

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052119\
 Data File : VX009767.D
 Acq On : 21 May 2019 22:48
 Operator : JC/SP
 Sample : K2910-11MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0229MSD

Manual Integrations
 APPROVED

MMDadoda
 5/22/2019 10:40:01 AM

Quant Time: May 22 08:30:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	162948	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	262971	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	240659	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	117983	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	93516	42.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.08%	
35) Dibromofluoromethane	5.50	113	69148	41.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.66%	
50) Toluene-d8	8.71	98	268481	40.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.46%	
62) 4-Bromofluorobenzene	11.13	95	102938	42.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	68489	45.611	ug/l	99
3) Chloromethane	1.32	50	105467	51.446	ug/l	100
4) Vinyl Chloride	1.41	62	106827	53.438	ug/l	96
5) Bromomethane	1.64	94	58933	49.116	ug/l	98
6) Chloroethane	1.71	64	69020	53.776	ug/l	99
7) Trichlorofluoromethane	1.92	101	122733	50.508	ug/l	95
8) Diethyl Ether	2.19	74	56543	49.124	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	72747	47.673	ug/l	99
10) Methyl Iodide	2.51	142	79084	45.101	ug/l	98
11) Tert butyl alcohol	3.05	59	129720	251.931	ug/l	100
12) 1,1-Dichloroethene	2.37	96	75941	49.670	ug/l	98
13) Acrolein	2.29	56	98820	211.918	ug/l	100
14) Allyl chloride	2.73	41	182137	48.883	ug/l	100
15) Acrylonitrile	3.14	53	318161	252.715	ug/l	99
16) Acetone	2.45	43	279077	233.648	ug/l	98
17) Carbon Disulfide	2.57	76	232199	54.093	ug/l	100
18) Methyl Acetate	2.78	43	116204	40.908	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	294330	49.574	ug/l	99
20) Methylene Chloride	2.85	84	92882	48.027	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	83504	50.361	ug/l	99
22) Diisopropyl ether	3.85	45	357863	49.942	ug/l	99
23) Vinyl Acetate	3.82	43	1385341	225.776	ug/l	99
24) 1,1-Dichloroethane	3.70	63	172160	48.704	ug/l	99
25) 2-Butanone	4.67	43	473818	255.274	ug/l	99
26) 2,2-Dichloropropane	4.58	77	99758	37.915	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	98624	49.831	ug/l	97
28) Bromochloromethane	5.01	49	83029	58.835	ug/l	98
29) Tetrahydrofuran	5.13	42	315647	264.272	ug/l	98
30) Chloroform	5.21	83	157839	49.370	ug/l	97
31) Cyclohexane	5.58	56	168869	51.348	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	131956	49.582	ug/l	98
36) 1,1-Dichloropropene	5.80	75	122703	50.209	ug/l	99
37) Ethyl Acetate	4.84	43	153031	44.943	ug/l	99
38) Carbon Tetrachloride	5.79	117	111732	50.321	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	149319	49.752	ug/l	99
40) Benzene	6.14	78	376325	49.757	ug/l	100
41) Methacrylonitrile	5.04	41	102119	50.382	ug/l	98
42) 1,2-Dichloroethane	6.19	62	137341	50.622	ug/l	99
43) Isopropyl Acetate	6.45	43	259621	47.668	ug/l	99
44) Trichloroethene	7.21	130	87234	47.710	ug/l	98
45) 1,2-Dichloropropane	7.51	63	106749	49.846	ug/l	98
46) Dibromomethane	7.66	93	61734	49.640	ug/l	99
47) Bromodichloromethane	7.90	83	124287	50.101	ug/l	98
48) Methyl methacrylate	7.77	41	143386	53.064	ug/l	98
49) 1,4-Dioxane	7.74	88	48345	882.234	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	951273	267.219	ug/l	99
52) Toluene	8.78	92	228966	49.803	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	140712	50.240	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	153337	49.463	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	92227	49.171	ug/l	97
56) Ethyl methacrylate	9.18	69	172057	51.389	ug/l	96
57) 1,3-Dichloropropane	9.37	76	163515	49.540	ug/l	100
59) 2-Hexanone	9.49	43	736682	263.486	ug/l	98
60) Dibromochloromethane	9.58	129	93019	50.777	ug/l	99
61) 1,2-Dibromoethane	9.67	107	95241	50.303	ug/l	100
64) Tetrachloroethene	9.34	164	73723	44.659	ug/l	98
65) Chlorobenzene	10.13	112	237860	49.407	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	86300	49.445	ug/l	100
67) Ethyl Benzene	10.25	91	444233	50.139	ug/l	100
68) m/p-Xylenes	10.36	106	322944	99.743	ug/l	97
69) o-Xylene	10.69	106	159445	49.912	ug/l	99
70) Styrene	10.71	104	279198	50.285	ug/l	99
71) Bromoform	10.85	173	72606	51.190	ug/l #	100
73) Isopropylbenzene	11.02	105	419434	48.887	ug/l	99
74) N-amyl acetate	10.90	43	222010	44.384	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	158061	49.420	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	138403m	50.571	ug/l	
77) Bromobenzene	11.26	156	105702	49.637	ug/l	99
78) n-propylbenzene	11.36	91	484136	49.410	ug/l	99
79) 2-Chlorotoluene	11.42	91	291698	48.254	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	356869	49.400	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	49251	46.045	ug/l	96
82) 4-Chlorotoluene	11.51	91	334722	49.013	ug/l	99
83) tert-Butylbenzene	11.77	119	347611	49.464	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	360178	49.672	ug/l	99
85) sec-Butylbenzene	11.94	105	406598	48.802	ug/l	100
86) p-Isopropyltoluene	12.06	119	373605	49.880	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	185433	48.847	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	184013	48.080	ug/l	99
89) n-Butylbenzene	12.38	91	335368	49.539	ug/l	100
90) Hexachloroethane	12.59	117	64118	50.247	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	186168	48.148	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	36047	50.241	ug/l	98
93) 1,2,4-Trichlorobenzene	13.65	180	129184	48.857	ug/l	99

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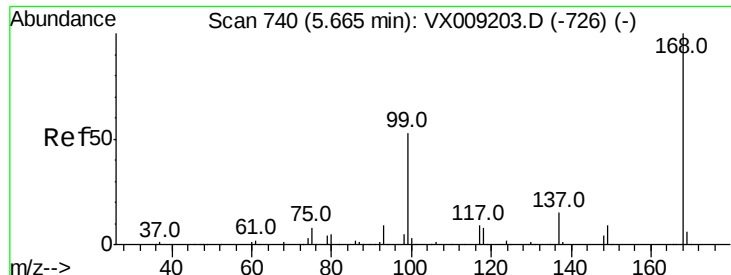
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	65299	48.361	ug/l	99
95) Naphthalene	13.83	128	426036	49.525	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	131376	49.017	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009767.D

Acq: 21 May 2019 22:48

Instrument :

MSVOA_X

ClientSampleId :

S73-0229MSD

Tot Ion:168 Resp: 162948

Ion Ratio Lower Upper

168 100

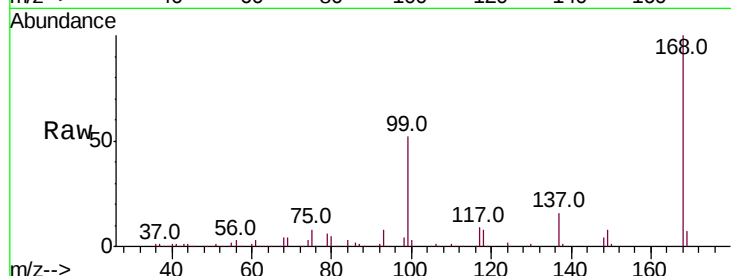
99 51.6 42.3 63.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

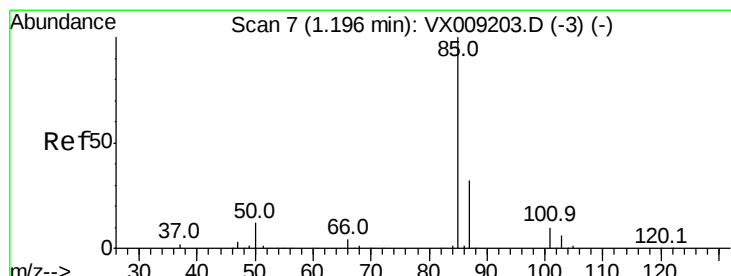
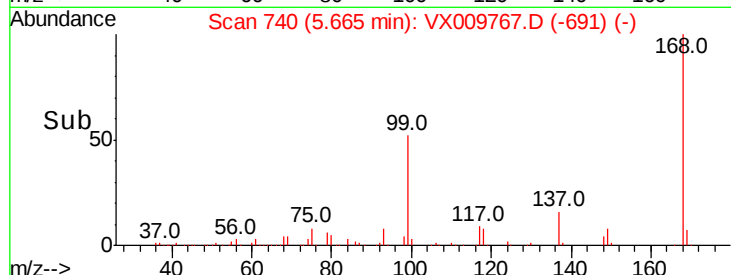
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 45.611 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009767.D

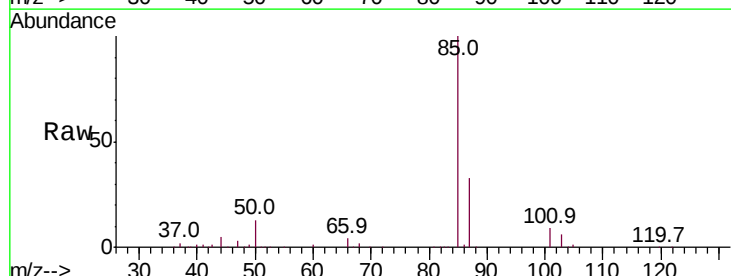
Acq: 21 May 2019 22:48

Tgt Ion: 85 Resp: 68489

Ion Ratio Lower Upper

85 100

87 32.9 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

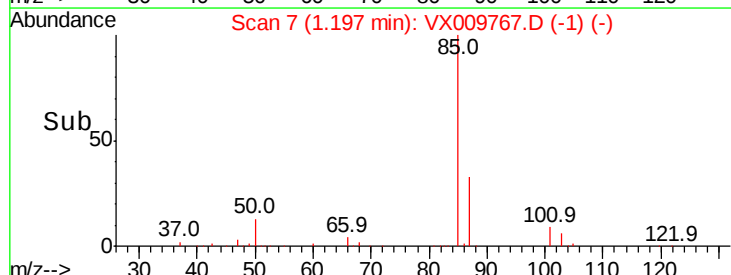
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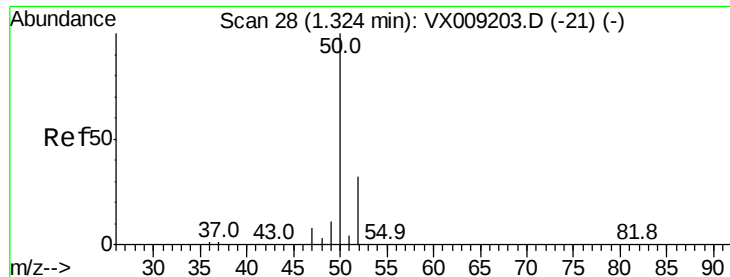
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1.15 1.20 1.25 1.30

Time-->





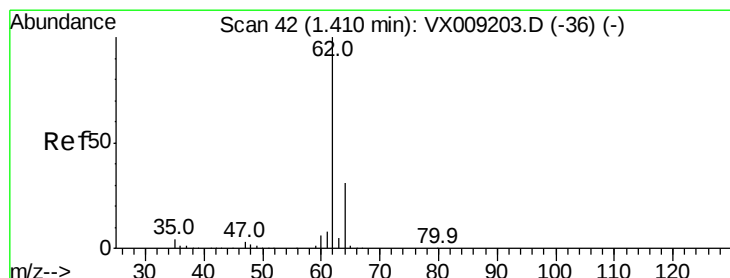
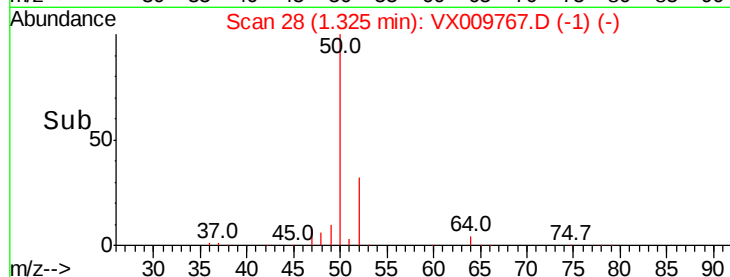
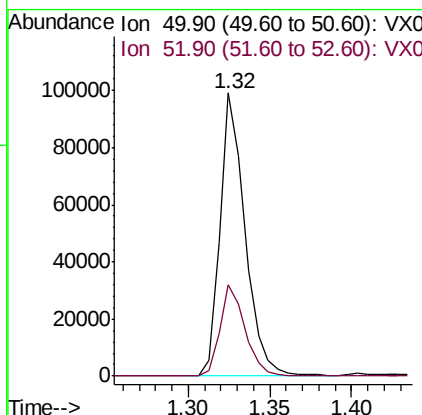
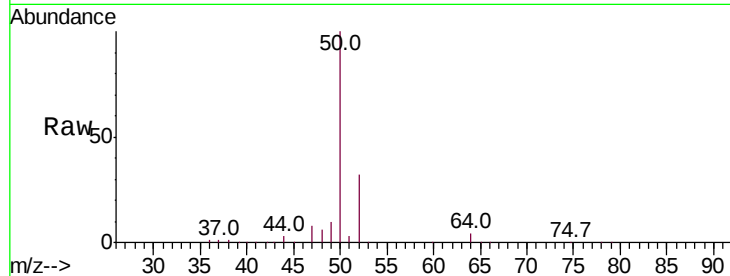
#3
Chloromethane
Concen: 51.446 ug/l
RT: 1.32 min Scan# 28
Delta R.T. 0.00 min
Lab File: VX009767.D
Acq: 21 May 2019 22:48

Instrument :
MSVOA_X
ClientSampleId :
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Tot Ion: 50 Resp: 105467
Ion Ratio Lower Upper
50 100
52 32.5 25.9 38.9

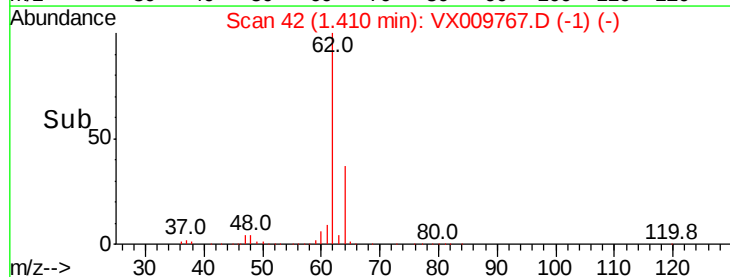
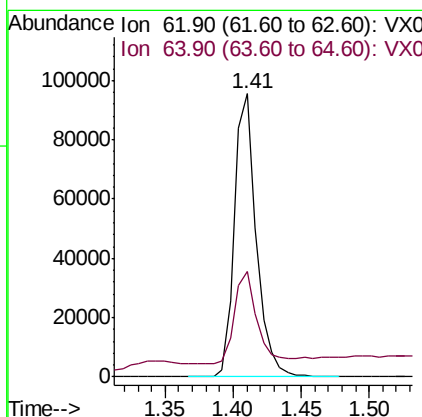
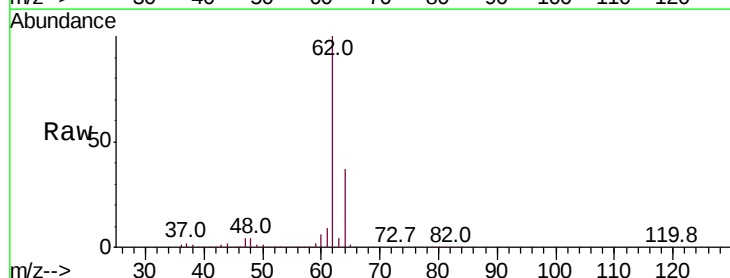
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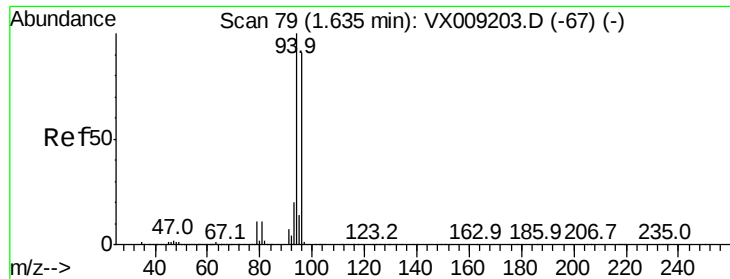
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#4
Vinyl Chloride
Concen: 53.438 ug/l
RT: 1.41 min Scan# 42
Delta R.T. 0.00 min
Lab File: VX009767.D
Acq: 21 May 2019 22:48

Tgt Ion: 62 Resp: 106827
Ion Ratio Lower Upper
62 100
64 32.8 24.6 36.8





#5

Bromomethane

Concen: 49.116 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009767.D

Acq: 21 May 2019 22:48

Instrument :

MSVOA_X

ClientSampleId :

S73-0229MSD

Tot Ion: 94 Resp: 58933

Ion Ratio Lower Upper

94 100

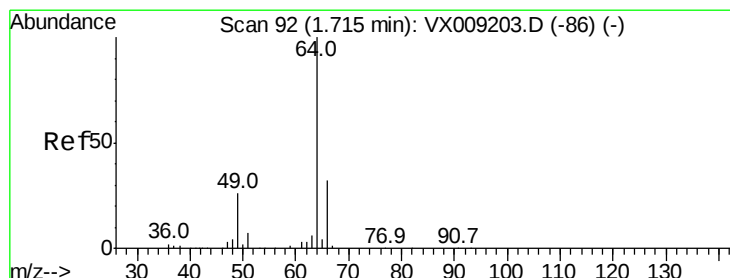
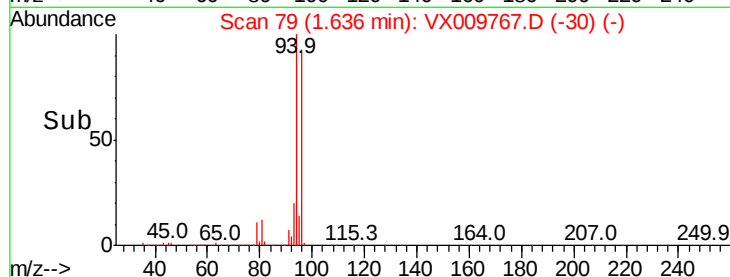
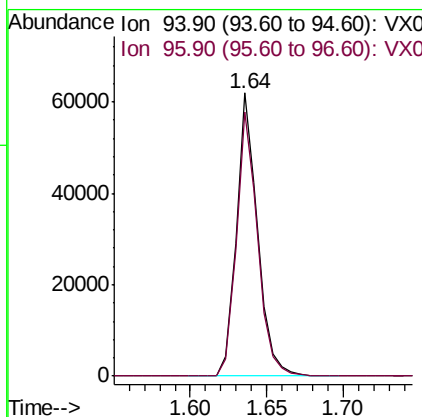
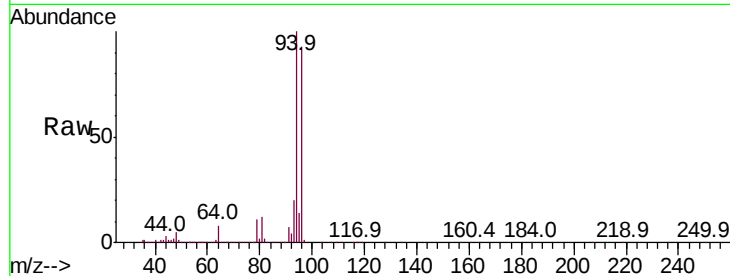
96 93.5 73.0 109.6

Manual Integrations

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#6

Chloroethane

Concen: 53.776 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX009767.D

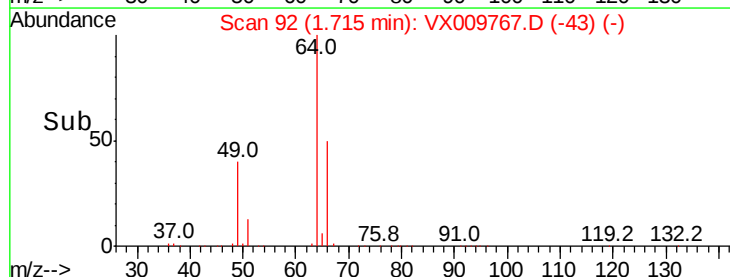
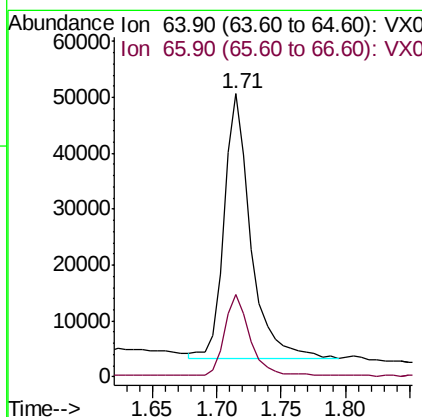
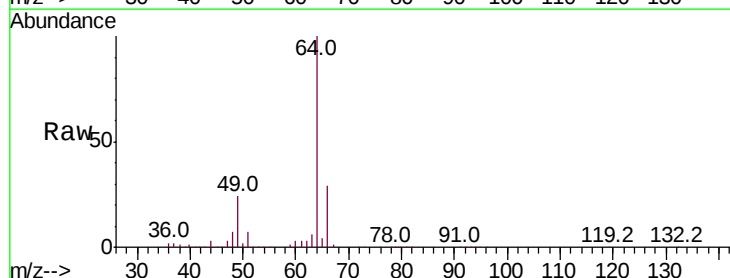
Acq: 21 May 2019 22:48

Tgt Ion: 64 Resp: 69020

Ion Ratio Lower Upper

64 100

66 30.9 25.3 37.9





#7

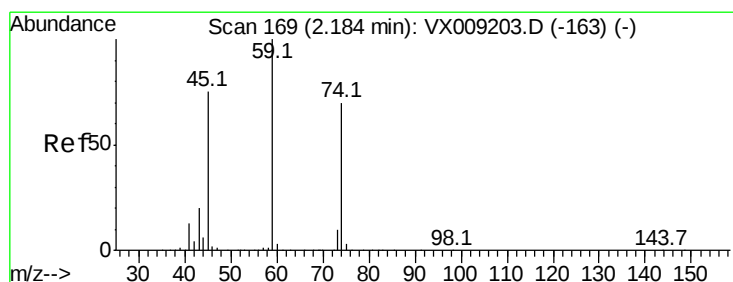
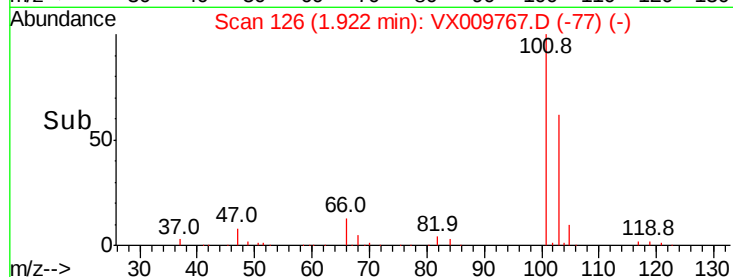
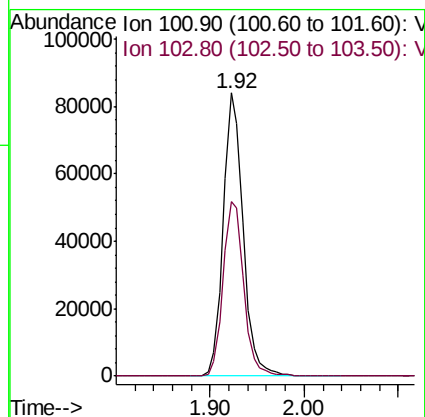
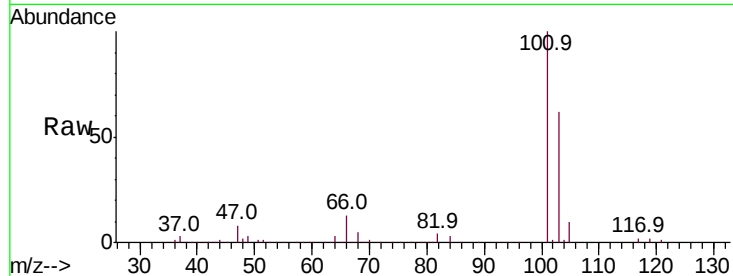
Trichlorofluoromethane
Concen: 50.508 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX009767.D
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.8	52.4	78.6

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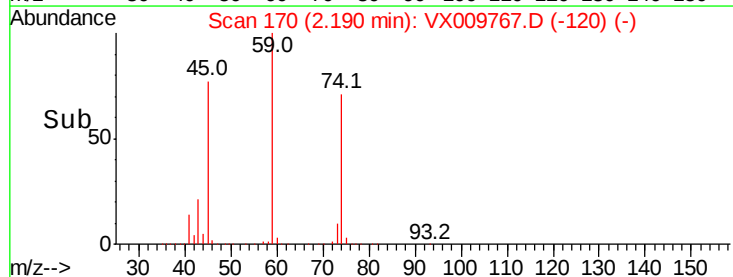
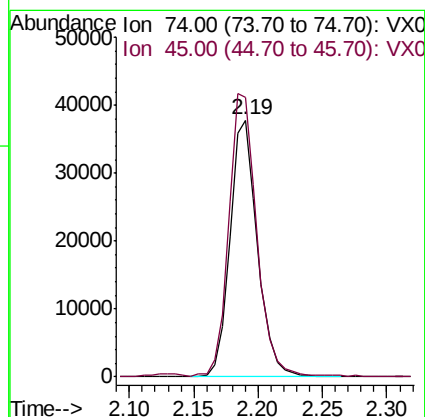
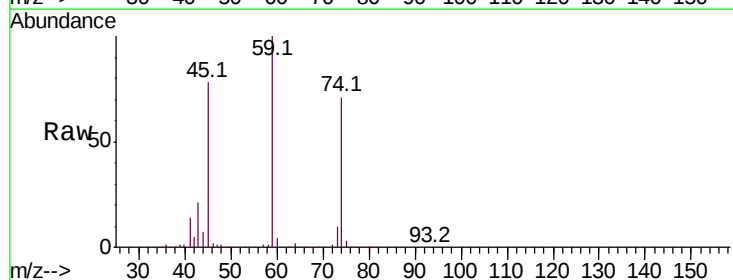
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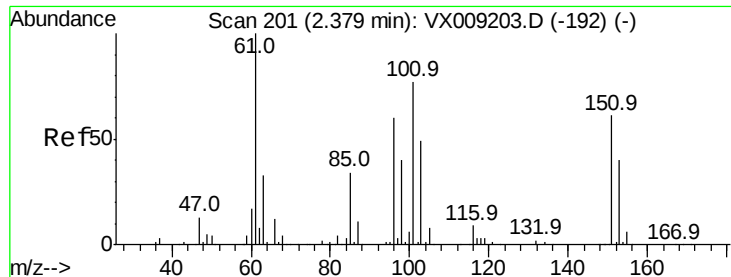


#8

Diethyl Ether
Concen: 49.124 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009767.D
Acq: 21 May 2019 22:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.2	53.3	159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.673 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009767.D

Acq: 21 May 2019 22:48

Instrument :

MSVOA_X

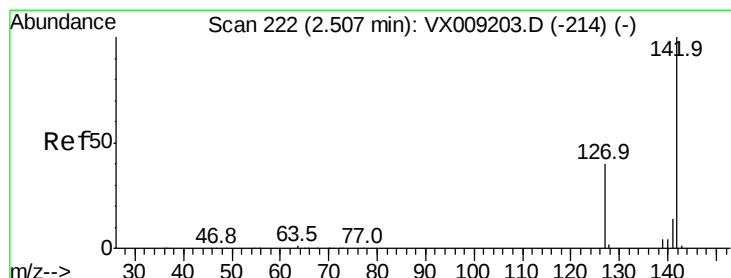
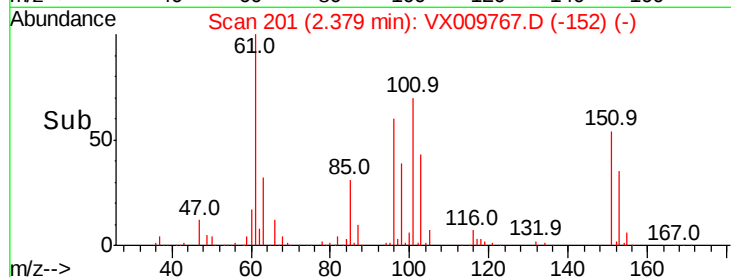
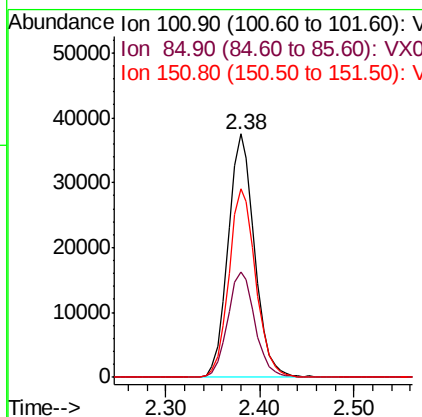
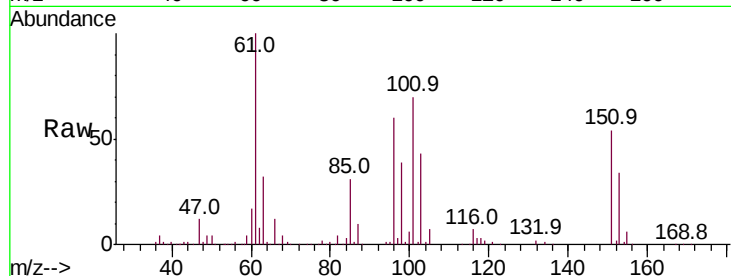
ClientSampleId :

S73-0229MSD

Tot Ion:	101	Resp:	72747
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.7	53.5
151	78.6	62.2	93.2

Manual Integrations
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#10

Methyl Iodide

Concen: 45.101 ug/l

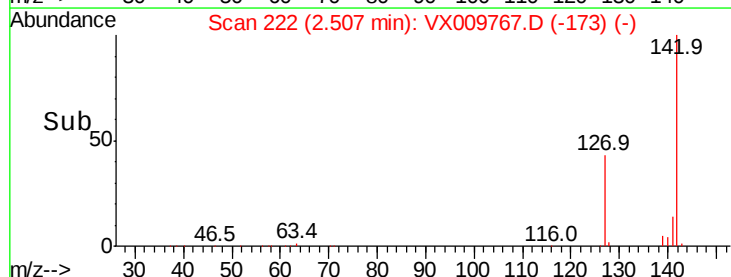
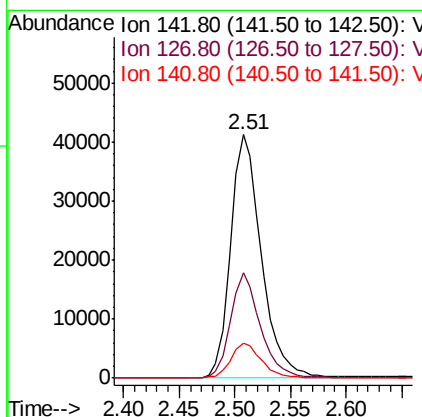
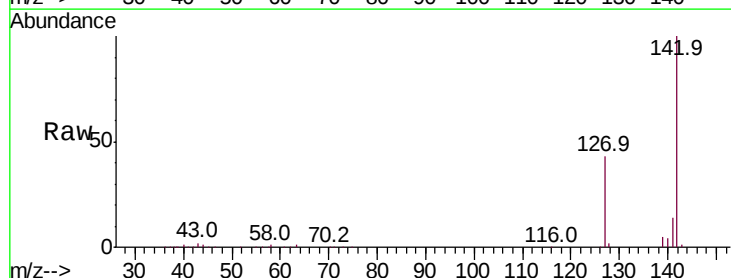
RT: 2.51 min Scan# 222

