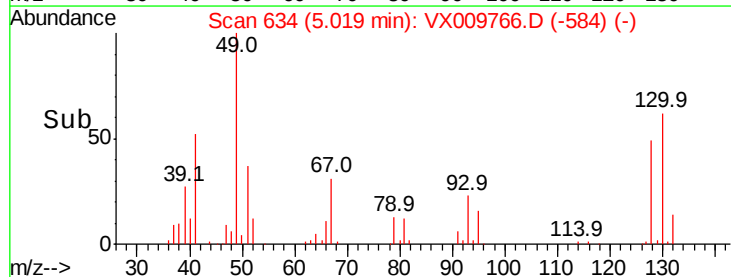
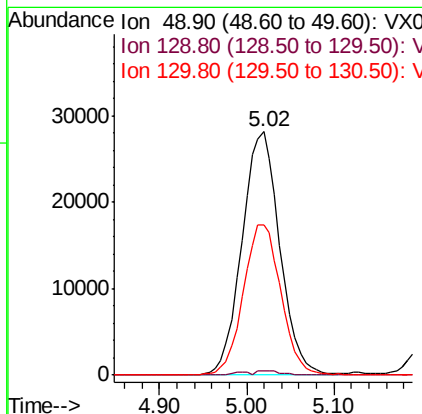
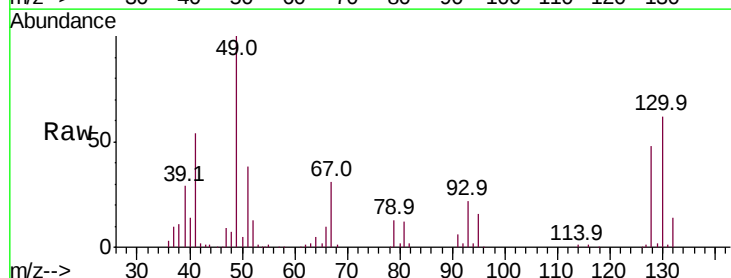
MMDadoda
5/22/2019 10:39:57 AM

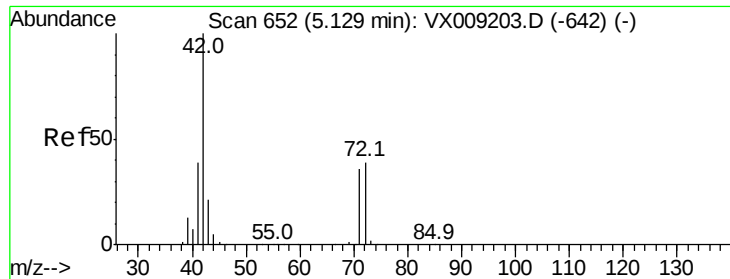


#28

Bromochloromethane
Concen: 61.117 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009766.D
Acq: 21 May 2019 22:25

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.8
130	61.6	51.2	76.8





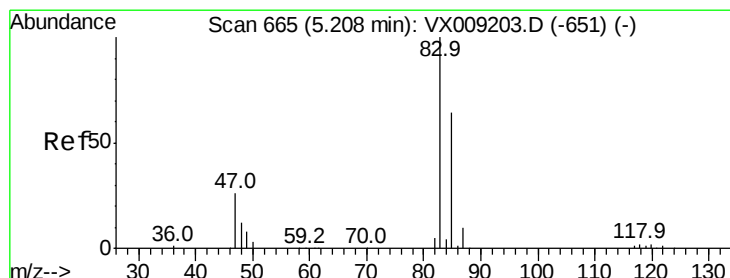
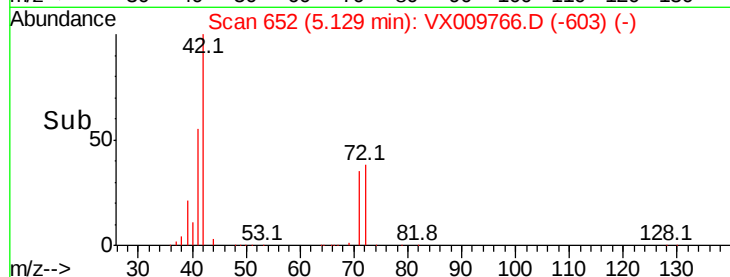
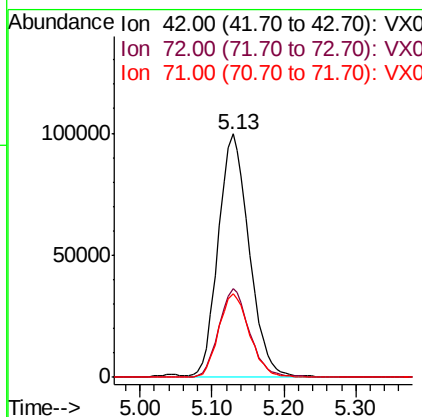
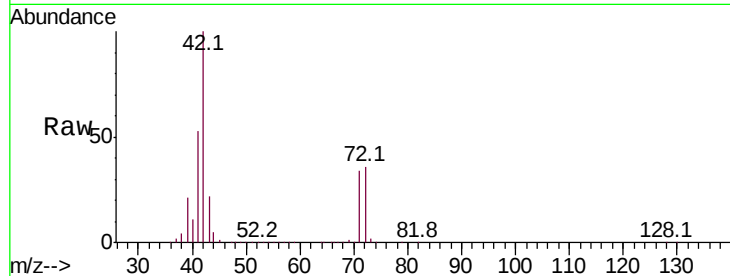
#29
Tetrahydrofuran
Concen: 251.552 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX009766.D
Acq: 21 May 2019 22:25

Instrument :
MSVOA_X
ClientSampleId :
S73-0229MS

Tot Ion	Ratio	Resp Lower	Upper
42	100		
72	36.6	30.4	45.6
71	34.5	28.6	43.0

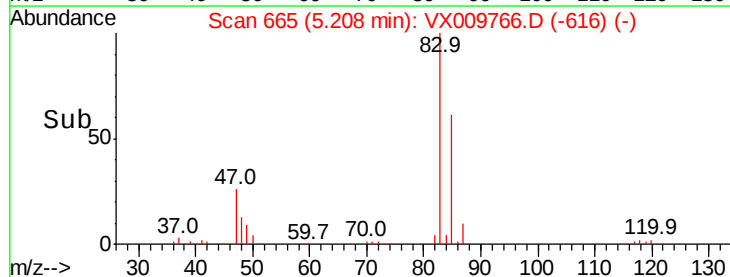
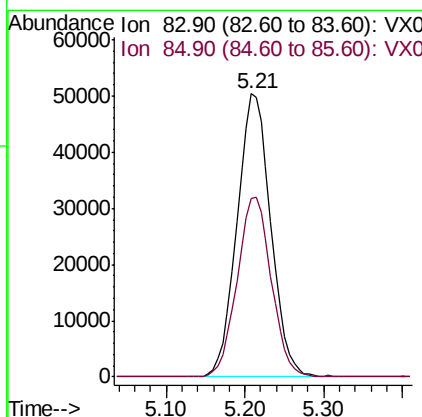
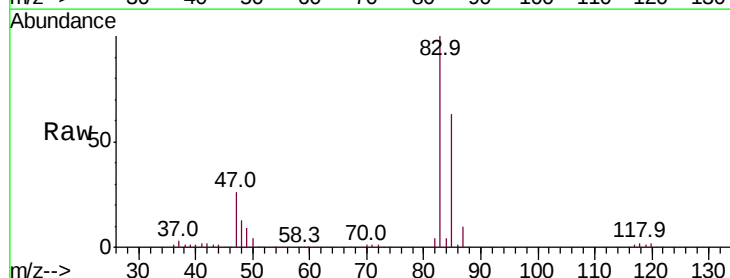
Manual Integrations
APPROVED

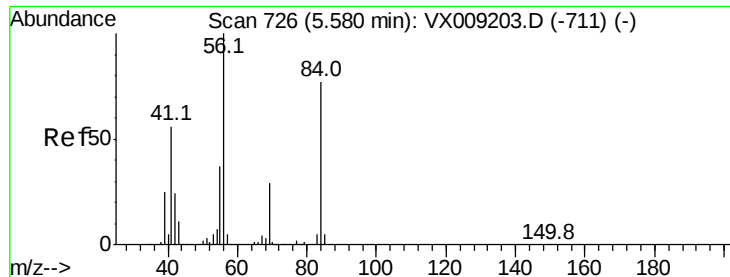
MMDadoda
5/22/2019 10:39:57 AM



#30
Chloroform
Concen: 47.542 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX009766.D
Acq: 21 May 2019 22:25

Tgt Ion	Ratio	Resp Lower	Upper
83	100		
85	62.9	51.5	77.3





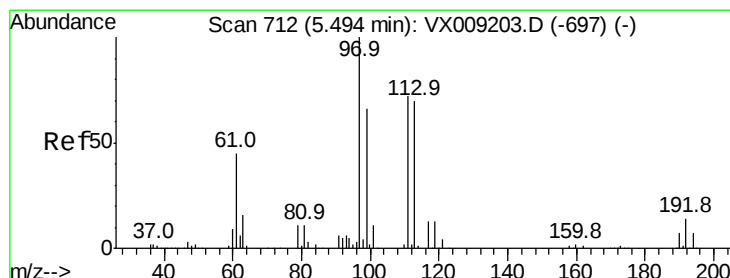
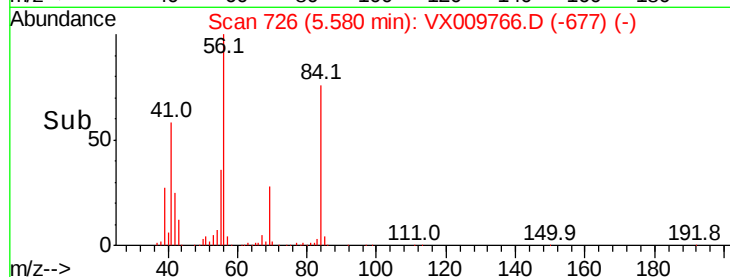
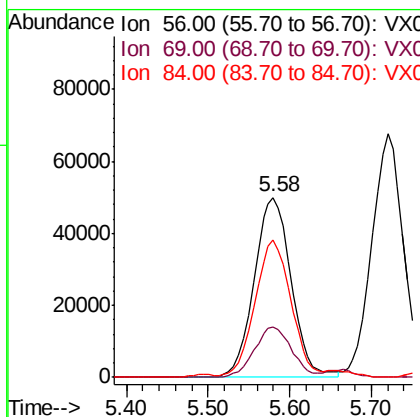
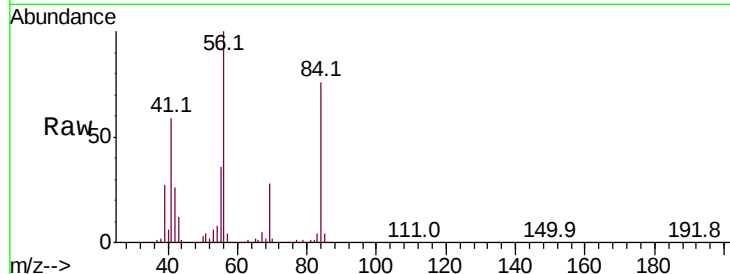
#31
Cyclohexane
Concen: 48.635 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX009766.D
Acq: 21 May 2019 22:25

Instrument :
MSVOA_X
ClientSampleId :
S73-0229MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.7	23.4	35.0
84	75.3	61.9	92.9

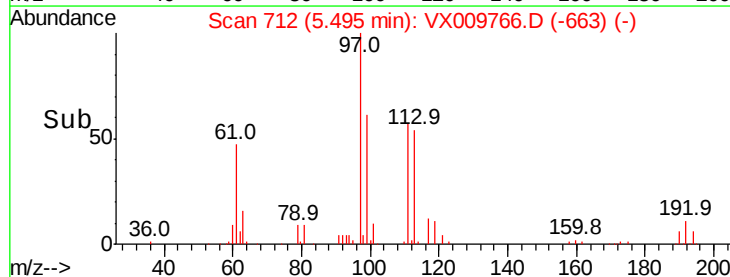
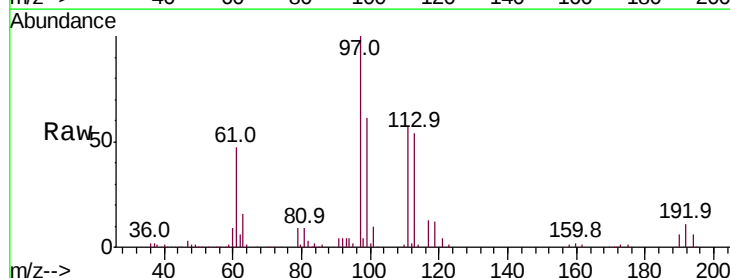
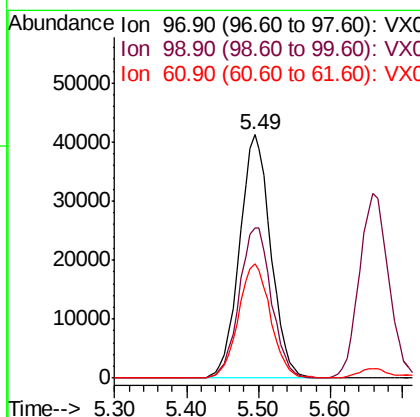
Manual Integrations
APPROVED

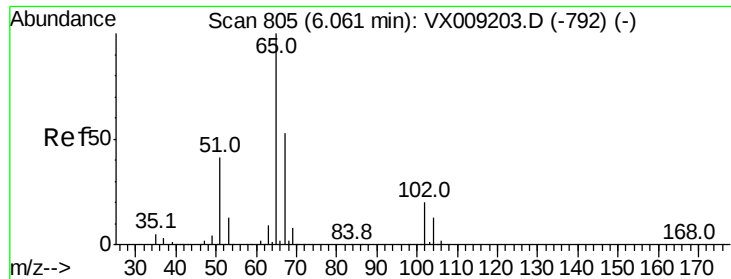
MMDadoda
5/22/2019 10:39:57 AM



#32
1,1,1-Trichloroethane
Concen: 47.192 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX009766.D
Acq: 21 May 2019 22:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.8	77.8
61	48.3	37.8	56.8





#33

1,2-Dichloroethane-d4

Concen: 39.731 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009766.D

Acq: 21 May 2019 22:25

Instrument :

MSVOA_X

ClientSampleId :

S73-0229MS

Tot Ion: 65 Resp: 86995

Ion Ratio Lower Upper

65 100

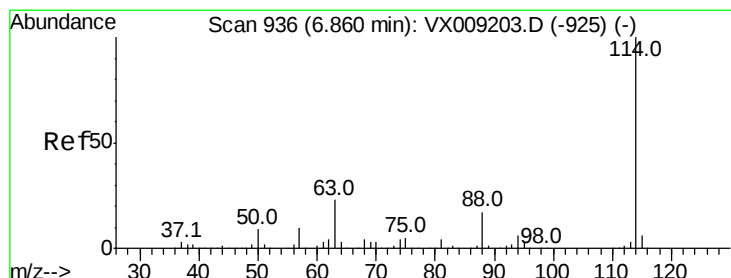
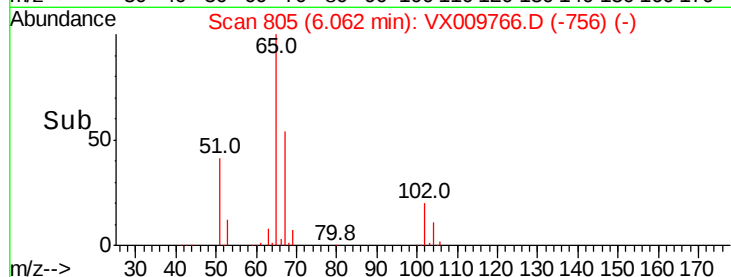
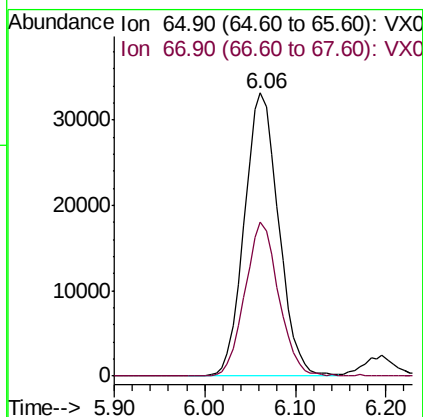
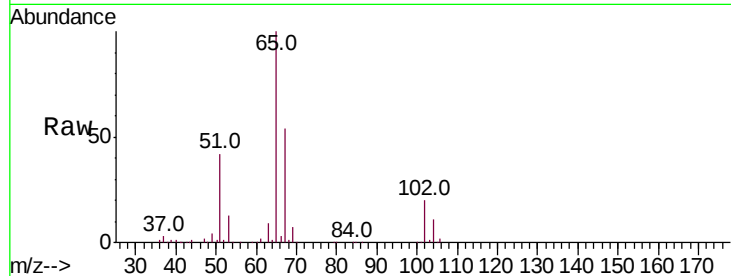
67 53.2 0.0 106.6

Manual Integrations

APPROVED

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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: VX009766.D

Acq: 21 May 2019 22:25

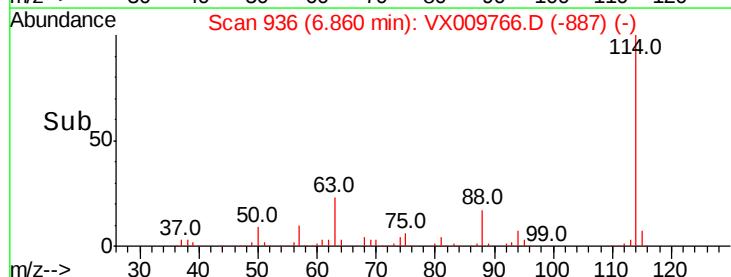
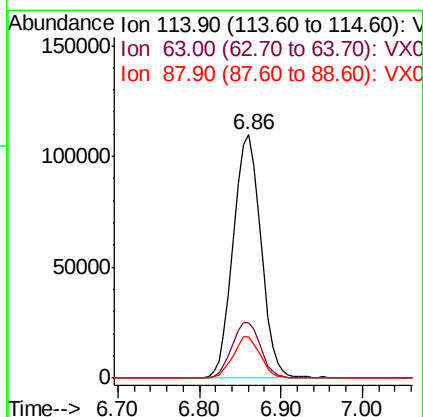
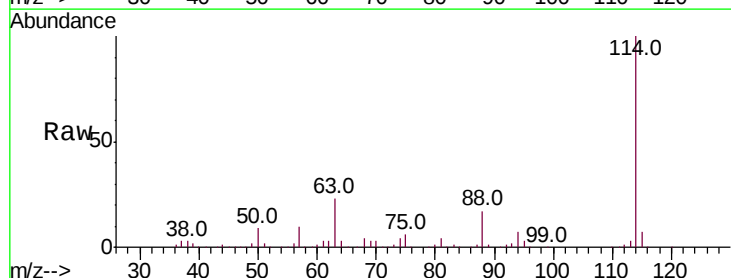
Tgt Ion: 114 Resp: 258997

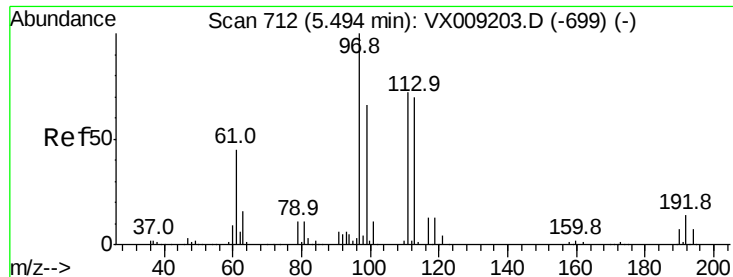
Ion Ratio Lower Upper

114 100

63 22.9 0.0 45.6

88 16.9 0.0 33.2





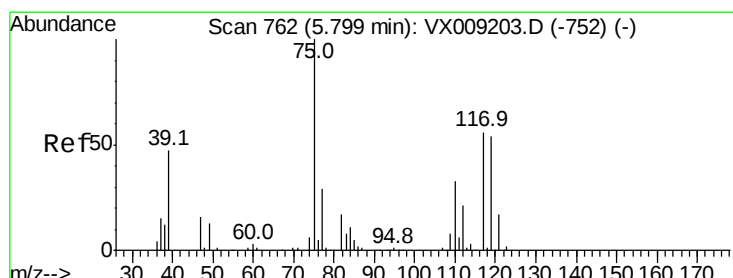
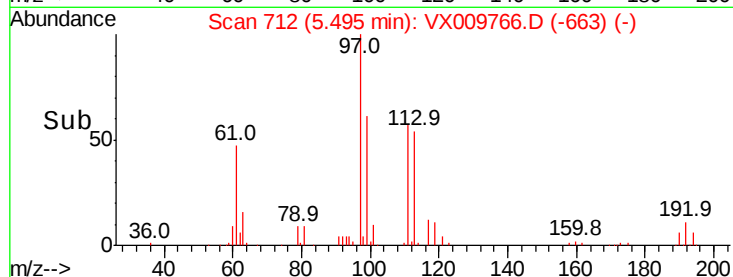
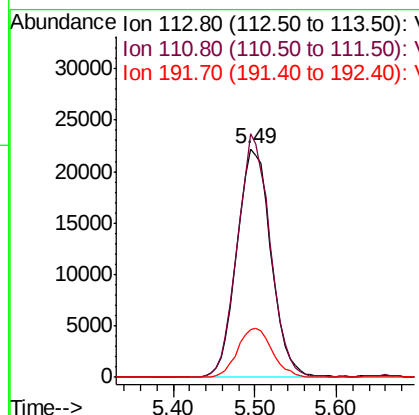
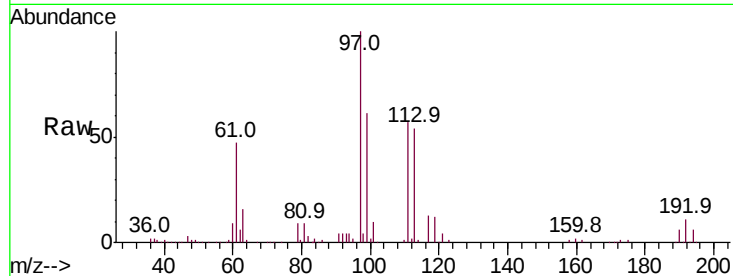
#35
Dibromofluoromethane
Concen: 39.785 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX009766.D
Acq: 21 May 2019 22:25

Instrument :
MSVOA_X
ClientSampleId :
S73-0229MS

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.8	124.2
192	21.5	17.0	25.6

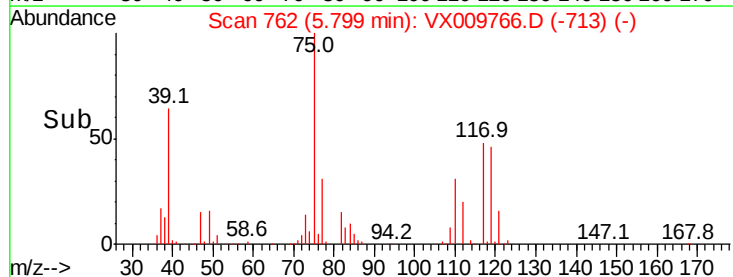
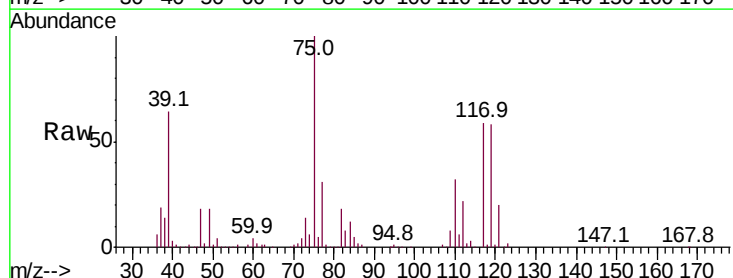
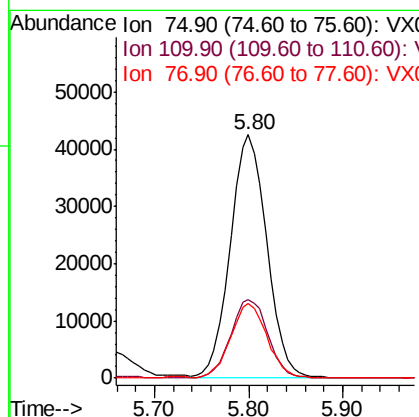
Manual Integrations
APPROVED

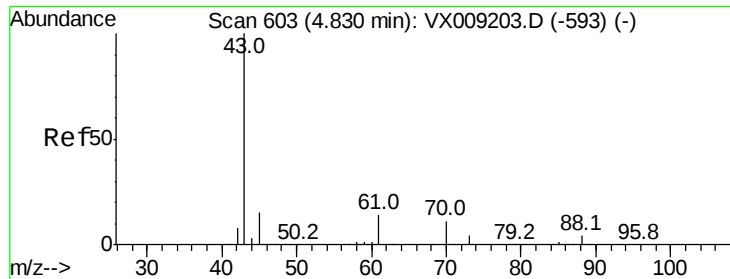
MMDadoda
5/22/2019 10:39:57 AM



#36
1,1-Dichloropropene
Concen: 47.422 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.00 min
Lab File: VX009766.D
Acq: 21 May 2019 22:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.9	50.6
77	30.5	24.8	37.2





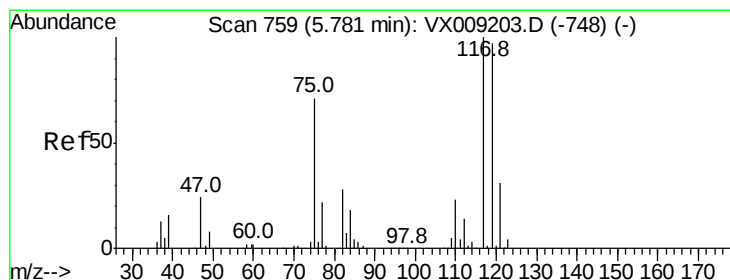
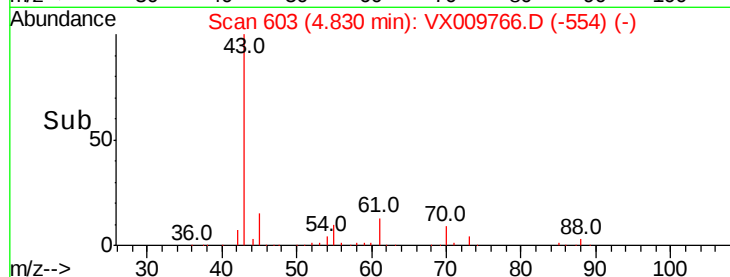
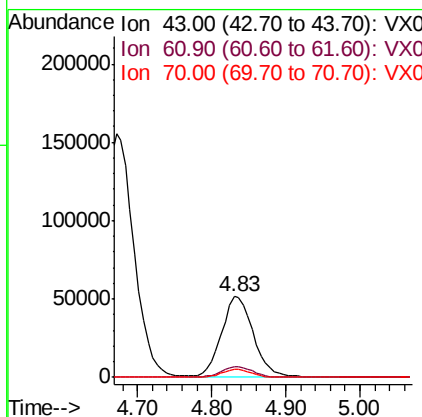
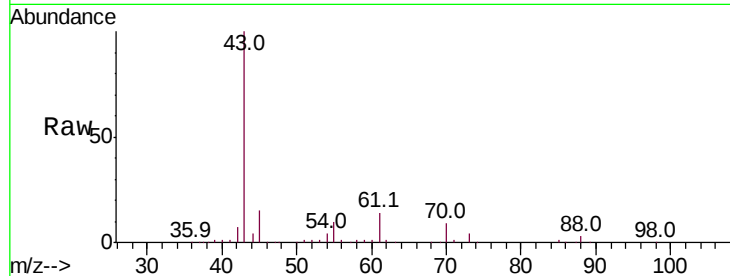
#37
Ethyl Acetate
Concen: 45.794 ug/l
RT: 4.83 min Scan# 603
Delta R.T. 0.00 min
Lab File: VX009766.D
Acq: 21 May 2019 22:25

Instrument :
MSVOA_X
ClientSampleId :
S73-0229MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.5	15.7
70	9.3	7.9	11.9

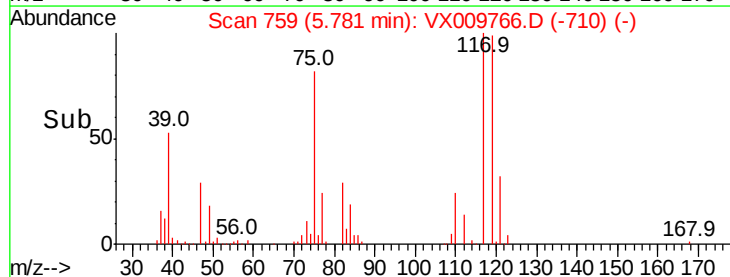
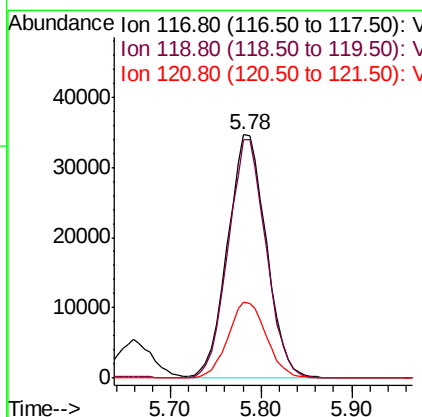
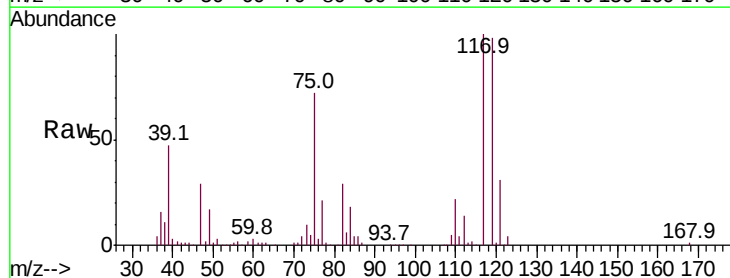
Manual Integrations
APPROVED

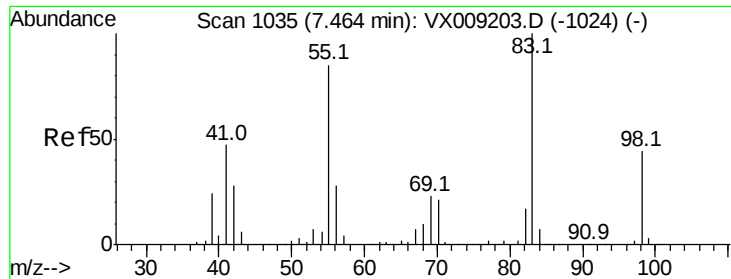
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#38
Carbon Tetrachloride
Concen: 46.662 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX009766.D
Acq: 21 May 2019 22:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.1	77.5	116.3
121	31.3	24.7	37.1





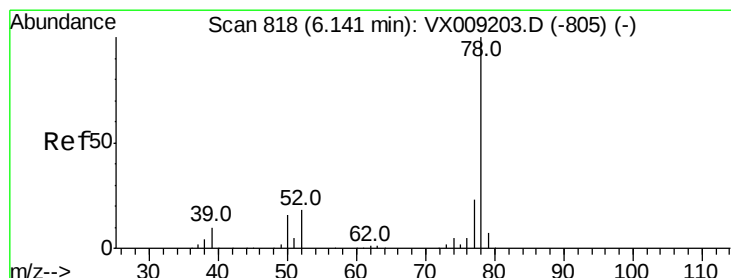
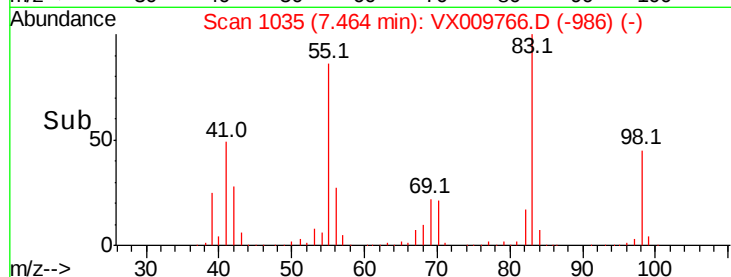
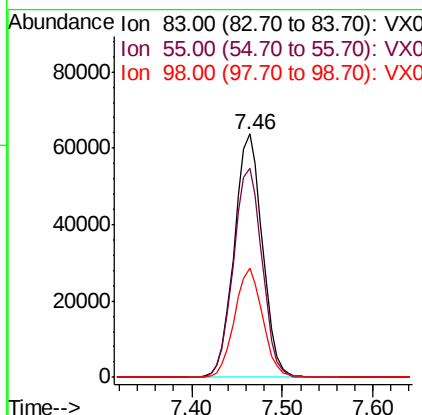
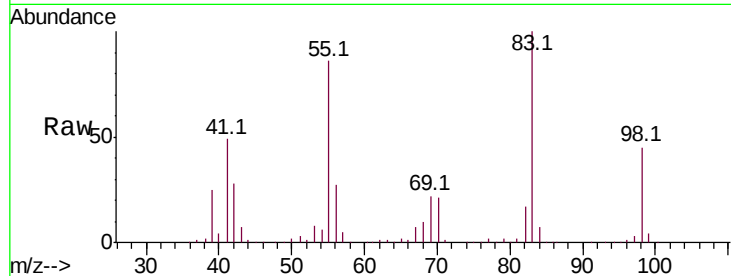
#39
Methvlcvclohexane
Concen: 46.481 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009766.D
Acq: 21 May 2019 22:25

Instrument :
MSVOA_X
ClientSampled :
S73-0229MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	85.9	67.7	101.5	
98	44.6	35.5	53.3	

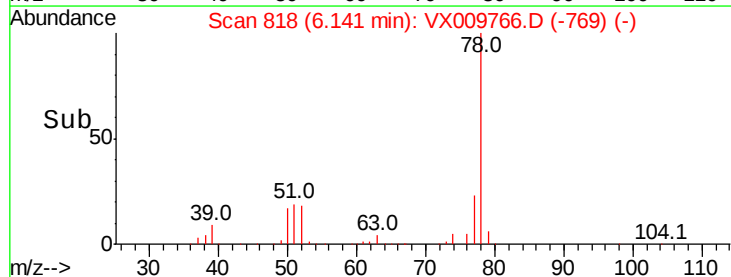
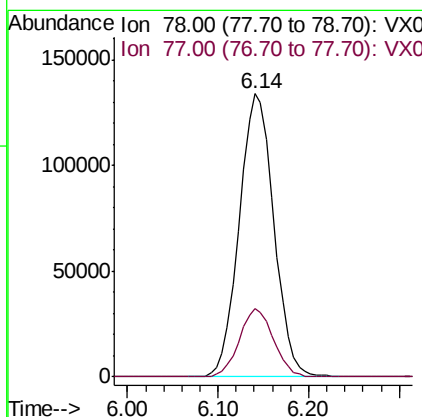
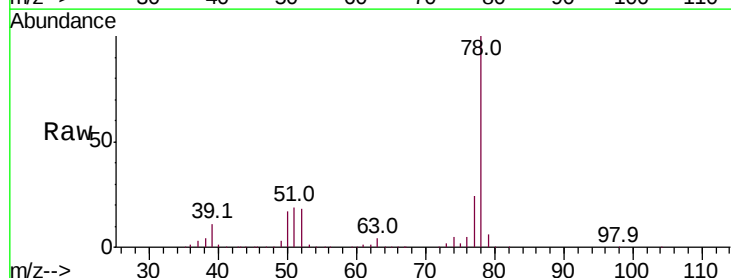
Manual Integrations
APPROVED

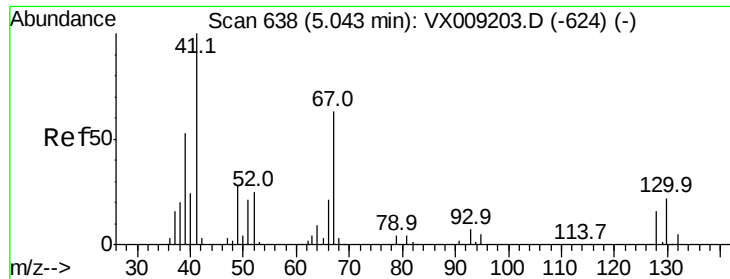
MMDadoda
5/22/2019 10:39:57 AM



#40
Benzene
Concen: 47.452 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009766.D
Acq: 21 May 2019 22:25

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.2	18.8	28.2	





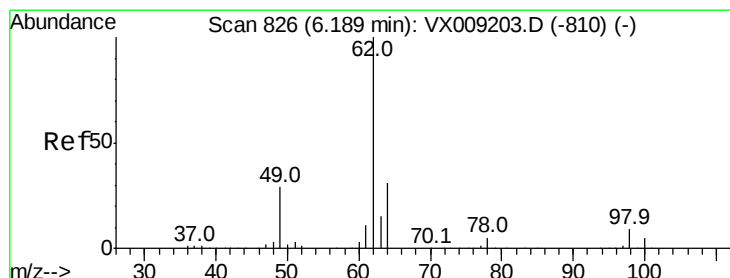
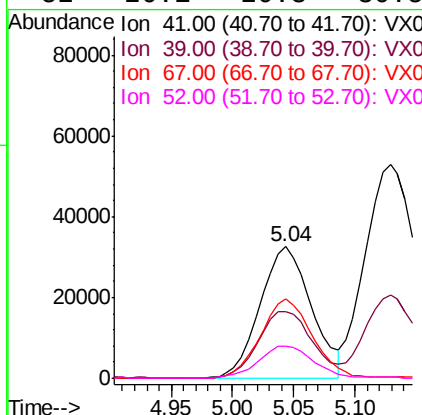
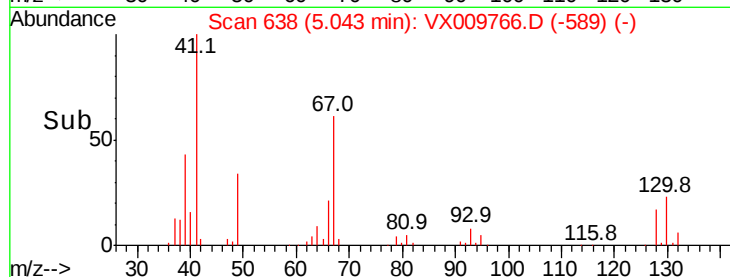
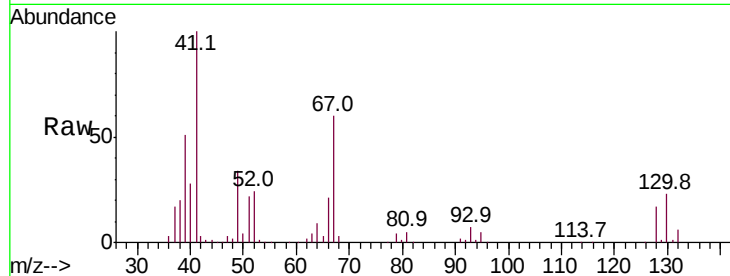
#41
Methacrylonitrile
Concen: 47.763 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX009766.D
Acq: 21 May 2019 22:25

Instrument :
MSVOA_X
ClientSampleId :
S73-0229MS

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.5	42.0	63.0	
67	60.9	49.8	74.8	
52	26.1	20.3	30.5	

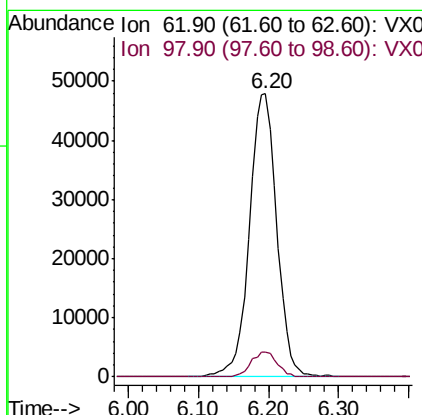
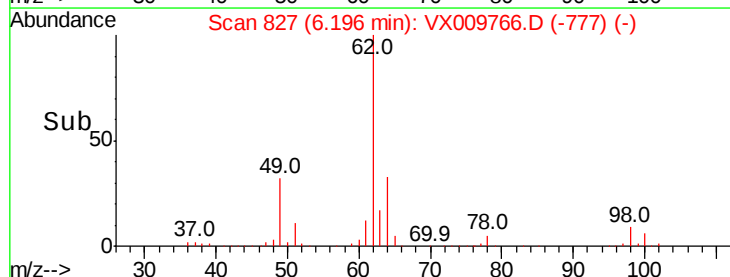
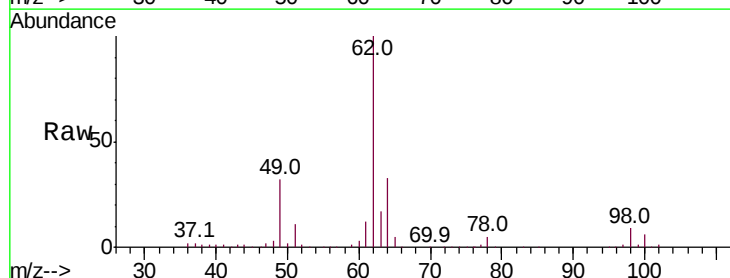
Manual Integrations
APPROVED

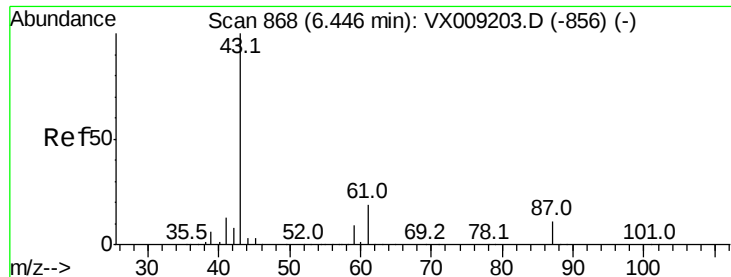
MMDadoda
5/22/2019 10:39:57 AM



#42
1,2-Dichloroethane
Concen: 48.673 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX009766.D
Acq: 21 May 2019 22:25

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	18.2	





#43

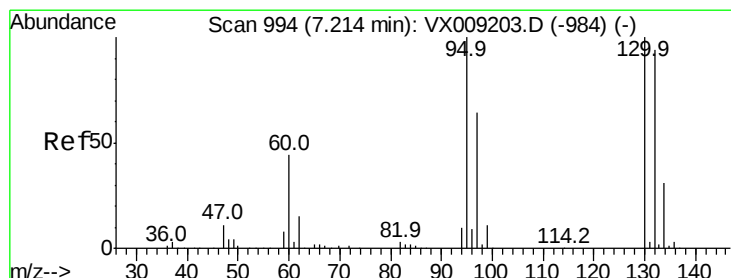
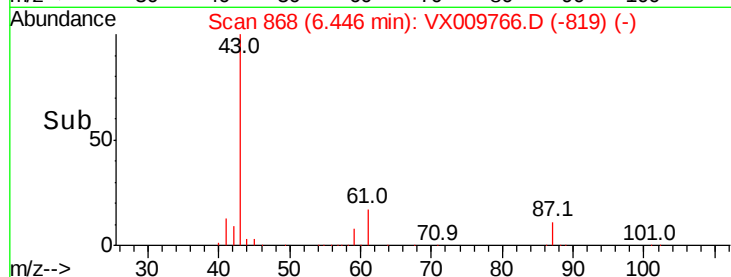
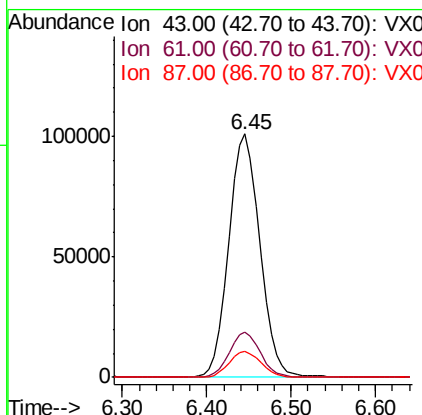
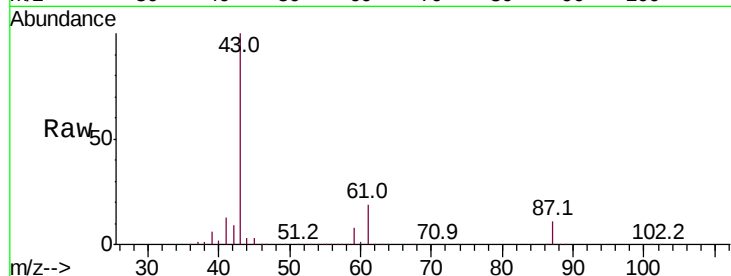
Isopropyl Acetate
 Concen: 46.891 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX009766.D
 Acq: 21 May 2019 22:25

Instrument :
 MSVOA_X
 ClientSampleID :
 S73-0229MS

Tot Ion:	43	Resp:	251530
Ion	Ratio	Lower	Upper
43	100		
61	18.6	15.1	22.7
87	11.0	9.0	13.6

Manual Integrations
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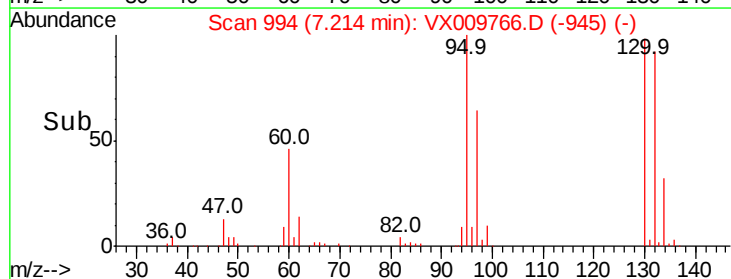
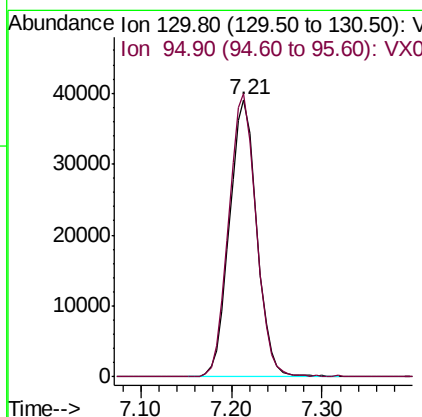
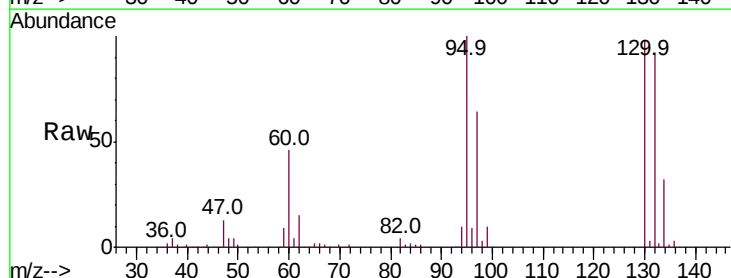
MMDadoda
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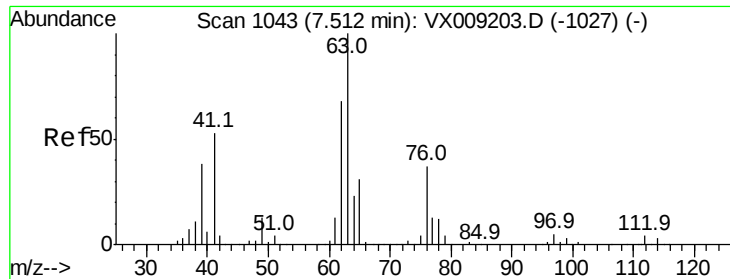