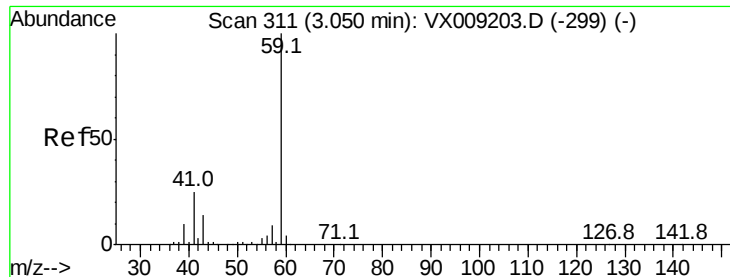
Delta R.T. 0.00 min

Lab File: VX009767.D

Acq: 21 May 2019 22:48

Tgt Ion:	142	Resp:	79084
Ion Ratio	Lower	Upper	
142	100		
127	42.1	32.7	49.1
141	14.6	11.5	17.3





#11

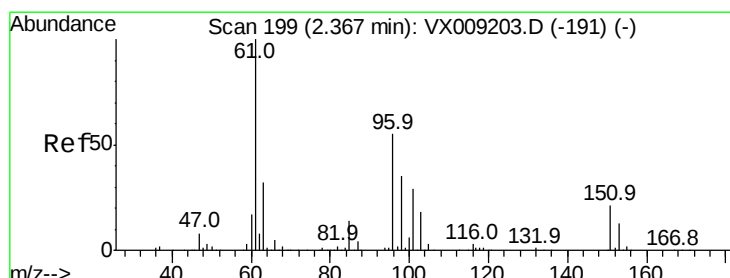
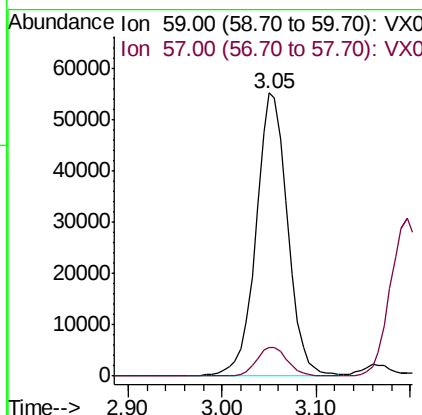
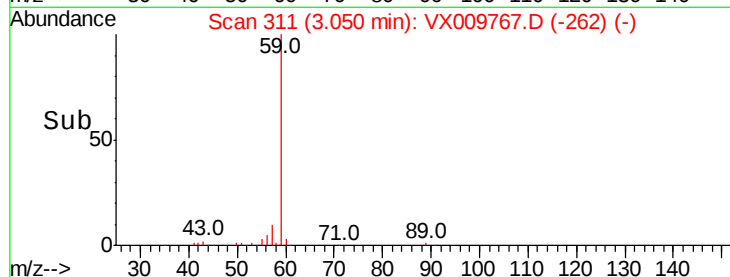
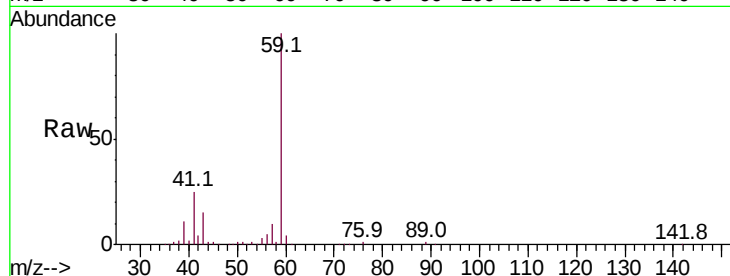
Tert butyl alcohol
Concen: 251.931 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX009767.D
Acq: 21 May 2019 22:48

Instrument :
MSVOA_X
ClientSampleId :
S73-0229MSD

Tot Ion: 59 Resp: 129720
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.2

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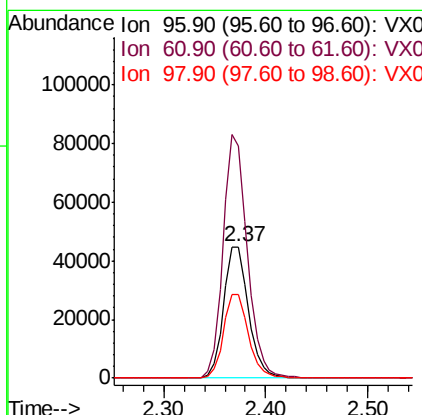
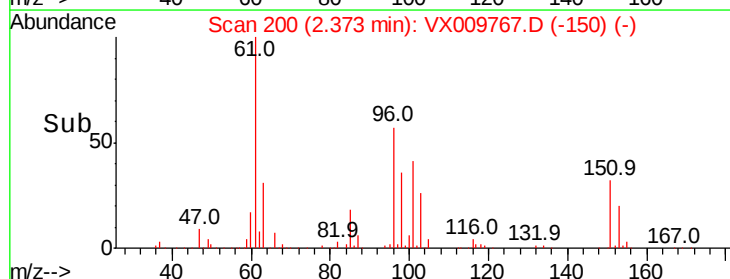
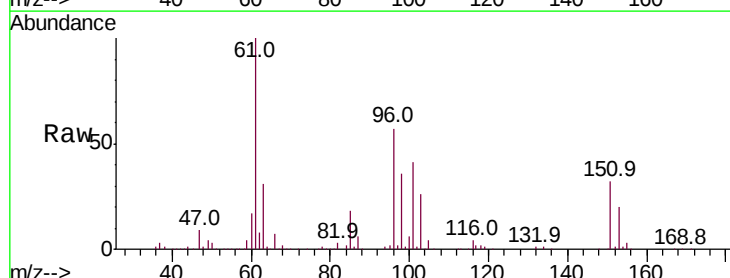
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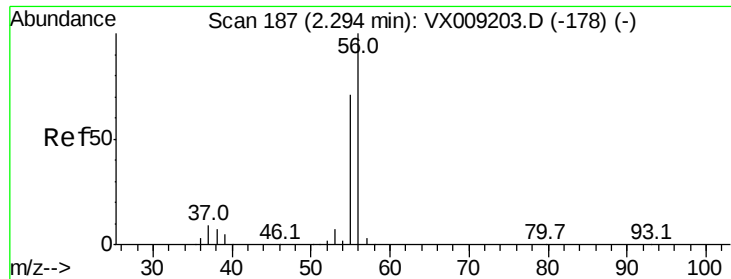


#12

1,1-Dichloroethene
Concen: 49.670 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009767.D
Acq: 21 May 2019 22:48

Tgt Ion: 96 Resp: 75941
Ion Ratio Lower Upper
96 100
61 176.9 144.3 216.5
98 63.8 50.3 75.5





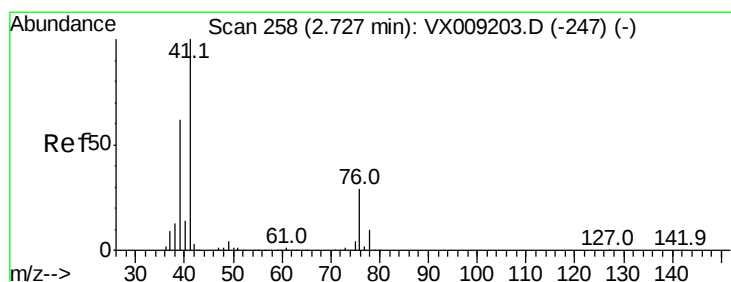
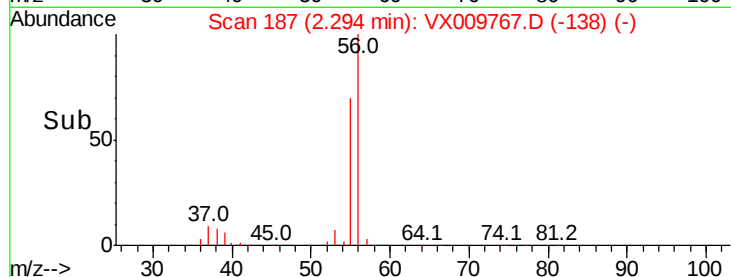
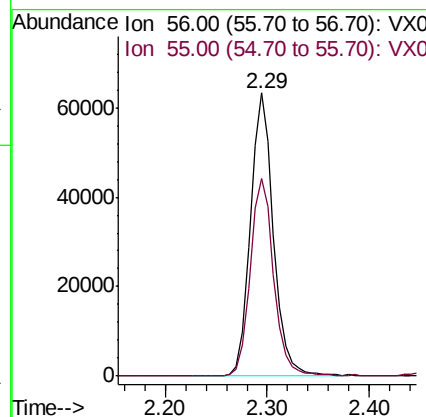
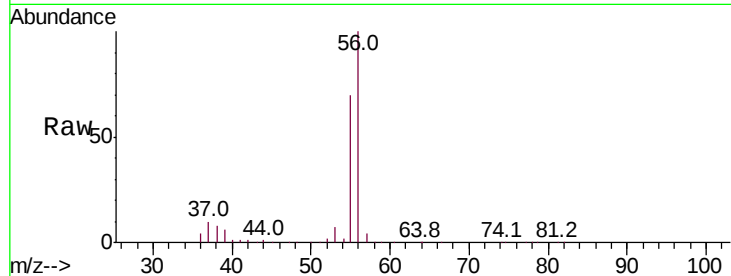
#13
Acrolein
Concen: 211.918 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX009767.D
Acq: 21 May 2019 22:48

Instrument :
MSVOA_X
ClientSampleId :
S73-0229MSD

Tot Ion: 56 Resp: 98820
Ion Ratio Lower Upper
56 100
55 70.5 56.6 85.0

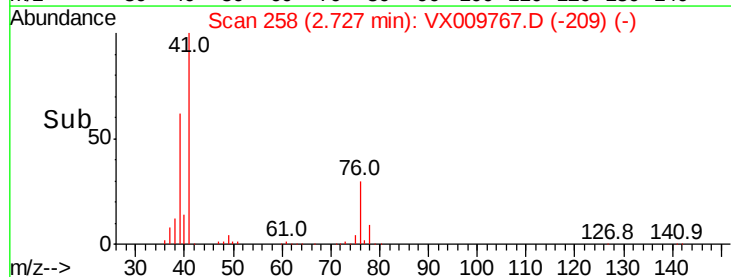
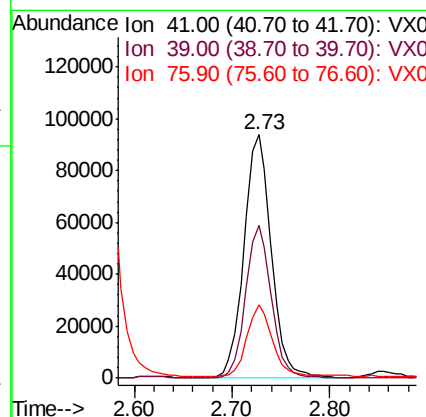
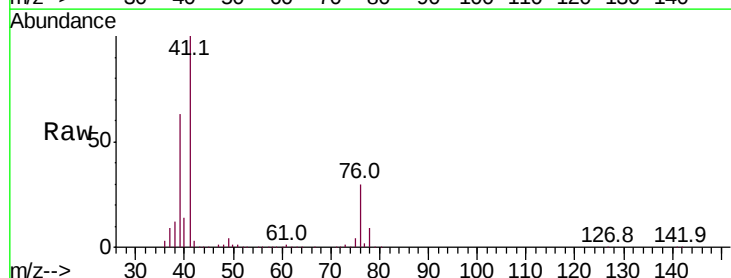
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#14
Allyl chloride
Concen: 48.883 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX009767.D
Acq: 21 May 2019 22:48

Tgt Ion: 41 Resp: 182137
Ion Ratio Lower Upper
41 100
39 58.6 46.7 70.1
76 27.1 21.8 32.8





#15

Acrylonitrile

Concen: 252.715 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009767.D

Acq: 21 May 2019 22:48

Instrument :

MSVOA_X

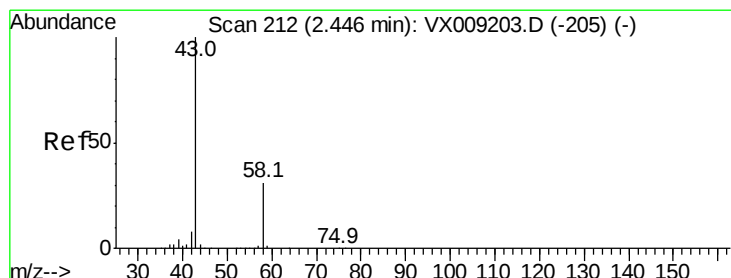
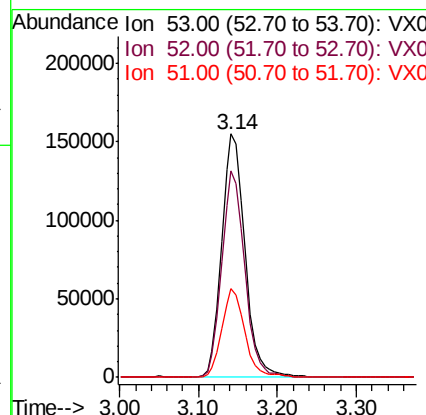
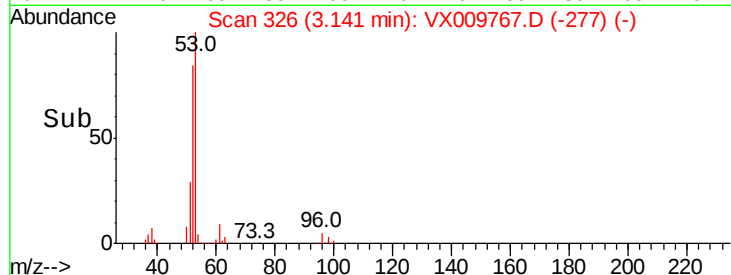
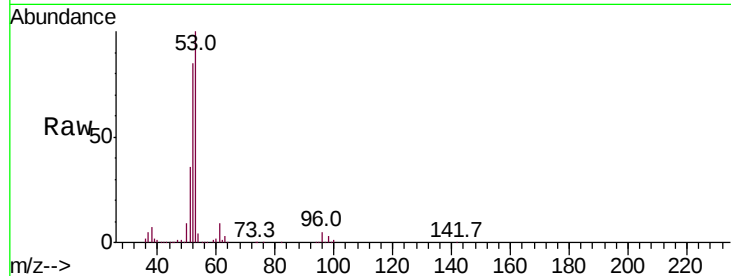
ClientSampleId :

S73-0229MSD

Tot Ion:	53	Resp:	318161
Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.9	100.3
51	36.1	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 233.648 ug/l

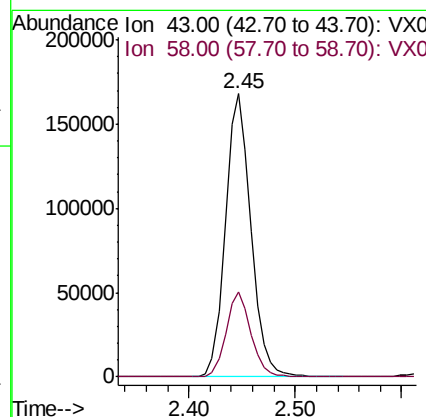
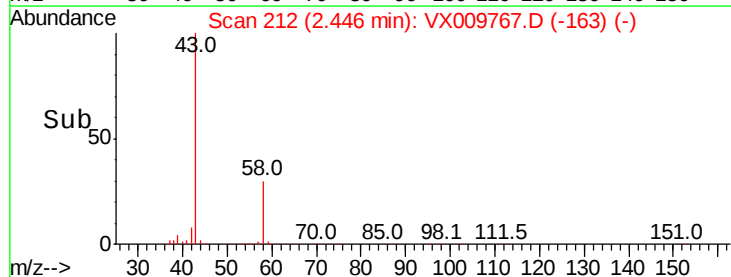
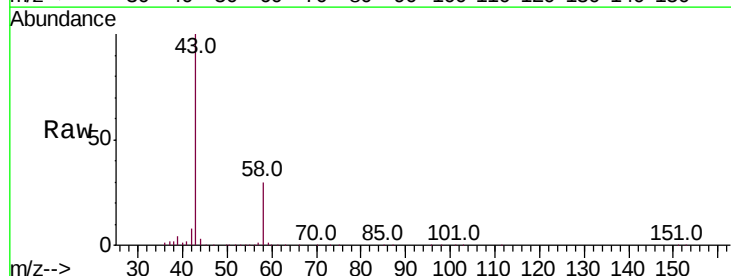
RT: 2.45 min Scan# 212

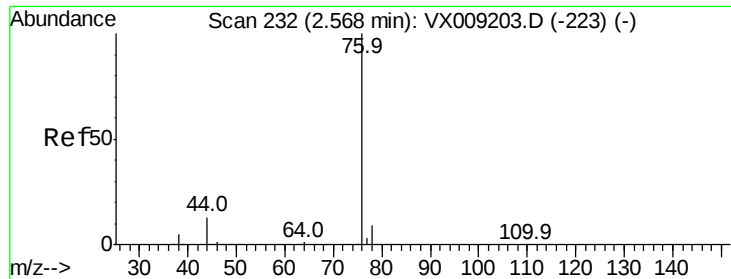
Delta R.T. 0.00 min

Lab File: VX009767.D

Acq: 21 May 2019 22:48

Tgt Ion:	43	Resp:	279077
Ion	Ratio	Lower	Upper
43	100		
58	30.0	24.9	37.3





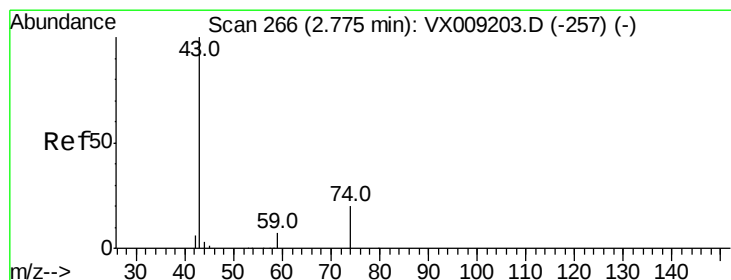
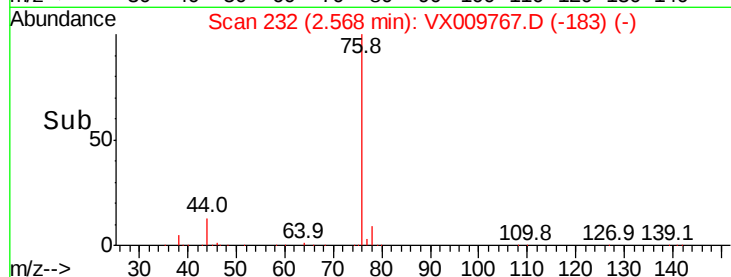
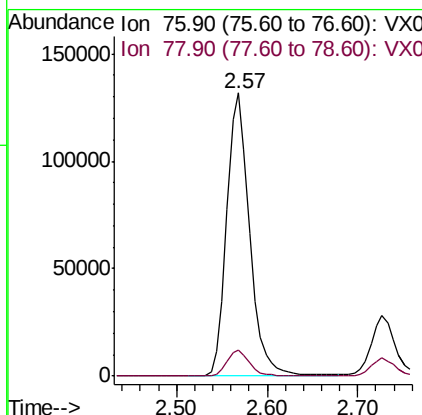
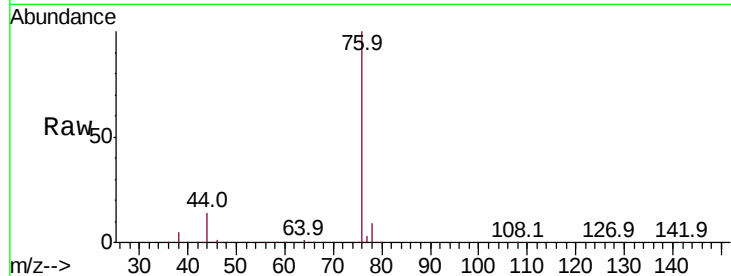
#17
Carbon Disulfide
Concen: 54.093 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009767.D
Acq: 21 May 2019 22:48

Instrument :
MSVOA_X
ClientSampled :
S73-0229MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.0

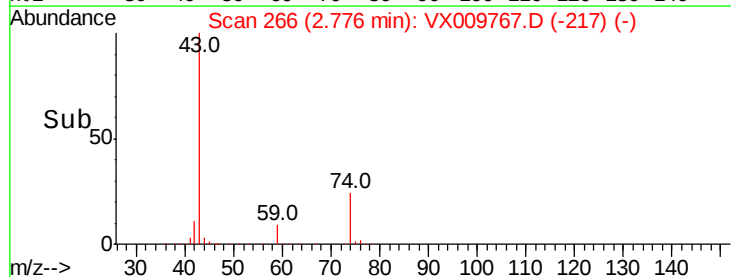
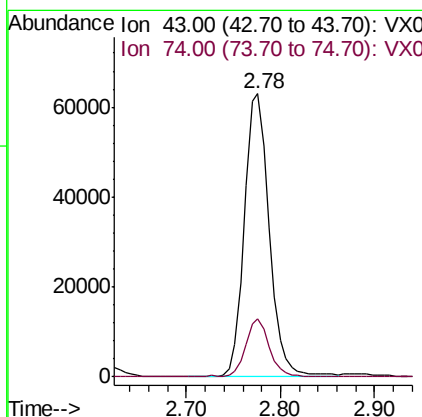
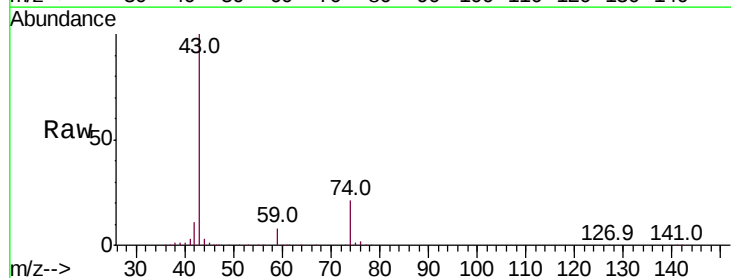
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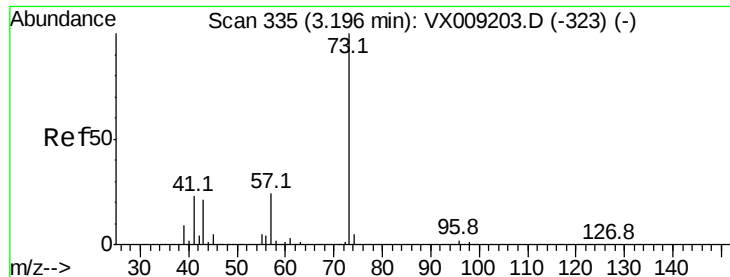
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#18
Methyl Acetate
Concen: 40.908 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009767.D
Acq: 21 May 2019 22:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.1	16.2	24.4





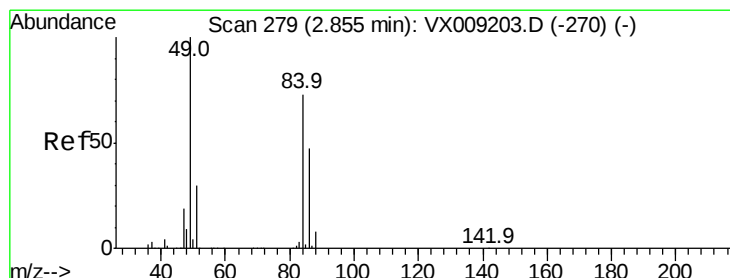
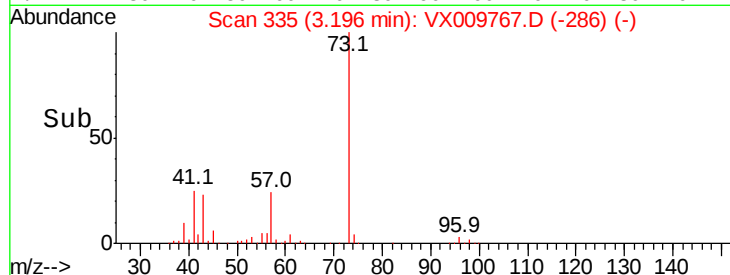
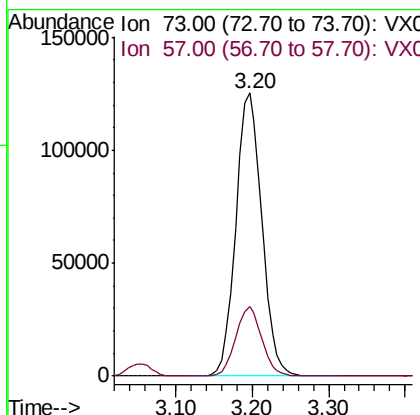
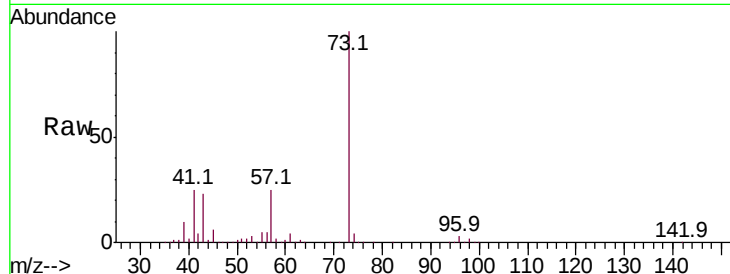
#19
Methyl tert-butyl Ether
Concen: 49.574 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009767.D
Acq: 21 May 2019 22:48

Instrument :
MSVOA_X
ClientSampleId :
S73-0229MSD

Tot Ion	73	57	Ratio	100	24.5	Resp	294330	Lower	19.3	Upper	28.9
Ion	73	57	Ratio	100	24.5	Resp	294330	Lower	19.3	Upper	28.9

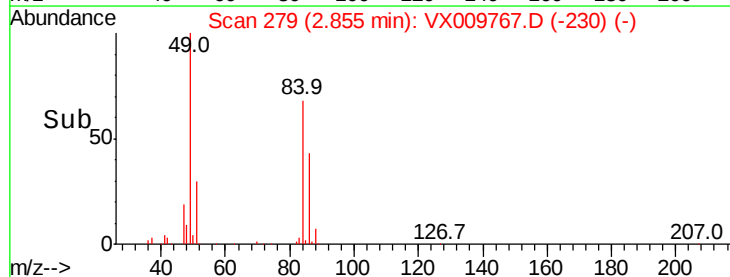
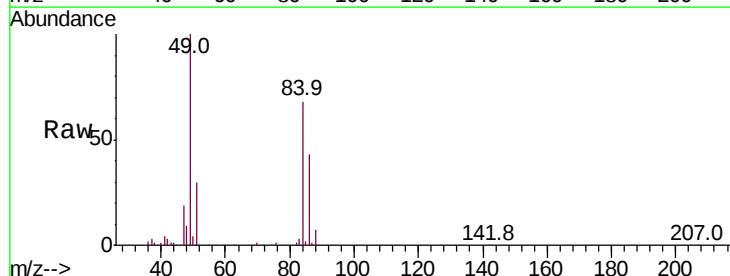
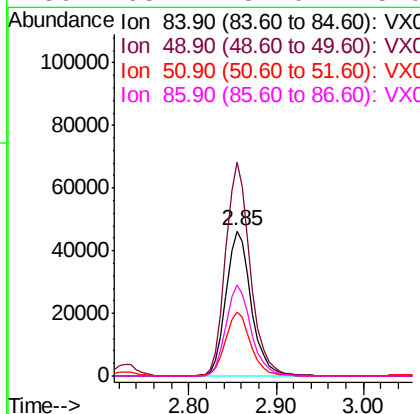
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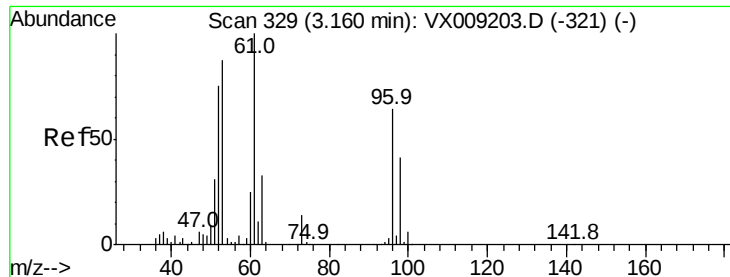
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#20
Methylene Chloride
Concen: 48.027 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009767.D
Acq: 21 May 2019 22:48

Tgt Ion	84	49	51	86	Ratio	100	147.5	44.1	63.1	Resp	92882	Lower	109.9	32.7	52.0	Upper	164.9	49.1	78.0
Ion	84	49	51	86	Ratio	100	147.5	44.1	63.1	Resp	92882	Lower	109.9	32.7	52.0	Upper	164.9	49.1	78.0





#21

trans-1,2-Dichloroethene

Concen: 50.361 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009767.D

Acq: 21 May 2019 22:48

Instrument :

MSVOA_X

ClientSampleId :

S73-0229MSD

Tot Ion: 96 Resp: 83504

Ion Ratio Lower Upper

96 100

61 154.1 124.5 186.7

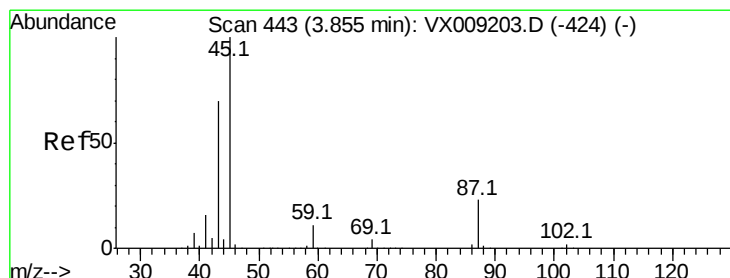
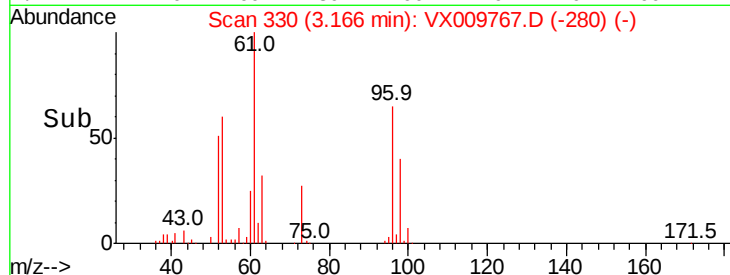
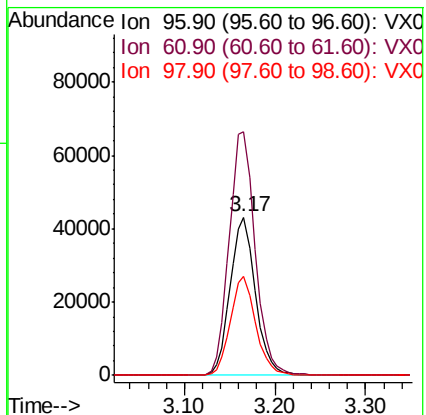
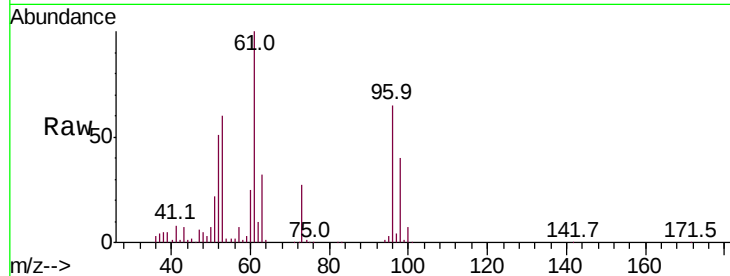
98 62.4 50.4 75.6