#44

Trichloroethene
 Concen: 45.529 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009766.D
 Acq: 21 May 2019 22:25

Tgt Ion:	130	Resp:	81988
Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	199.2





#45

1,2-Dichloropropane

Concen: 47.625 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009766.D

Acq: 21 May 2019 22:25

Instrument :

MSVOA_X

ClientSampled :

S73-0229MS

Tot Ion: 63 Resp: 100452

Ion Ratio Lower Upper

63 100

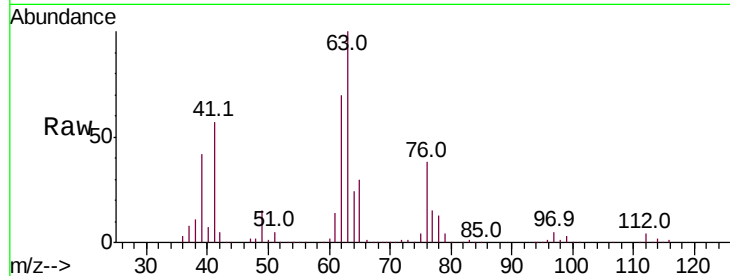
65 30.3 25.0 37.6

Manual Integrations

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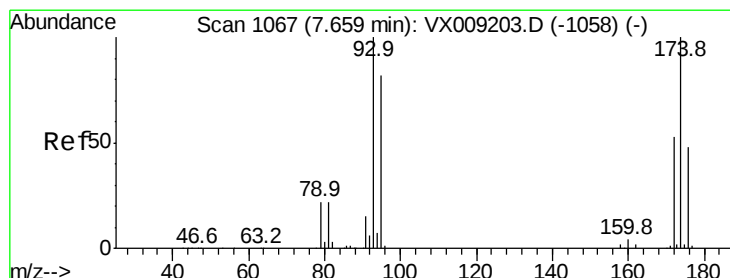
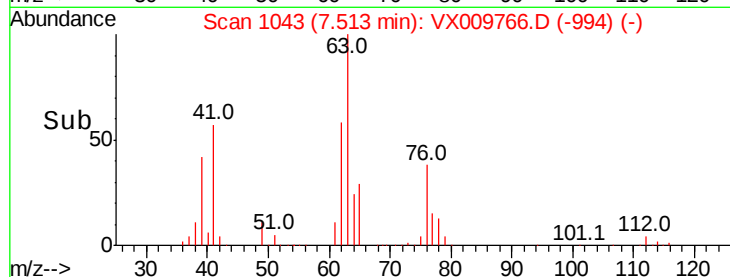
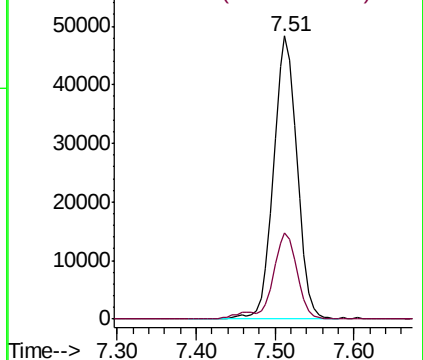
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 46.965 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009766.D

Acq: 21 May 2019 22:25

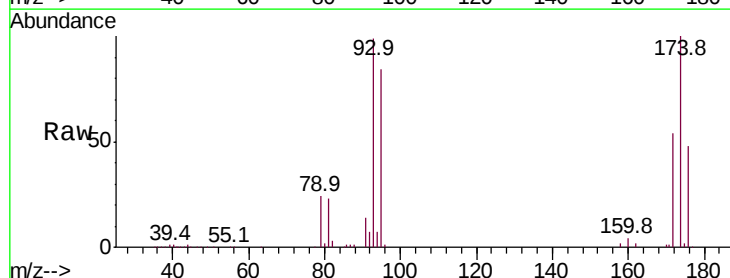
Tgt Ion: 93 Resp: 57525

Ion Ratio Lower Upper

93 100

95 83.6 66.5 99.7

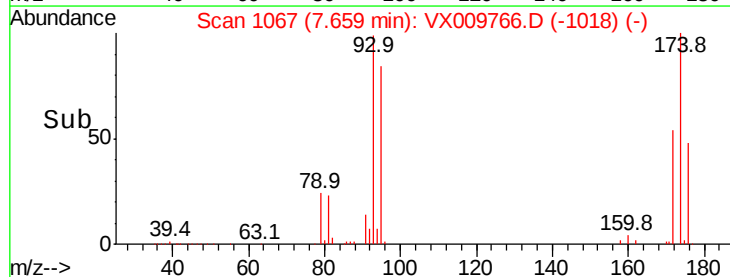
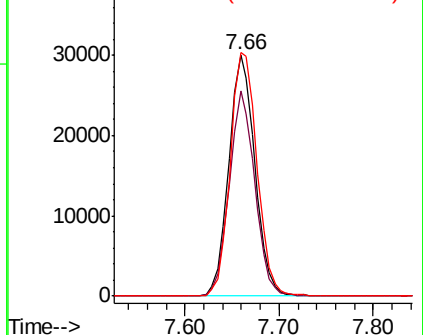
174 104.0 82.1 123.1

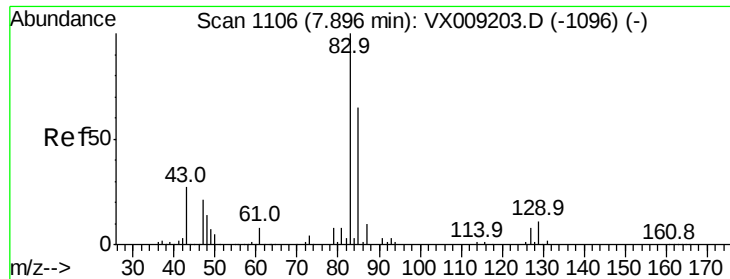


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 47.470 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009766.D

Acq: 21 May 2019 22:25

Instrument :

MSVOA_X

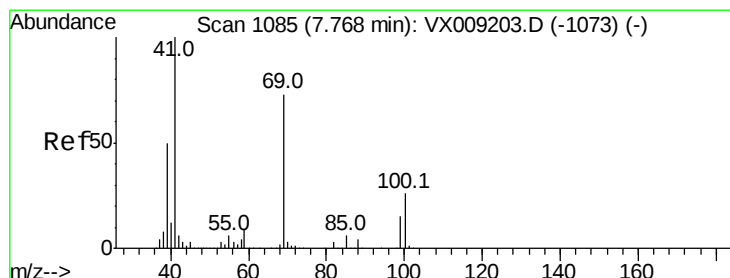
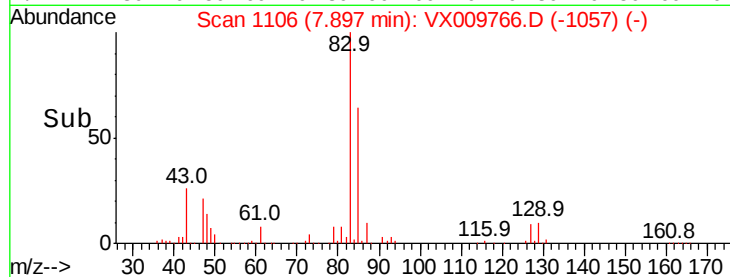
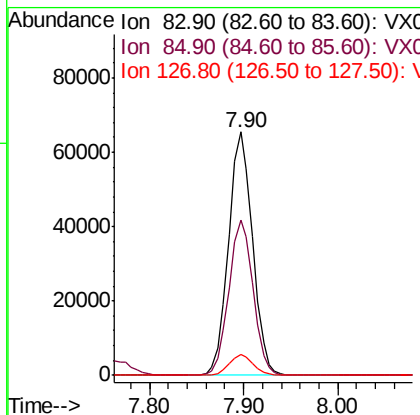
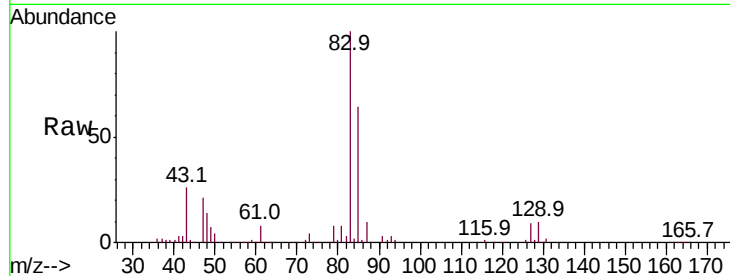
ClientSampleId :

S73-0229MS

Tot Ion:	83	Resp:	115981
Ion Ratio	Lower	Upper	
83	100		
85	63.6	52.4	78.6
127	8.6	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.320 ug/l

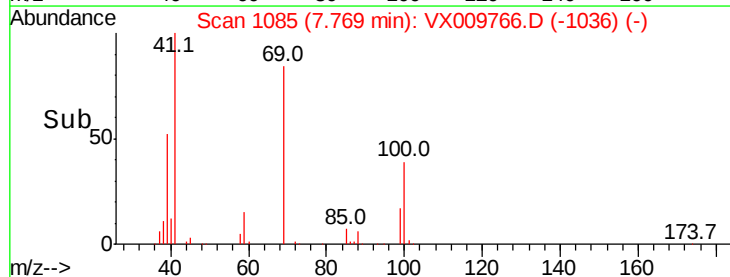
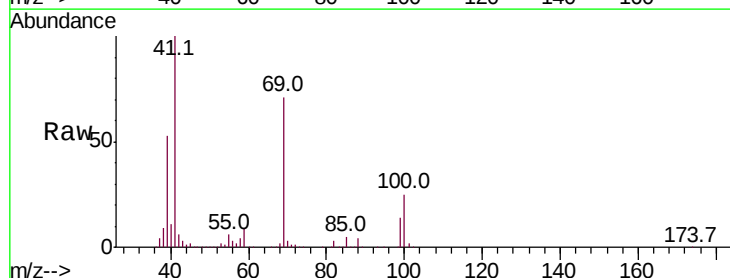
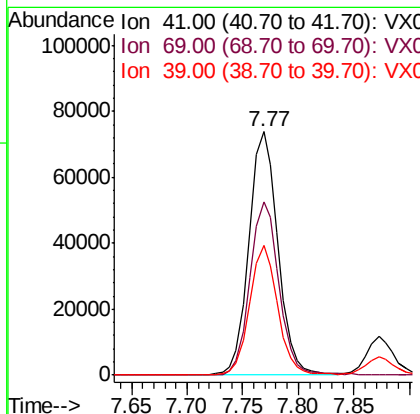
RT: 7.77 min Scan# 1085

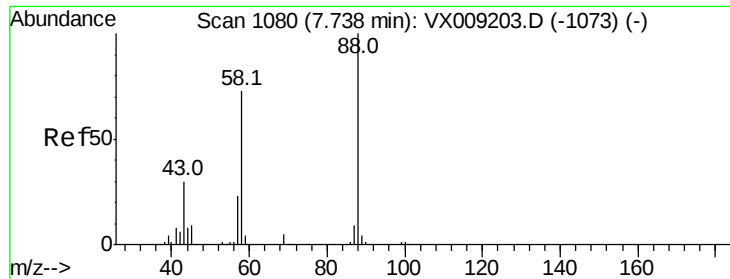
Delta R.T. 0.00 min

Lab File: VX009766.D

Acq: 21 May 2019 22:25

Tgt Ion:	41	Resp:	133914
Ion Ratio	Lower	Upper	
41	100		
69	71.8	59.1	88.7
39	52.0	40.4	60.6





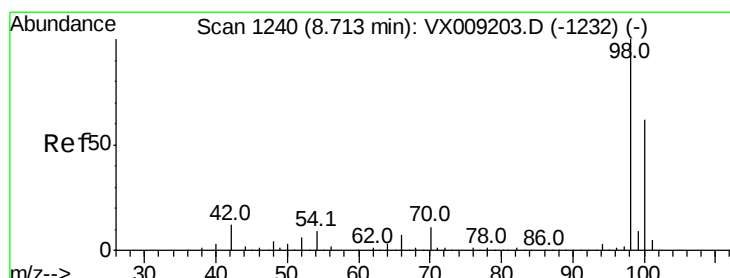
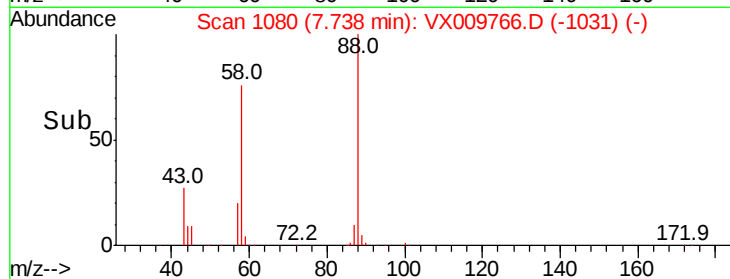
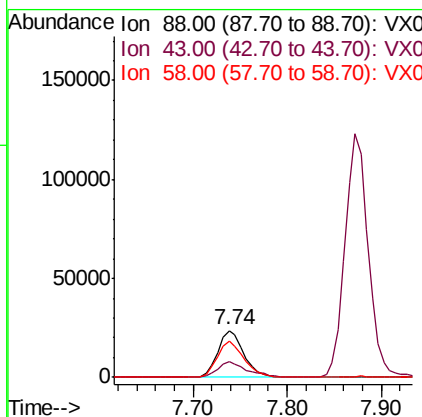
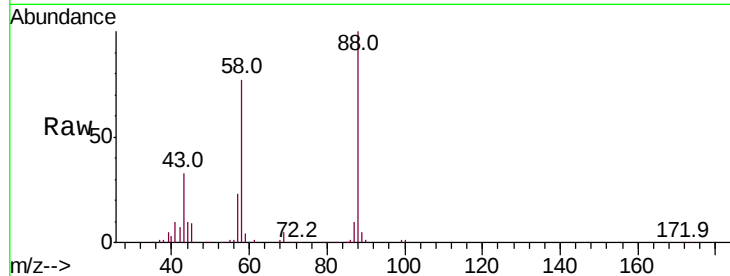
#49
1,4-Dioxane
Concen: 842.371 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009766.D
Acq: 21 May 2019 22:25

Instrument :
MSVOA_X
ClientSampleId :
S73-0229MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.8	28.6	42.8
58	79.7	61.7	92.5

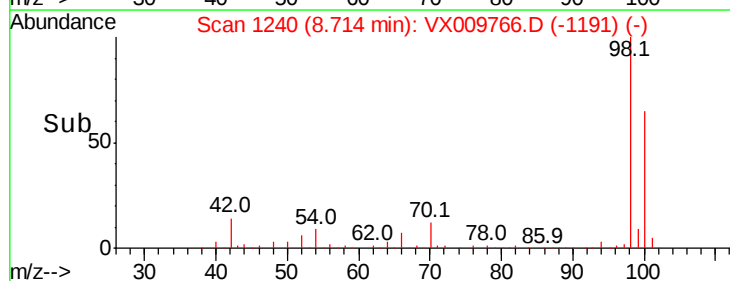
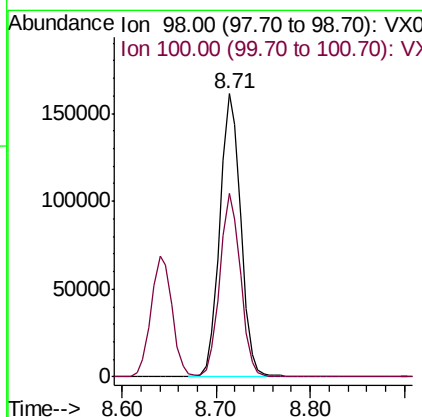
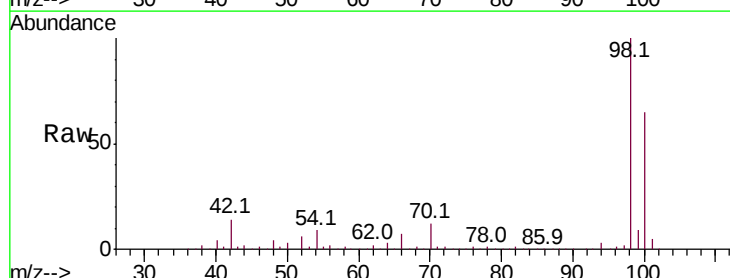
Manual Integrations
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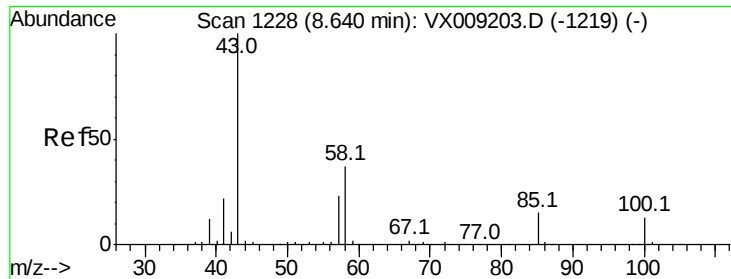
MMDadoda
5/22/2019 10:39:57 AM



#50
Toluene-d8
Concen: 37.824 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009766.D
Acq: 21 May 2019 22:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 253.526 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009766.D

Acq: 21 May 2019 22:25

Instrument :

MSVOA_X

ClientSampleId :

S73-0229MS

Tot Ion: 43 Resp: 888891

Ion Ratio Lower Upper

43 100

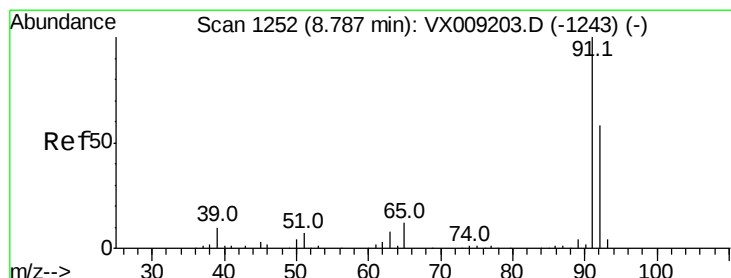
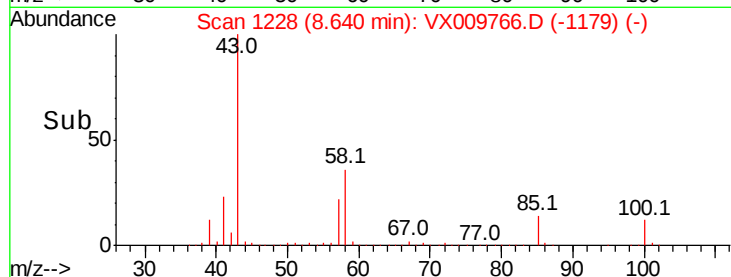
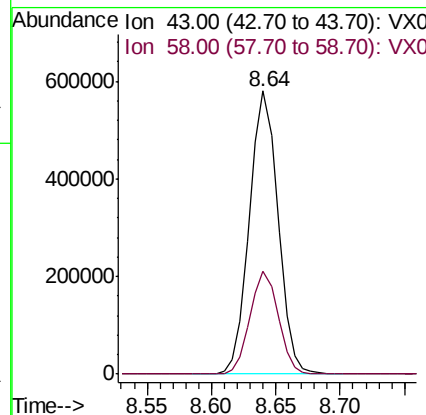
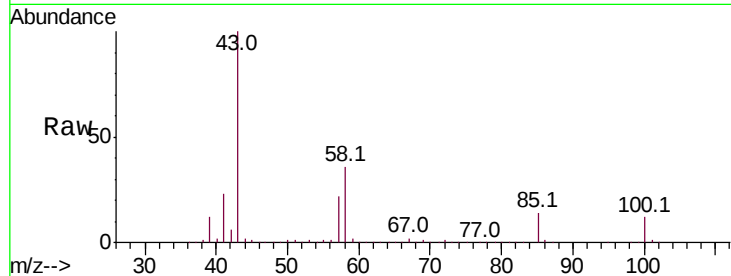
58 36.0 29.5 44.3

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#52

Toluene

Concen: 47.294 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009766.D

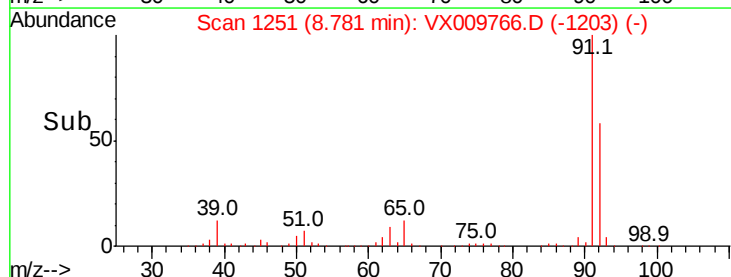
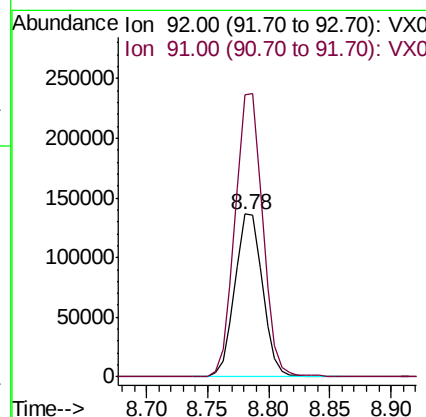
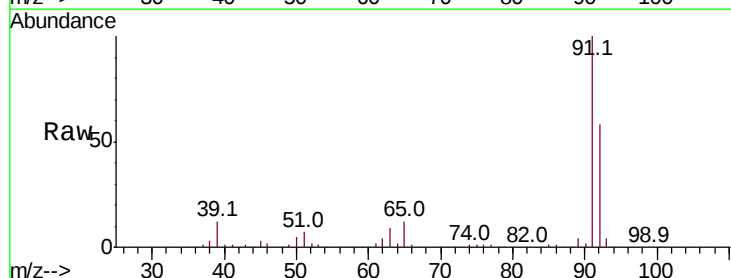
Acq: 21 May 2019 22:25