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#22

Diisopropyl ether

Concen: 49.942 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009767.D

Acq: 21 May 2019 22:48

Tgt Ion: 45 Resp: 357863

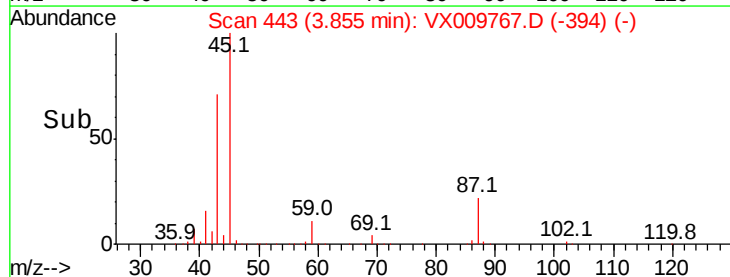
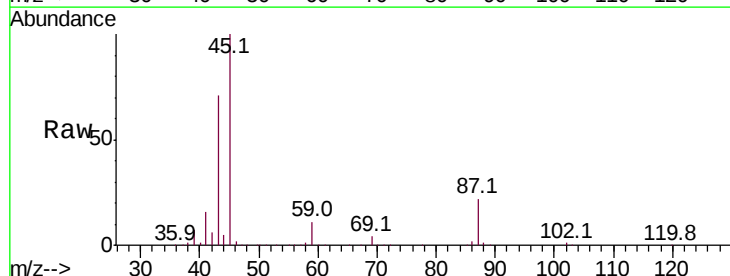
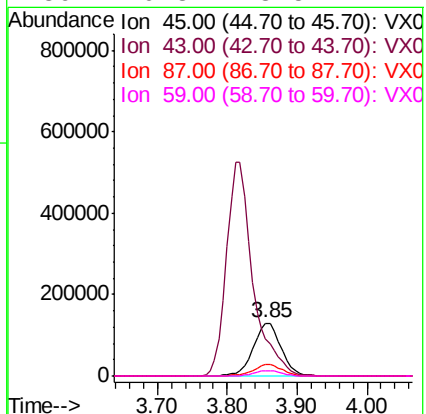
Ion Ratio Lower Upper

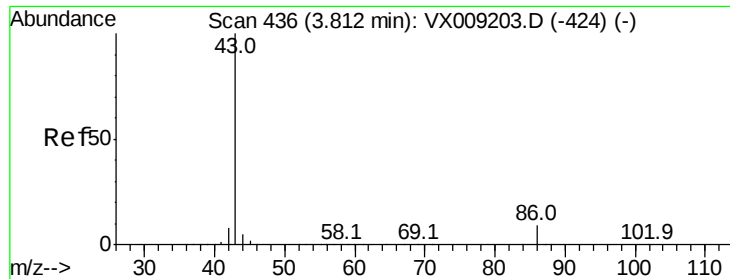
45 100

43 71.2 56.1 84.1

87 21.9 18.1 27.1

59 10.8 8.5 12.7





#23

Vinyl Acetate

Concen: 225.776 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX009767.D

Acq: 21 May 2019 22:48

Instrument :

MSVOA_X

ClientSampleId :

S73-0229MSD

Tot Ion: 43 Resp: 1385341

Ion Ratio Lower Upper

43 100

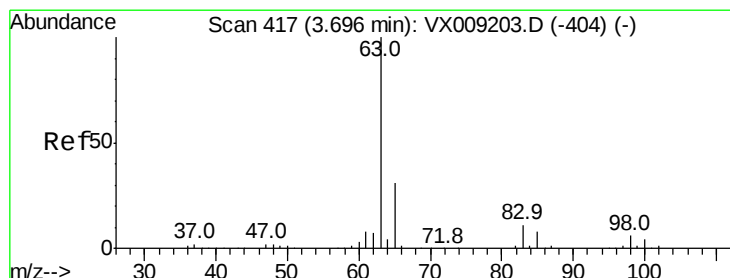
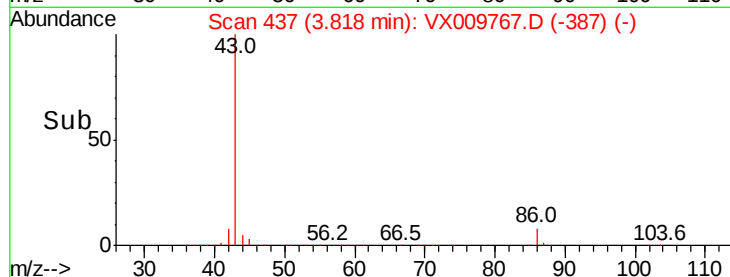
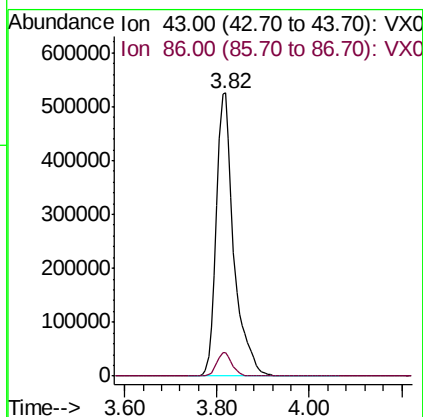
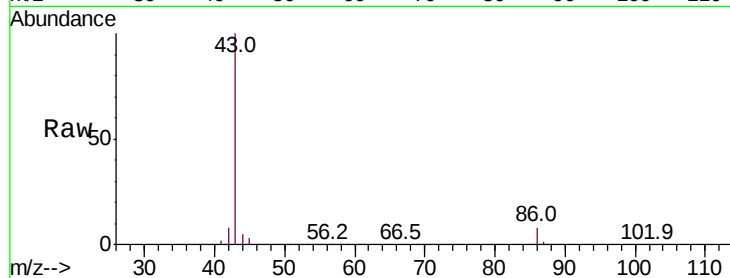
86 8.4 6.9 10.3

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#24

1,1-Dichloroethane

Concen: 48.704 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009767.D

Acq: 21 May 2019 22:48

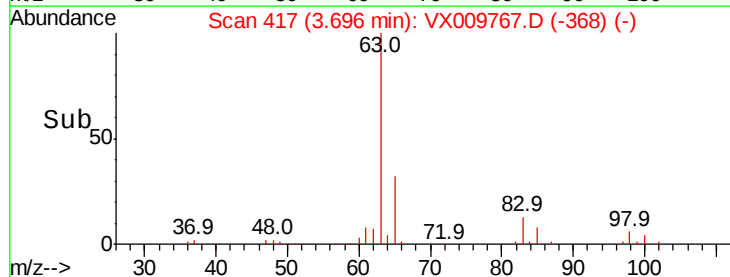
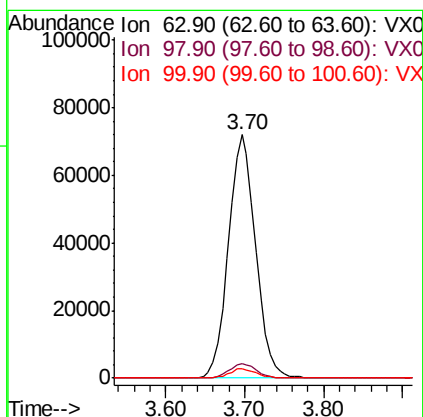
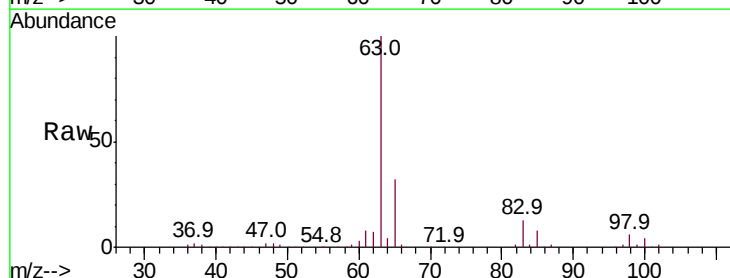
Tgt Ion: 63 Resp: 172160

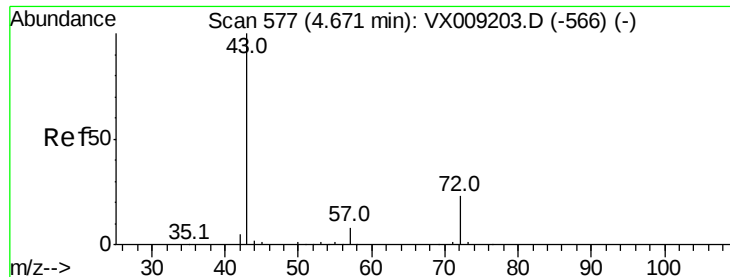
Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

100 3.8 2.0 6.0





#25

2-Butanone

Concen: 255.274 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009767.D

Acq: 21 May 2019 22:48

Instrument :

MSVOA_X

ClientSampleId :

S73-0229MSD

Tot Ion: 43 Resp: 473818

Ion Ratio Lower Upper

43 100

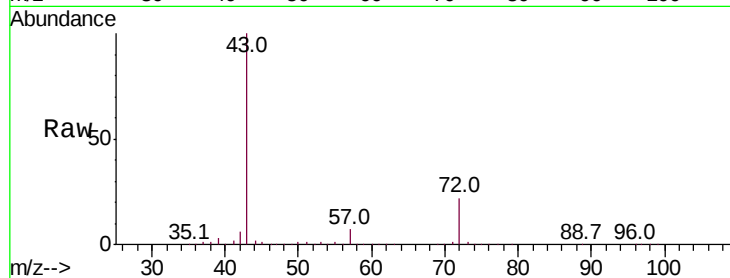
72 22.1 18.2 27.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.67

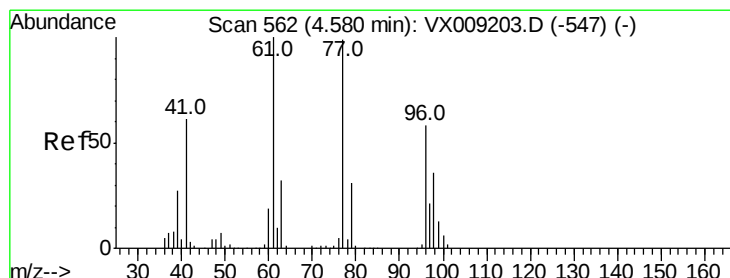
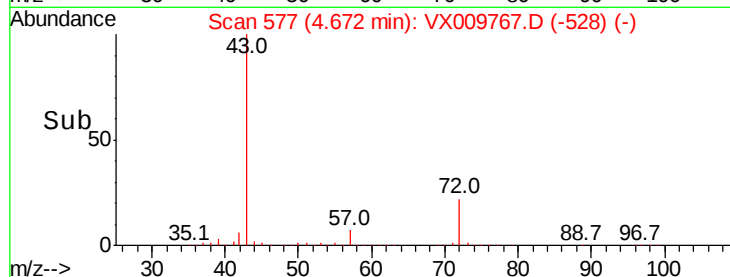
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 37.915 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009767.D

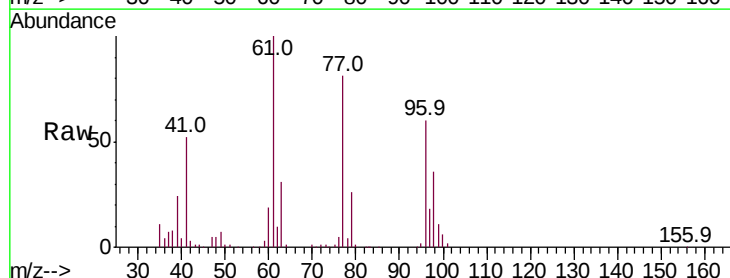
Acq: 21 May 2019 22:48

Tgt Ion: 77 Resp: 99758

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

4.58

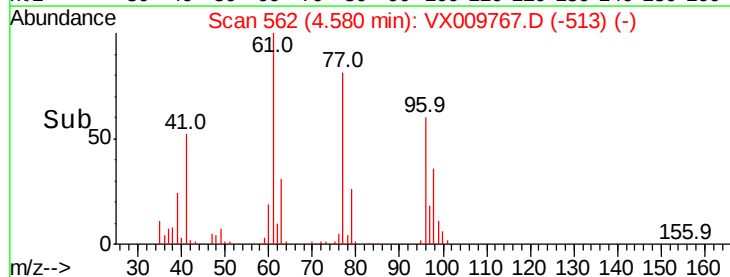
30000

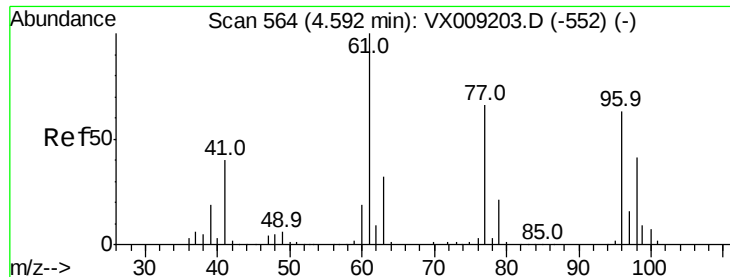
20000

10000

0

Time-->





#27

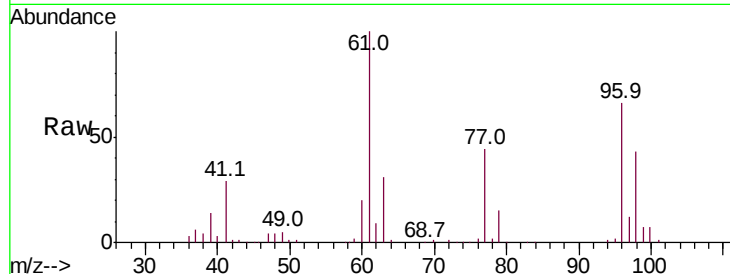
cis-1,2-Dichloroethene
Concen: 49.831 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009767.D
Acq: 21 May 2019 22:48

Instrument :
MSVOA_X
ClientSampleId :
S73-0229MSD

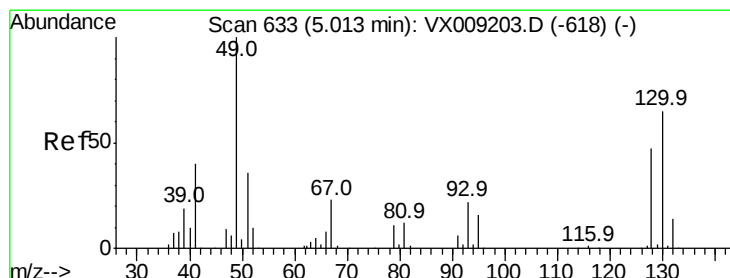
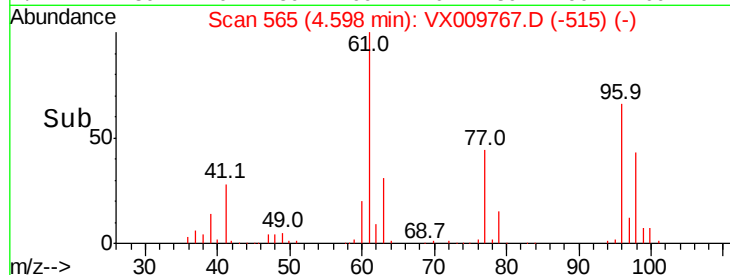
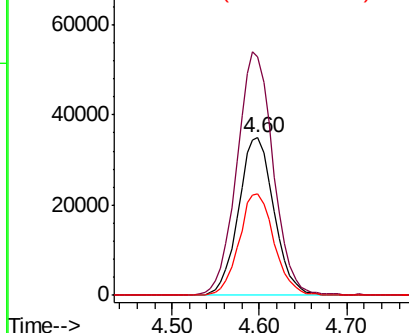
Tot Ion	Ratio	Lower	Upper
96	100		
61	157.8	0.0	324.0
98	63.7	0.0	130.4

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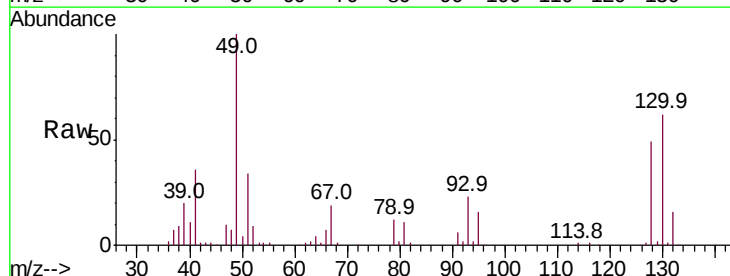
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



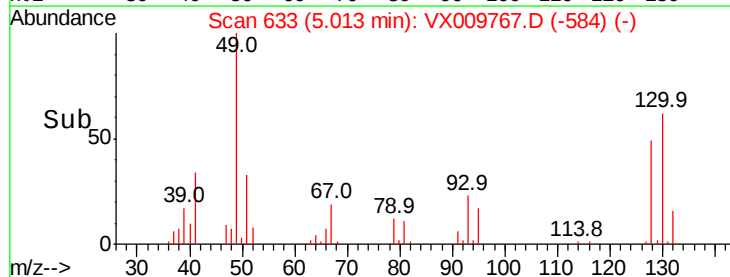
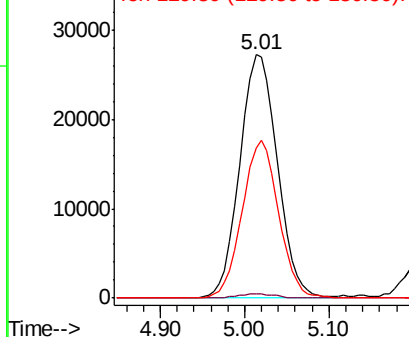
#28

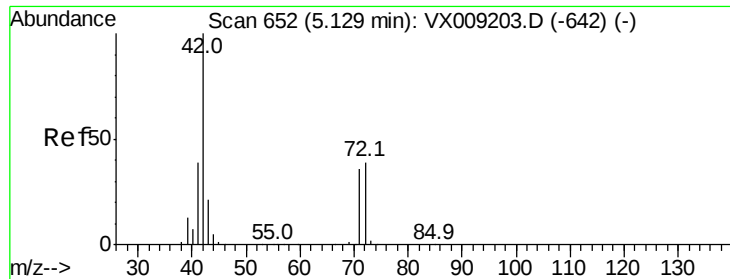
Bromochloromethane
Concen: 58.835 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009767.D
Acq: 21 May 2019 22:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	62.4	51.2	76.8



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





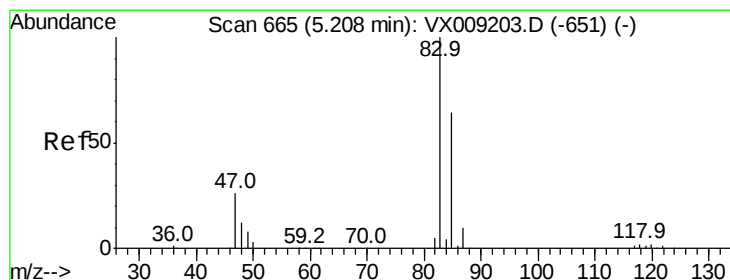
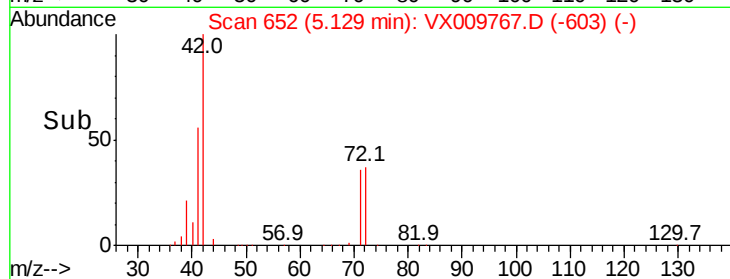
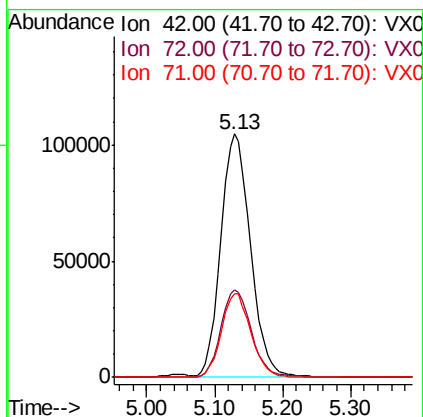
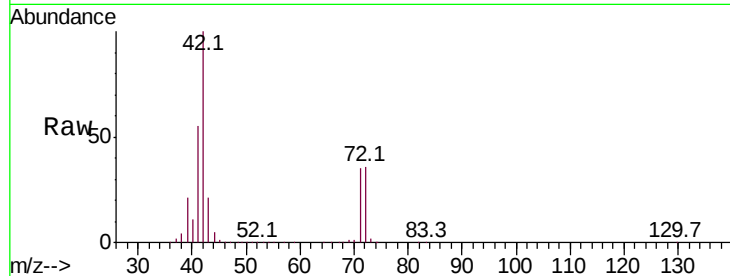
#29
Tetrahydrofuran
Concen: 264.272 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX009767.D
Acq: 21 May 2019 22:48

Instrument :
MSVOA_X
ClientSampled :
S73-0229MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.9	30.4	45.6
71	34.5	28.6	43.0

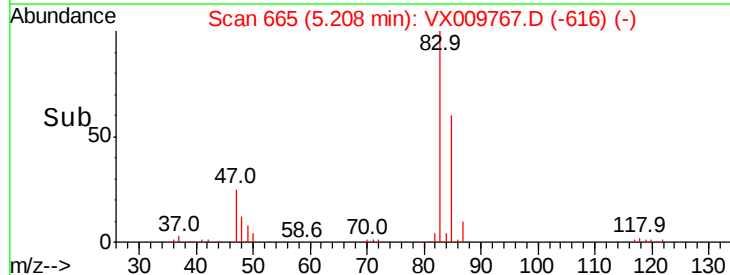
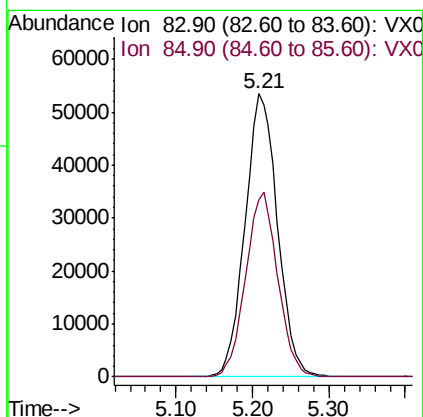
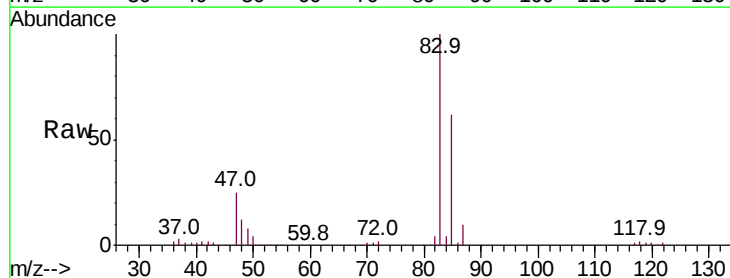
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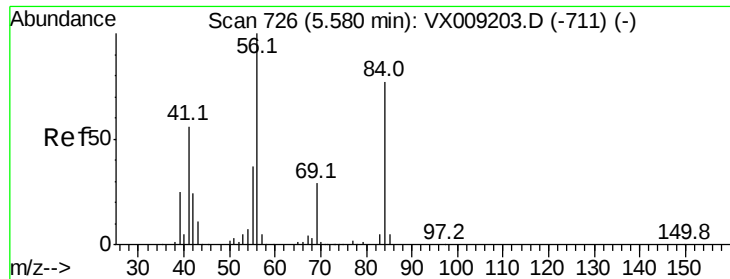
MMDadoda
5/22/2019 10:40:01 AM



#30
Chloroform
Concen: 49.370 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX009767.D
Acq: 21 May 2019 22:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.5	77.3





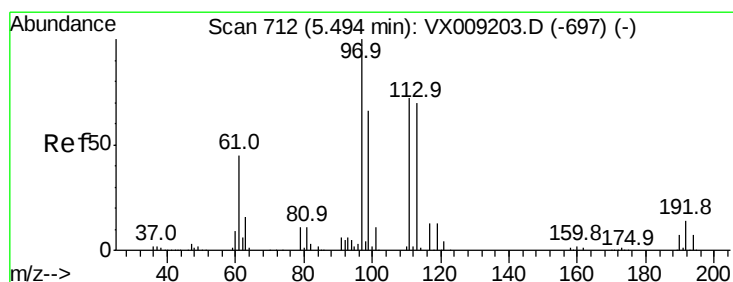
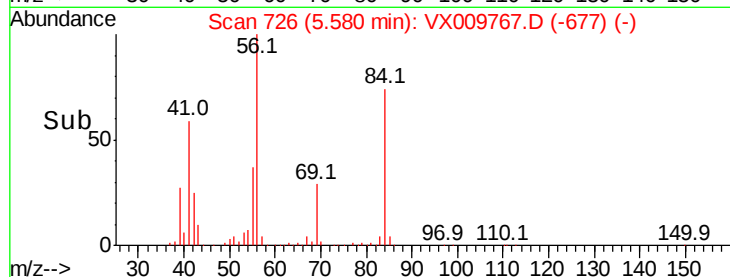
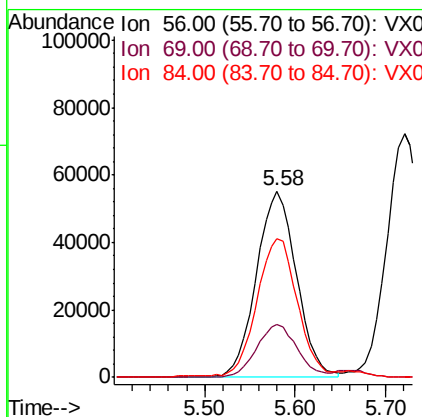
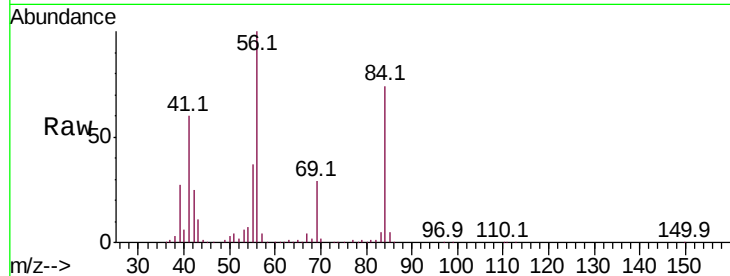
#31
Cyclohexane
Concen: 51.348 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX009767.D
Acq: 21 May 2019 22:48

Instrument :
MSVOA_X
ClientSampleId :
S73-0229MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.7	23.4	35.0
84	73.1	61.9	92.9

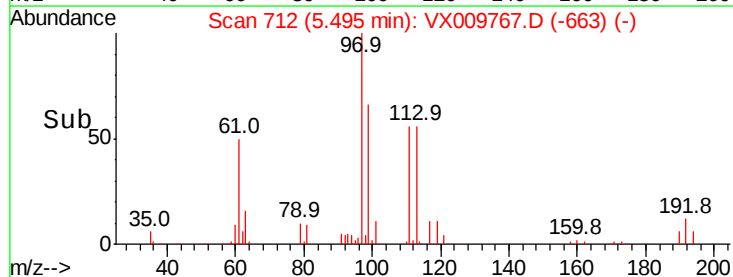
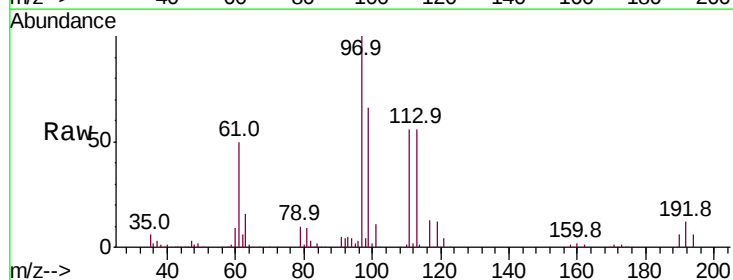
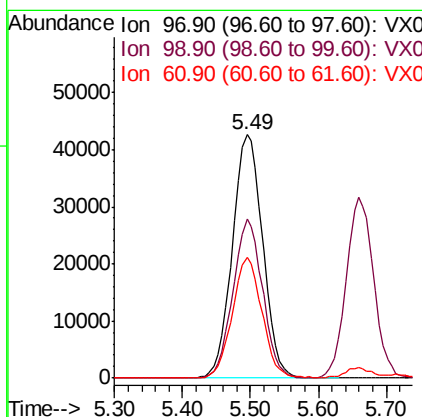
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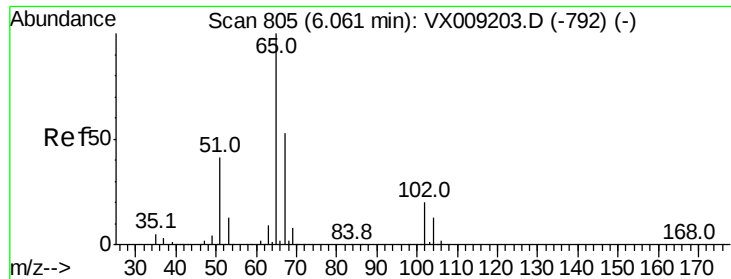
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#32
1,1,1-Trichloroethane
Concen: 49.582 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX009767.D
Acq: 21 May 2019 22:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.8	77.8
61	48.6	37.8	56.8





#33

1,2-Dichloroethane-d4

Concen: 42.040 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009767.D

Acq: 21 May 2019 22:48

Instrument :

MSVOA_X

ClientSampleId :