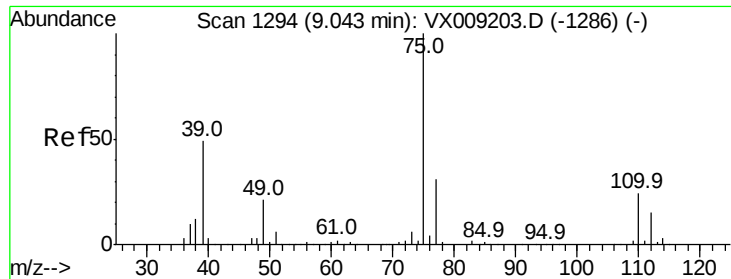
Tgt Ion: 92 Resp: 214146

Ion Ratio Lower Upper

92 100

91 173.9 138.8 208.2





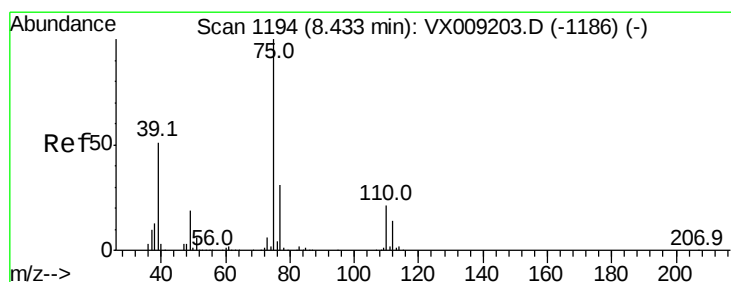
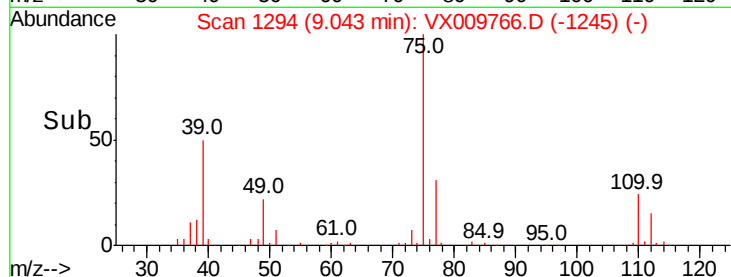
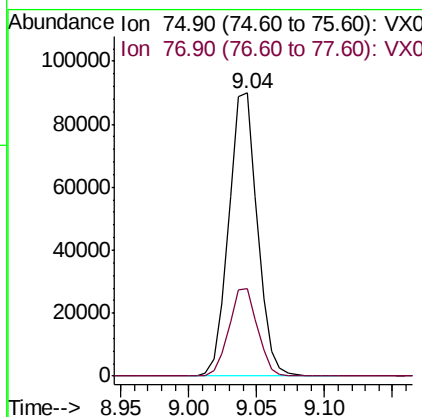
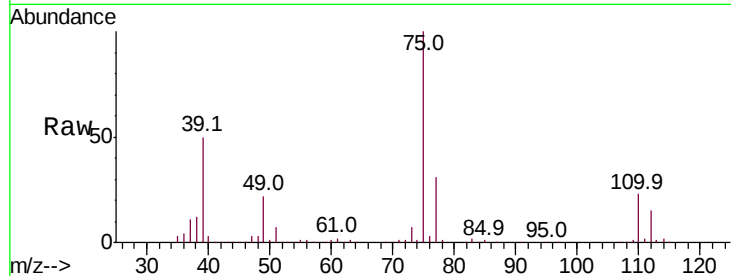
#53
t-1,3-Dichloropropene
Concen: 47.724 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009766.D
Acq: 21 May 2019 22:25

Instrument :
MSVOA_X
ClientSampled :
S73-0229MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.0	37.6

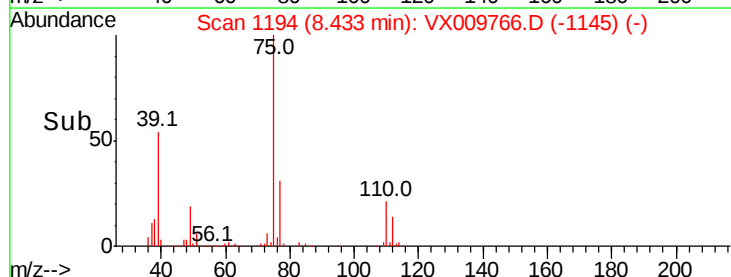
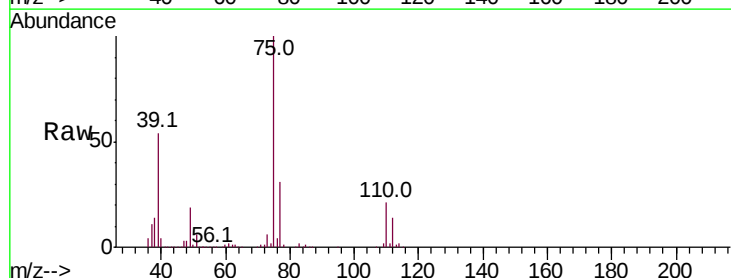
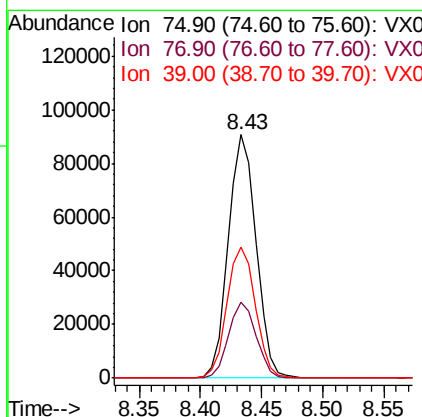
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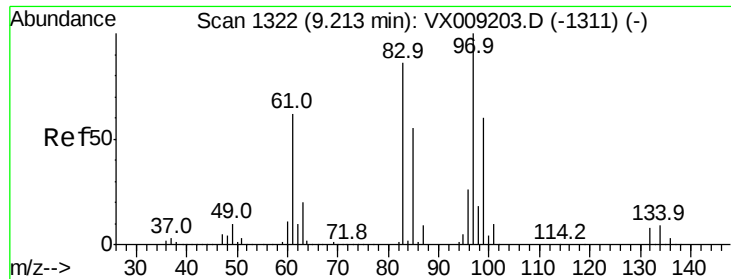
MMDadoda
5/22/2019 10:39:57 AM



#54
cis-1,3-Dichloropropene
Concen: 46.727 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009766.D
Acq: 21 May 2019 22:25

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.6	36.8
39	53.5	40.6	60.8





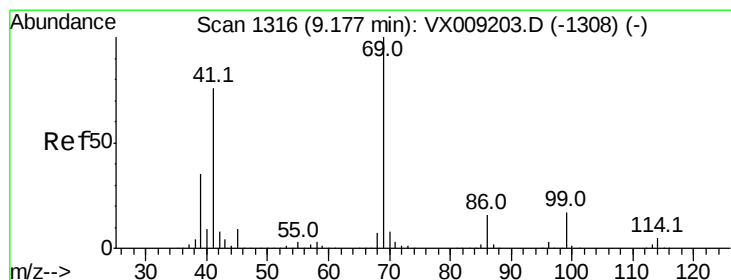
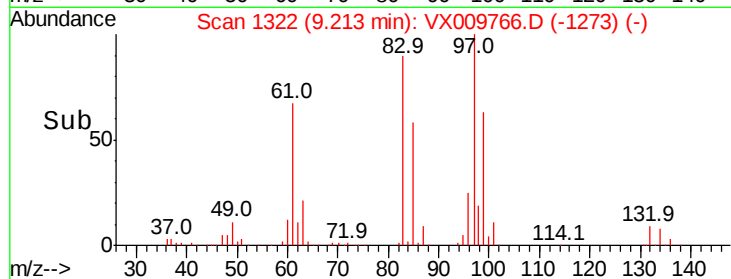
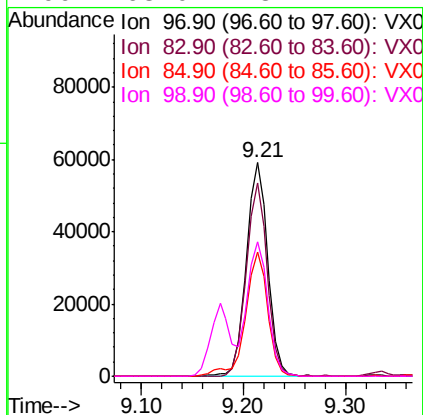
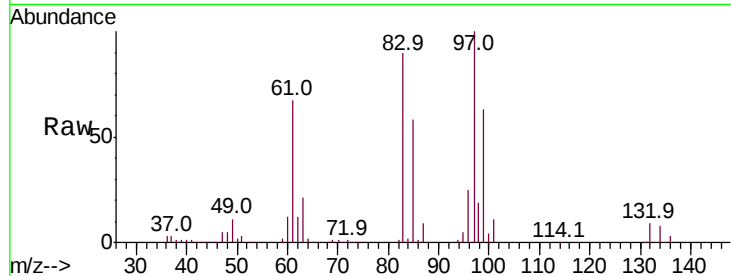
#55
 1,1,2-Trichloroethane
 Concen: 46.924 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009766.D
 Acq: 21 May 2019 22:25

Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0229MS

Tot Ion	Ratio	Resp	Lower	Upper
97	100	86682		
83	90.3	68.9	103.3	
85	58.3	43.8	65.6	
99	63.0	48.2	72.2	

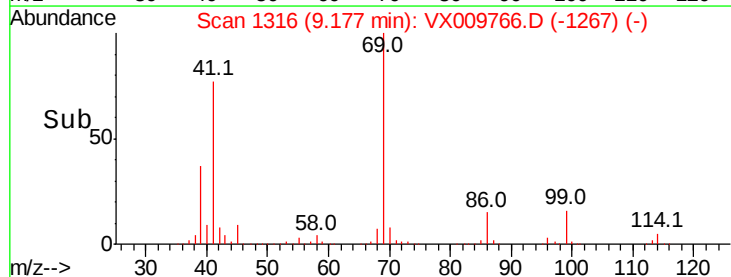
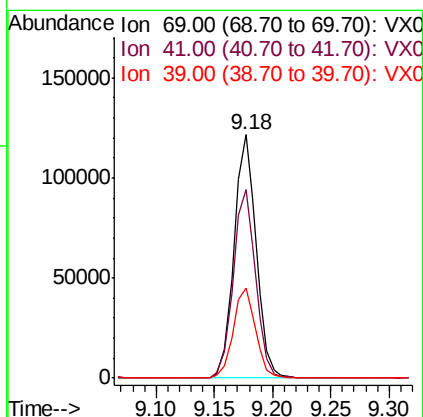
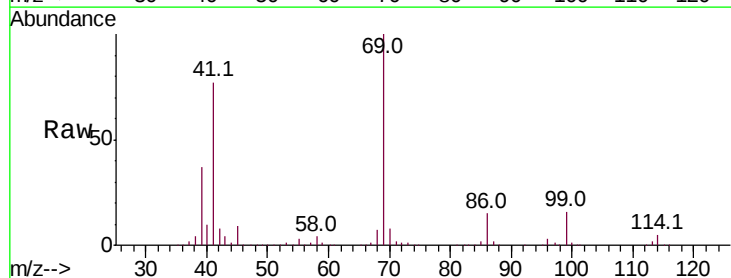
Manual Integrations
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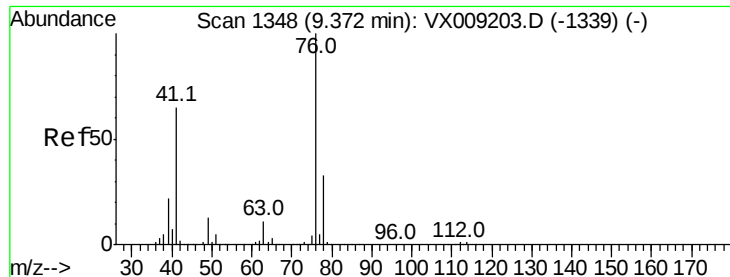
MMDadoda
 5/22/2019 10:39:57 AM



#56
 Ethyl methacrylate
 Concen: 48.902 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009766.D
 Acq: 21 May 2019 22:25

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	161254		
41	78.3	60.6	90.8	
39	37.5	28.2	42.4	





#57

1,3-Dichloropropane

Concen: 47.058 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX009766.D

Acq: 21 May 2019 22:25

Instrument :

MSVOA_X

ClientSampleId :

S73-0229MS

Tot Ion: 76 Resp: 152974

Ion Ratio Lower Upper

76 100

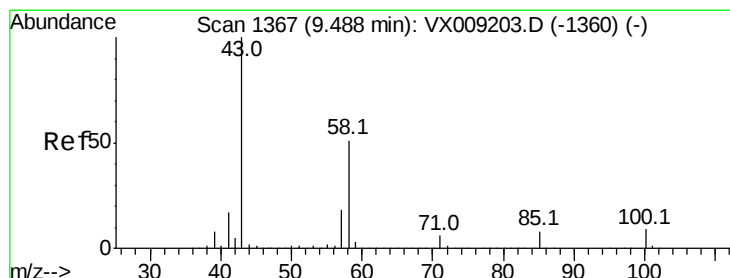
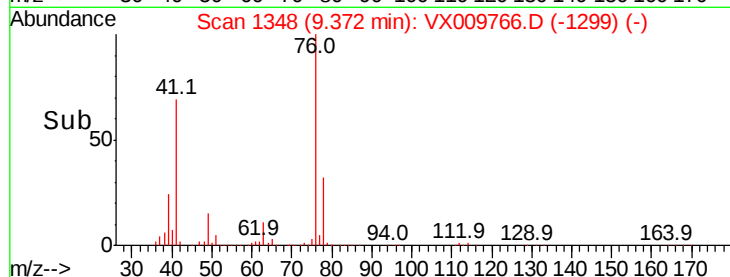
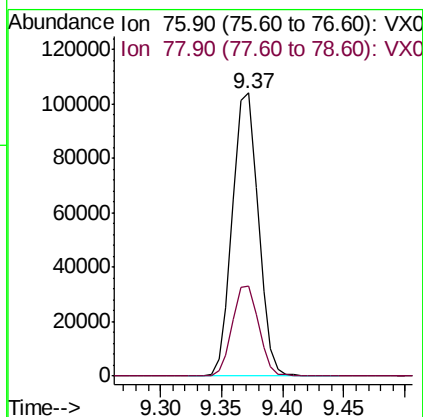
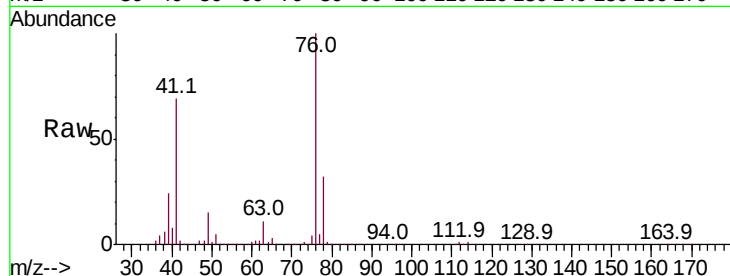
78 32.3 25.5 38.3

Manual Integrations

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5/22/2019 10:39:57 AM



#59

2-Hexanone

Concen: 251.283 ug/l

RT: 9.49 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VX009766.D

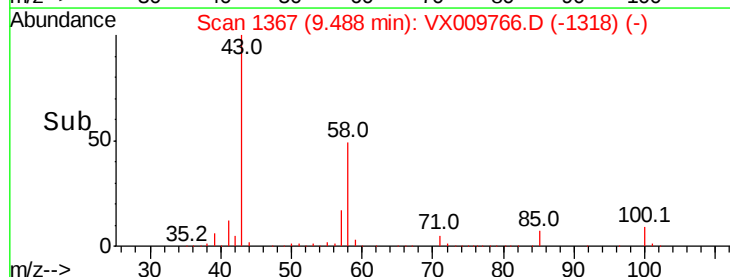
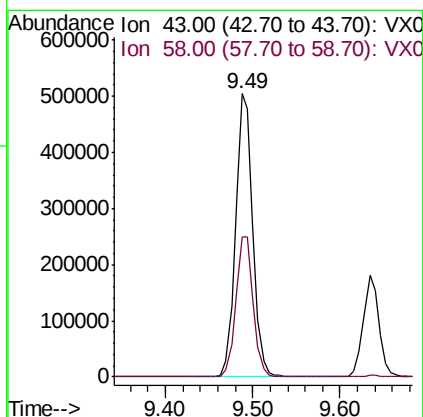
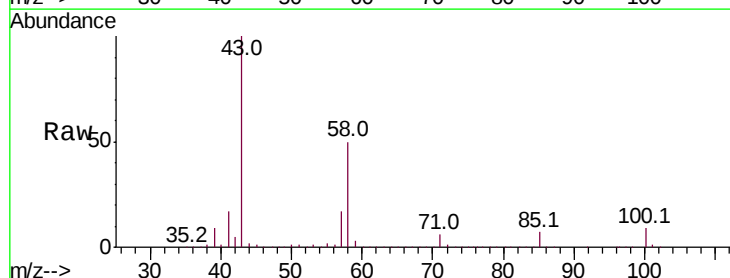
Acq: 21 May 2019 22:25

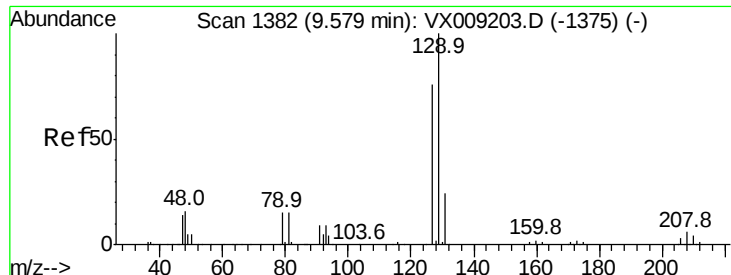
Tgt Ion: 43 Resp: 691947

Ion Ratio Lower Upper

43 100

58 50.5 25.9 77.7





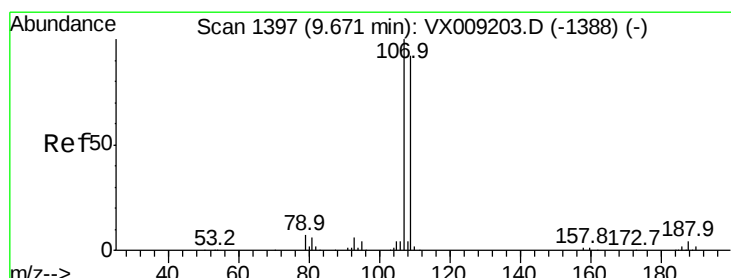
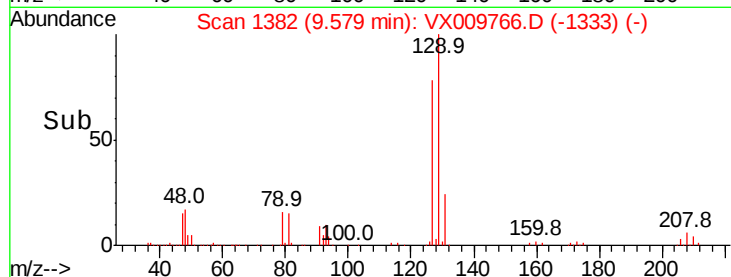
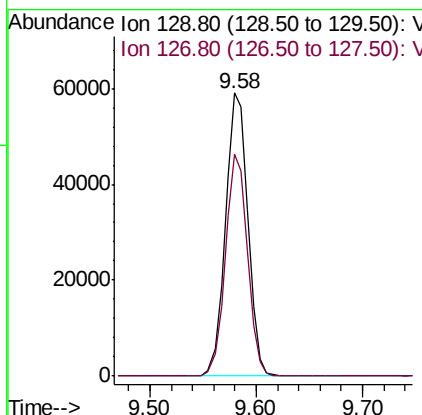
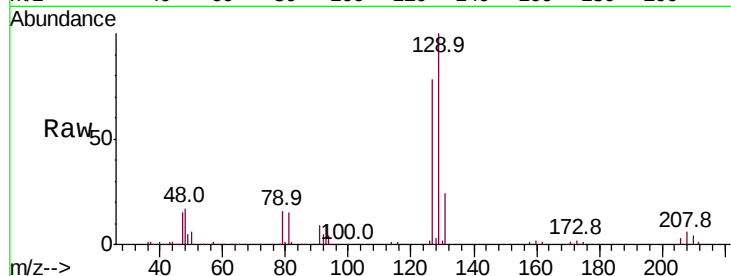
#60
Dibromochloromethane
Concen: 48.177 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009766.D
Acq: 21 May 2019 22:25

Instrument :
MSVOA_X
ClientSampleId :
S73-0229MS

Tot Ion:129 Resp: 86922
Ion Ratio Lower Upper
129 100
127 77.4 38.4 115.1

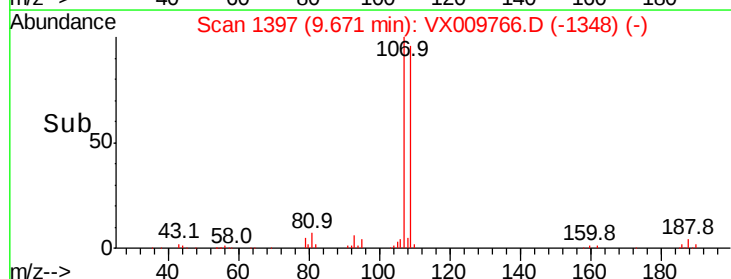
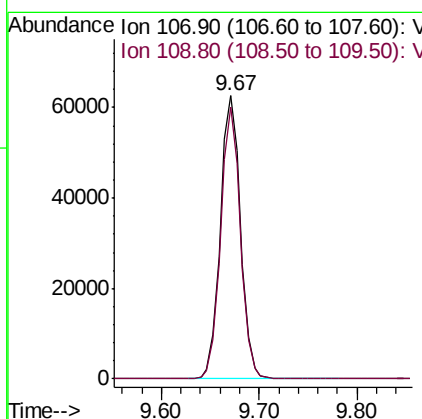
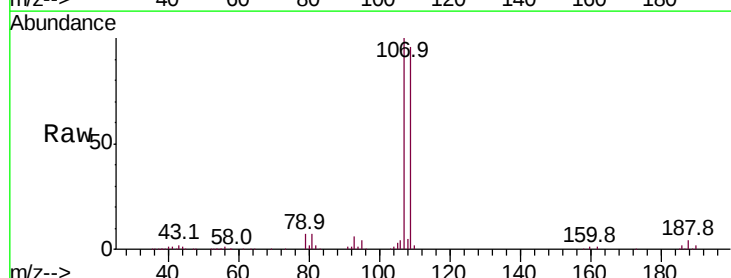
Manual Integrations
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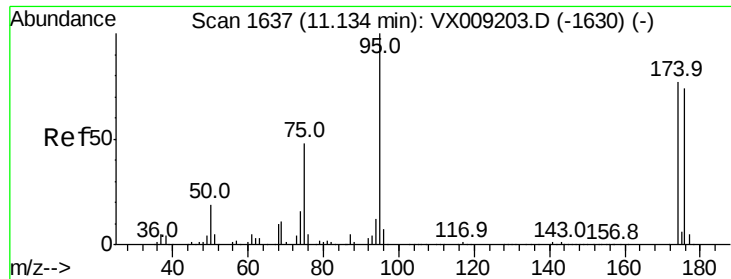
MMDadoda
5/22/2019 10:39:57 AM



#61
1,2-Dibromoethane
Concen: 47.974 ug/l
RT: 9.67 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VX009766.D
Acq: 21 May 2019 22:25

Tgt Ion:107 Resp: 89458
Ion Ratio Lower Upper
107 100
109 94.0 75.2 112.8





#62

4-Bromofluorobenzene

Concen: 40.038 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009766.D

Acq: 21 May 2019 22:25

Instrument :