S73-0229MSD

Tot Ion: 65 Resp: 93516

Ion Ratio Lower Upper

65 100

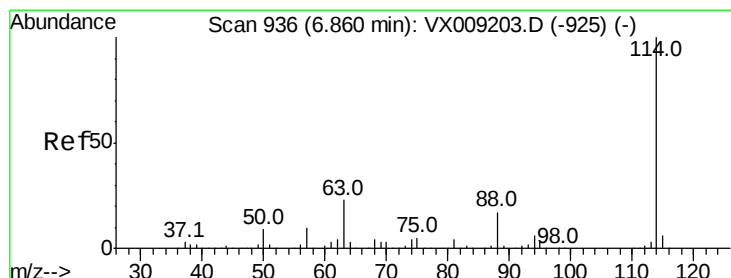
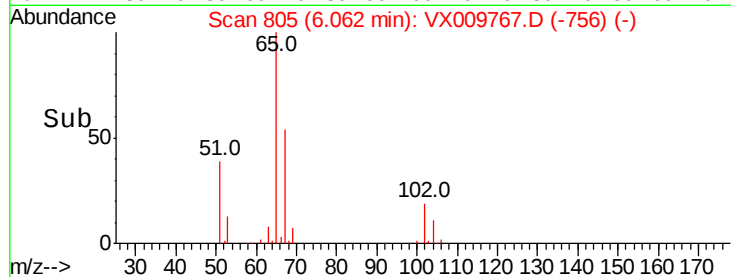
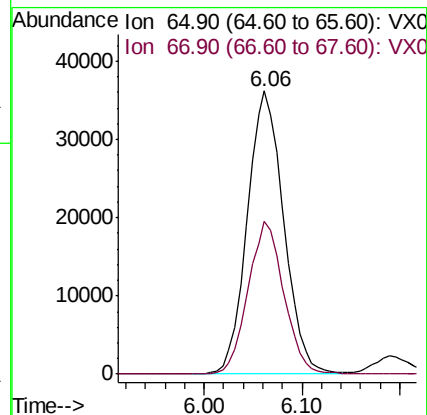
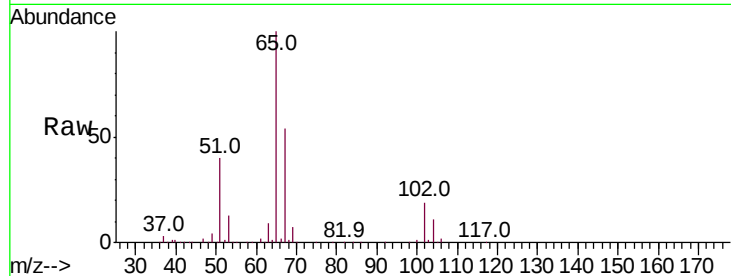
67 52.8 0.0 106.6

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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: VX009767.D

Acq: 21 May 2019 22:48

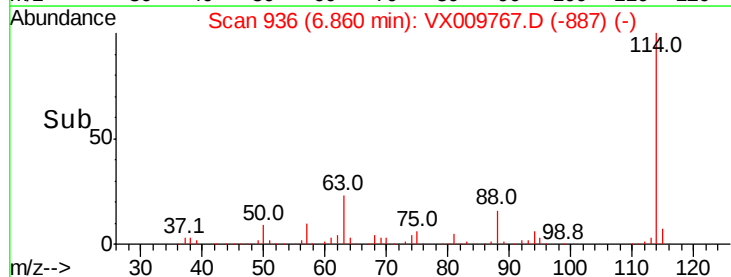
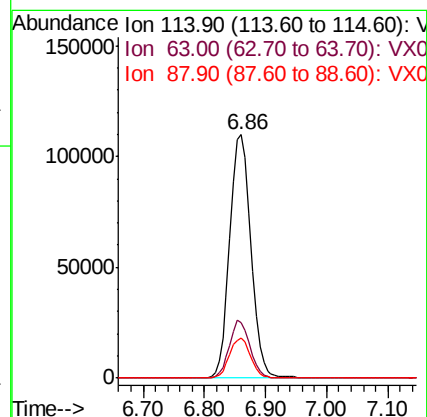
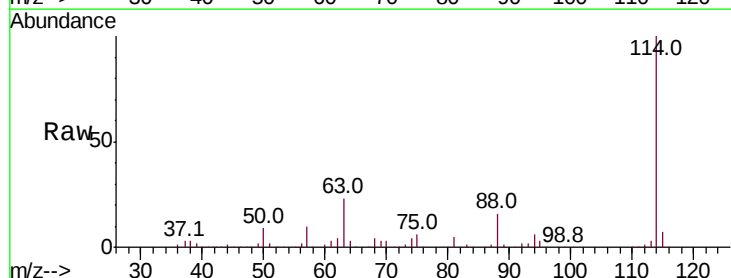
Tgt Ion: 114 Resp: 262971

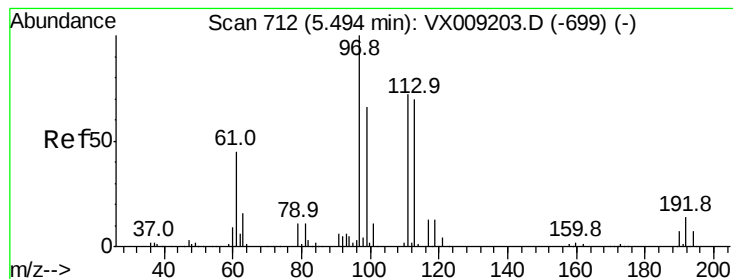
Ion Ratio Lower Upper

114 100

63 22.9 0.0 45.6

88 16.5 0.0 33.2





#35

Dibromofluoromethane

Concen: 41.828 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009767.D

Acq: 21 May 2019 22:48

Instrument :

MSVOA_X

ClientSampleId :

S73-0229MSD

Tot Ion:113 Resp: 69148

Ion Ratio Lower Upper

113 100

111 101.7 82.8 124.2

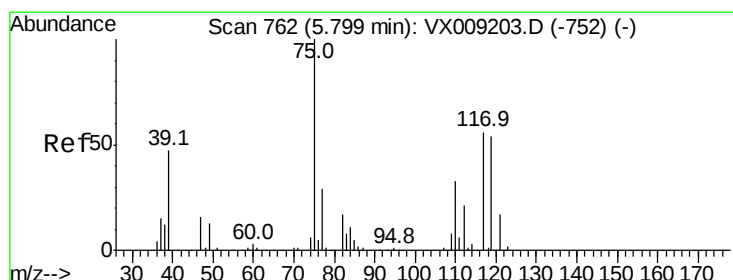
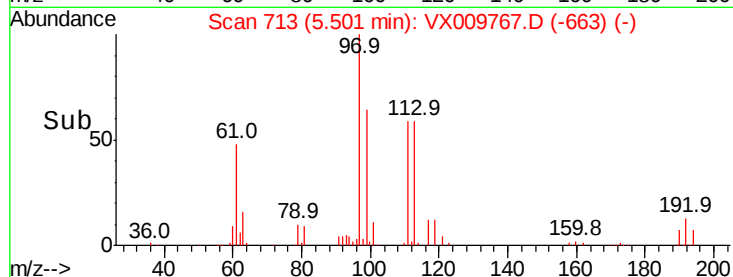
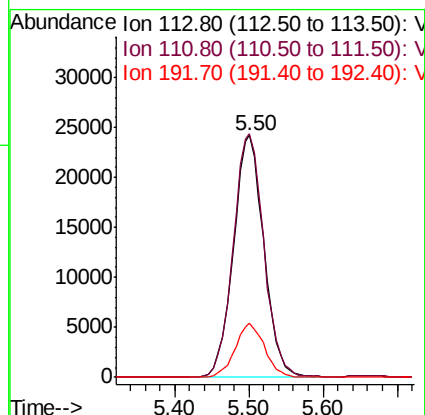
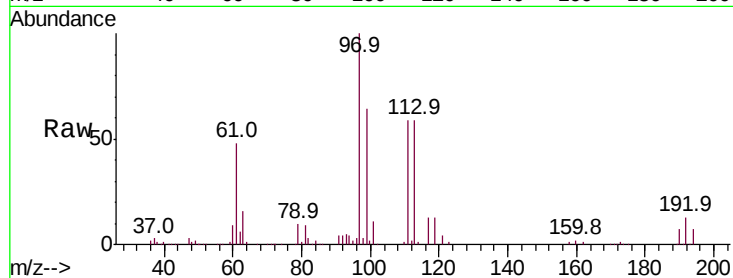
192 21.6 17.0 25.6

Manual Integrations

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#36

1,1-Dichloropropene

Concen: 50.209 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX009767.D

Acq: 21 May 2019 22:48

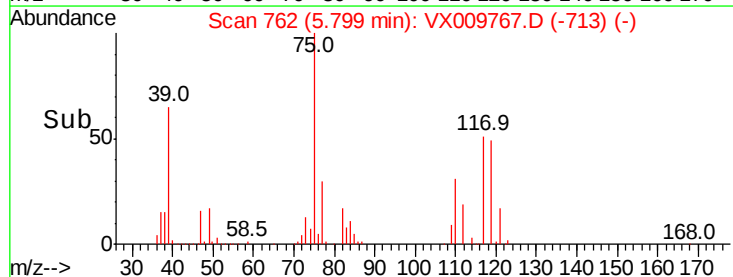
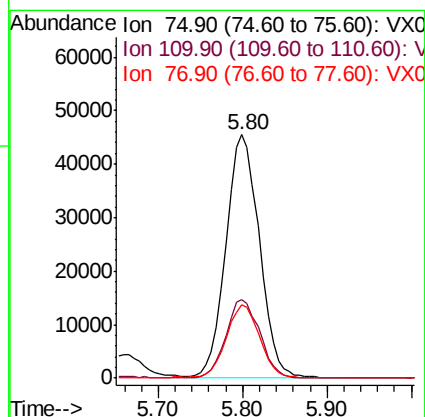
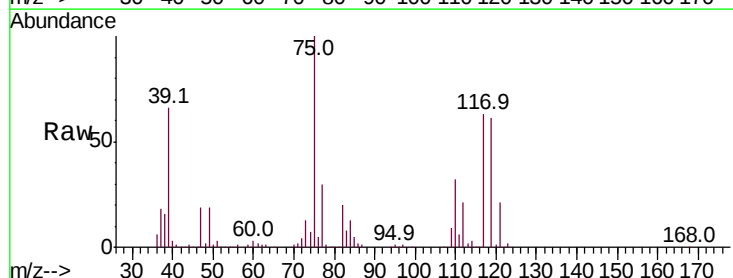
Tgt Ion: 75 Resp: 122703

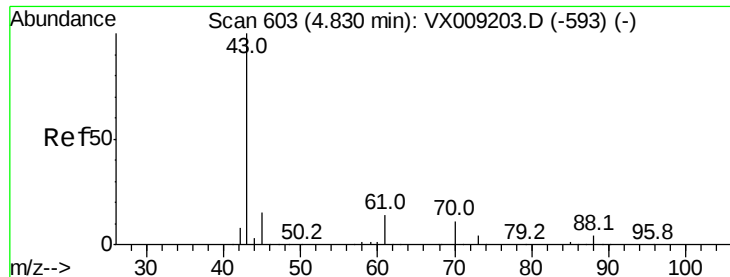
Ion Ratio Lower Upper

75 100

110 32.9 16.9 50.6

77 30.2 24.8 37.2





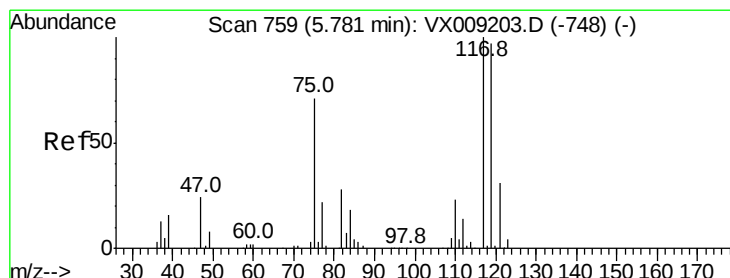
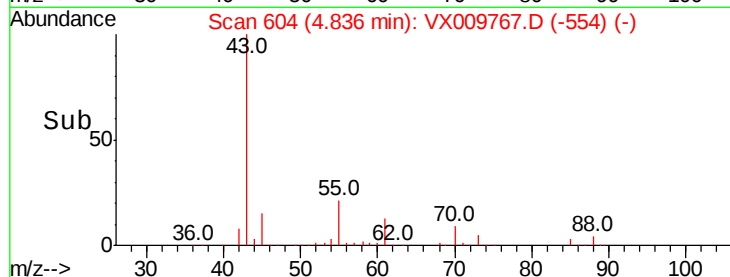
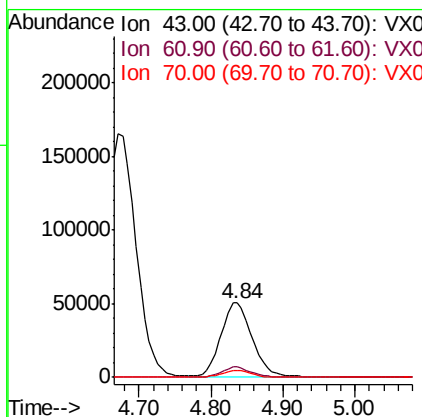
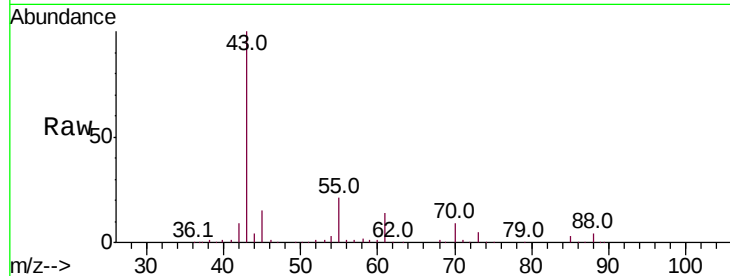
#37
Ethyl Acetate
Concen: 44.943 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009767.D
Acq: 21 May 2019 22:48

Instrument :
MSVOA_X
ClientSampleId :
S73-0229MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.5	15.7
70	9.3	7.9	11.9

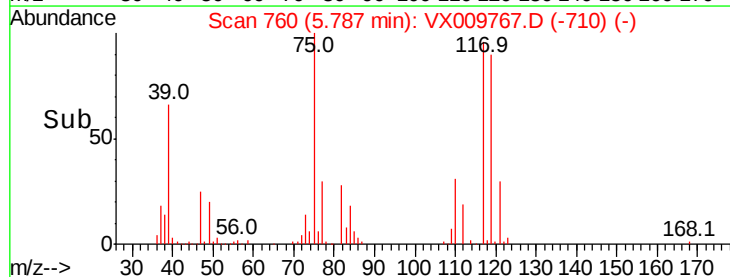
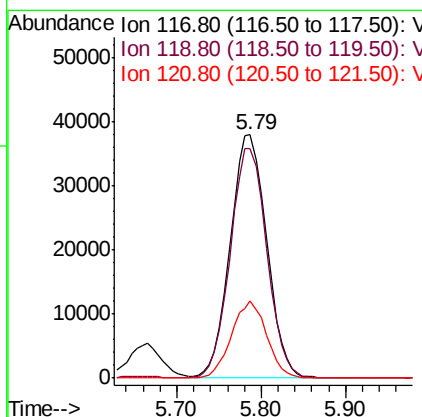
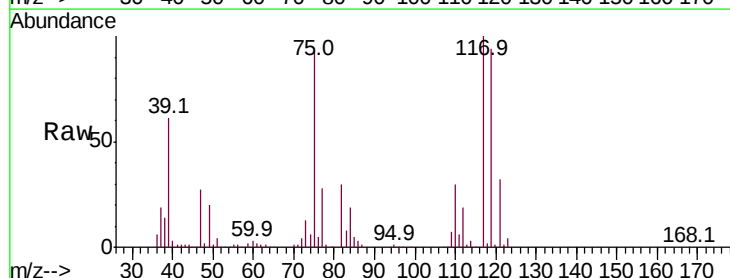
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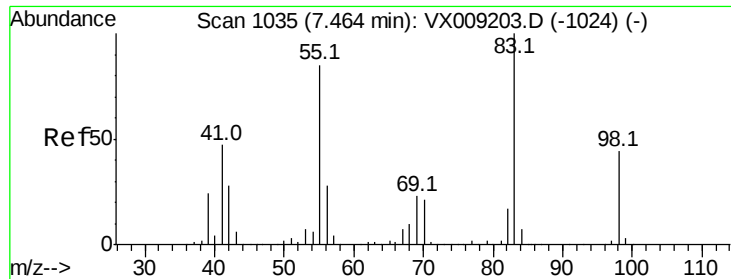
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#38
Carbon Tetrachloride
Concen: 50.321 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX009767.D
Acq: 21 May 2019 22:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	77.5	116.3
121	31.7	24.7	37.1





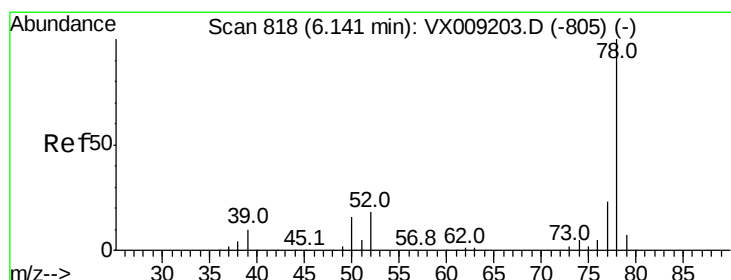
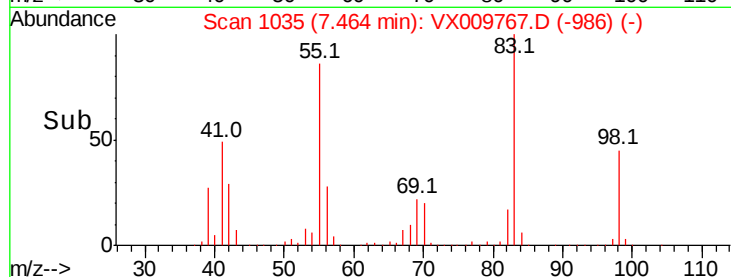
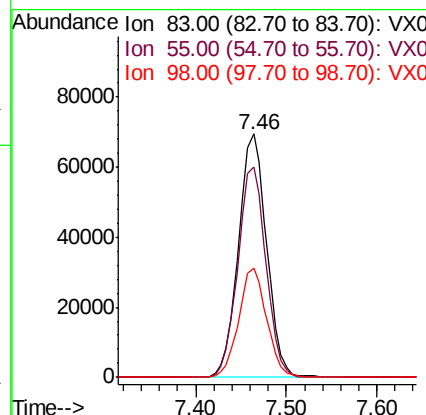
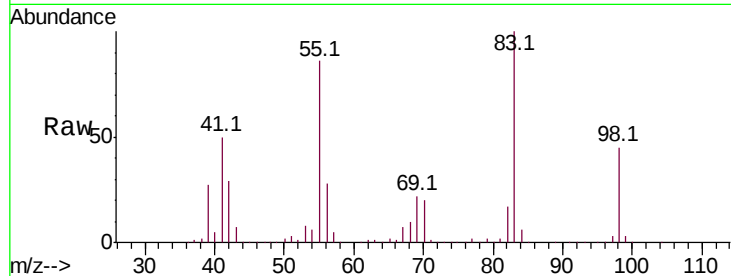
#39
Methvlcvclohexane
Concen: 49.752 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009767.D
Acq: 21 May 2019 22:48

Instrument :
MSVOA_X
ClientSampleId :
S73-0229MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	86.4	67.7	101.5	
98	44.7	35.5	53.3	

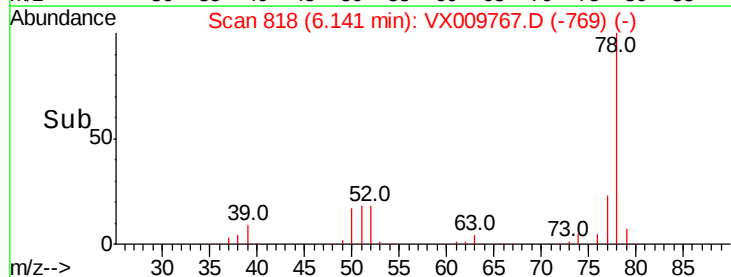
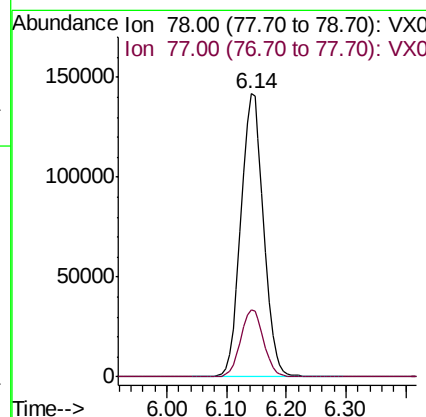
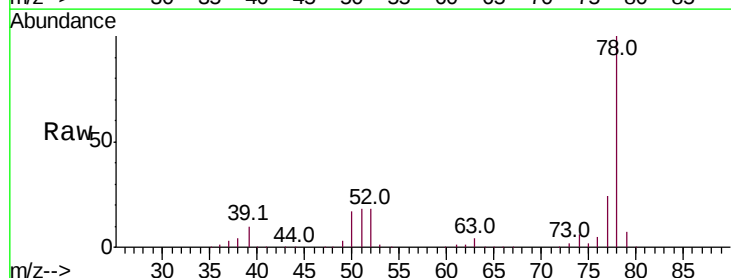
Manual Integrations
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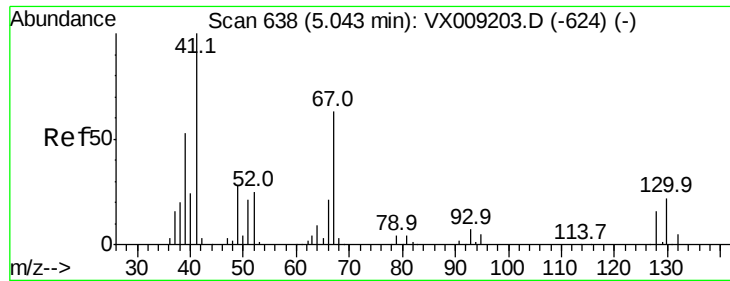
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#40
Benzene
Concen: 49.757 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009767.D
Acq: 21 May 2019 22:48

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.7	18.8	28.2	





#41

Methacrylonitrile

Concen: 50.382 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX009767.D

Acq: 21 May 2019 22:48

Instrument :

MSVOA_X

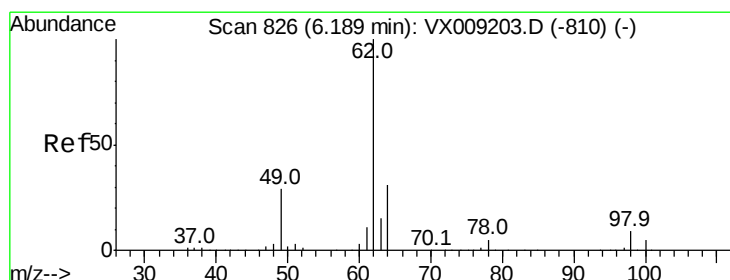
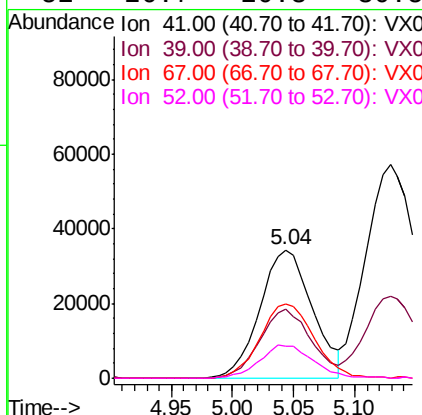
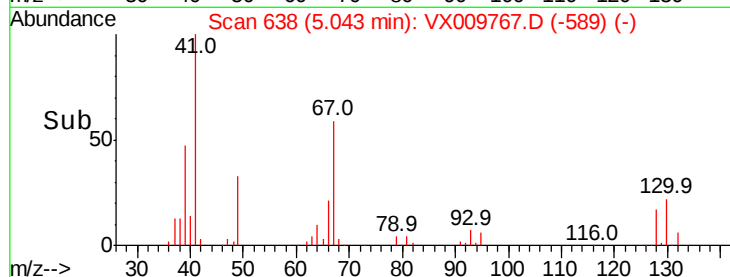
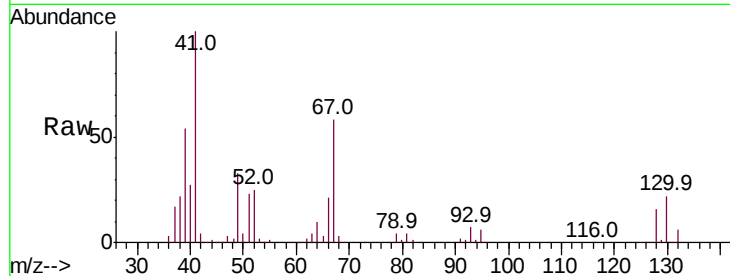
ClientSampled :

S73-0229MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.0	42.0	63.0	
67	60.0	49.8	74.8	
52	26.7	20.3	30.5	

Manual Integrations
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5/22/2019 10:40:01 AM



#42

1,2-Dichloroethane

Concen: 50.622 ug/l

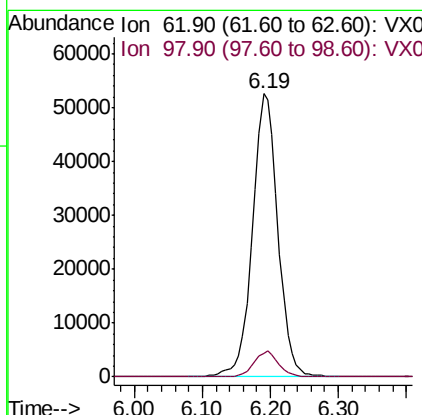
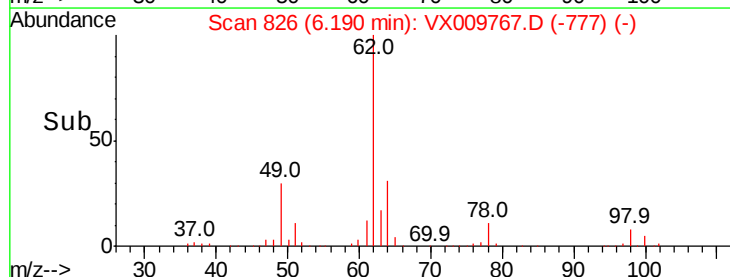
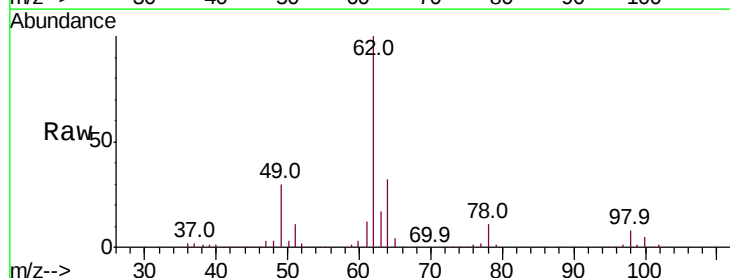
RT: 6.19 min Scan# 826

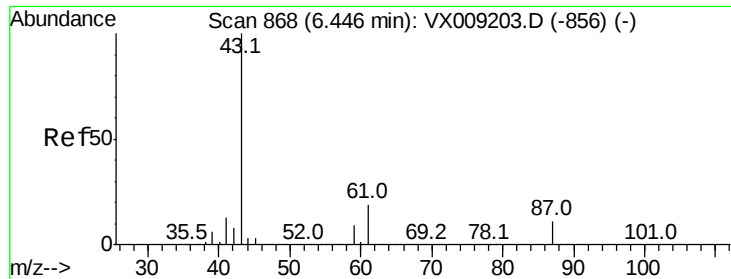
Delta R.T. 0.00 min

Lab File: VX009767.D

Acq: 21 May 2019 22:48

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	18.2	





#43

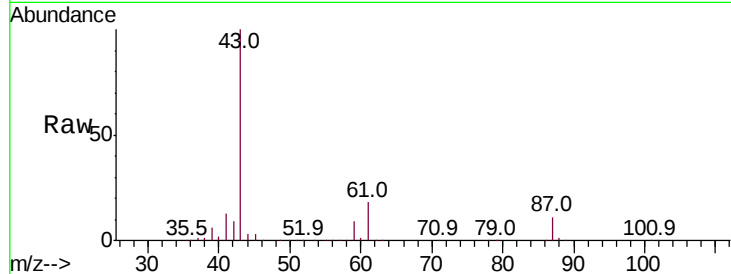
Isopropyl Acetate
 Concen: 47.668 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX009767.D
 Acq: 21 May 2019 22:48

Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0229MSD

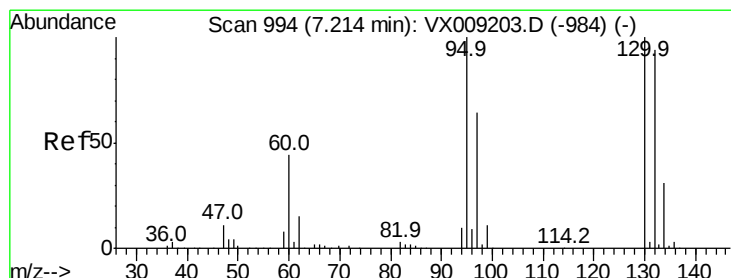
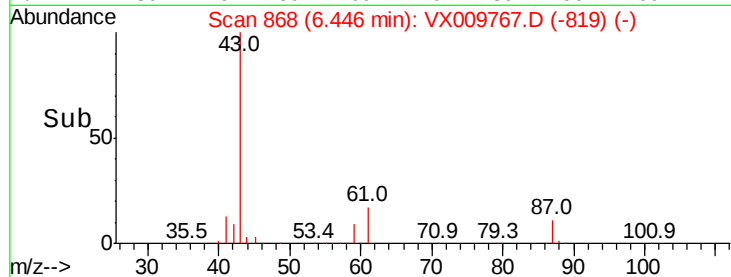
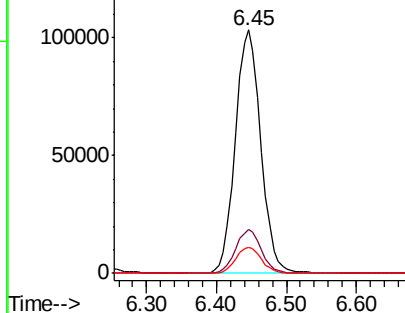
Tot Ion	Ratio	Lower	Upper
43	100		
61	18.2	15.1	22.7
87	10.8	9.0	13.6

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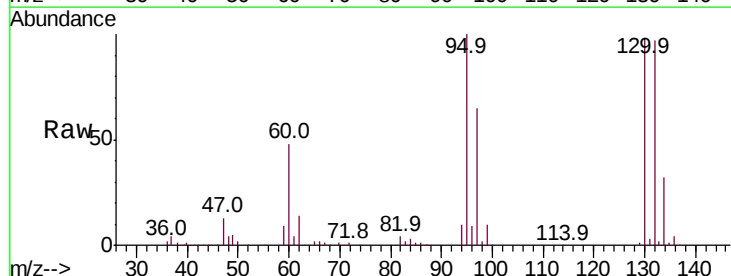
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



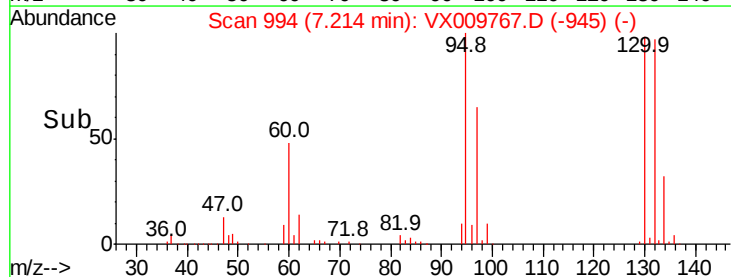
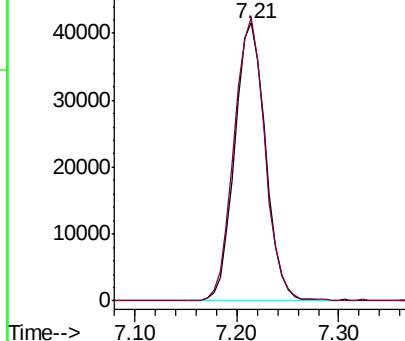
#44

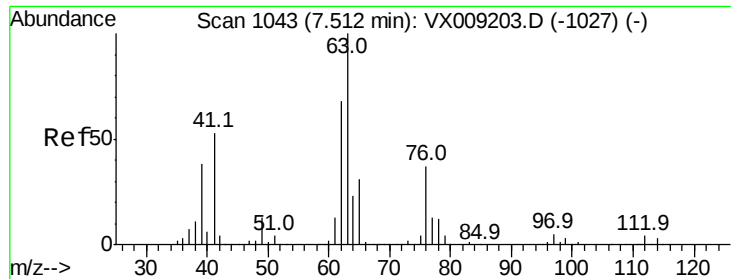
Trichloroethene
 Concen: 47.710 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009767.D
 Acq: 21 May 2019 22:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.9	0.0	199.2



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 49.846 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009767.D

Acq: 21 May 2019 22:48

Instrument :

MSVOA_X

ClientSampleId :

S73-0229MSD

Tot Ion: 63 Resp: 106749

Ion Ratio Lower Upper

63 100

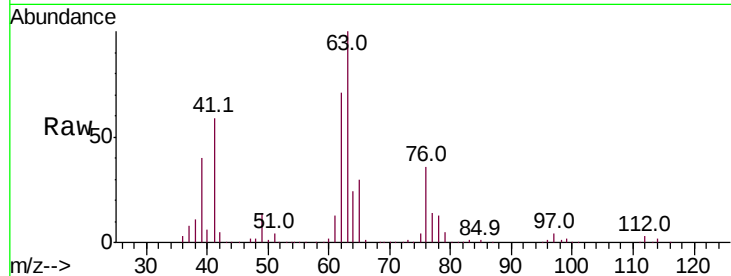
65 30.4 25.0 37.6

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

60000

50000

40000

30000

20000

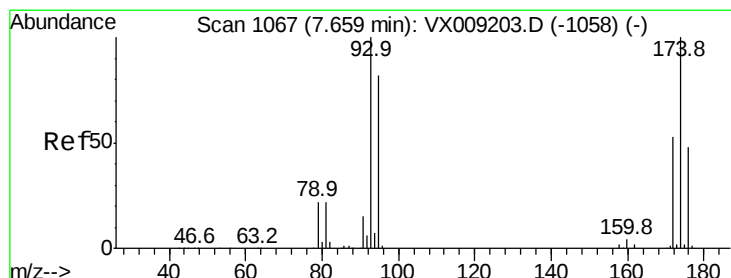
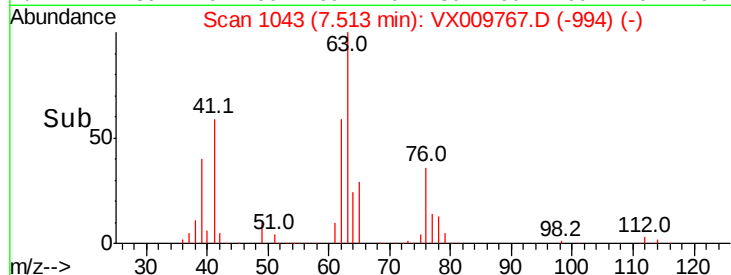
10000

0

Time-->

7.40 7.50 7.60

7.51



#46

Dibromomethane

Concen: 49.640 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009767.D

Acq: 21 May 2019 22:48

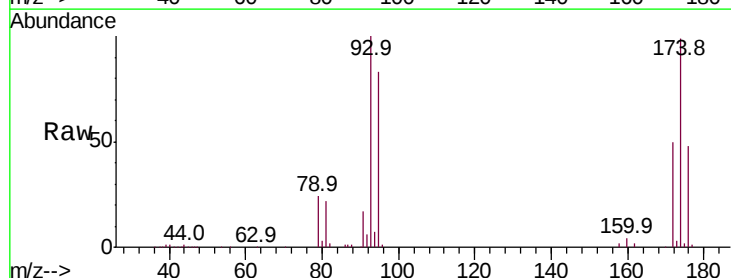
Tgt Ion: 93 Resp: 61734

Ion Ratio Lower Upper

93 100

95 82.1 66.5 99.7

174 103.0 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

40000

30000

20000

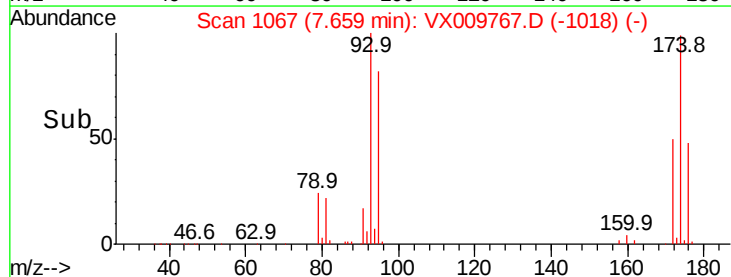
10000

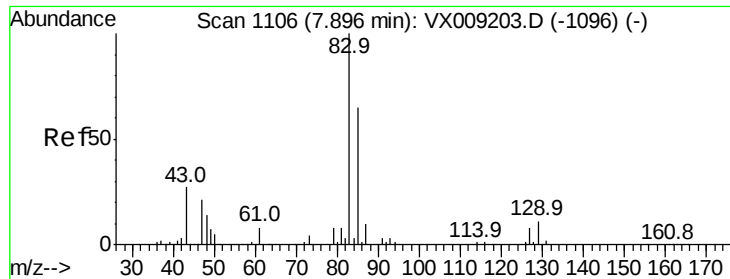
0

Time-->

7.55 7.60 7.65 7.70 7.75

7.66





#47

Bromodichloromethane

Concen: 50.101 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009767.D

Acq: 21 May 2019 22:48

Instrument :

MSVOA_X

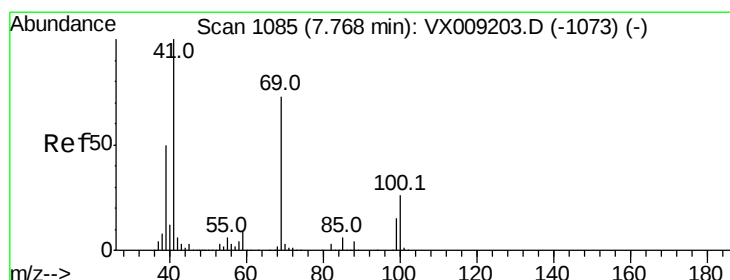
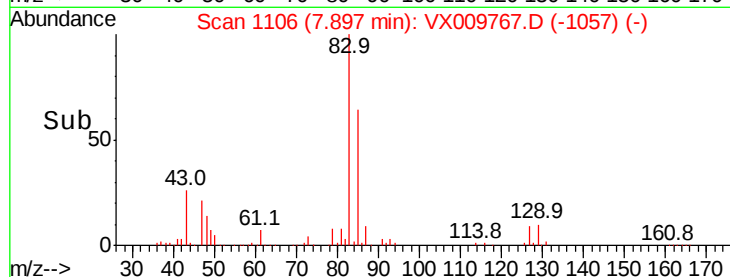
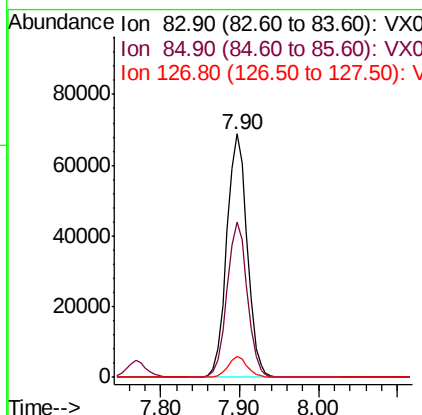
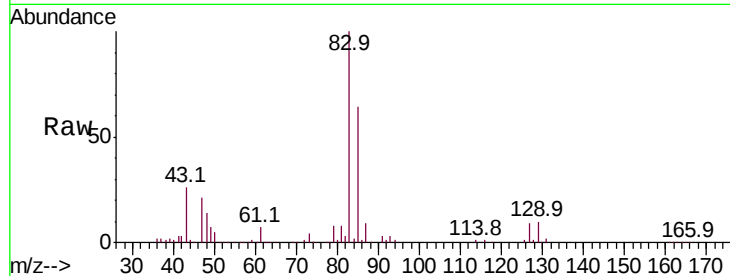
ClientSampleId :

S73-0229MSD

Tot Ion:	83	Resp:	124287
Ion Ratio	Lower	Upper	
83	100		
85	64.0	52.4	78.6
127	8.6	6.6	10.0

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#48

Methyl methacrylate

Concen: 53.064 ug/l

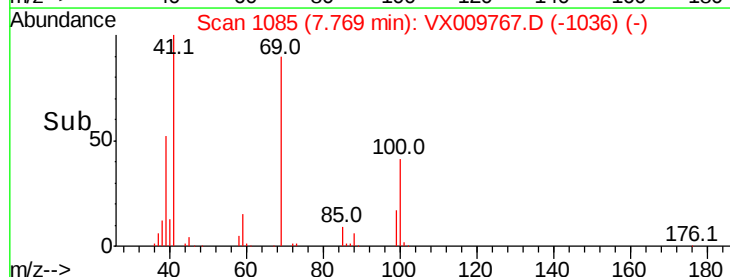
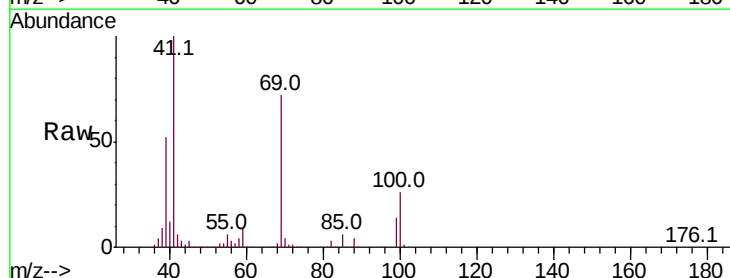
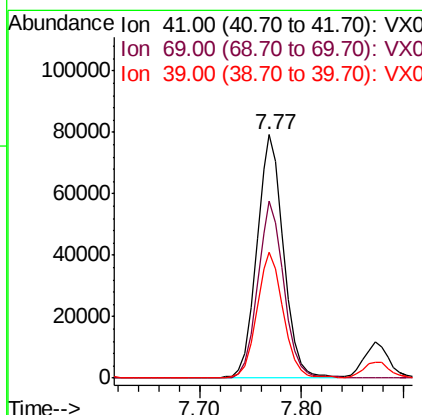
RT: 7.77 min Scan# 1085

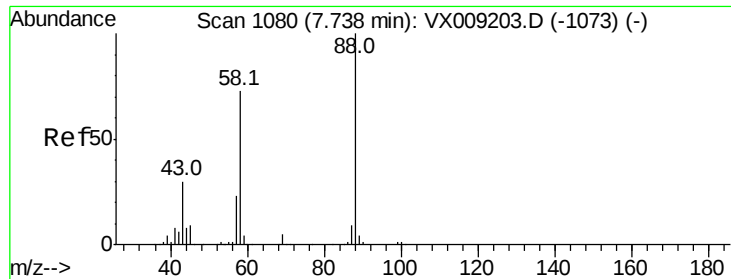
Delta R.T. 0.00 min

Lab File: VX009767.D

Acq: 21 May 2019 22:48

Tgt Ion:	41	Resp:	143386
Ion Ratio	Lower	Upper	
41	100		
69	71.8	59.1	88.7
39	51.2	40.4	60.6





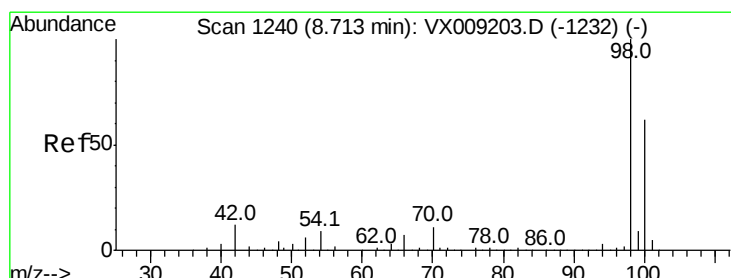
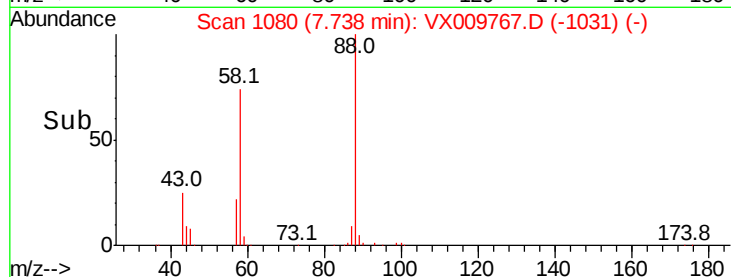
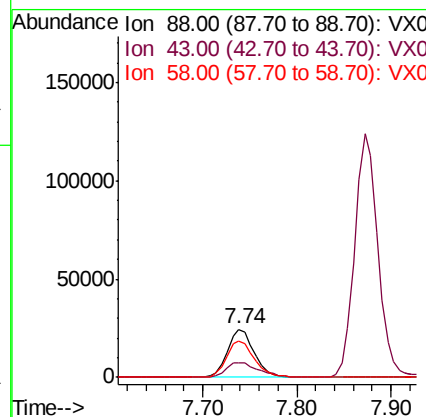
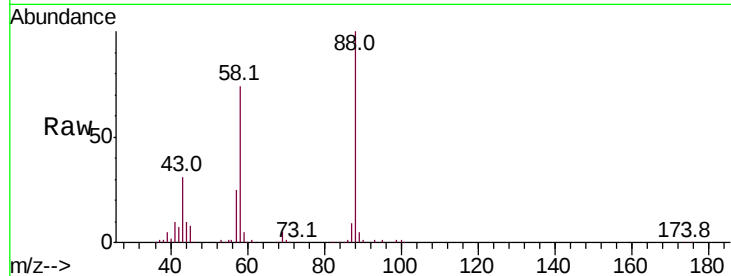
#49
1,4-Dioxane
Concen: 882.234 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009767.D
Acq: 21 May 2019 22:48

Instrument :
MSVOA_X
ClientSampleId :
S73-0229MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.1	28.6	42.8
58	79.0	61.7	92.5

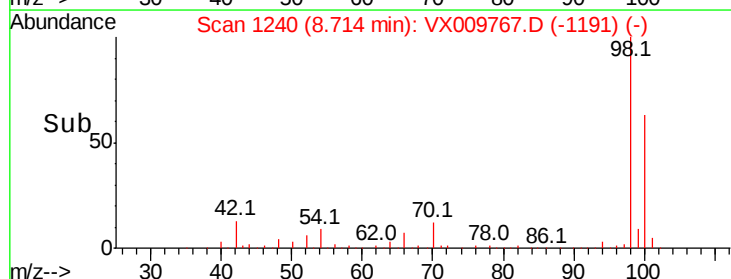
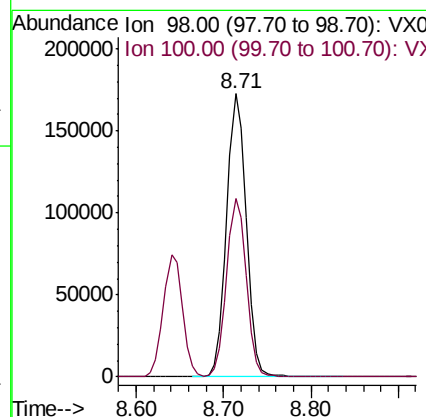
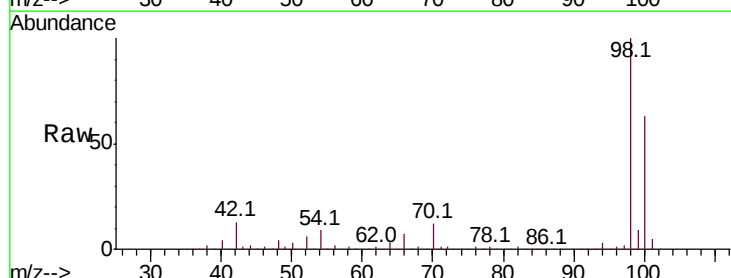
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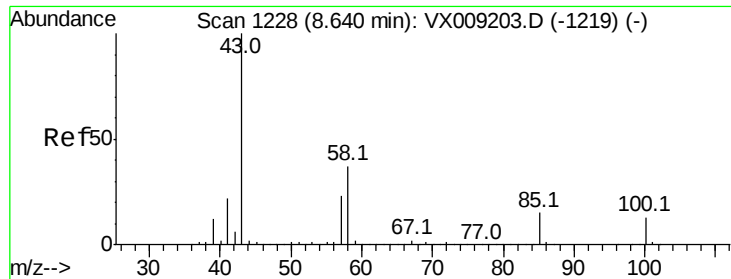
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#50
Toluene-d8
Concen: 40.227 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009767.D
Acq: 21 May 2019 22:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 267.219 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009767.D

Acq: 21 May 2019 22:48

Instrument :

MSVOA_X

ClientSampleId :

S73-0229MSD

Tot Ion: 43 Resp: 951273

Ion Ratio Lower Upper

43 100

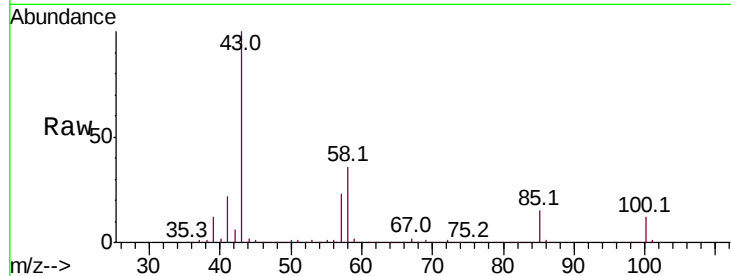
58 36.1 29.5 44.3

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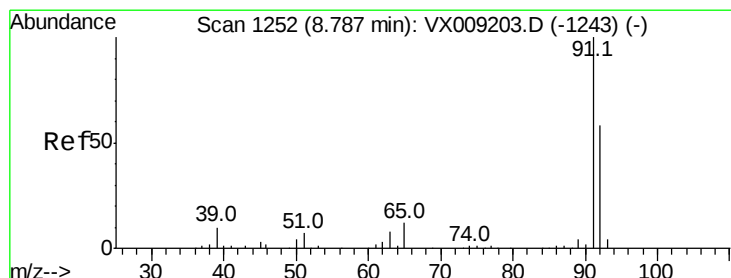
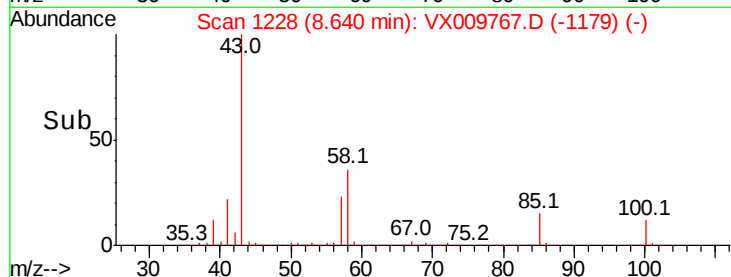
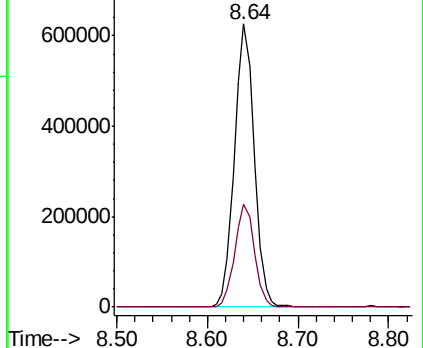
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 49.803 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009767.D

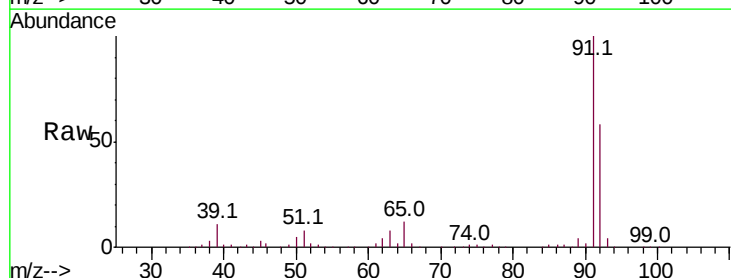
Acq: 21 May 2019 22:48

Tgt Ion: 92 Resp: 228966

Ion Ratio Lower Upper

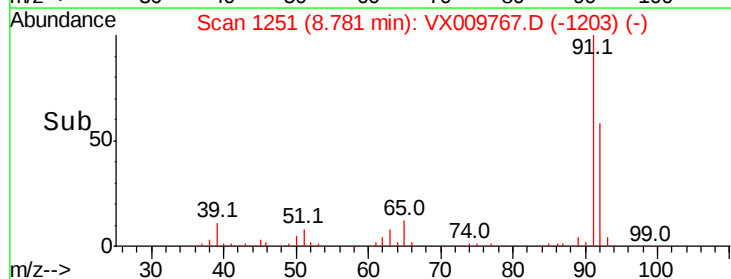
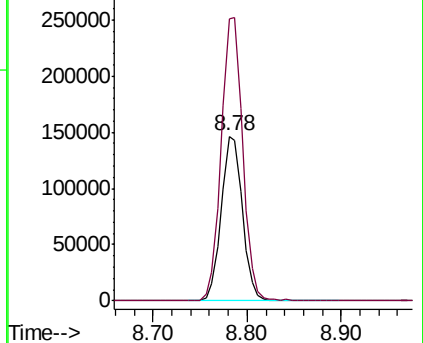
92 100

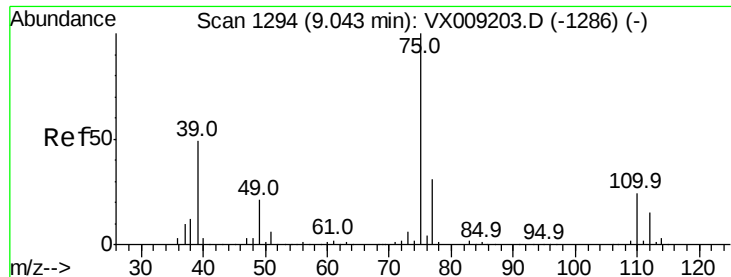
91 174.2 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





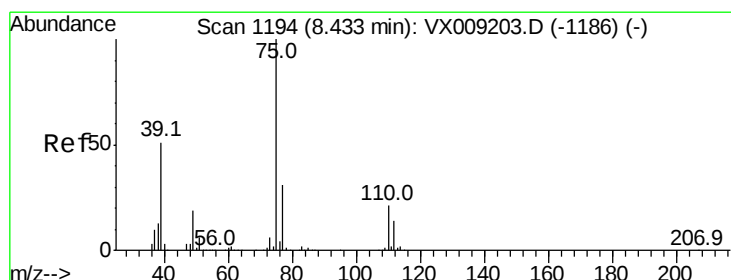
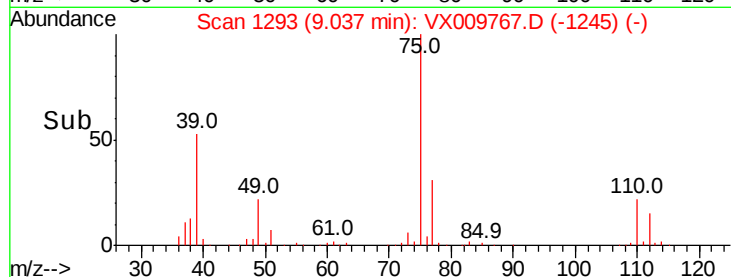
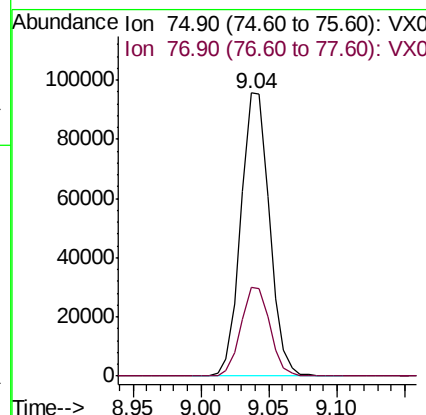
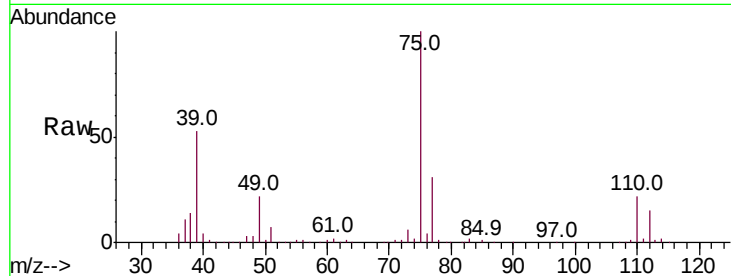
#53
t-1,3-Dichloropropene
Concen: 50.240 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VX009767.D
Acq: 21 May 2019 22:48

Instrument :
MSVOA_X
ClientSampled :
S73-0229MSD

Tot Ion: 75 Resp: 140712
Ion Ratio Lower Upper
75 100
77 31.4 25.0 37.6

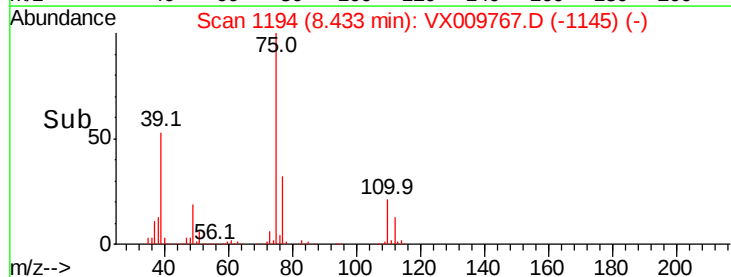
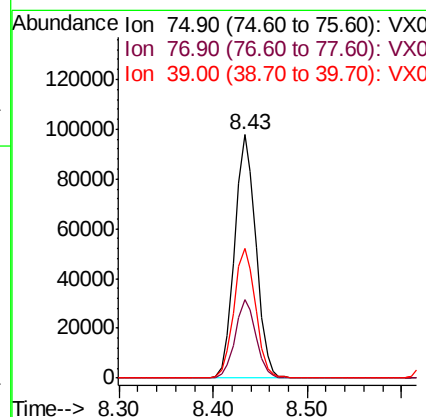
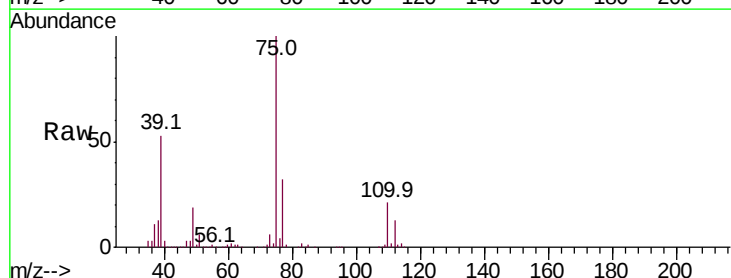
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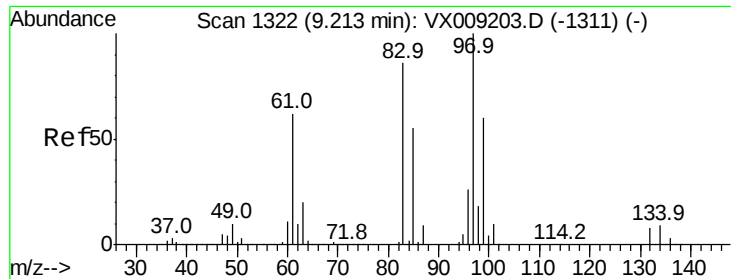
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#54
cis-1,3-Dichloropropene
Concen: 49.463 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009767.D
Acq: 21 May 2019 22:48

Tgt Ion: 75 Resp: 153337
Ion Ratio Lower Upper
75 100
77 32.3 24.6 36.8
39 53.0 40.6 60.8





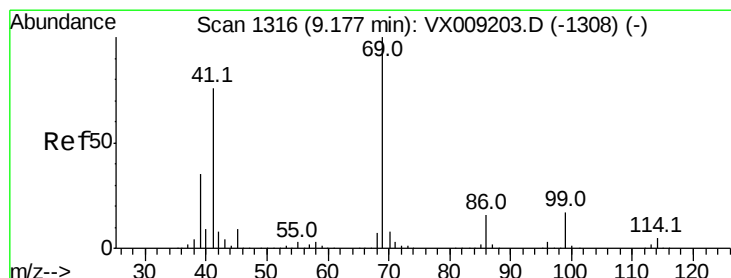
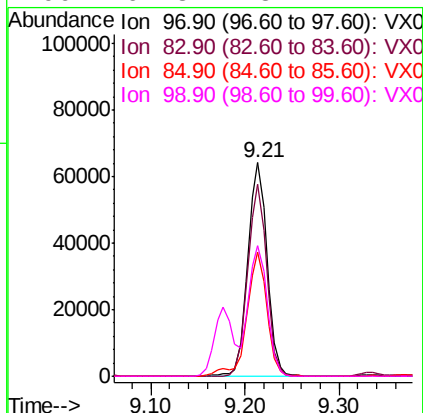
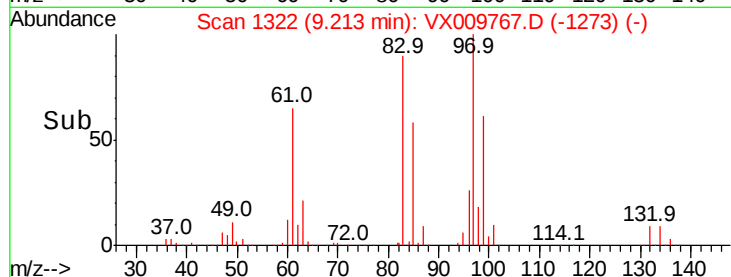
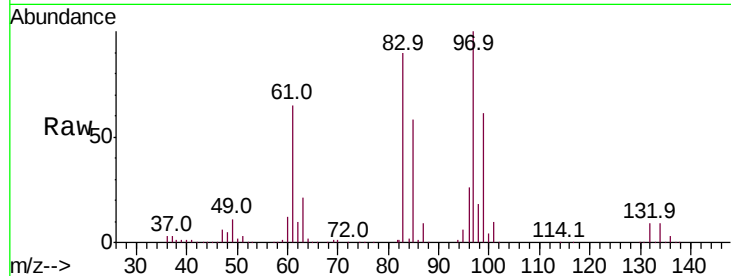
#55
1,1,2-Trichloroethane
Concen: 49.171 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX009767.D
Acq: 21 May 2019 22:48

Instrument :
MSVOA_X
ClientSampled :
S73-0229MSD

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.6	68.9	103.3
85	58.3	43.8	65.6
99	61.3	48.2	72.2