MSVOA_X

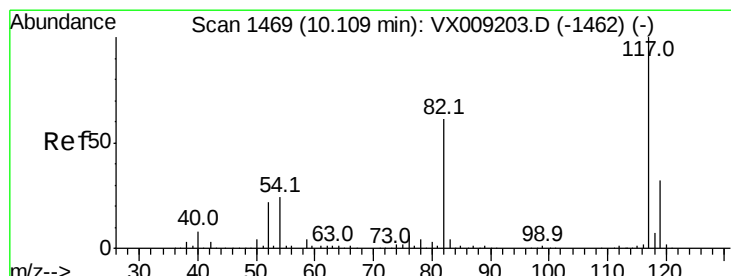
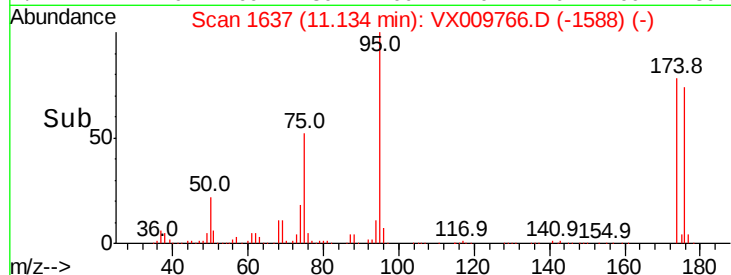
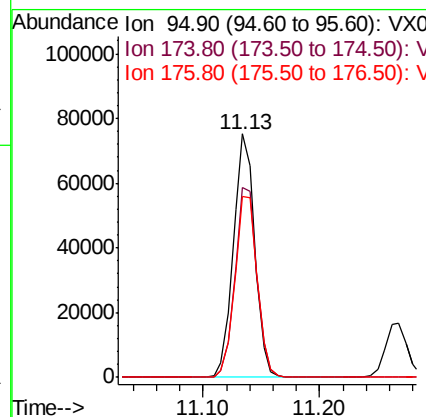
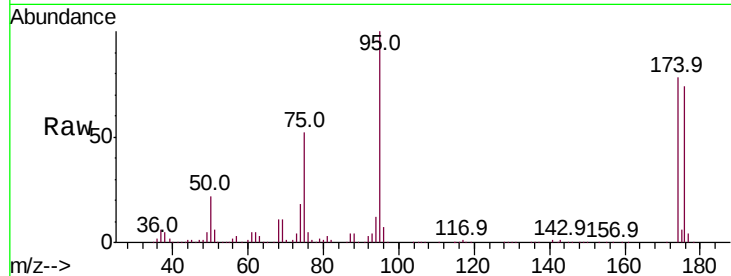
ClientSampleId :

S73-0229MS

Tot Ion:	95	Resp:	95629
Ion Ratio	Lower	Upper	
95	100		
174	80.5	0.0	161.6
176	78.3	0.0	159.2

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

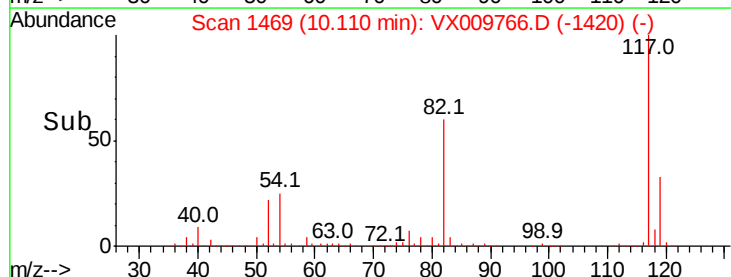
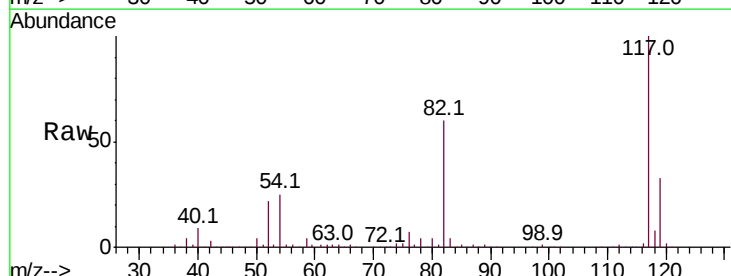
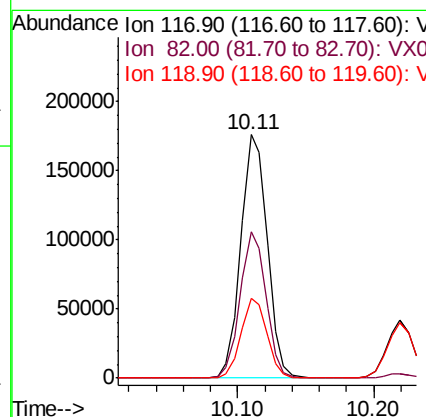
RT: 10.11 min Scan# 1469

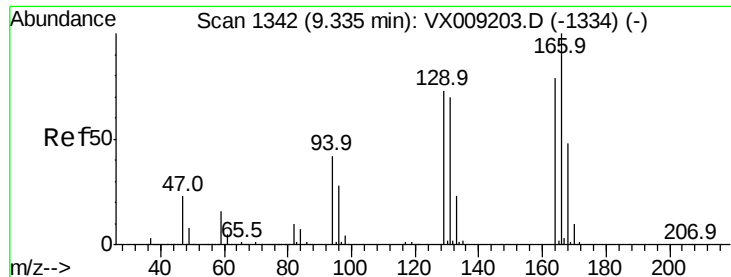
Delta R.T. 0.00 min

Lab File: VX009766.D

Acq: 21 May 2019 22:25

Tgt Ion:	117	Resp:	238446
Ion Ratio	Lower	Upper	
117	100		
82	60.3	48.8	73.2
119	32.9	25.8	38.6





#64

Tetrachloroethene

Concen: 42.366 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX009766.D

Acq: 21 May 2019 22:25

Instrument :

MSVOA_X

ClientSampled :

S73-0229MS

Tot Ion:164 Resp: 69296

Ion Ratio Lower Upper

164 100

166 126.8 101.2 151.8

129 88.1 74.3 111.5

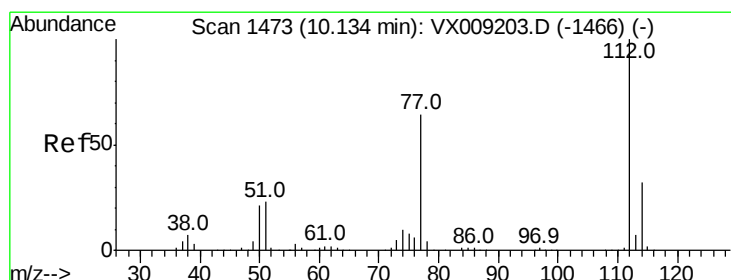
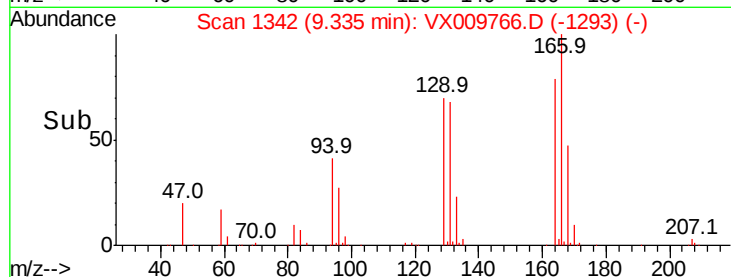
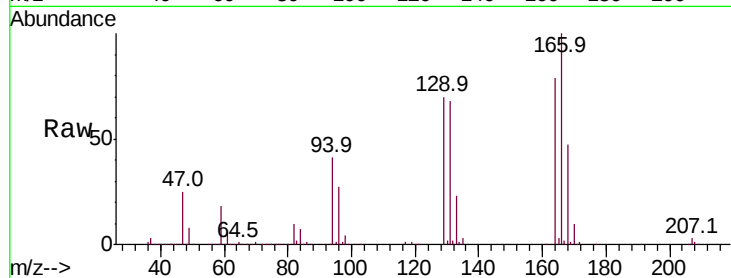
131 86.0 71.0 106.6

Manual Integrations

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#65

Chlorobenzene

Concen: 46.467 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX009766.D

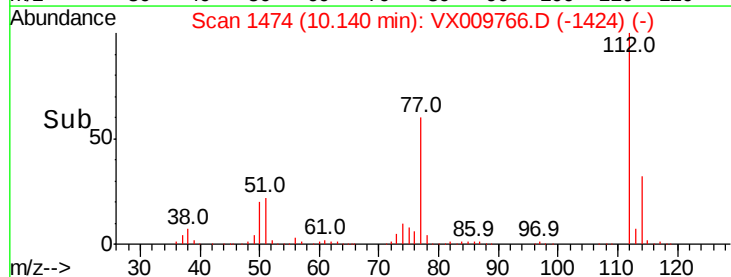
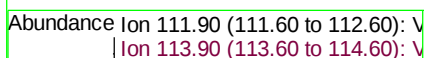
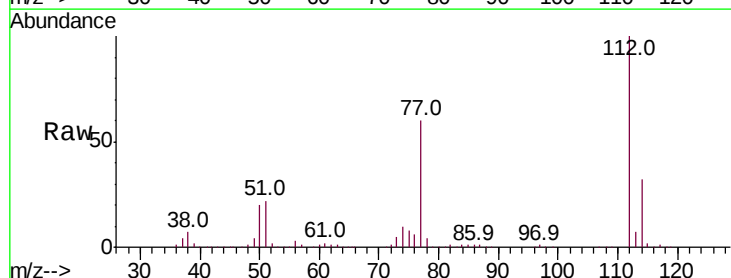
Acq: 21 May 2019 22:25

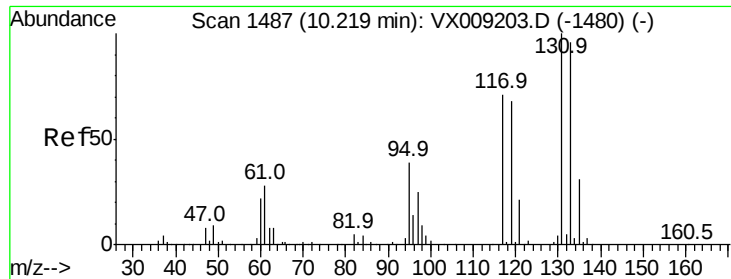
Tgt Ion:112 Resp: 221648

Ion Ratio Lower Upper

112 100

114 31.7 25.5 38.3





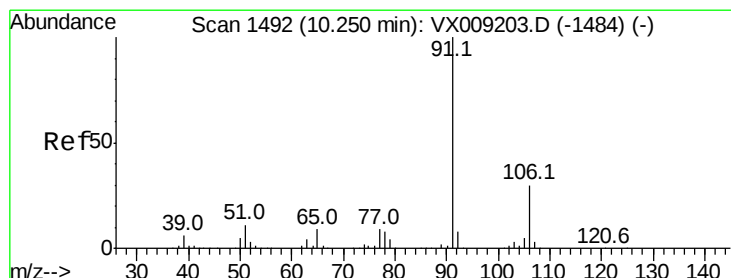
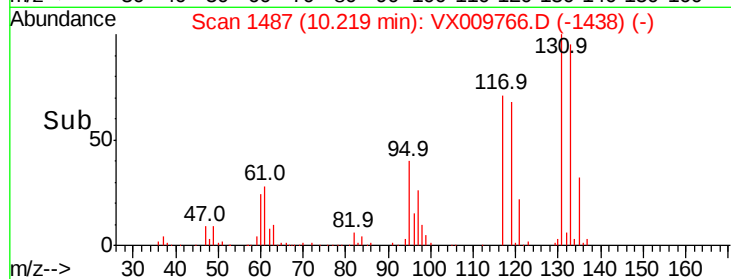
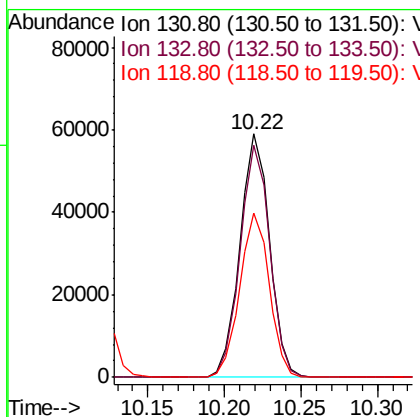
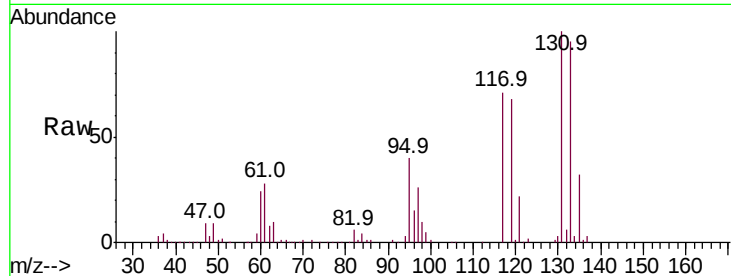
#66
 1,1,1,2-Tetrachloroethane
 Concen: 45.756 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VX009766.D
 Acq: 21 May 2019 22:25

Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0229MS

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.7	143.1
119	67.6	33.5	100.4

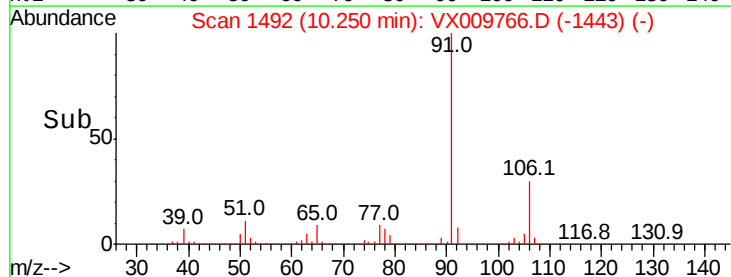
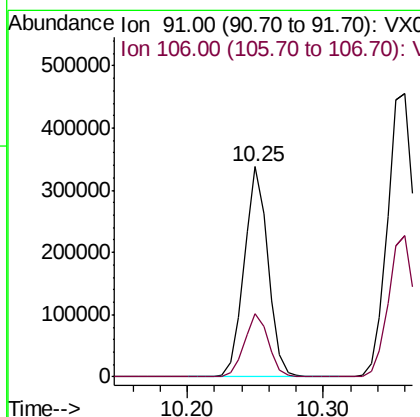
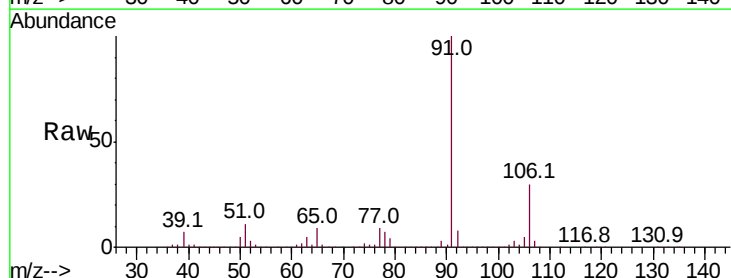
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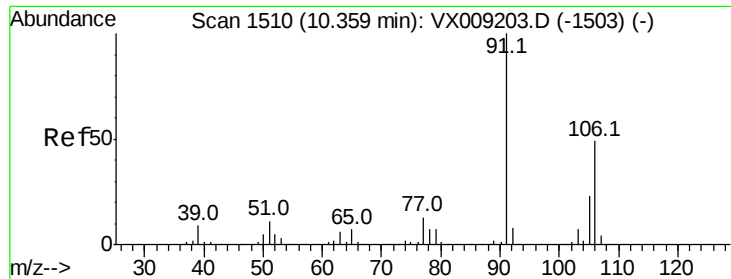
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#67
 Ethyl Benzene
 Concen: 46.983 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX009766.D
 Acq: 21 May 2019 22:25

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.0	36.0





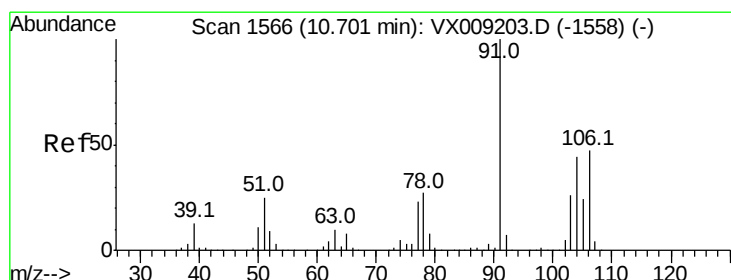
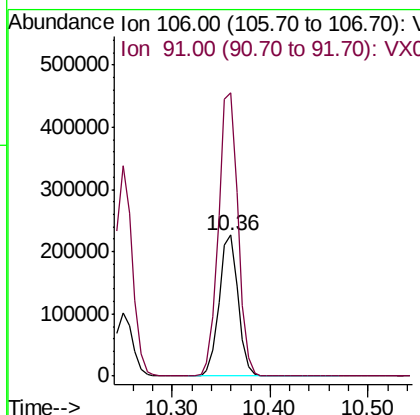
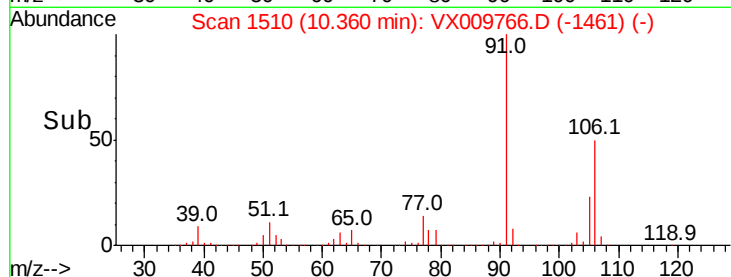
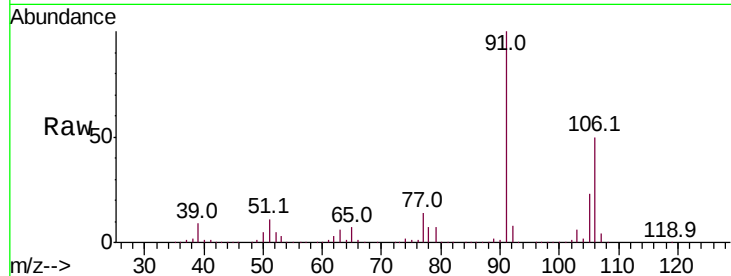
#68
m/p-Xylenes
Concen: 94.967 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX009766.D
Acq: 21 May 2019 22:25

Instrument :
MSVOA_X
ClientSampled :
S73-0229MS

Tot Ion:106 Resp: 304653
Ion Ratio Lower Upper
106 100
91 207.1 164.0 246.0

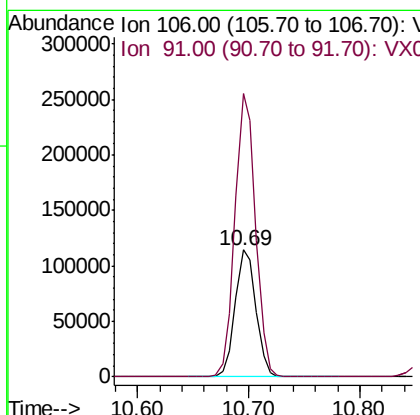
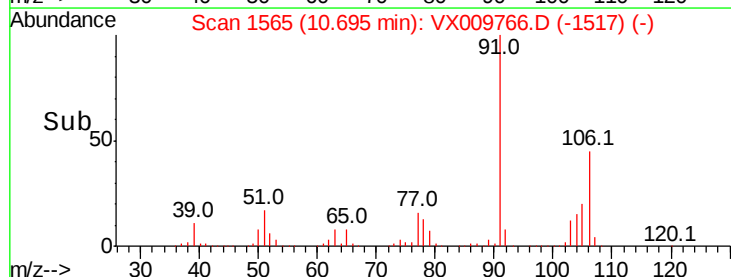
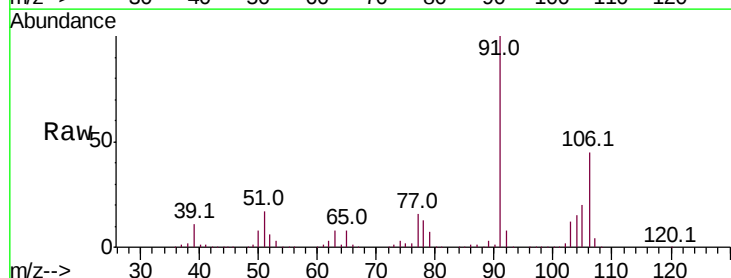
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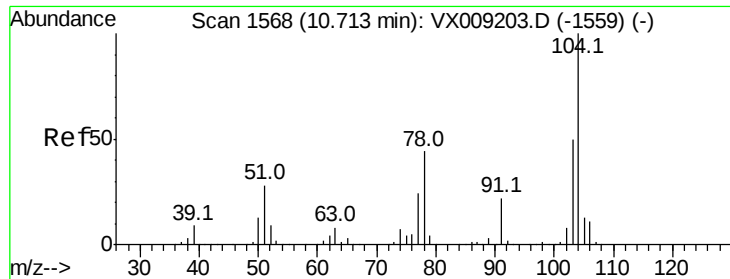
MMDadoda
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#69
o-Xylene
Concen: 46.672 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009766.D
Acq: 21 May 2019 22:25

Tgt Ion:106 Resp: 147725
Ion Ratio Lower Upper
106 100
91 221.3 109.5 328.4





#70

Stvrene

Concen: 47.250 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX009766.D

Acq: 21 May 2019 22:25

Instrument :

MSVOA_X

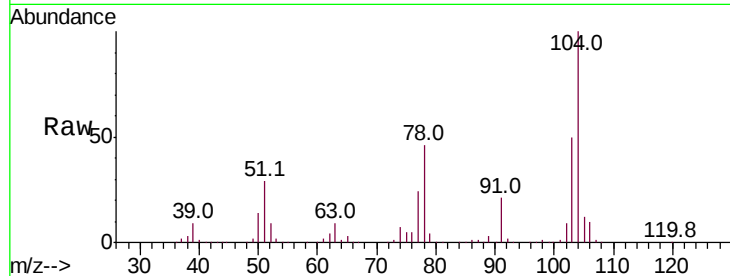
ClientSampled :

S73-0229MS

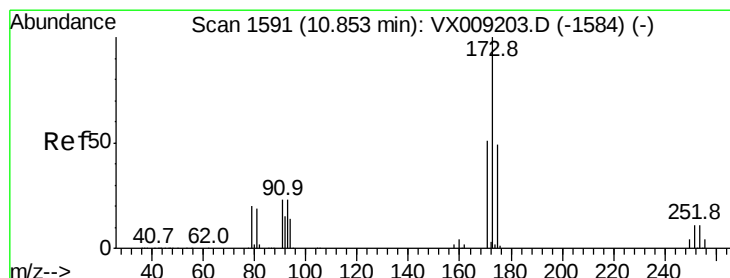
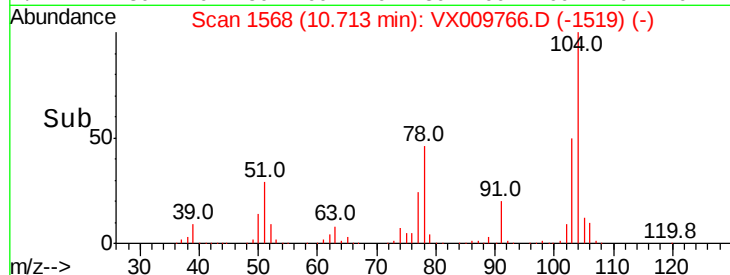
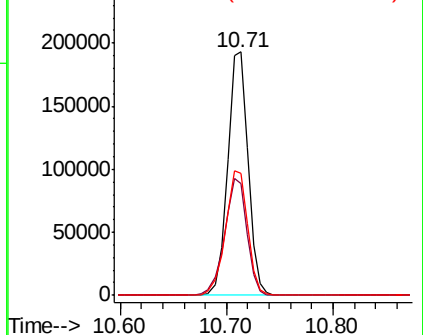
Tot Ion:	104	Resp:	259937
Ion Ratio	Lower	Upper	
104	100		
78	52.3	41.0	61.4
103	55.6	43.8	65.6

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



#71

Bromoform

Concen: 47.824 ug/l

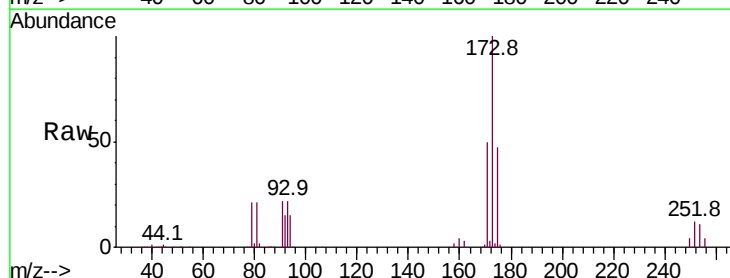
RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

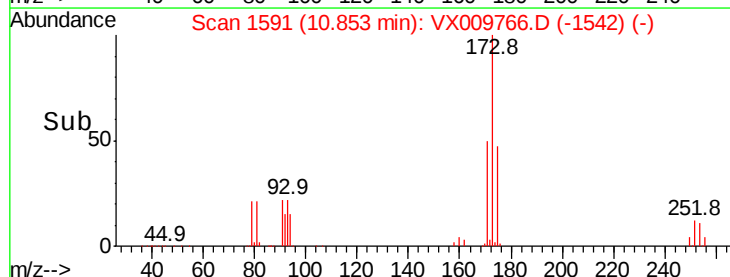
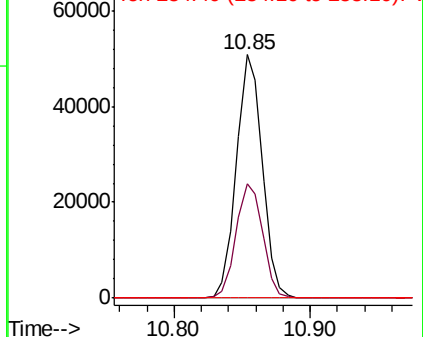
Lab File: VX009766.D

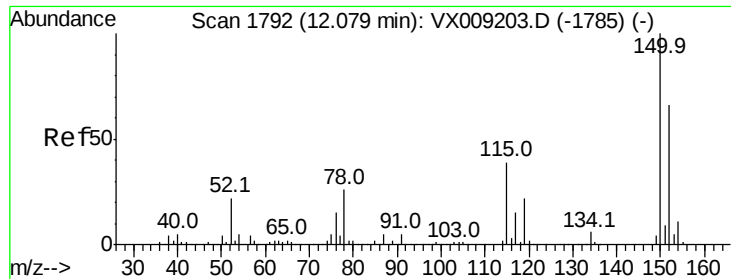
Acq: 21 May 2019 22:25

Tgt Ion:	173	Resp:	67209
Ion Ratio	Lower	Upper	
173	100		
175	48.5	24.5	73.5
254	0.2	0.1	0.1#



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009766.D

Acq: 21 May 2019 22:25

Instrument :

MSVOA_X

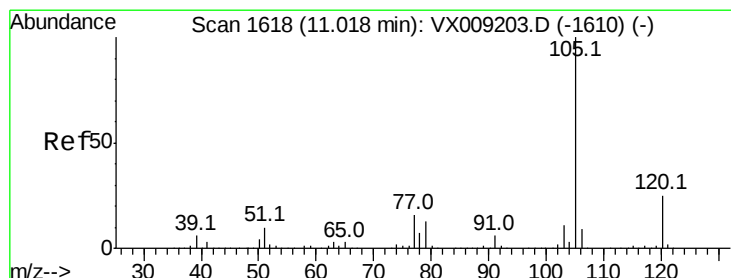
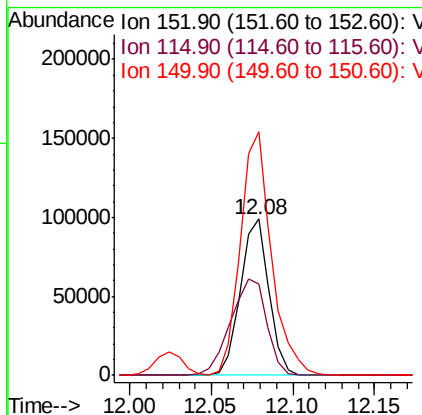
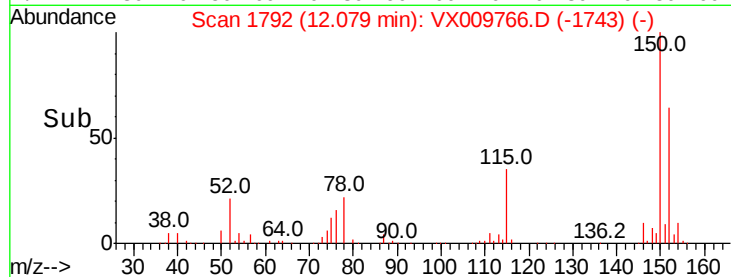
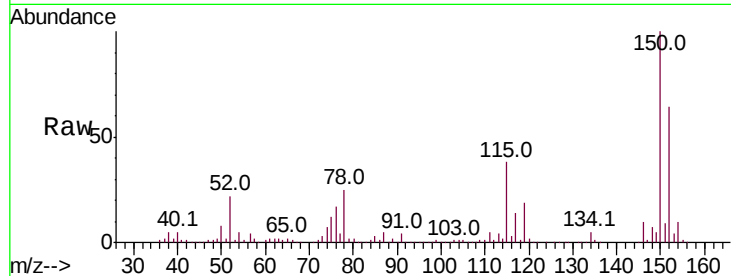
ClientSampleId :

S73-0229MS

Tot Ion:	152	Resp:	120169
Ion Ratio	Lower	Upper	
152	100		
115	78.3	41.2	123.6
150	169.9	0.0	346.4

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#73

Isopropylbenzene

Concen: 45.005 ug/l

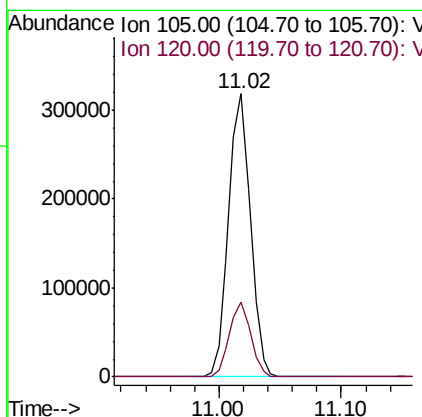
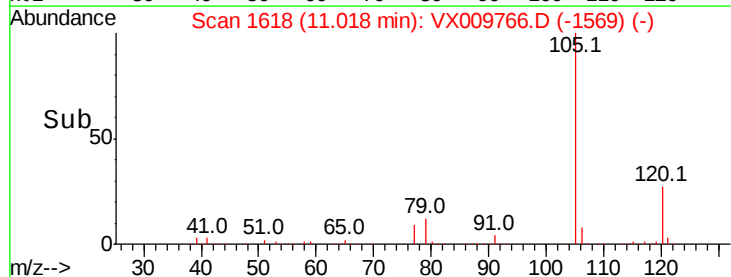
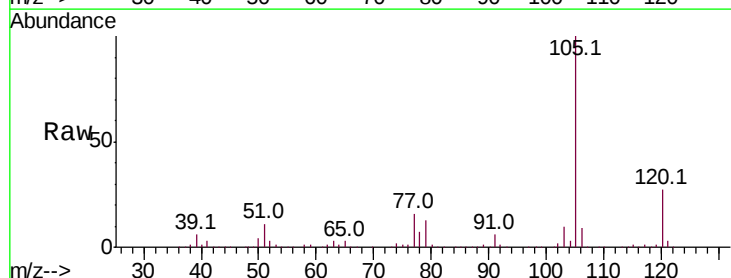
RT: 11.02 min Scan# 1618

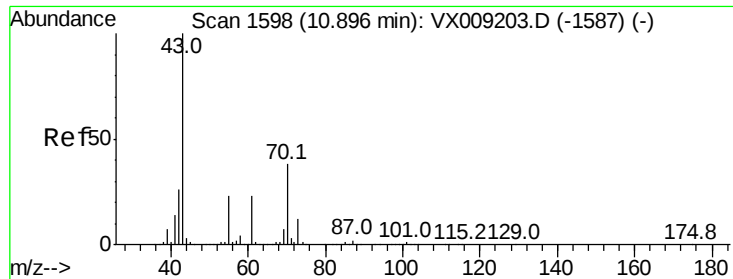
Delta R.T. 0.00 min

Lab File: VX009766.D

Acq: 21 May 2019 22:25

Tgt Ion:	105	Resp:	393275
Ion Ratio	Lower	Upper	
105	100		
120	26.0	12.8	38.3





#74

N-amvl acetate

Concen: 44.158 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009766.D

Acq: 21 May 2019 22:25

Instrument :

MSVOA_X

ClientSampleId :

S73-0229MS

Tot Ion: 43 Resp: 224970

Ion Ratio Lower Upper

43 100

70 36.3 30.0 45.0

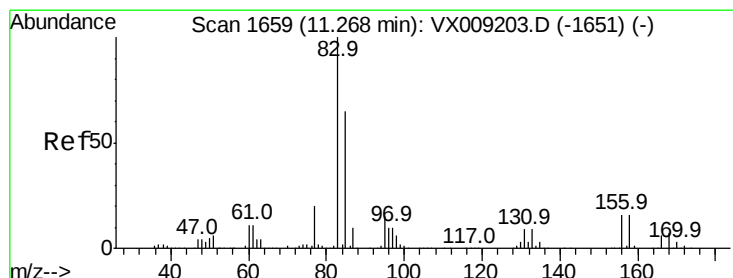
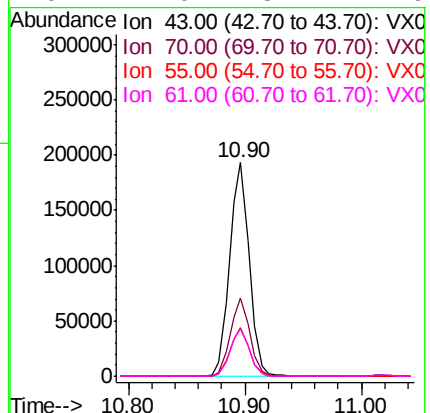
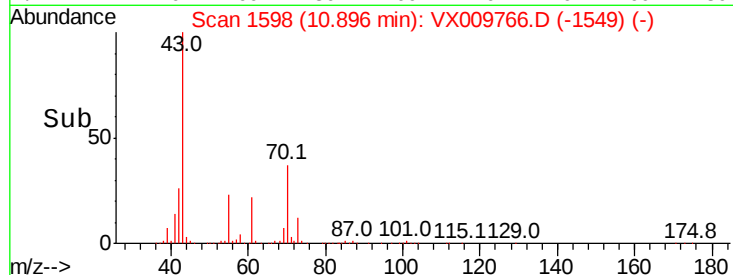
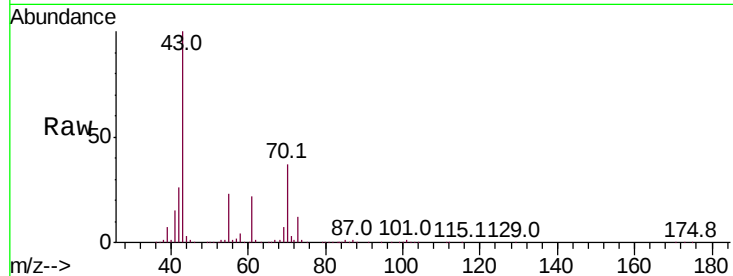
55 22.6 17.9 26.9

61 22.0 18.4 27.6

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#75

1,1,2,2-Tetrachloroethane

Concen: 46.416 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009766.D

Acq: 21 May 2019 22:25

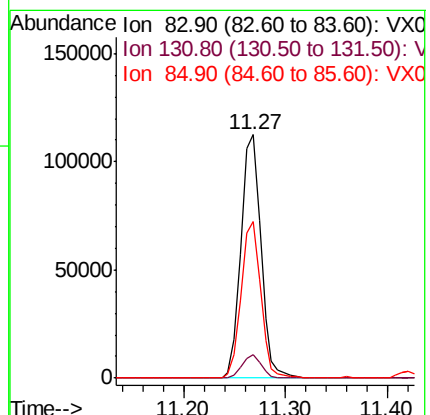
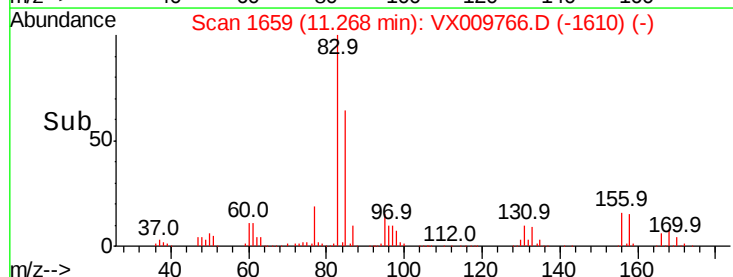
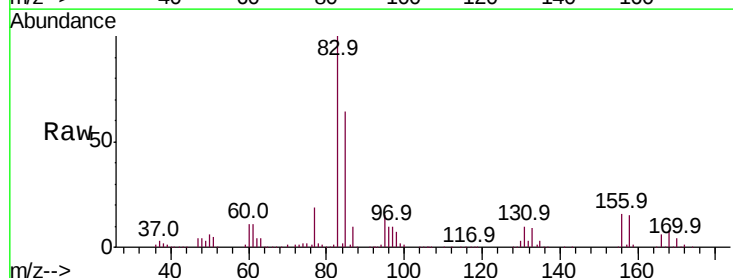
Tgt Ion: 83 Resp: 151205

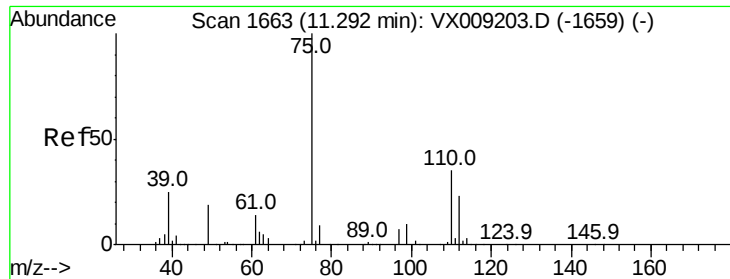
Ion Ratio Lower Upper

83 100

131 9.5 4.6 13.8

85 63.2 32.0 96.2





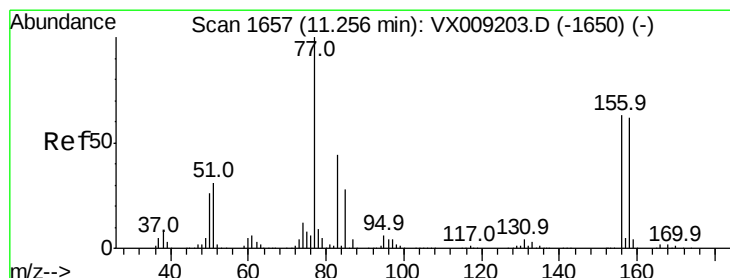
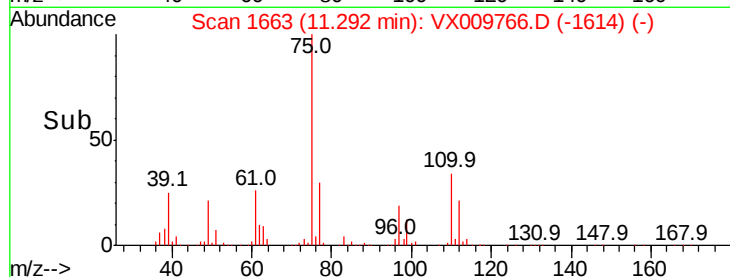
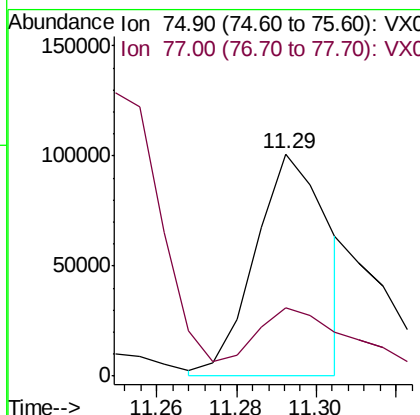
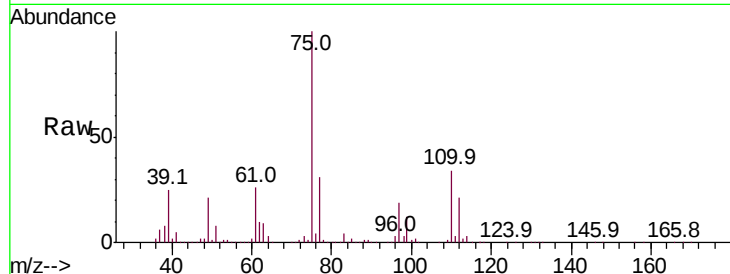
#76
 1,2,3-Trichloropropane
 Concen: 45.912 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX009766.D
 Acq: 21 May 2019 22:25

Instrument :
 MSVOA_X
 ClientSampled :
 S73-0229MS

Tot Ion: 75 Resp: 127980
 Ion Ratio Lower Upper
 75 100
 77 42.3 22.1 66.1

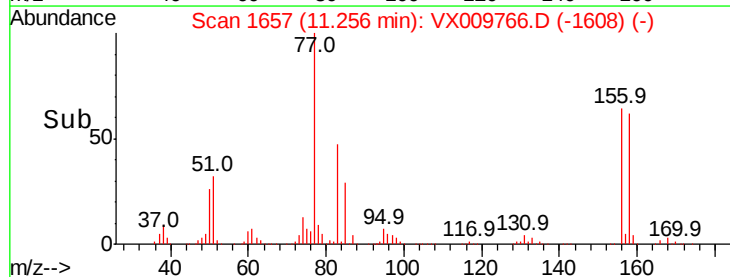
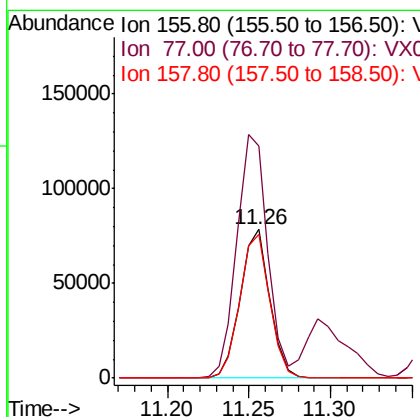
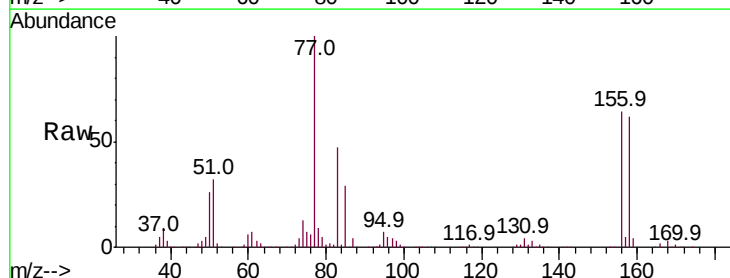
Manual Integrations
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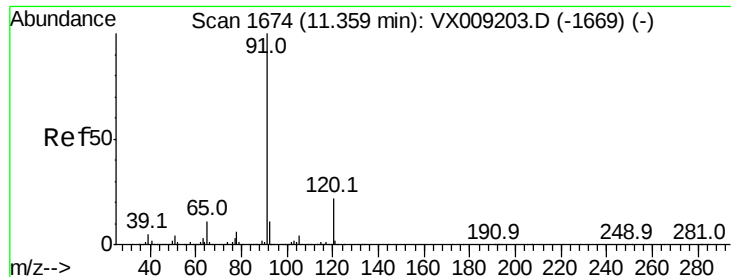
MMDadoda
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#77
 Bromobenzene
 Concen: 45.716 ug/l
 RT: 11.26 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: VX009766.D
 Acq: 21 May 2019 22:25

Tgt Ion: 156 Resp: 99156
 Ion Ratio Lower Upper
 156 100
 77 169.8 84.8 254.3
 158 98.0 49.1 147.3





#78

n-propylbenzene

Concen: 45.557 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009766.D

Acq: 21 May 2019 22:25

Instrument :

MSVOA_X

ClientSampleId :

S73-0229MS

Tot Ion: 91 Resp: 454657

Ion Ratio Lower Upper

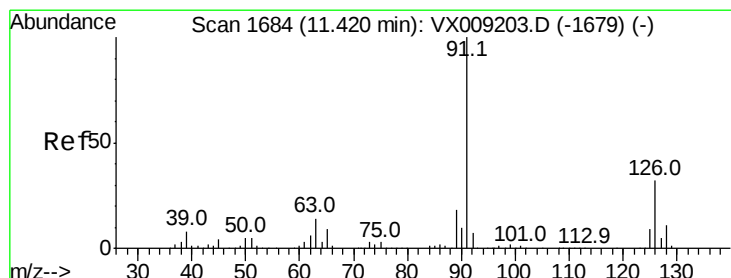
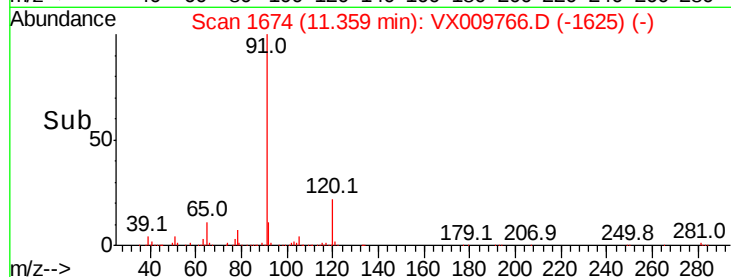
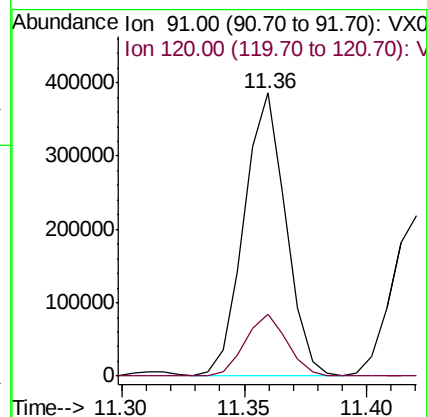
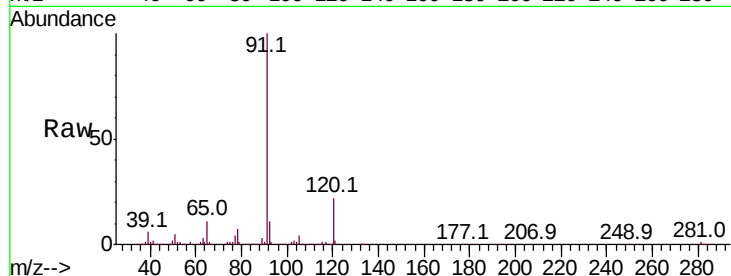
91 100

120 22.0 11.0 33.0

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#79

2-Chlorotoluene

Concen: 44.478 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009766.D

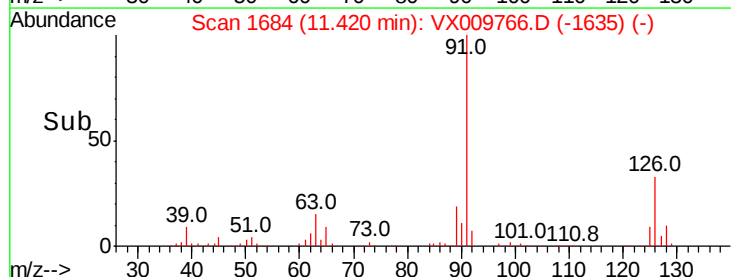
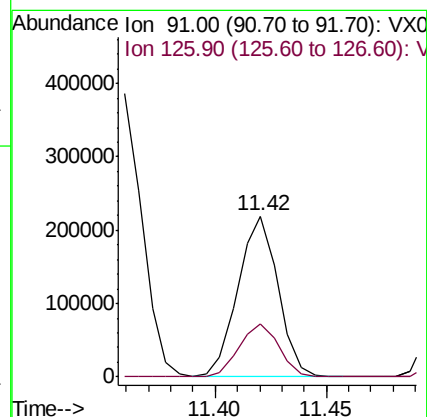
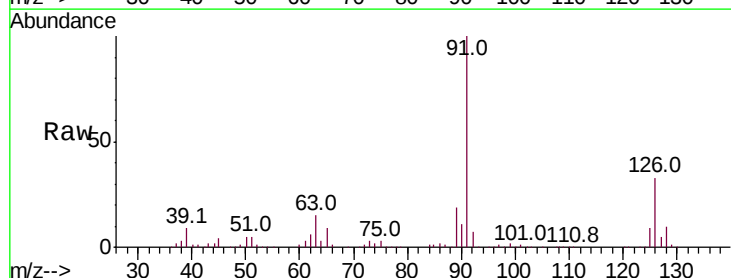
Acq: 21 May 2019 22:25