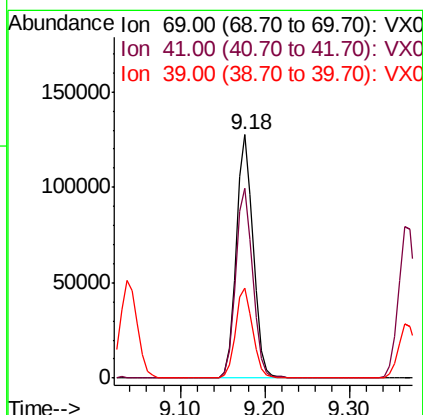
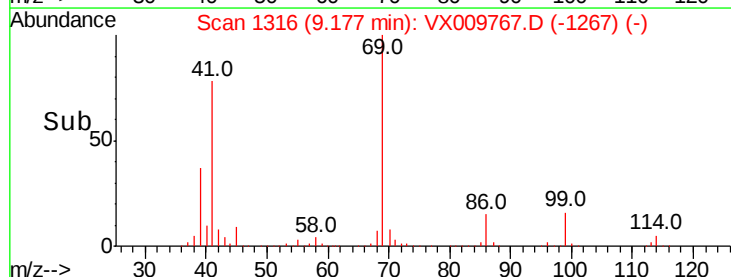
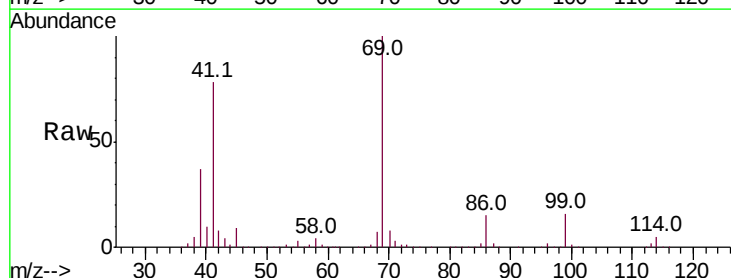
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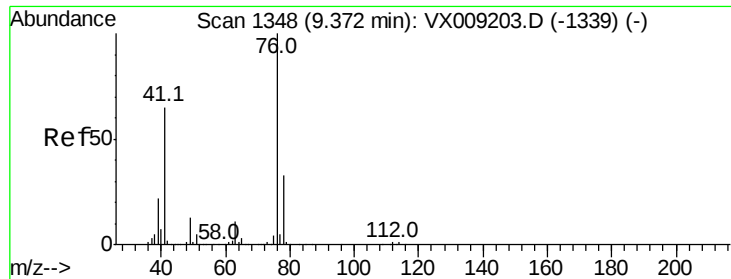
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#56
Ethyl methacrylate
Concen: 51.389 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VX009767.D
Acq: 21 May 2019 22:48

Tgt Ion	Ratio	Lower	Upper
69	100		
41	78.8	60.6	90.8
39	37.4	28.2	42.4





#57

1,3-Dichloropropane

Concen: 49.540 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX009767.D

Acq: 21 May 2019 22:48

Instrument :

MSVOA_X

ClientSampleId :

S73-0229MSD

Tot Ion: 76 Resp: 163515

Ion Ratio Lower Upper

76 100

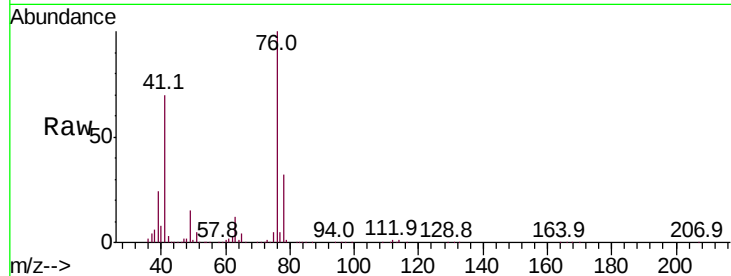
78 31.8 25.5 38.3

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

120000

100000

80000

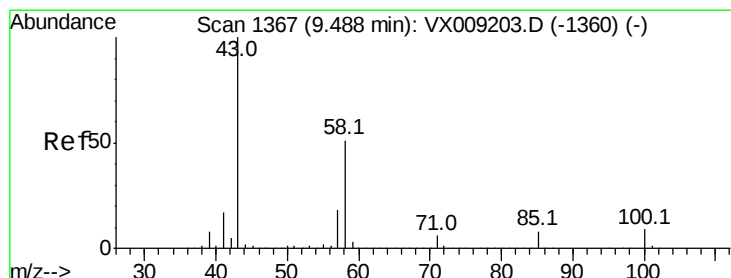
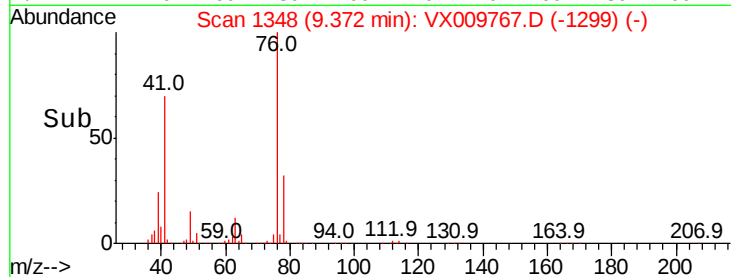
60000

40000

20000

0

Time-->



#59

2-Hexanone

Concen: 263.486 ug/l

RT: 9.49 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VX009767.D

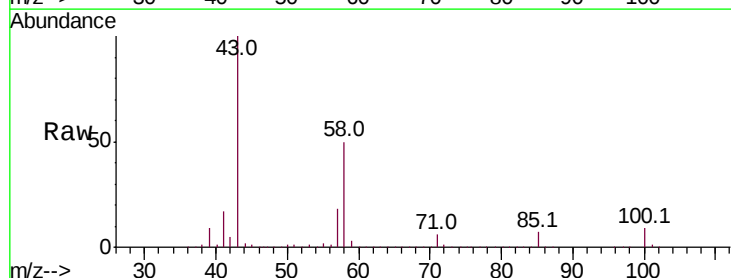
Acq: 21 May 2019 22:48

Tgt Ion: 43 Resp: 736682

Ion Ratio Lower Upper

43 100

58 50.5 25.9 77.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.49

600000

500000

400000

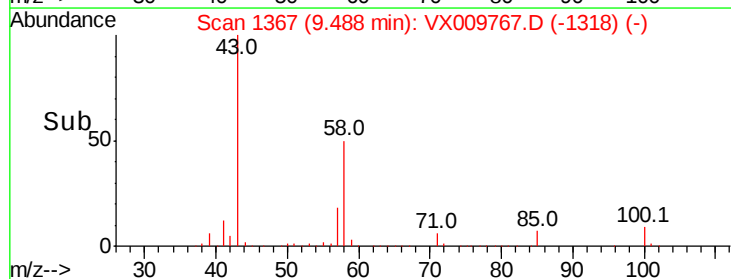
300000

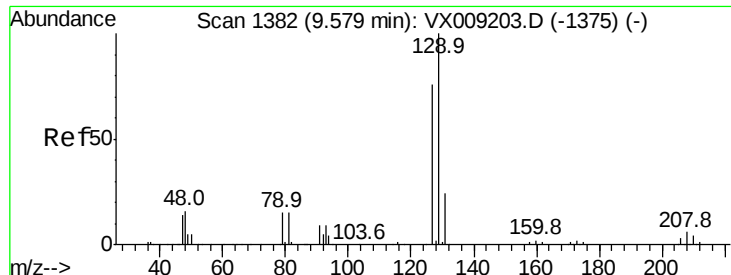
200000

100000

0

Time-->





#60

Dibromochloromethane

Concen: 50.777 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX009767.D

Acq: 21 May 2019 22:48

Instrument :

MSVOA_X

ClientSampleId :

S73-0229MSD

Tot Ion:129 Resp: 93019

Ion Ratio Lower Upper

129 100

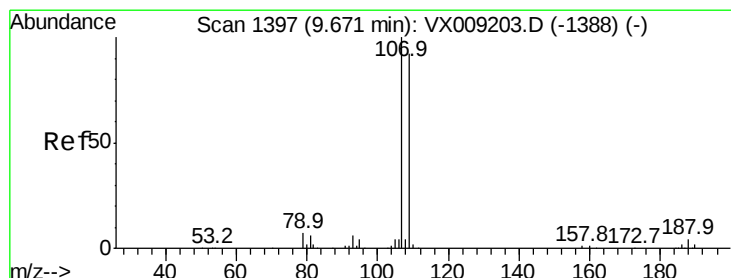
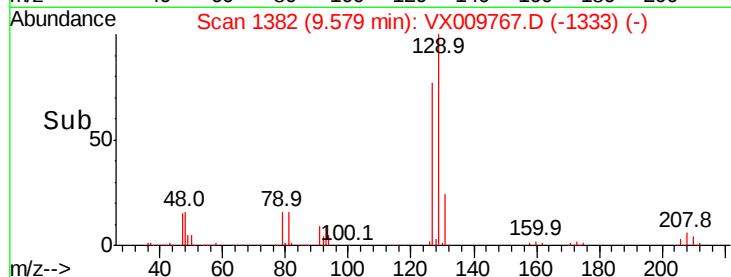
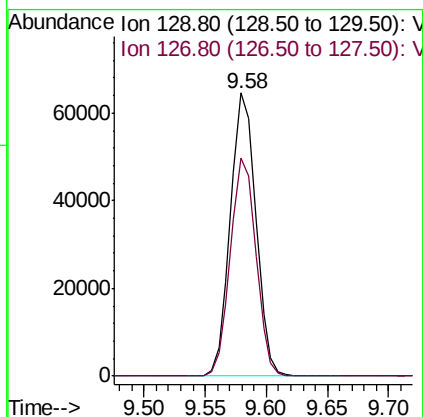
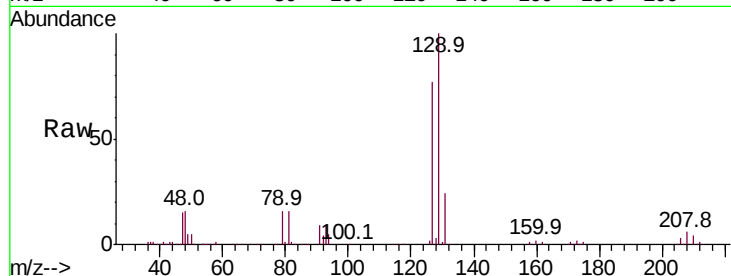
127 77.5 38.4 115.1

Manual Integrations

APPROVED

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#61

1,2-Dibromoethane

Concen: 50.303 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009767.D

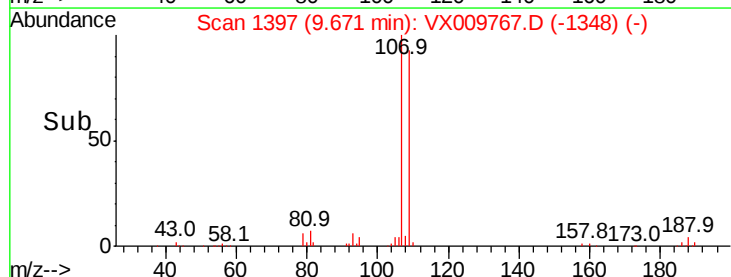
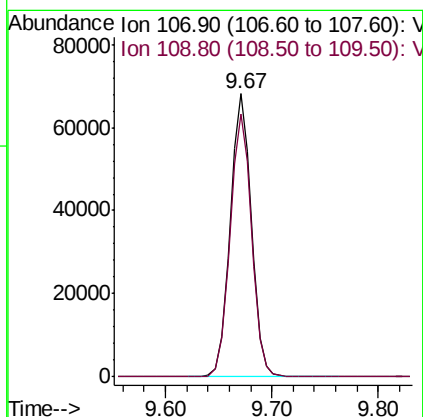
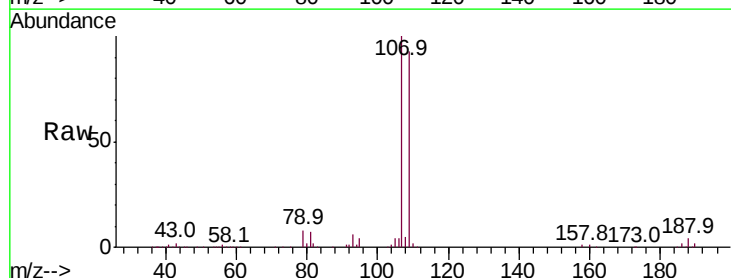
Acq: 21 May 2019 22:48

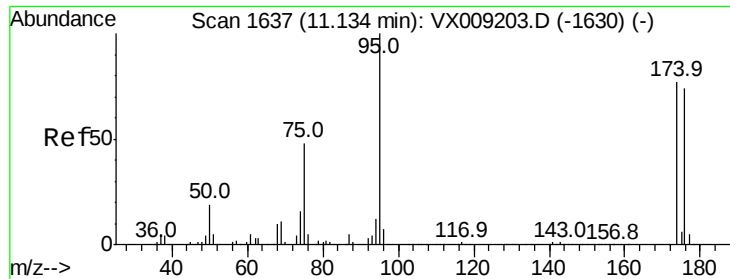
Tgt Ion:107 Resp: 95241

Ion Ratio Lower Upper

107 100

109 94.2 75.2 112.8





#62

4-Bromofluorobenzene

Concen: 42.446 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009767.D

Acq: 21 May 2019 22:48

Instrument :

MSVOA_X

ClientSampleId :

S73-0229MSD

Tot Ion: 95 Resp: 102938

Ion Ratio Lower Upper

95 100

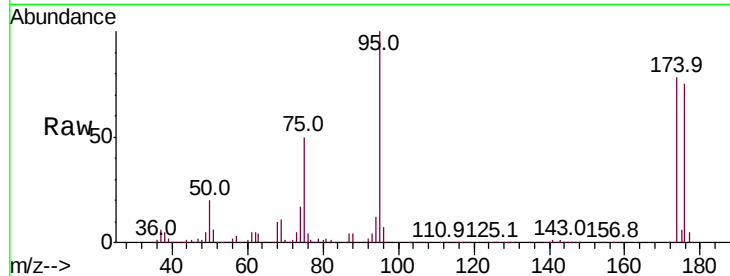
174 81.4 0.0 161.6

176 77.9 0.0 159.2

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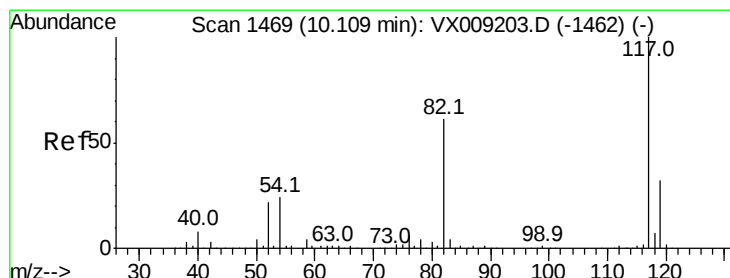
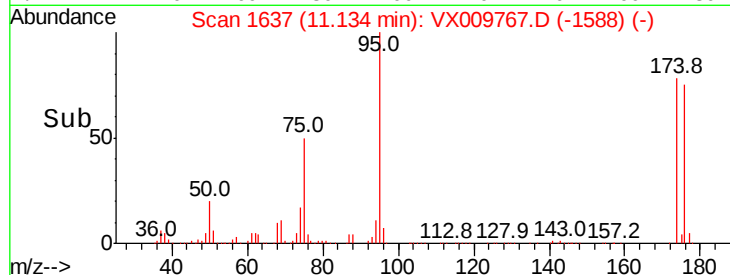
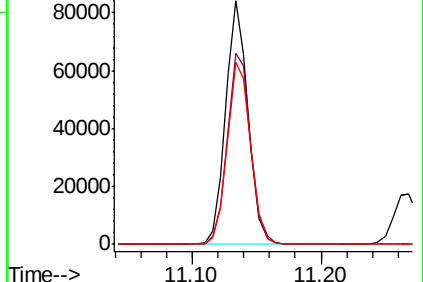
5/22/2019 10:40:01 AM



Abundance Ion 94.90 (94.60 to 95.60): VX009203.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX009203.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX009203.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009767.D

Acq: 21 May 2019 22:48

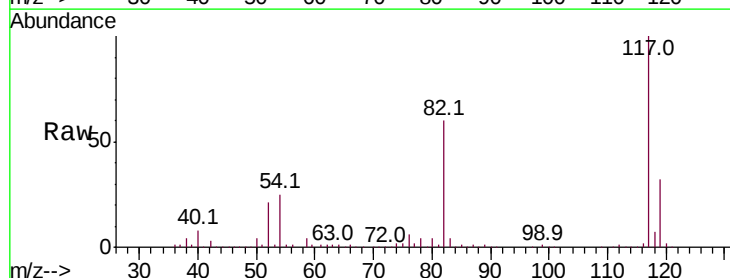
Tgt Ion: 117 Resp: 240659

Ion Ratio Lower Upper

117 100

82 59.7 48.8 73.2

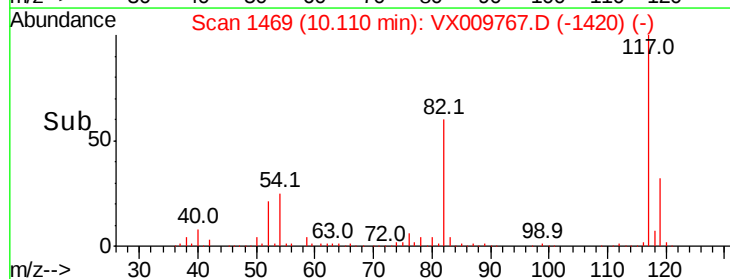
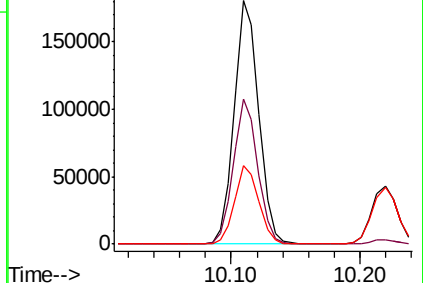
119 32.5 25.8 38.6

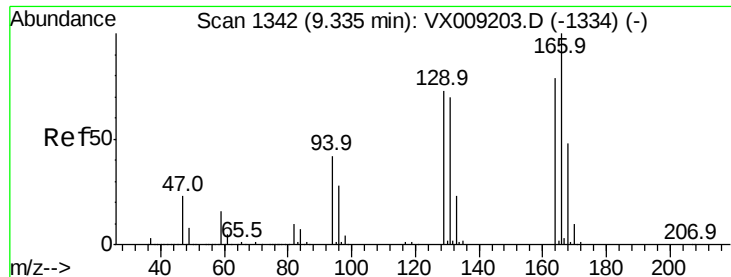


Abundance Ion 116.90 (116.60 to 117.60): VX009203.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX009203.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX009203.D (-1462) (-)





#64

Tetrachloroethene

Concen: 44.659 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX009767.D

Acq: 21 May 2019 22:48

Instrument :

MSVOA_X

ClientSampleId :

S73-0229MSD

Tot Ion:164 Resp: 73723

Ion Ratio Lower Upper

164 100

166 126.3 101.2 151.8

129 88.8 74.3 111.5

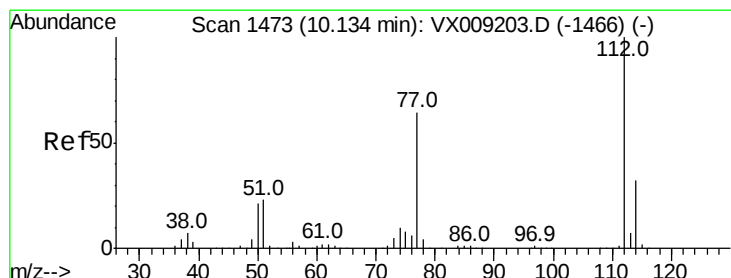
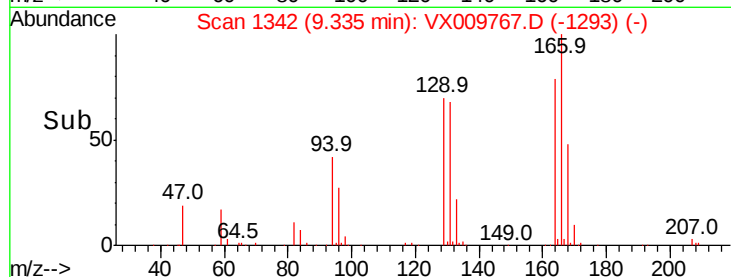
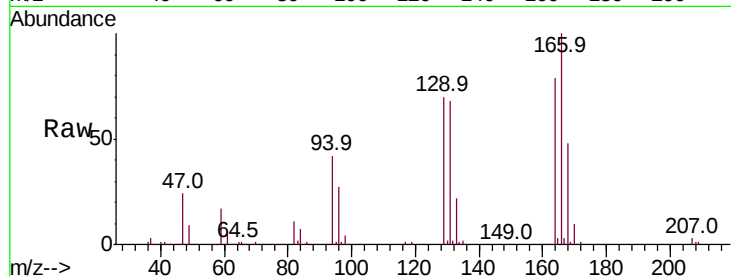
131 85.6 71.0 106.6

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#65

Chlorobenzene

Concen: 49.407 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX009767.D

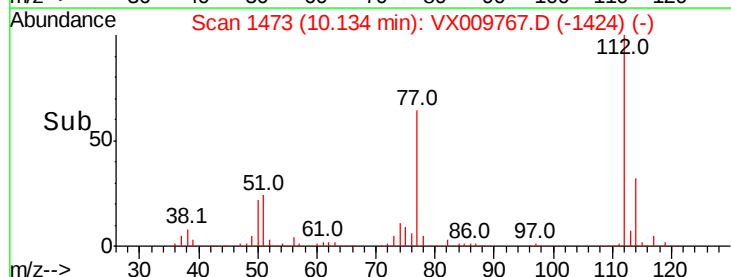
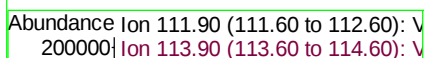
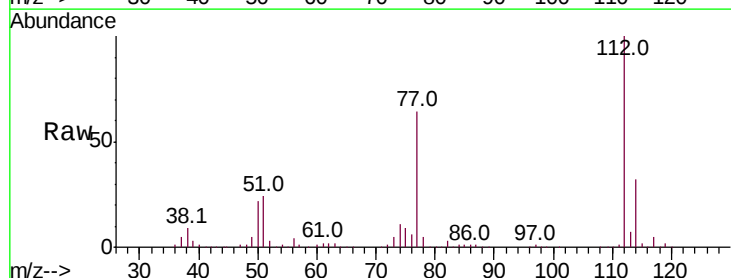
Acq: 21 May 2019 22:48

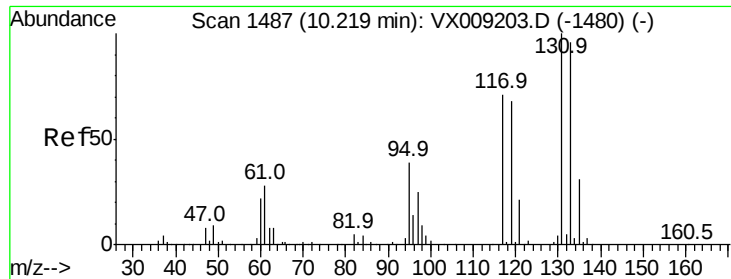
Tgt Ion:112 Resp: 237860

Ion Ratio Lower Upper

112 100

114 32.0 25.5 38.3





#66

1,1,1,2-Tetrachloroethane

Concen: 49.445 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX009767.D

Acq: 21 May 2019 22:48

Instrument :

MSVOA_X

ClientSampleId :

S73-0229MSD

Tot Ion:131 Resp: 86300

Ion Ratio Lower Upper

131 100

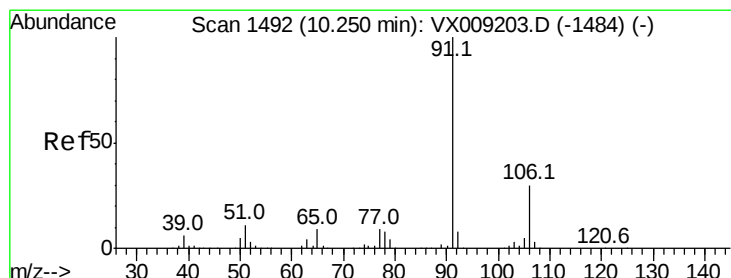
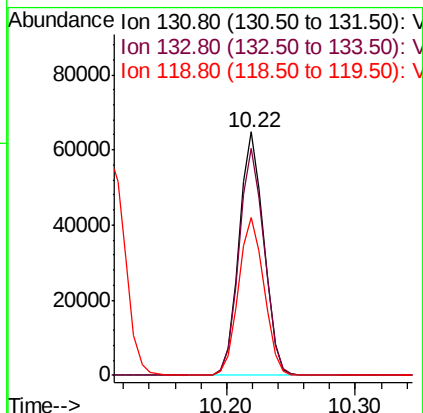
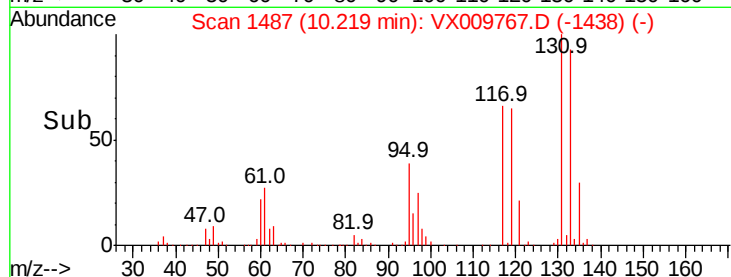
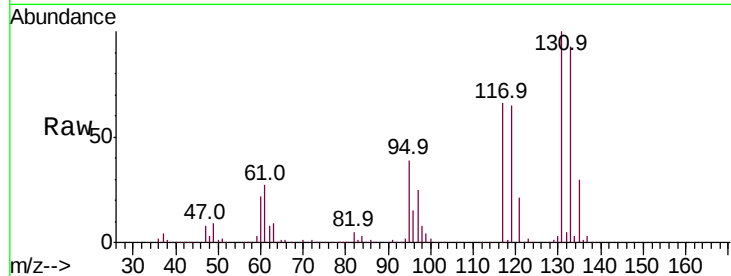
133 95.0 47.7 143.1

119 66.7 33.5 100.4

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#67

Ethyl Benzene

Concen: 50.139 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009767.D

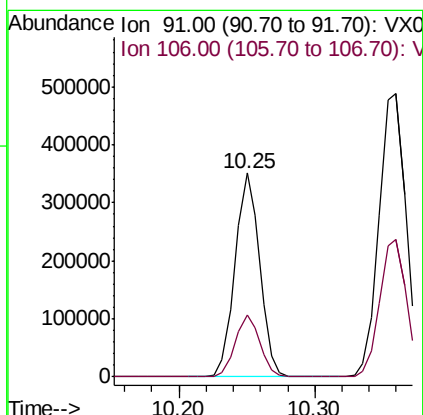
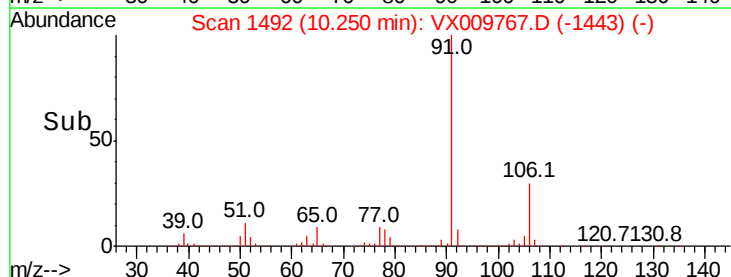
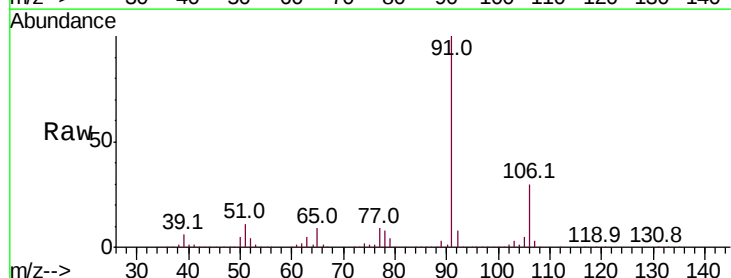
Acq: 21 May 2019 22:48

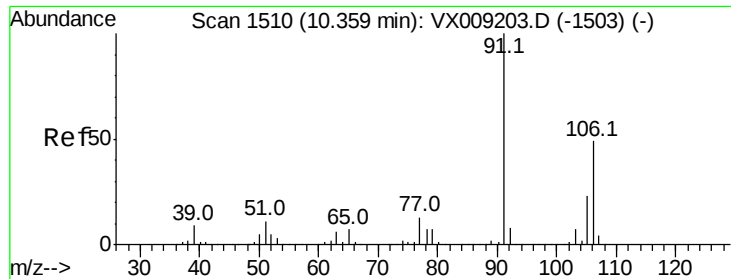
Tgt Ion: 91 Resp: 444233

Ion Ratio Lower Upper

91 100

106 30.1 24.0 36.0





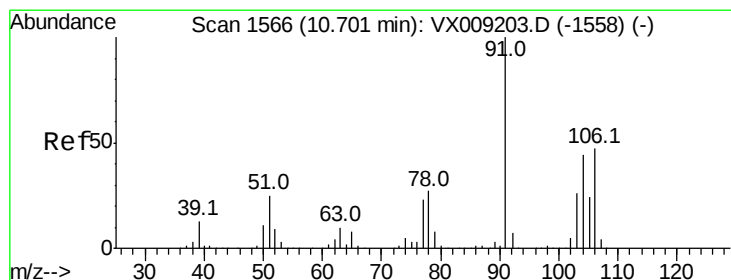
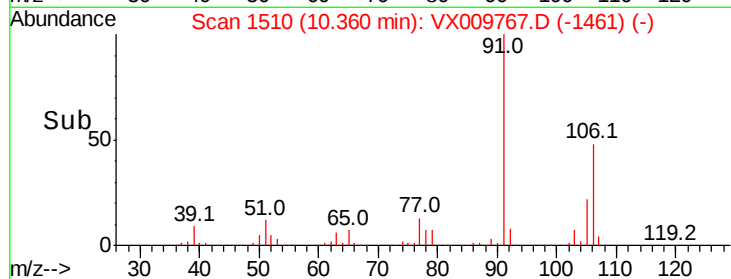
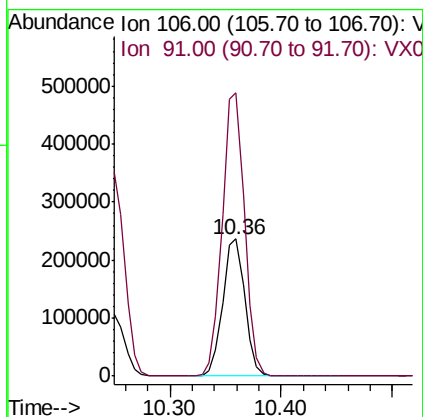
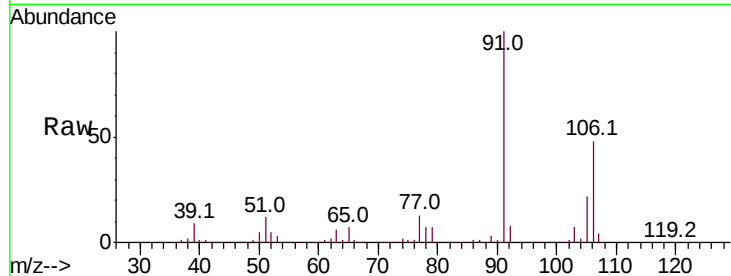
#68
m/p-Xylenes
Concen: 99.743 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX009767.D
Acq: 21 May 2019 22:48

Instrument :
MSVOA_X
ClientSampled :
S73-0229MSD

Tot Ion:106 Resp: 322944
Ion Ratio Lower Upper
106 100
91 209.3 164.0 246.0

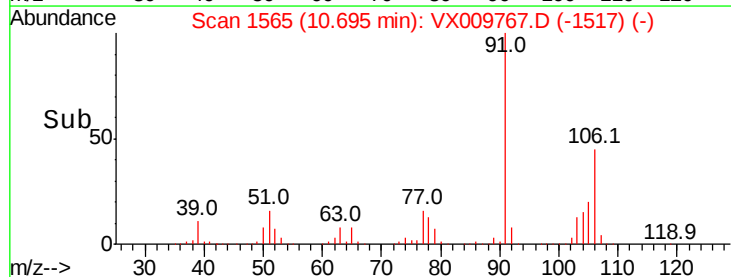
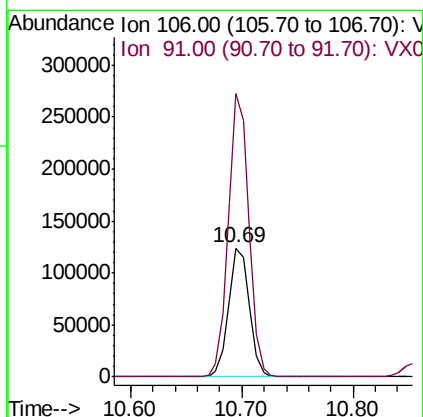
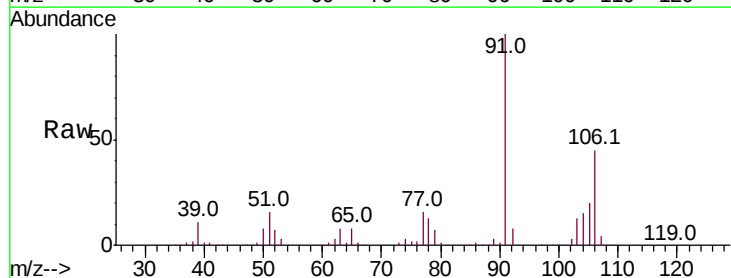
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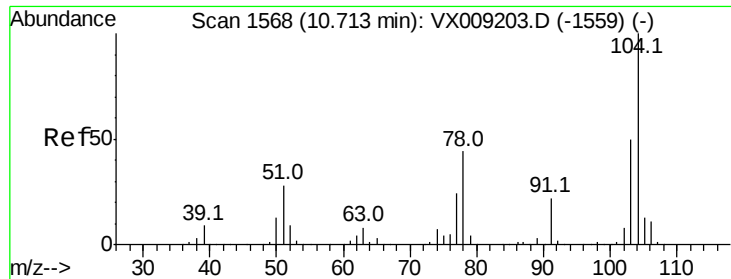
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#69
o-Xylene
Concen: 49.912 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009767.D
Acq: 21 May 2019 22:48

Tgt Ion:106 Resp: 159445
Ion Ratio Lower Upper
106 100
91 218.0 109.5 328.4





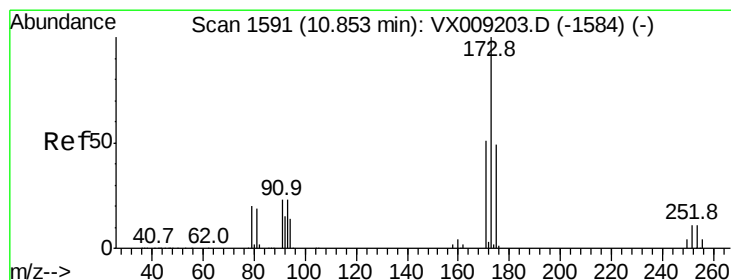
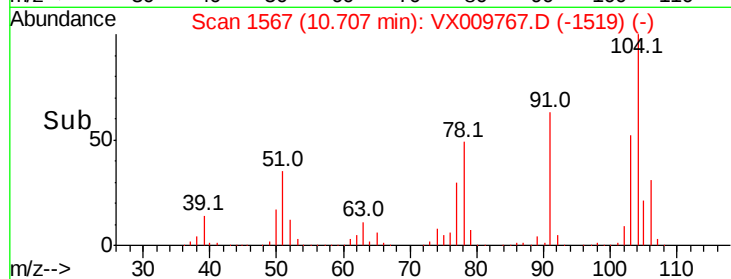
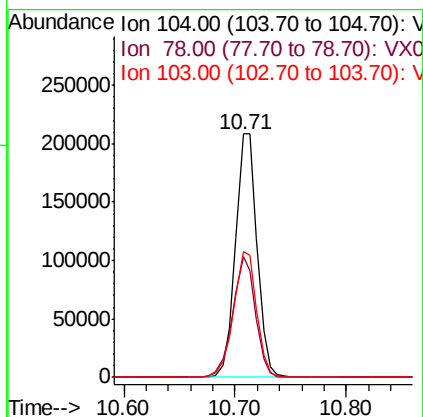
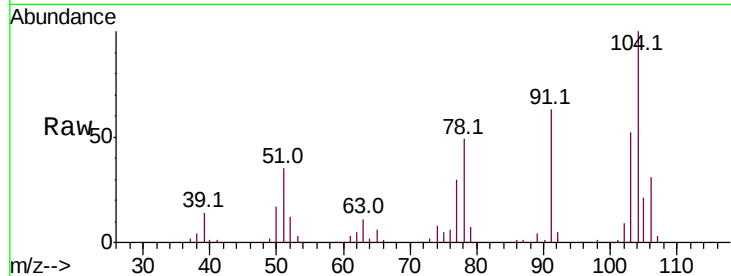
#70
Stvrene
Concen: 50.285 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009767.D
Acq: 21 May 2019 22:48

Instrument :
MSVOA_X
ClientSampleId :
S73-0229MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.9	41.0	61.4
103	55.0	43.8	65.6

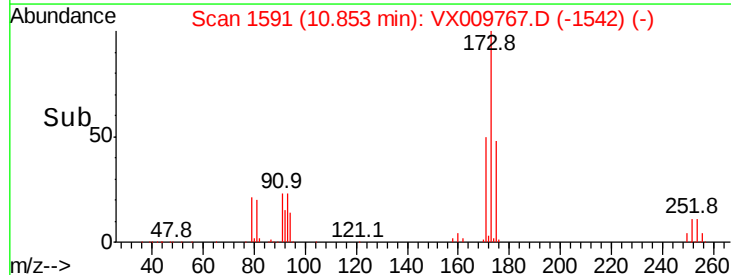
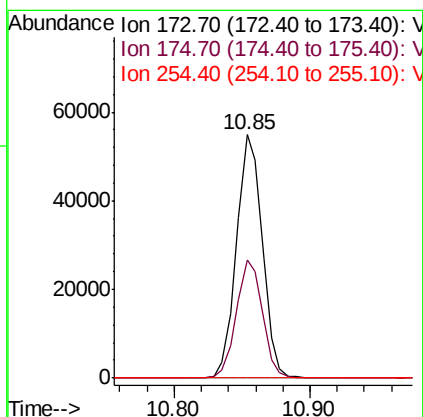
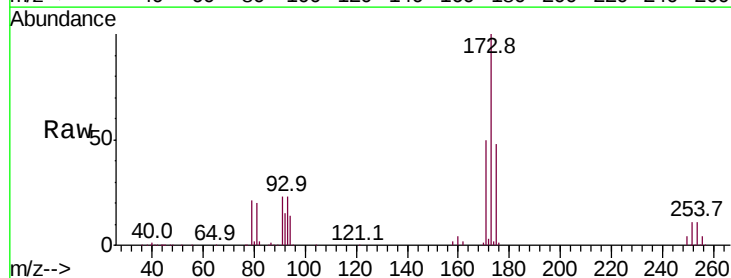
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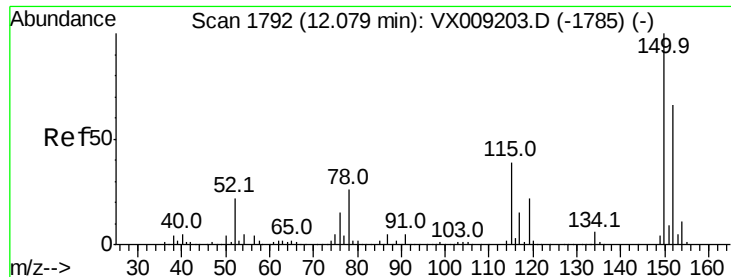
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#71
Bromoform
Concen: 51.190 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX009767.D
Acq: 21 May 2019 22:48

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.5	73.5
254	0.1	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009767.D

Acq: 21 May 2019 22:48

Instrument :

MSVOA_X

ClientSampleId :

S73-0229MSD

Tot Ion:152 Resp: 117983

Ion Ratio Lower Upper

152 100

115 81.8 41.2 123.6

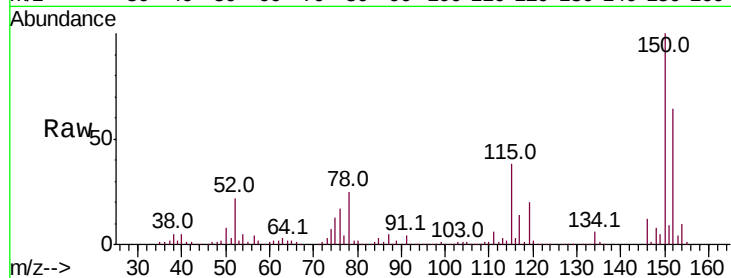
150 172.9 0.0 346.4

Manual Integrations

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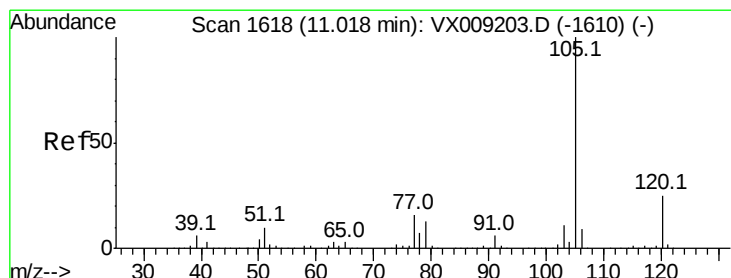
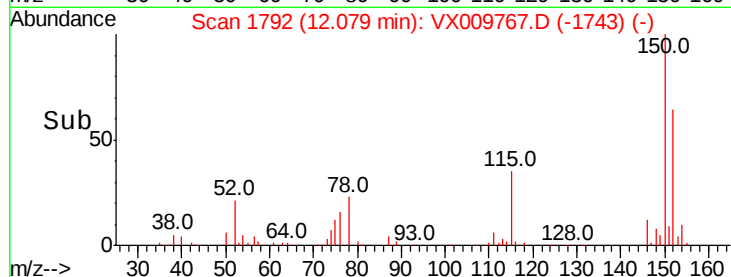
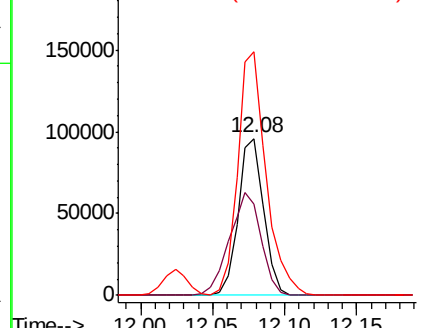
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 48.887 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009767.D

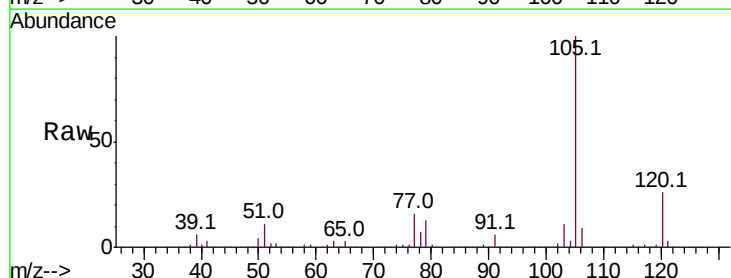
Acq: 21 May 2019 22:48

Tgt Ion:105 Resp: 419434

Ion Ratio Lower Upper

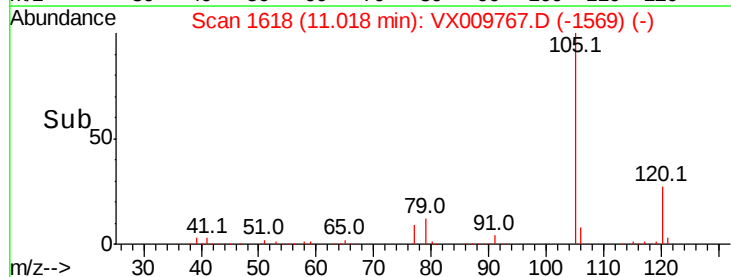
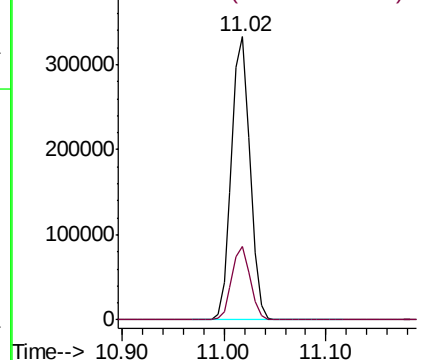
105 100

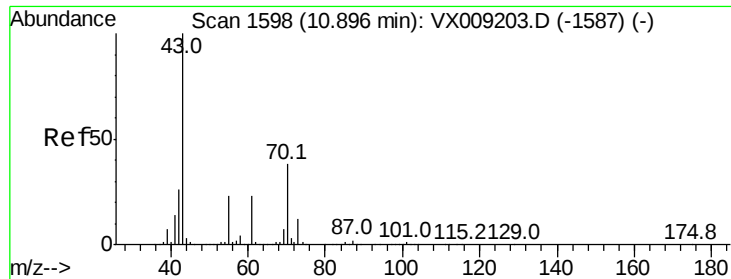
120 25.8 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 44.384 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009767.D

Acq: 21 May 2019 22:48

Instrument :

MSVOA_X

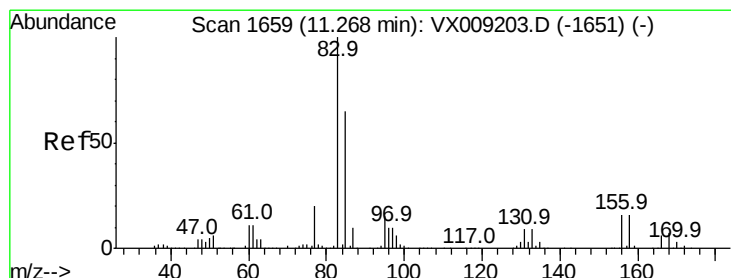
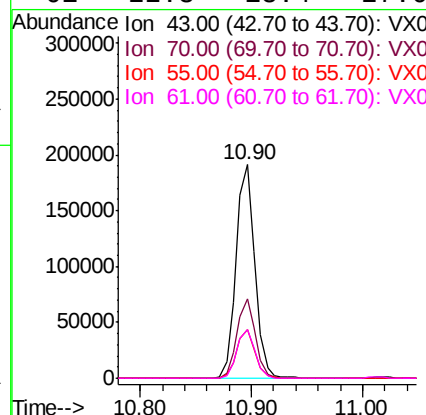
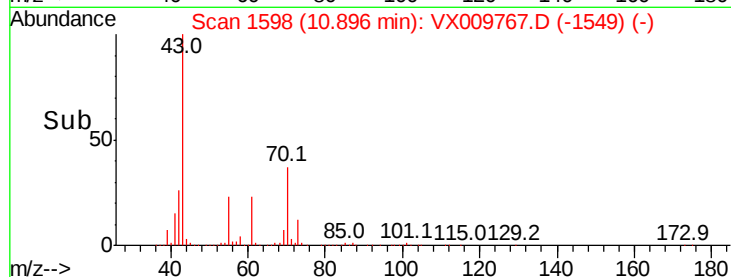
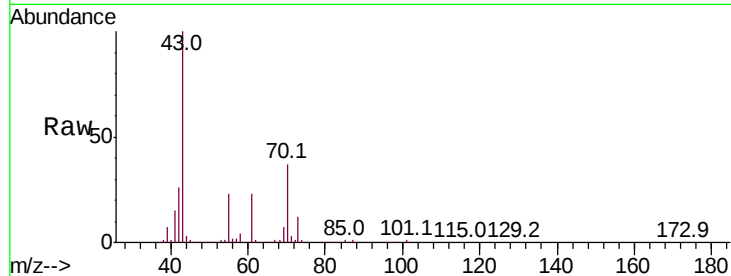
ClientSampleId :

S73-0229MSD

Tot Ion	43	Resp	222010
Ion Ratio	Lower	Upper	
43	100		
70	36.6	30.0	45.0
55	22.4	17.9	26.9
61	22.3	18.4	27.6

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#75

1,1,2,2-Tetrachloroethane

Concen: 49.420 ug/l

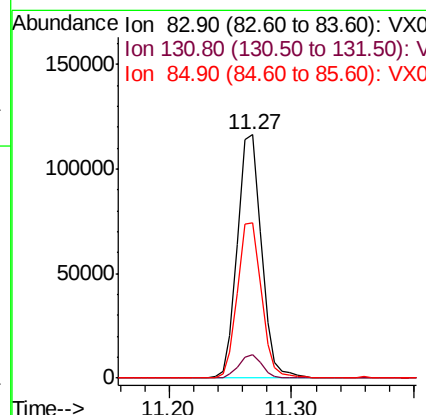
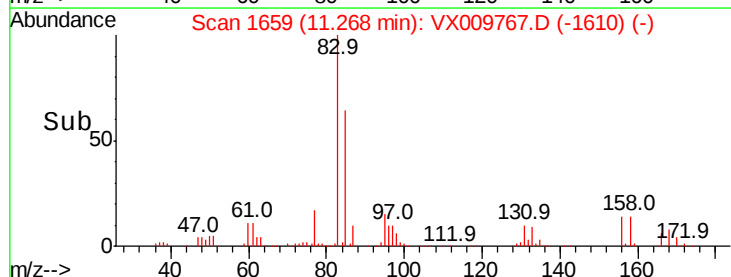
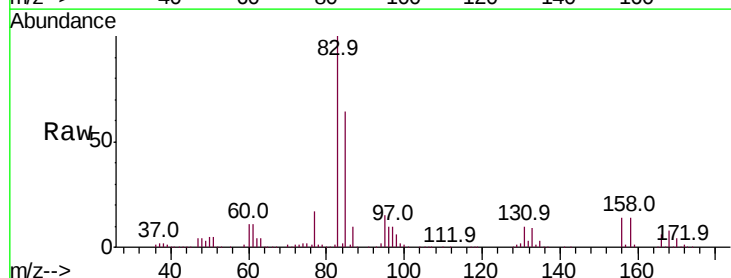
RT: 11.27 min Scan# 1659

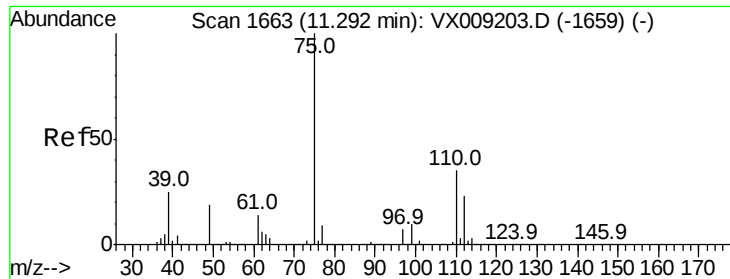
Delta R.T. 0.00 min

Lab File: VX009767.D

Acq: 21 May 2019 22:48

Tgt Ion	83	Resp	158061
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.6	13.8
85	64.1	32.0	96.2





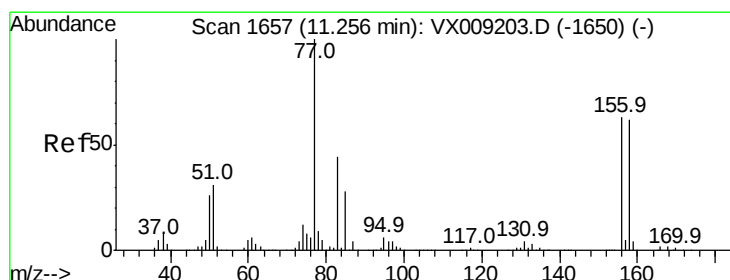
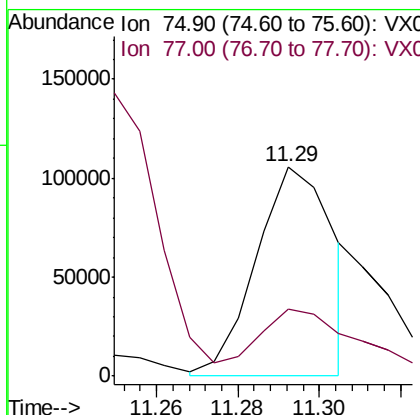
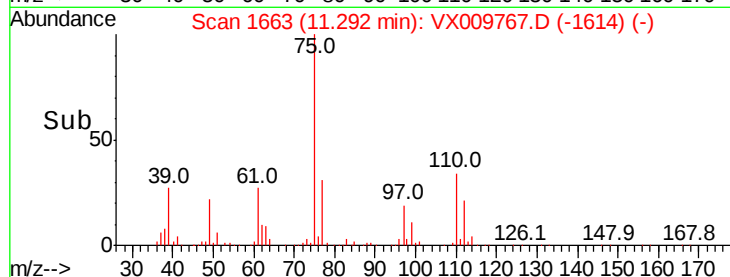
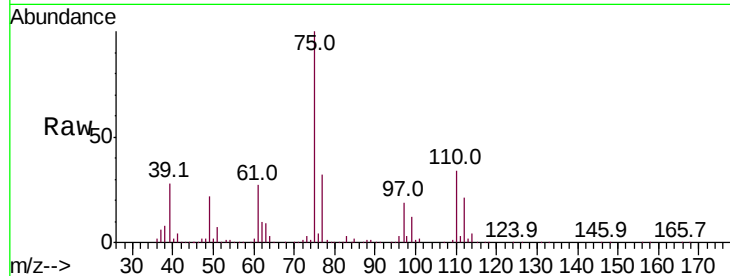
#76
1,2,3-Trichloropropane
Concen: 50.571 ug/l m
RT: 11.29 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VX009767.D
Acq: 21 May 2019 22:48

Instrument :
MSVOA_X
ClientSampleId :
S73-0229MSD

Tot Ion: 75 Resp: 138403
Ion Ratio Lower Upper
75 100
77 42.0 22.1 66.1

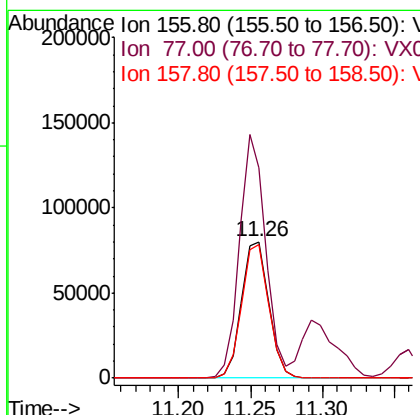
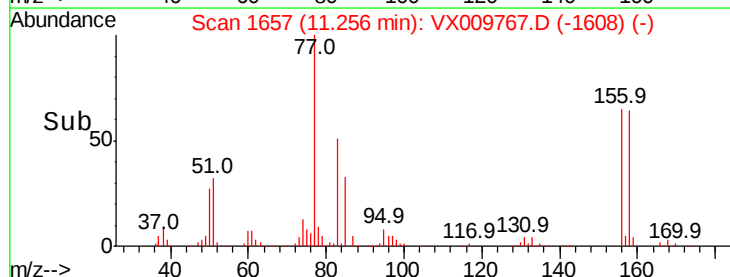
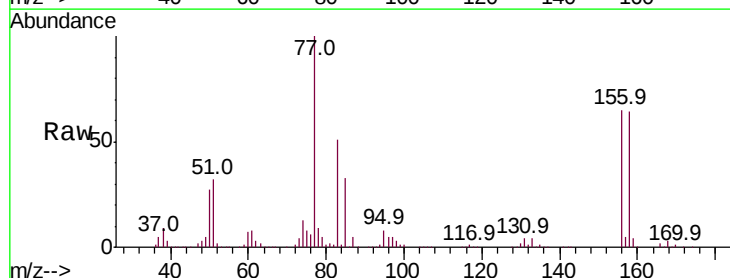
Manual Integrations
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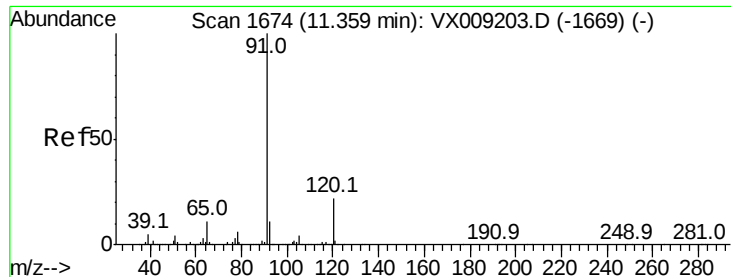
MMDadoda
5/22/2019 10:40:01 AM



#77
Bromobenzene
Concen: 49.637 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VX009767.D
Acq: 21 May 2019 22:48

Tgt Ion: 156 Resp: 105702
Ion Ratio Lower Upper
156 100
77 170.3 84.8 254.3
158 97.0 49.1 147.3





#78

n-propylbenzene

Concen: 49.410 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009767.D

Acq: 21 May 2019 22:48

Instrument :

MSVOA_X

ClientSampleId :

S73-0229MSD

Tot Ion: 91 Resp: 484136

Ion Ratio Lower Upper

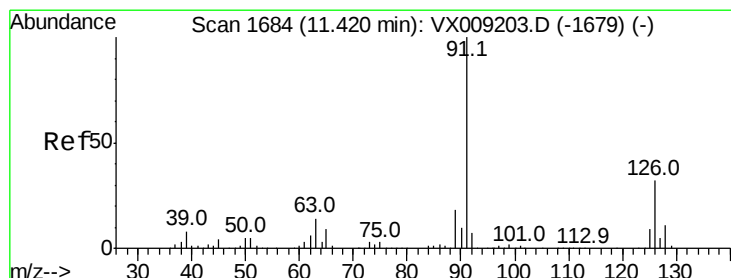
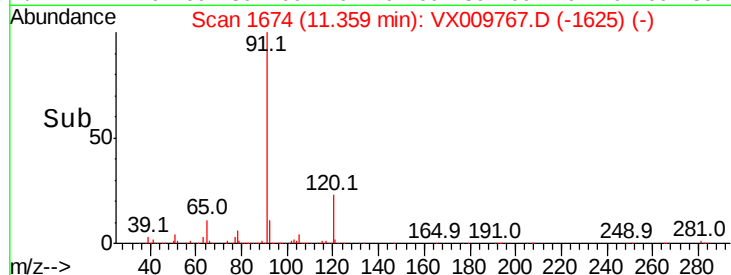
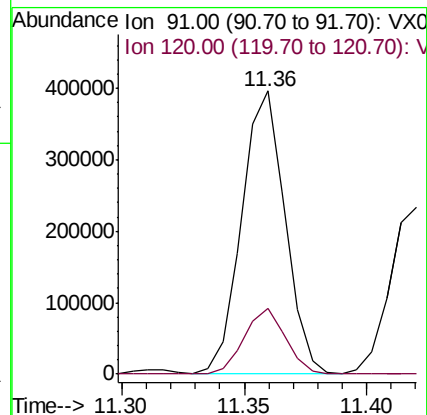
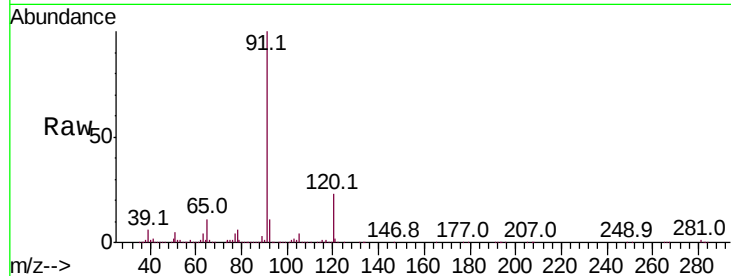
91 100

120 22.4 11.0 33.0

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5/22/2019 10:40:01 AM



#79

2-Chlorotoluene

Concen: 48.254 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009767.D

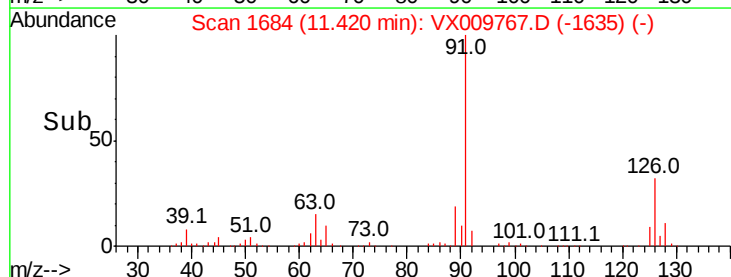
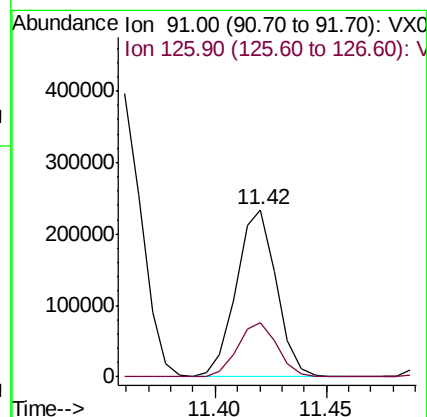
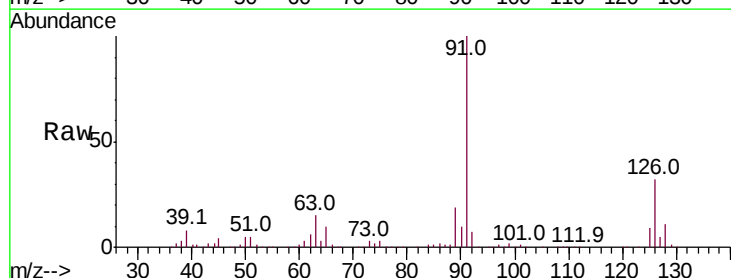
Acq: 21 May 2019 22:48