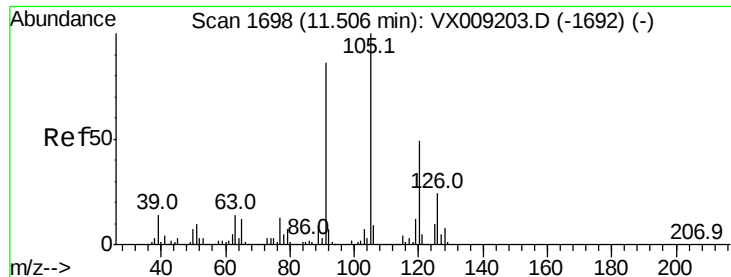
Tgt Ion: 91 Resp: 273856

Ion Ratio Lower Upper

91 100

126 32.7 16.3 48.9





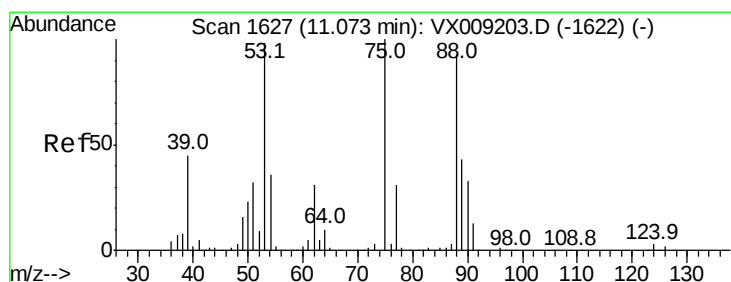
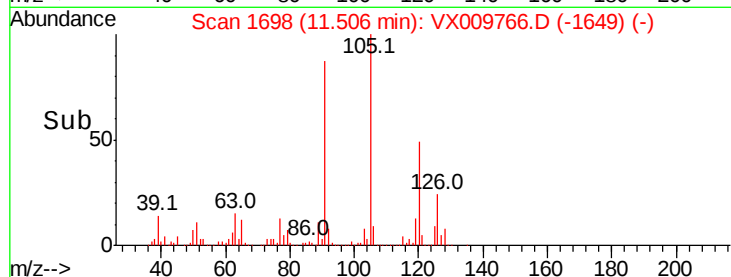
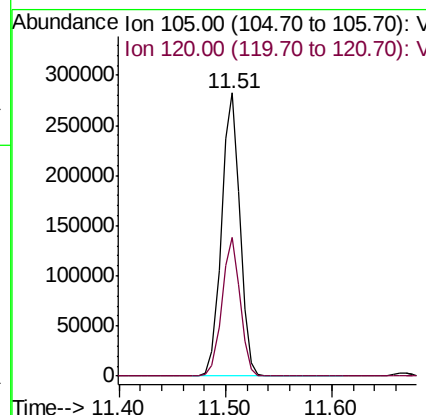
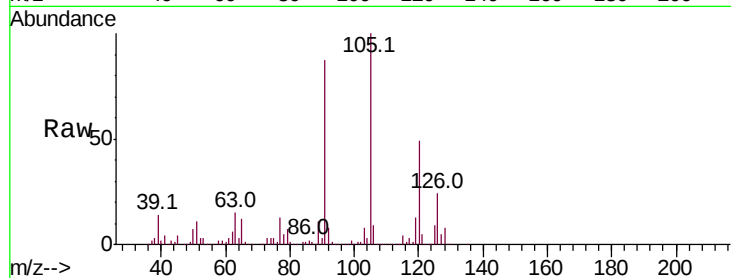
#80
 1,3,5-Trimethylbenzene
 Concen: 45.791 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX009766.D
 Acq: 21 May 2019 22:25

Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0229MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	48.4	24.3	72.9

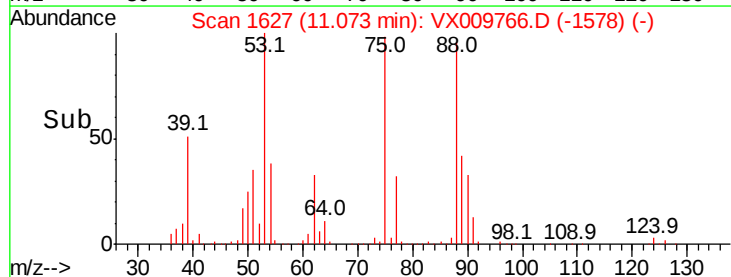
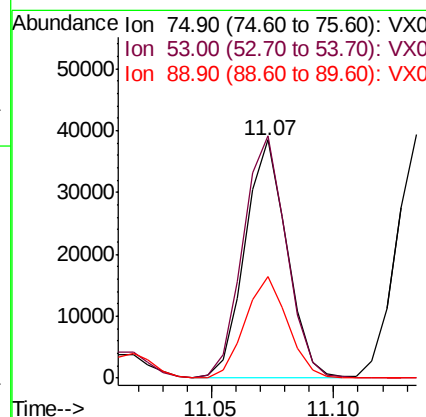
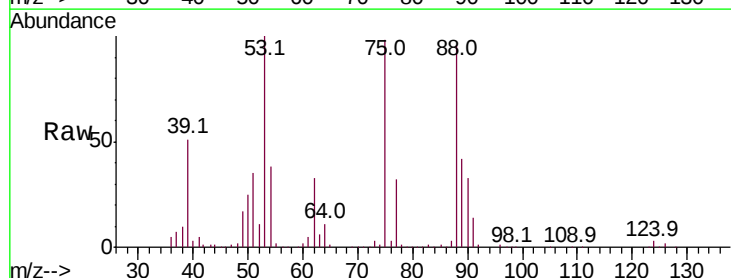
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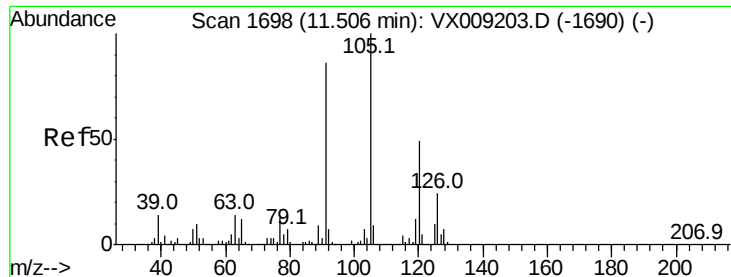
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 41.910 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VX009766.D
 Acq: 21 May 2019 22:25

Tgt Ion	Ratio	Lower	Upper
75	100		
53	105.1	79.0	118.6
89	43.4	34.7	52.1





#82

4-Chlorotoluene

Concen: 45.435 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009766.D

Acq: 21 May 2019 22:25

Instrument :

MSVOA_X

ClientSampled :

S73-0229MS

Tot Ion: 91 Resp: 316031

Ion Ratio Lower Upper

91 100

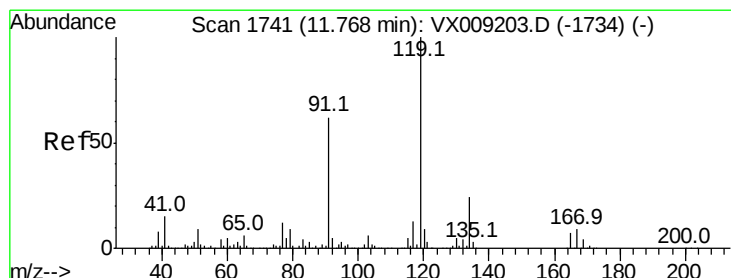
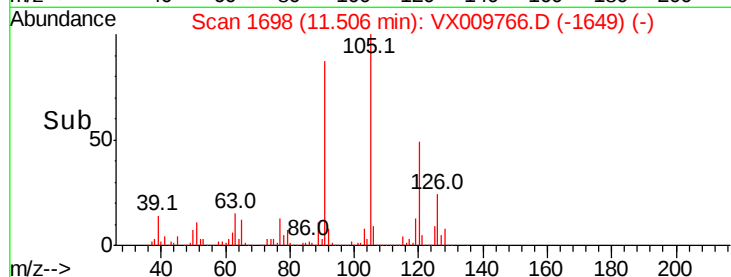
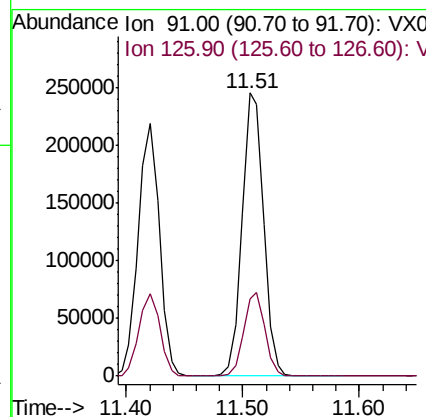
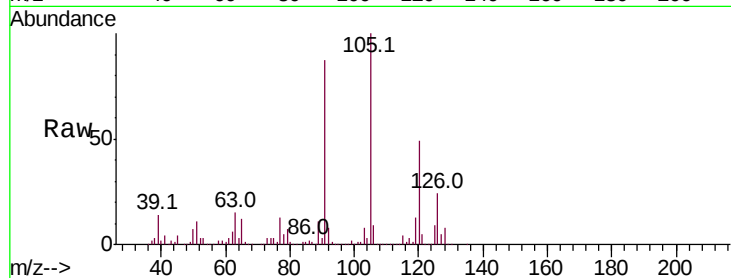
126 29.0 14.5 43.6

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#83

tert-Butylbenzene

Concen: 45.506 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX009766.D

Acq: 21 May 2019 22:25

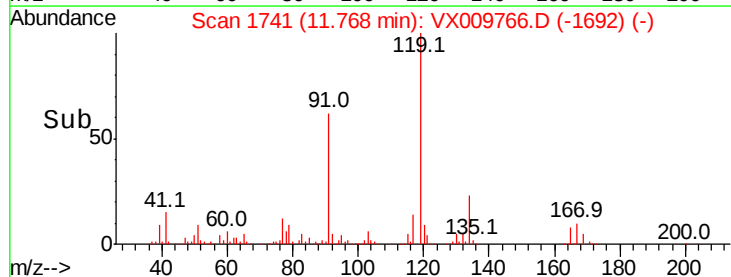
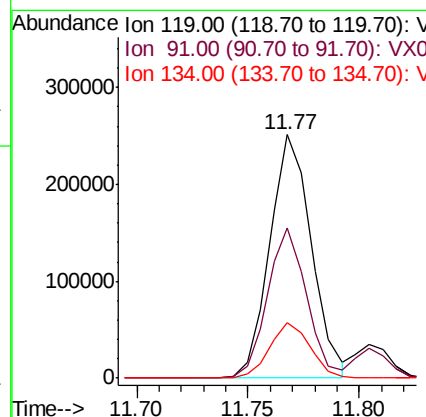
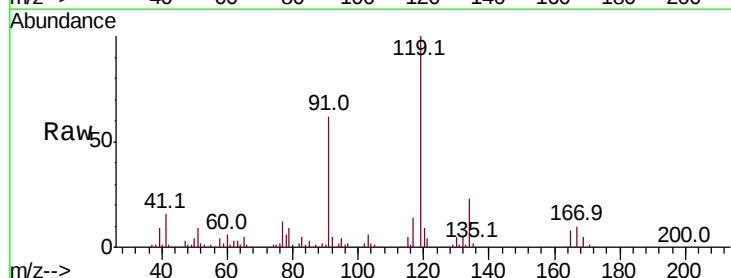
Tgt Ion: 119 Resp: 325716

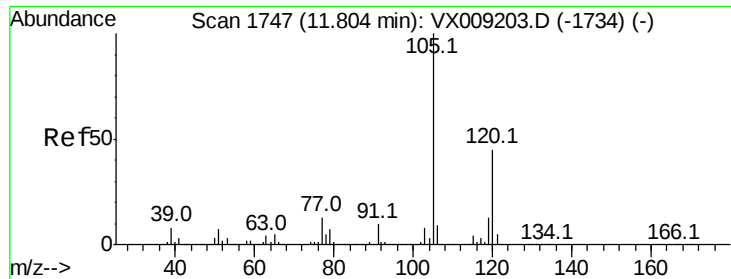
Ion Ratio Lower Upper

119 100

91 58.3 29.5 88.5

134 22.3 11.4 34.1





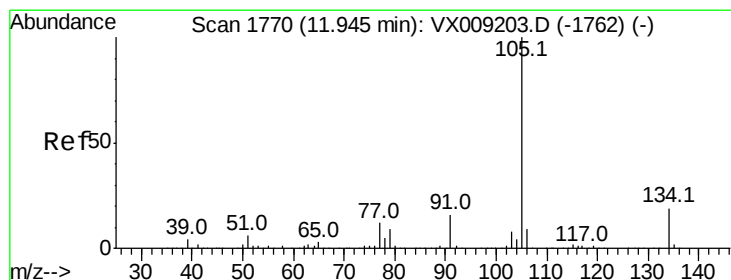
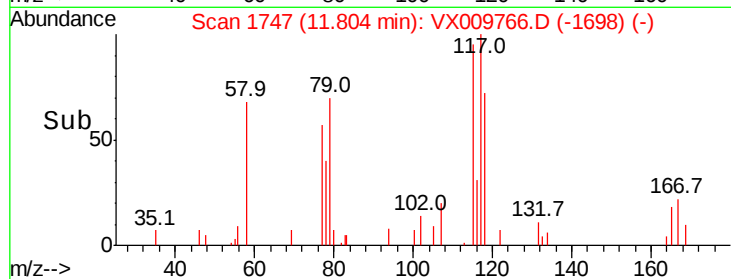
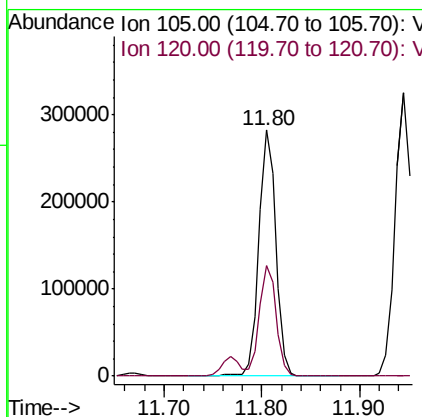
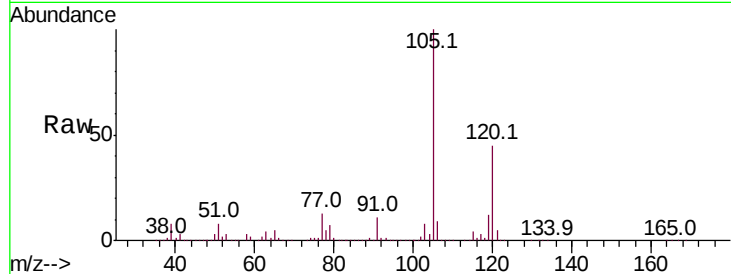
#84
 1,2,4-Trimethylbenzene
 Concen: 45.886 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX009766.D
 Acq: 21 May 2019 22:25

Instrument :
 MSVOA_X
 ClientSampled :
 S73-0229MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.0	66.0

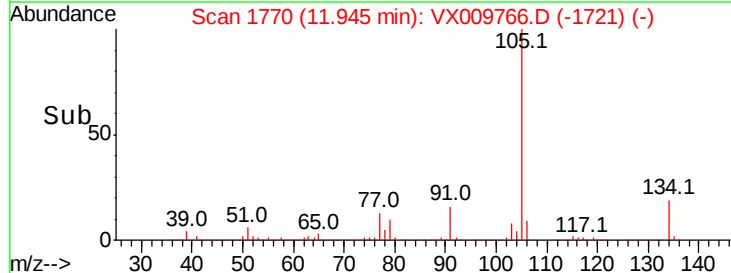
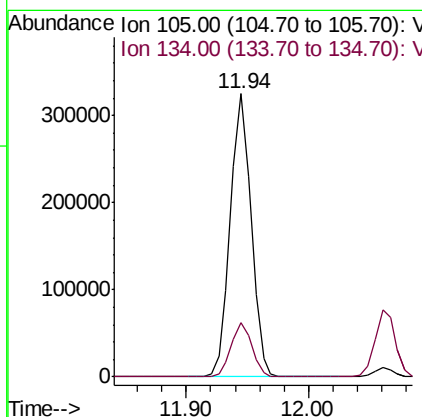
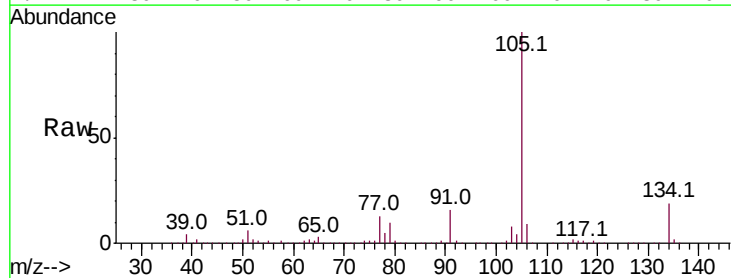
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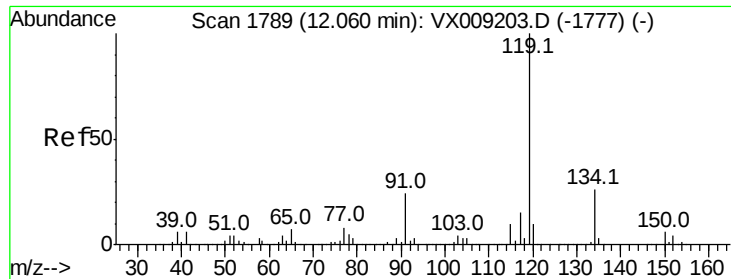
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#85
 sec-Butylbenzene
 Concen: 44.885 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX009766.D
 Acq: 21 May 2019 22:25

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9





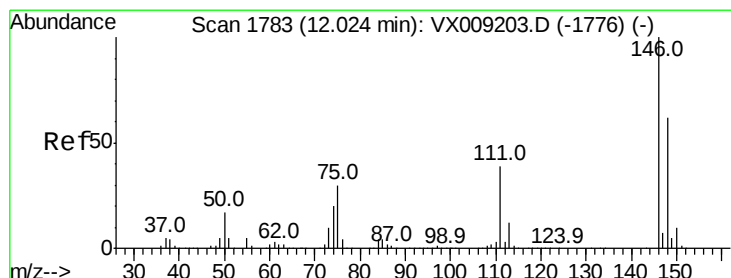
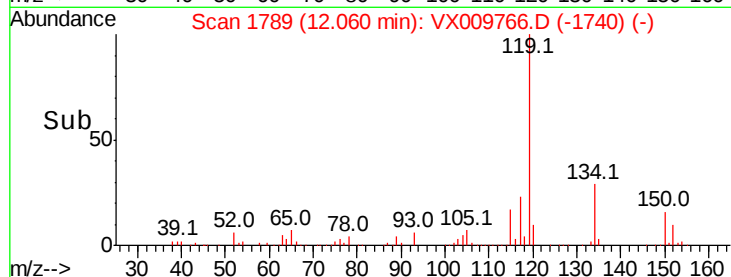
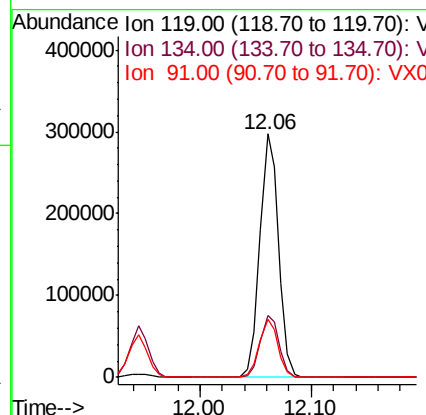
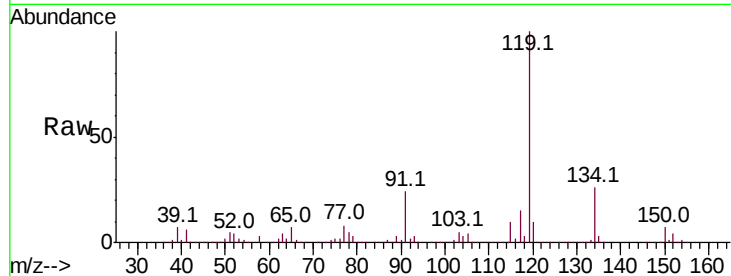
#86
 p-Isopropyltoluene
 Concen: 45.691 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX009766.D
 Acq: 21 May 2019 22:25

Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0229MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100			
134	25.8	12.9	38.7	
91	23.9	11.8	35.4	

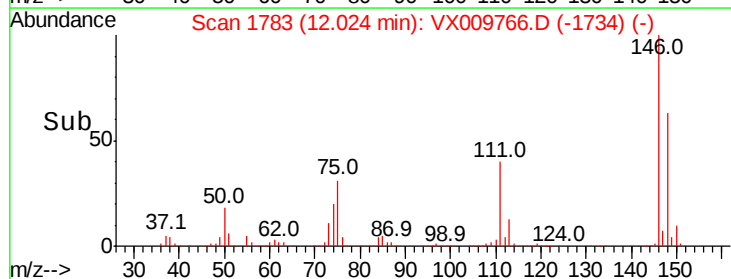
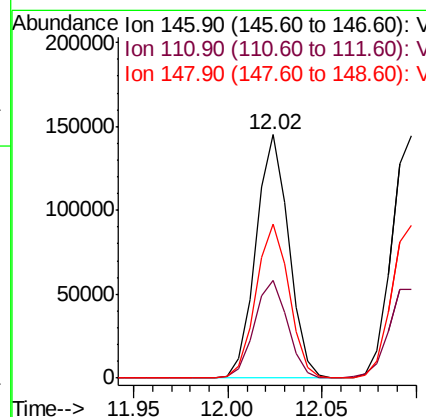
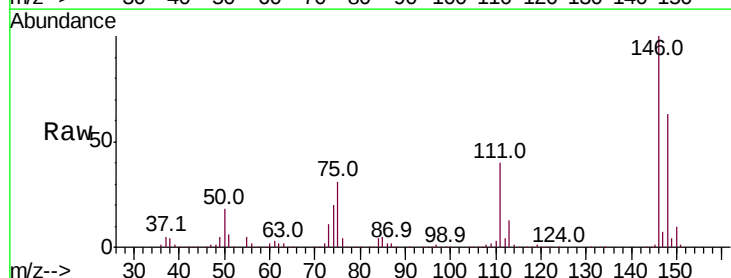
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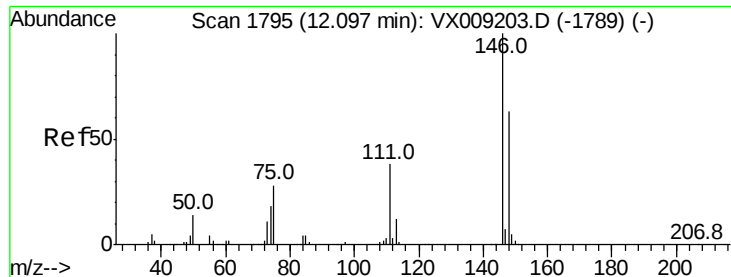
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#87
 1,3-Dichlorobenzene
 Concen: 45.223 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009766.D
 Acq: 21 May 2019 22:25

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	40.5	20.0	59.9	
148	63.9	31.8	95.3	





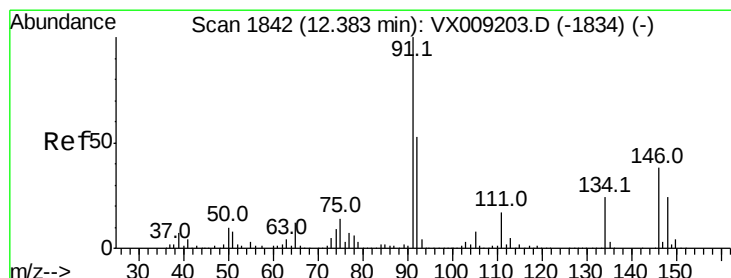
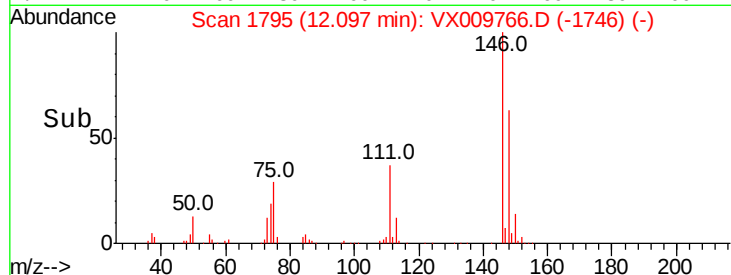
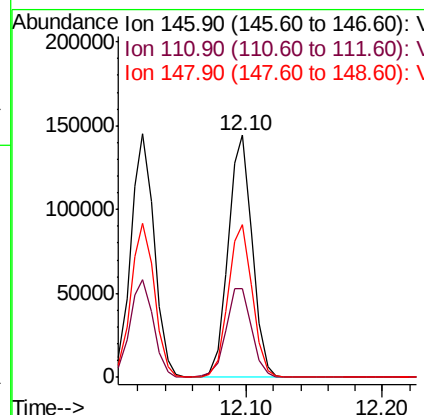
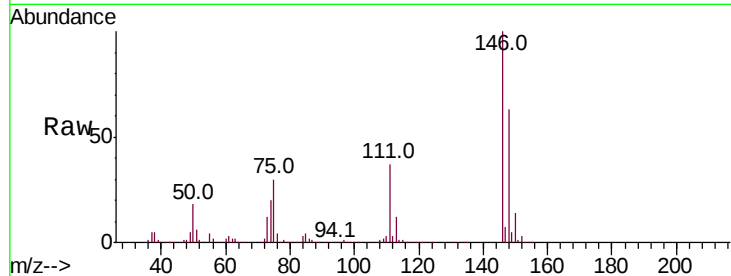
#88
 1,4-Dichlorobenzene
 Concen: 45.010 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009766.D
 Acq: 21 May 2019 22:25

Instrument :
 MSVOA_X
 ClientSampled :
 S73-0229MS

Tot Ion	Ratio	Resp	Lower	Upper
146	100	175456		
111	39.2	19.6	58.8	
148	63.7	31.8	95.3	

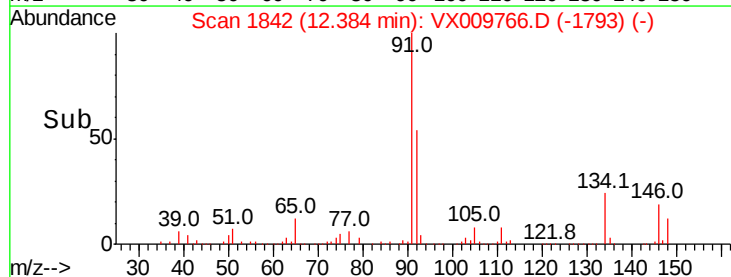
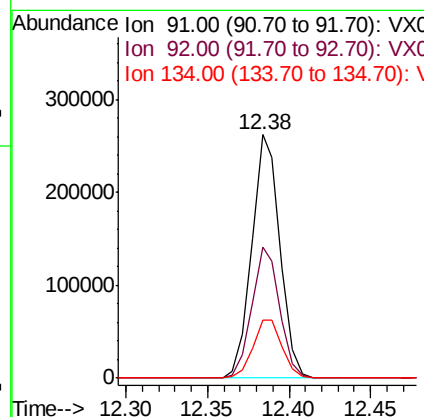
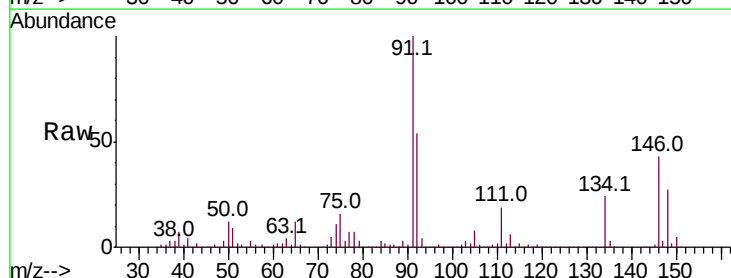
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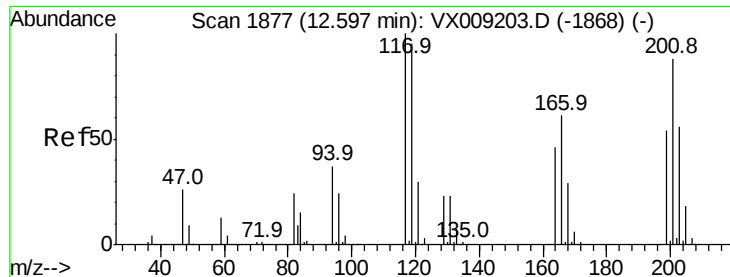
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#89
 n-Butylbenzene
 Concen: 45.678 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: VX009766.D
 Acq: 21 May 2019 22:25

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	314959		
92	53.1	26.5	79.5	
134	24.8	12.4	37.2	





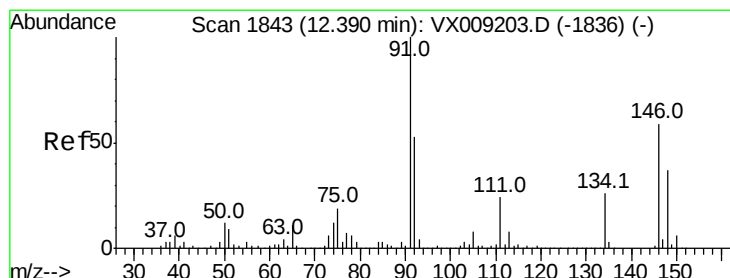
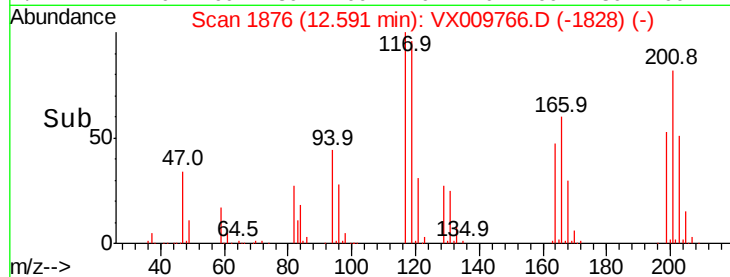
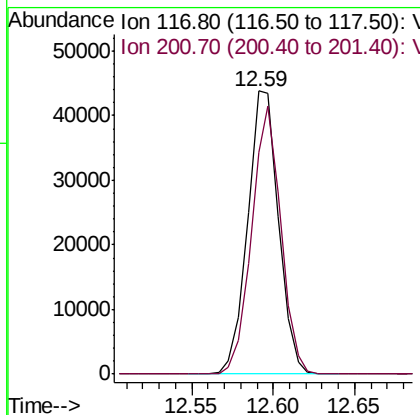
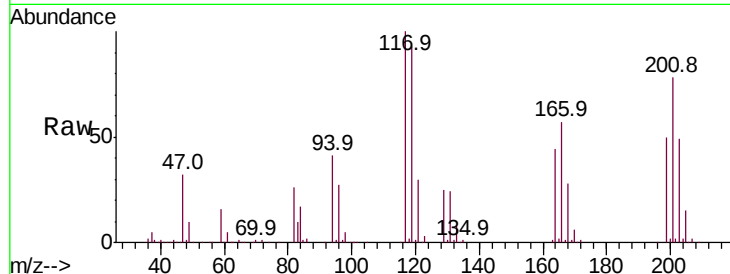
#90
Hexachloroethane
Concen: 44.655 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009766.D
Acq: 21 May 2019 22:25

Instrument :
MSVOA_X
ClientSampleId :
S73-0229MS

Tot Ion:117 Resp: 58039
Ion Ratio Lower Upper
117 100
201 89.3 42.3 126.9

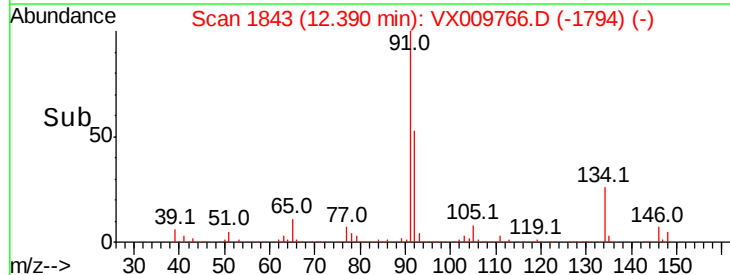
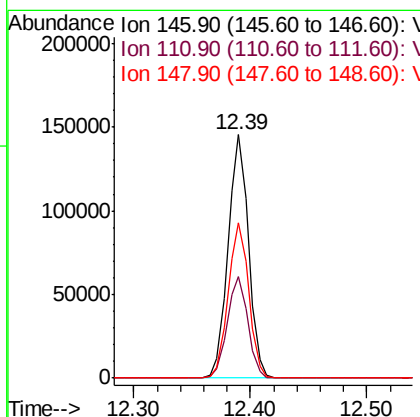
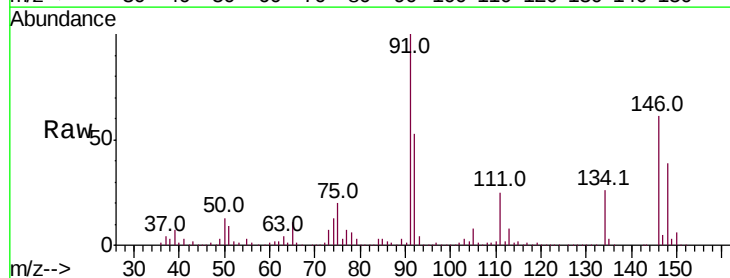
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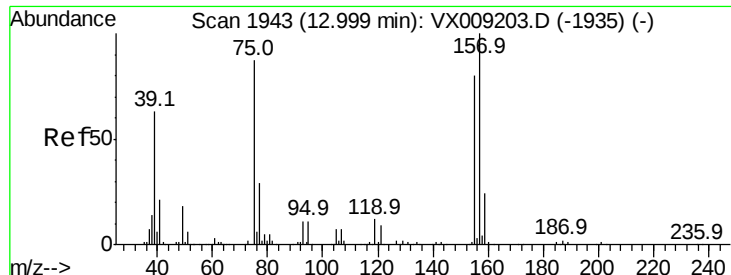
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#91
1,2-Dichlorobenzene
Concen: 44.874 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX009766.D
Acq: 21 May 2019 22:25

Tgt Ion:146 Resp: 176724
Ion Ratio Lower Upper
146 100
111 41.8 20.8 62.4
148 64.1 31.9 95.9





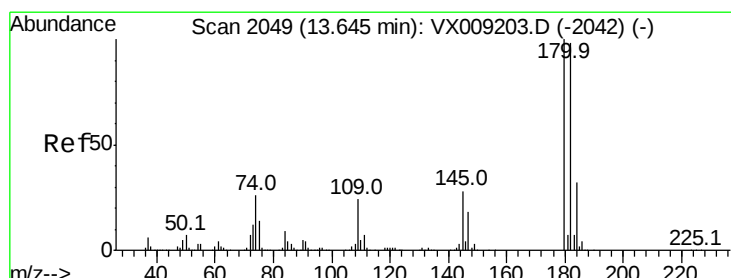
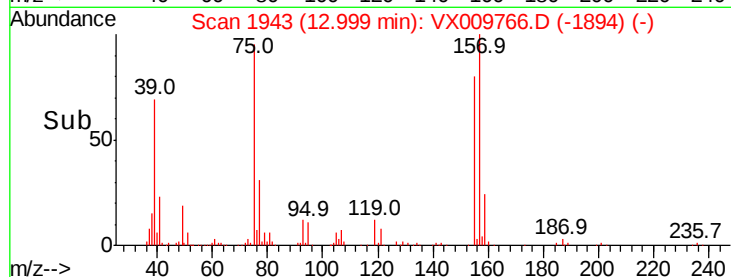
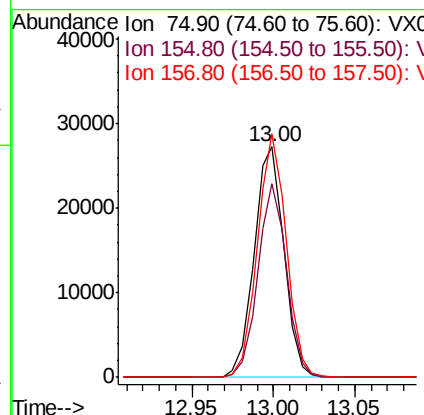
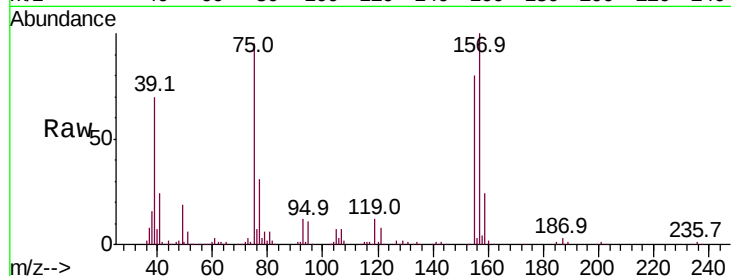
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.309 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009766.D
 Acq: 21 May 2019 22:25

Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0229MS

Tot Ion	Ratio	Lower	Upper
75	100		
155	80.8	42.0	126.0
157	102.3	53.2	159.6

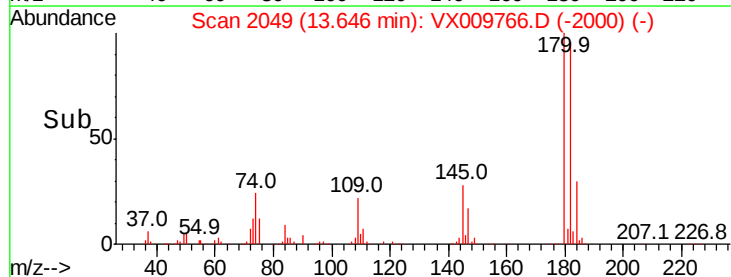
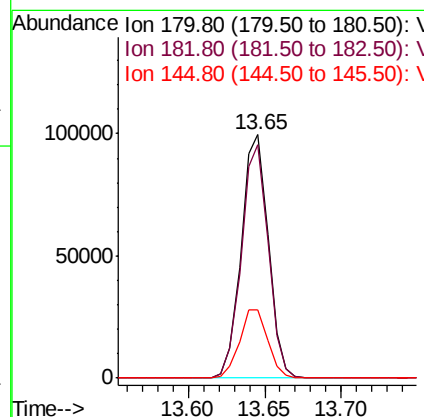
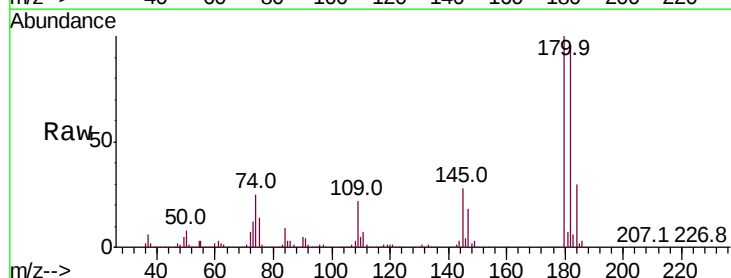
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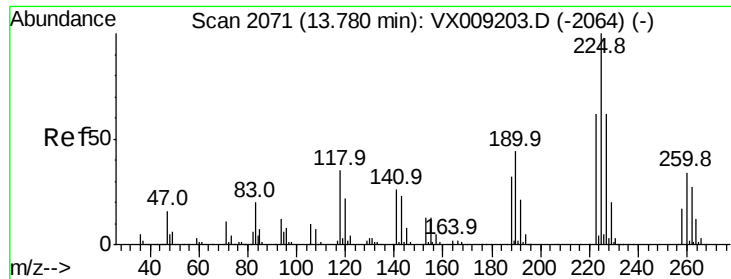
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#93
 1,2,4-Trichlorobenzene
 Concen: 45.337 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009766.D
 Acq: 21 May 2019 22:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.4	145.2
145	29.5	14.6	43.8





#94

Hexachlorobutadiene

Concen: 42.869 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX009766.D

Acq: 21 May 2019 22:25

Instrument :

MSVOA_X

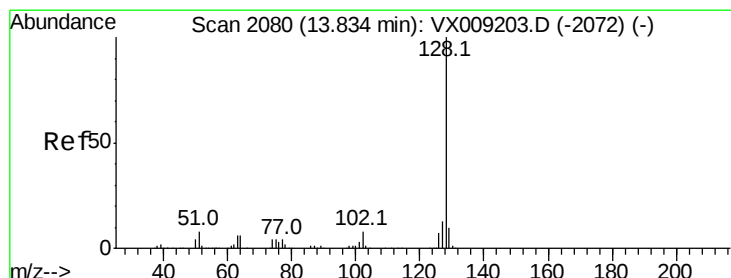
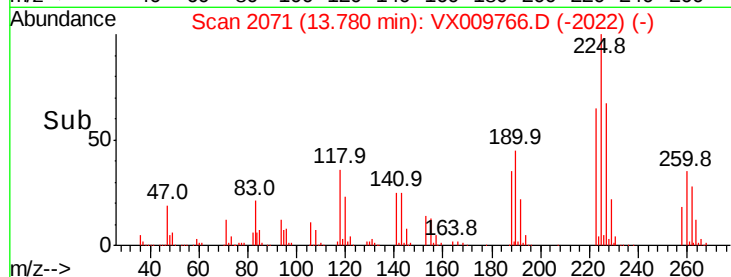
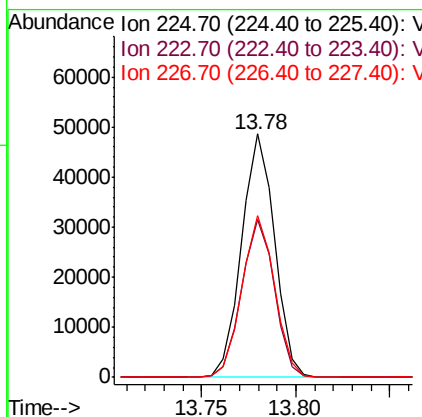
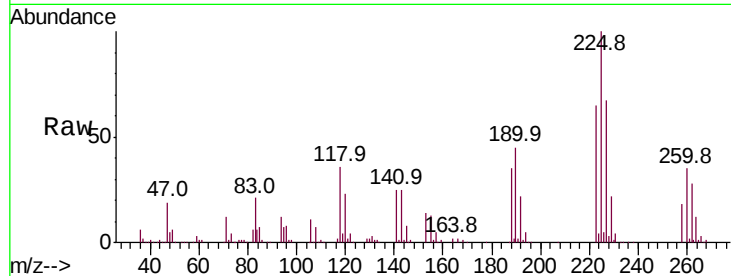
ClientSampleId :

S73-0229MS

Tot Ion:	225	Resp:	58956
Ion Ratio	Lower	Upper	
225	100		
223	64.8	31.3	93.8
227	66.0	31.8	95.3

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#95

Naphthalene

Concen: 45.760 ug/l

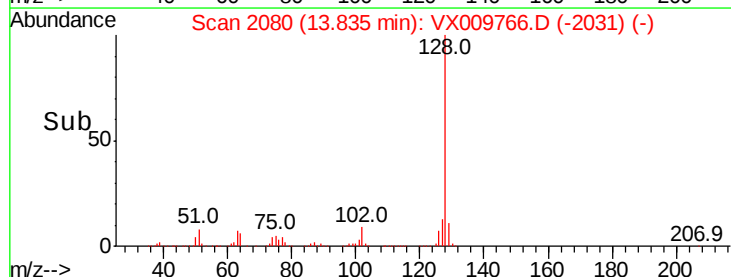
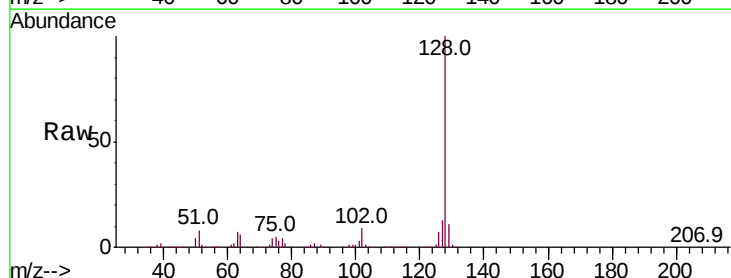
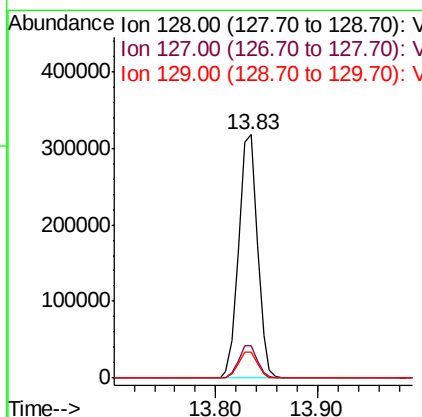
RT: 13.83 min Scan# 2080

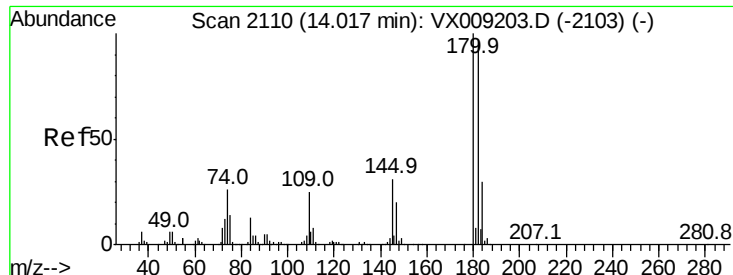
Delta R.T. 0.00 min

Lab File: VX009766.D

Acq: 21 May 2019 22:25

Tgt Ion:	128	Resp:	400938
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.4	15.6
129	10.9	8.6	13.0





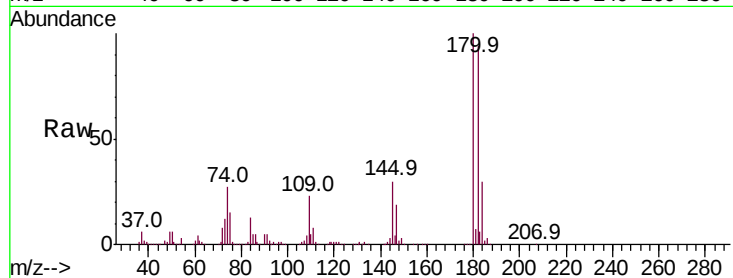
#96
 1,2,3-Trichlorobenzene
 Concen: 45.206 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX009766.D
 Acq: 21 May 2019 22:25

Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0229MS

Tot Ion:	180	Resp:	123408
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.8	143.4
145	31.3	15.4	46.4

Manual Integrations
 APPROVED

MMDadoda
 5/22/2019 10:39:57 AM



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