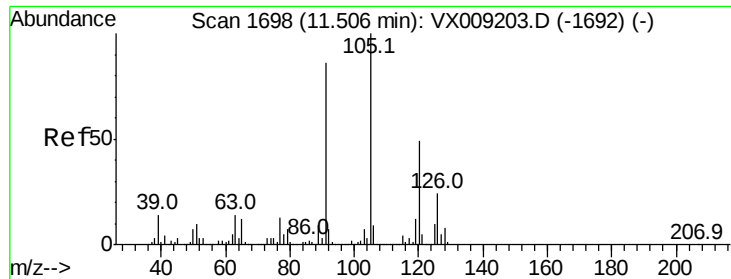
Tgt Ion: 91 Resp: 291698

Ion Ratio Lower Upper

91 100

126 32.5 16.3 48.9





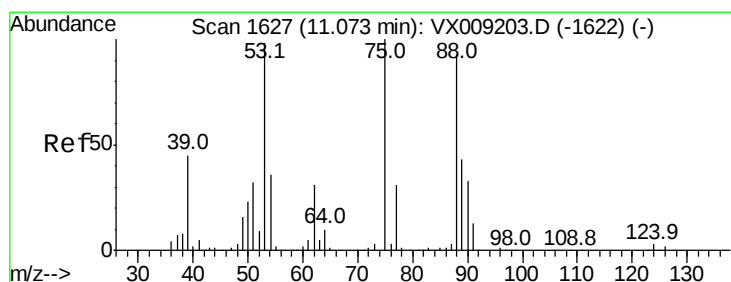
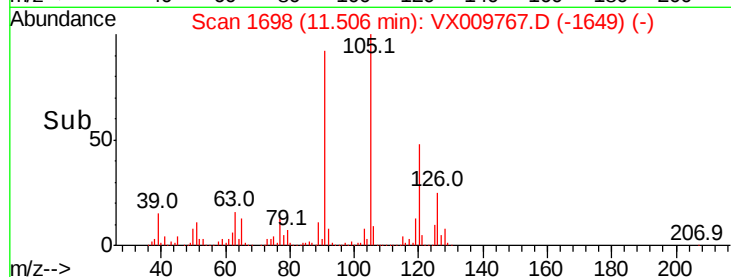
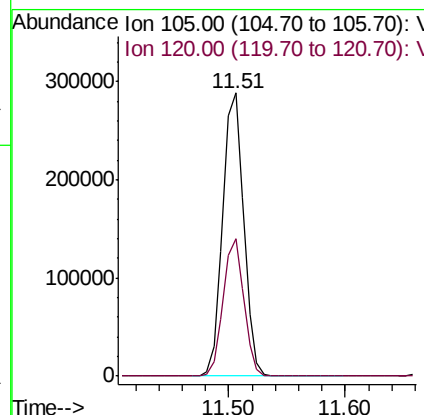
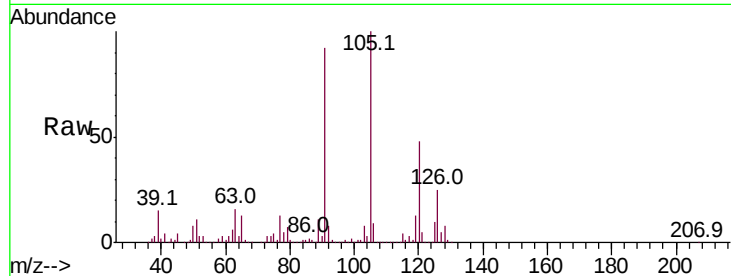
#80
 1,3,5-Trimethylbenzene
 Concen: 49.400 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX009767.D
 Acq: 21 May 2019 22:48

Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0229MSD

Tot Ion:105 Resp: 356869
 Ion Ratio Lower Upper
 105 100
 120 47.7 24.3 72.9

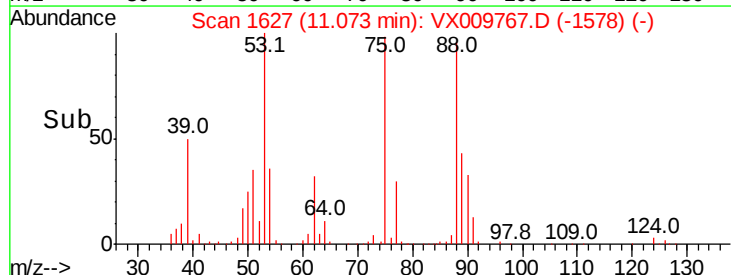
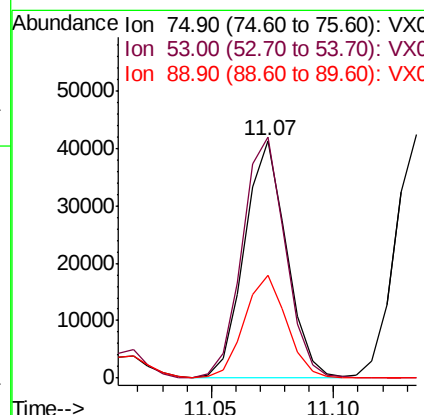
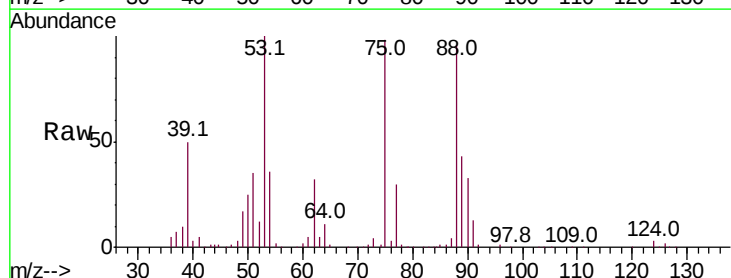
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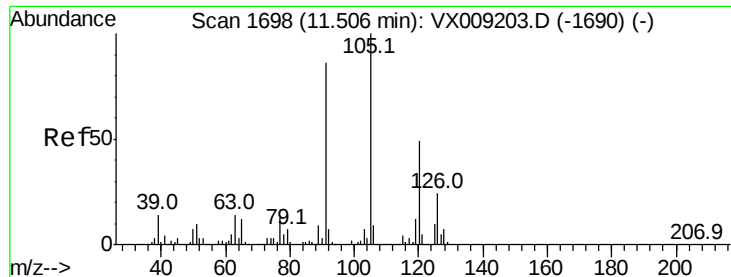
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 5/22/2019 10:40:01 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 46.045 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VX009767.D
 Acq: 21 May 2019 22:48

Tgt Ion: 75 Resp: 49251
 Ion Ratio Lower Upper
 75 100
 53 104.1 79.0 118.6
 89 43.6 34.7 52.1





#82

4-Chlorotoluene

Concen: 49.013 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009767.D

Acq: 21 May 2019 22:48

Instrument :

MSVOA_X

ClientSampleId :

S73-0229MSD

Tot Ion: 91 Resp: 334722

Ion Ratio Lower Upper

91 100

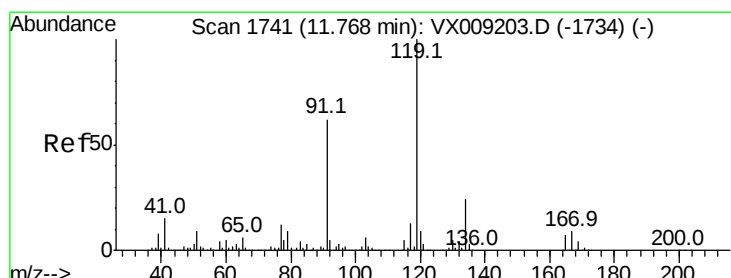
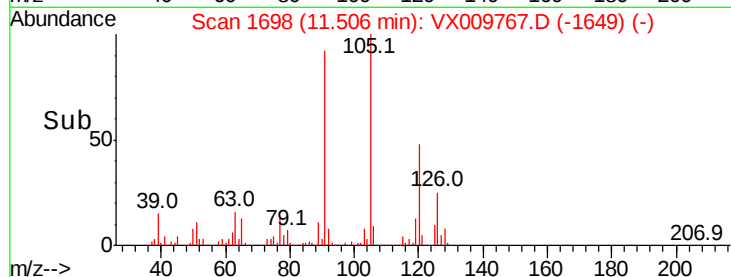
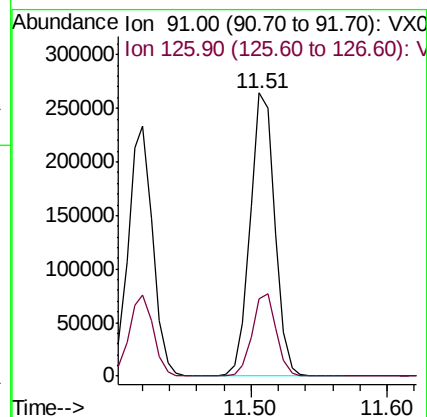
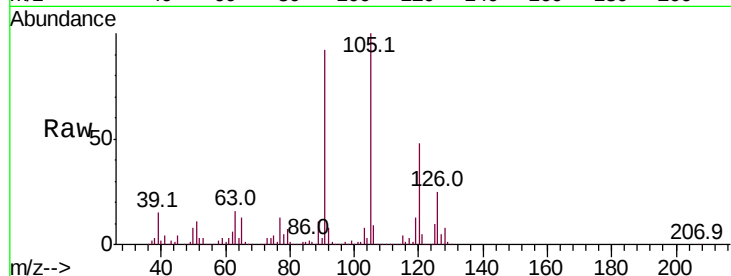
126 28.6 14.5 43.6

Manual Integrations

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#83

tert-Butylbenzene

Concen: 49.464 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX009767.D

Acq: 21 May 2019 22:48

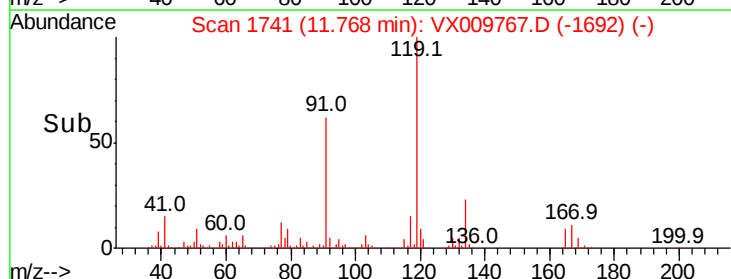
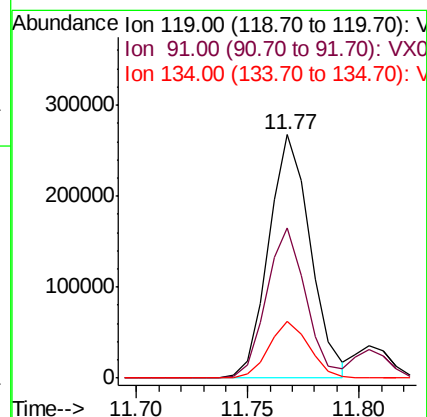
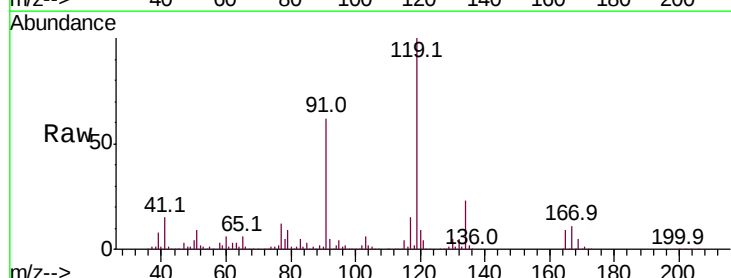
Tgt Ion: 119 Resp: 347611

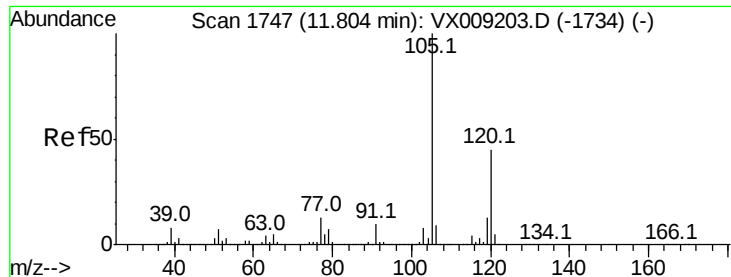
Ion Ratio Lower Upper

119 100

91 58.8 29.5 88.5

134 22.4 11.4 34.1





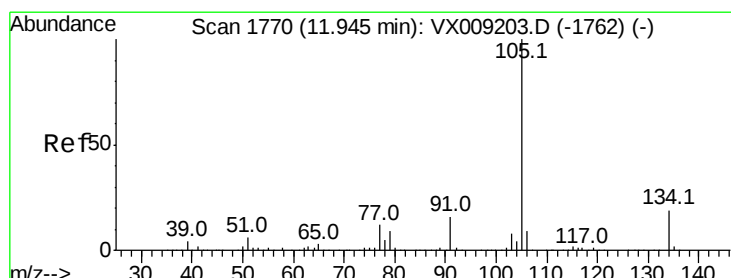
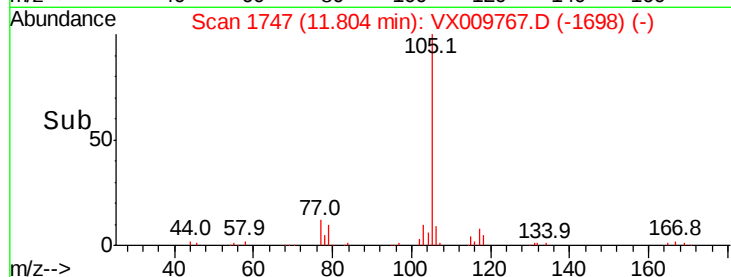
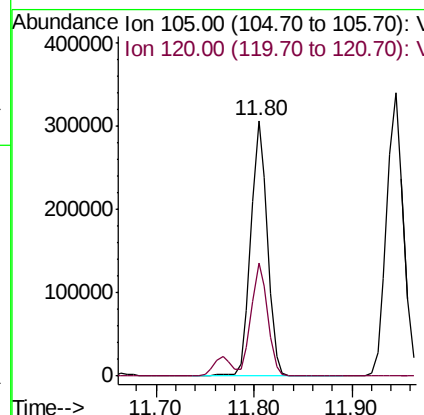
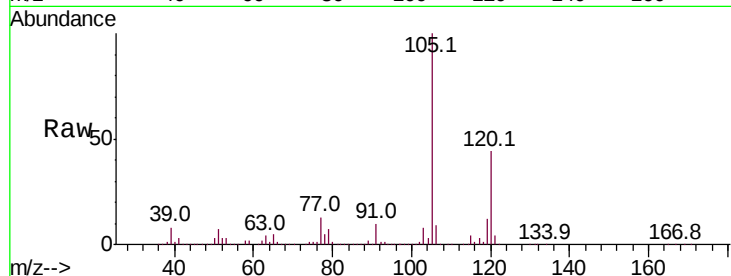
#84
 1,2,4-Trimethylbenzene
 Concen: 49.672 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX009767.D
 Acq: 21 May 2019 22:48

Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0229MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.0	66.0

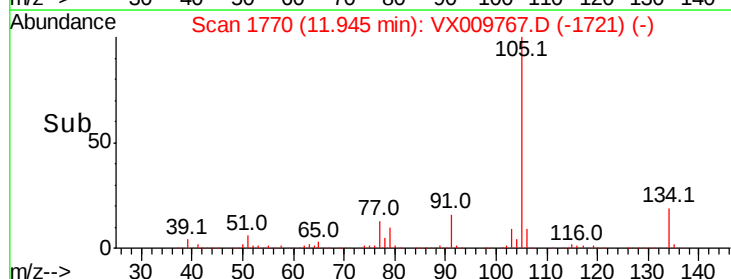
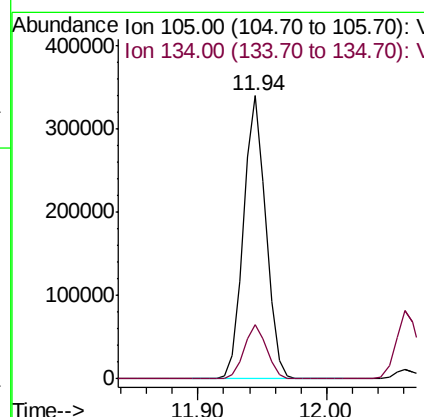
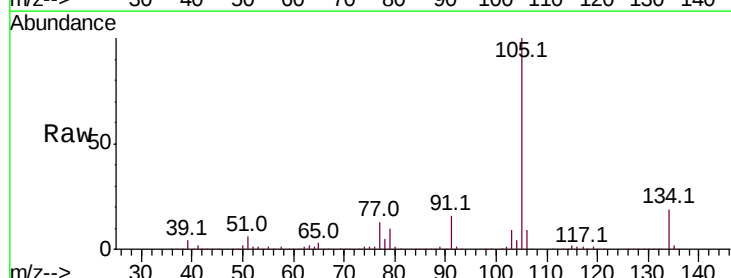
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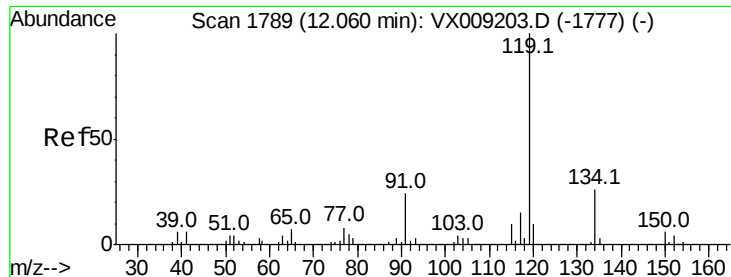
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 5/22/2019 10:40:01 AM



#85
 sec-Butylbenzene
 Concen: 48.802 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX009767.D
 Acq: 21 May 2019 22:48

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.7	28.9





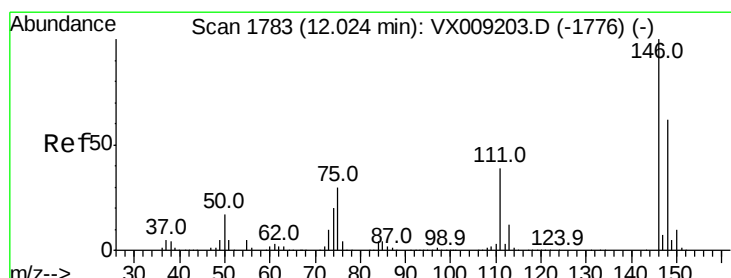
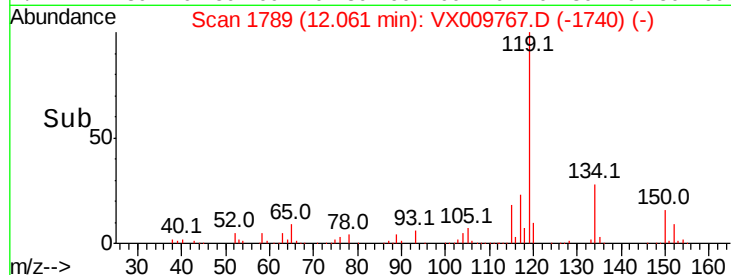
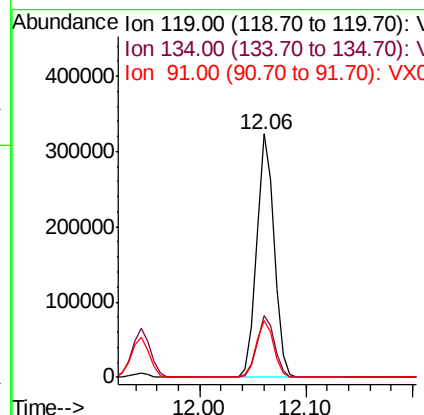
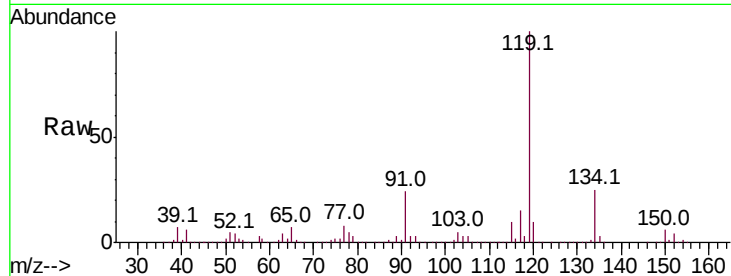
#86
 p-Isopropyltoluene
 Concen: 49.880 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX009767.D
 Acq: 21 May 2019 22:48

Instrument :
 MSVOA_X
 ClientSampled :
 S73-0229MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100			
134	25.5	12.9	38.7	
91	23.8	11.8	35.4	

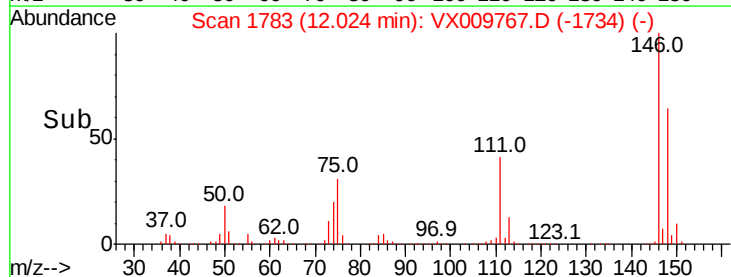
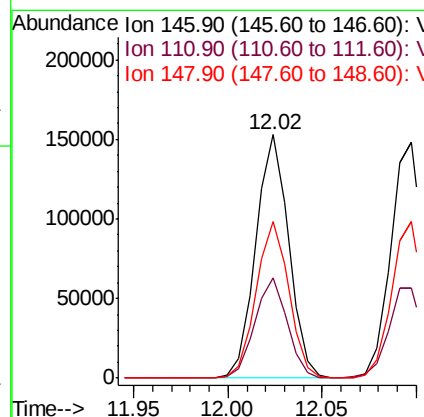
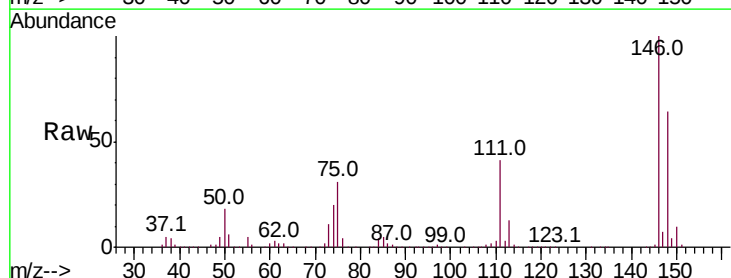
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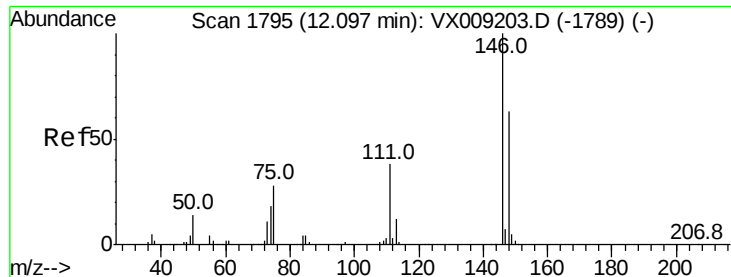
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 5/22/2019 10:40:01 AM



#87
 1,3-Dichlorobenzene
 Concen: 48.847 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009767.D
 Acq: 21 May 2019 22:48

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	40.7	20.0	59.9	
148	64.0	31.8	95.3	





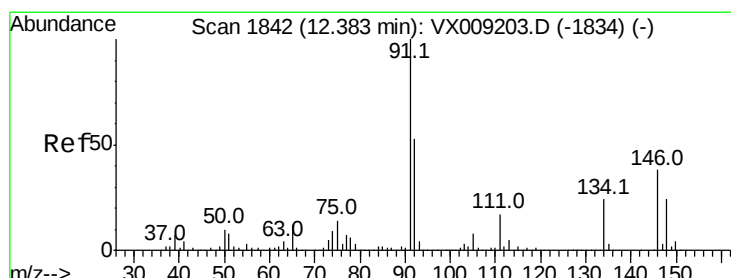
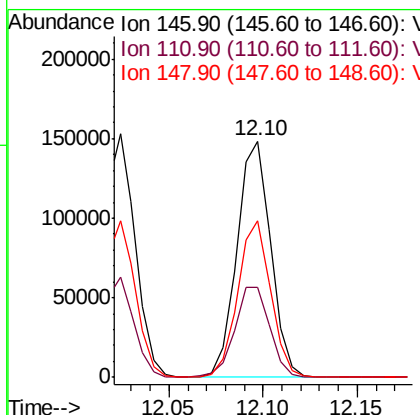
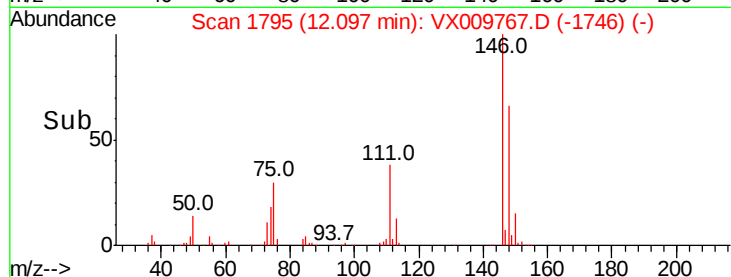
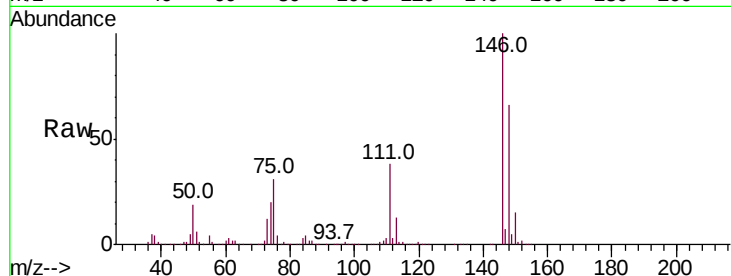
#88
 1,4-Dichlorobenzene
 Concen: 48.080 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009767.D
 Acq: 21 May 2019 22:48

Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0229MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.6	58.8
148	64.7	31.8	95.3

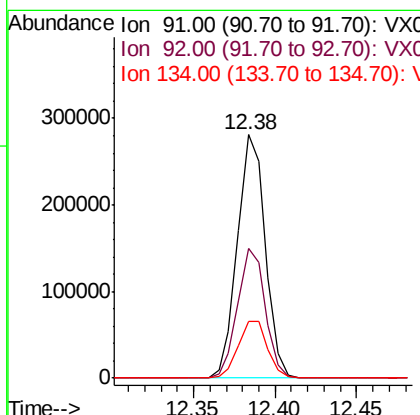
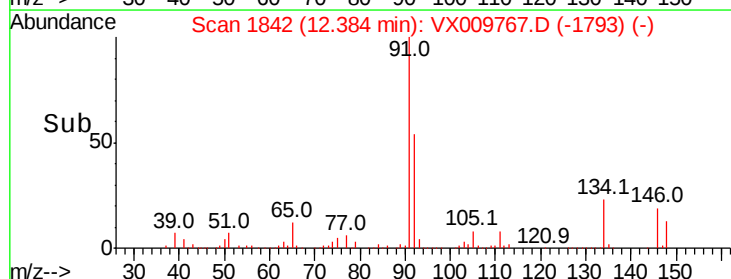
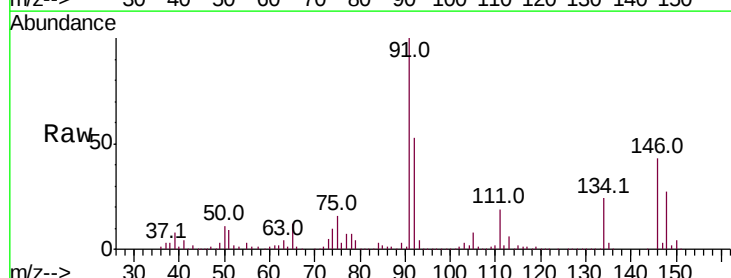
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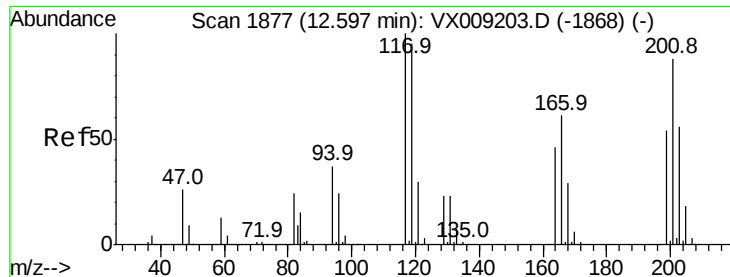
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#89
 n-Butylbenzene
 Concen: 49.539 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: VX009767.D
 Acq: 21 May 2019 22:48

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.5	79.5
134	24.7	12.4	37.2





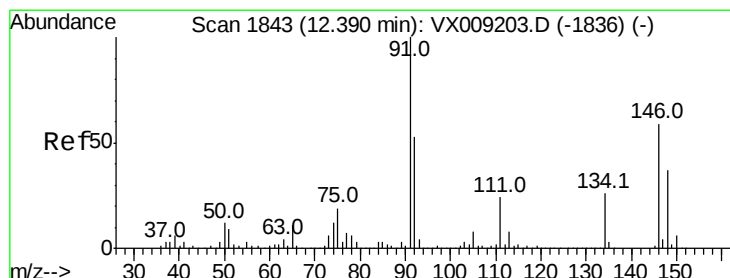
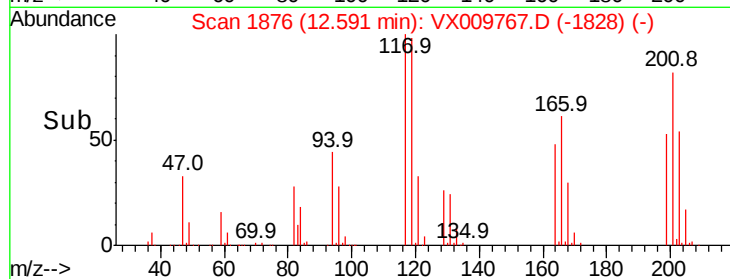
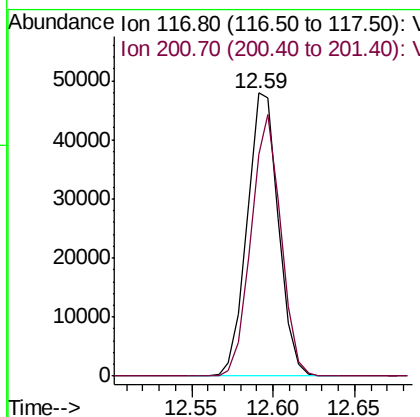
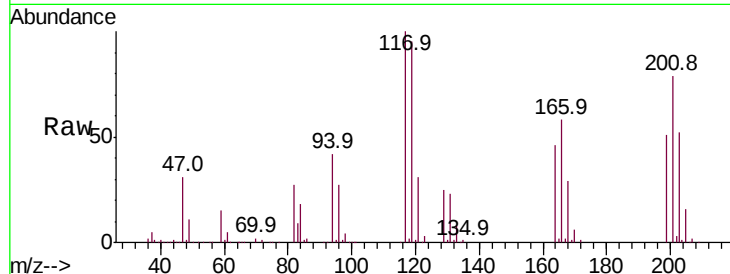
#90
Hexachloroethane
Concen: 50.247 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009767.D
Acq: 21 May 2019 22:48

Instrument :
MSVOA_X
ClientSampled :
S73-0229MSD

Tot Ion:117 Resp: 64118
Ion Ratio Lower Upper
117 100
201 87.6 42.3 126.9

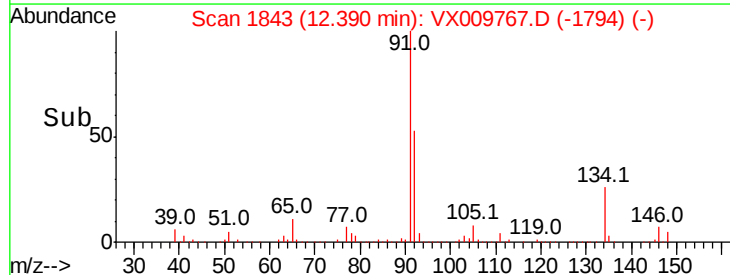
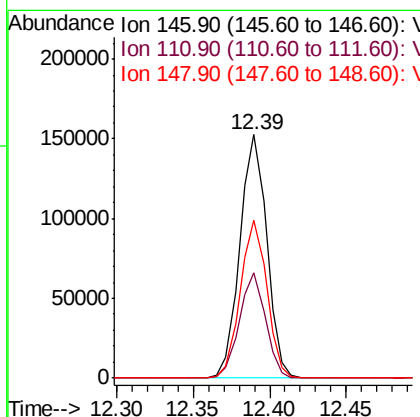
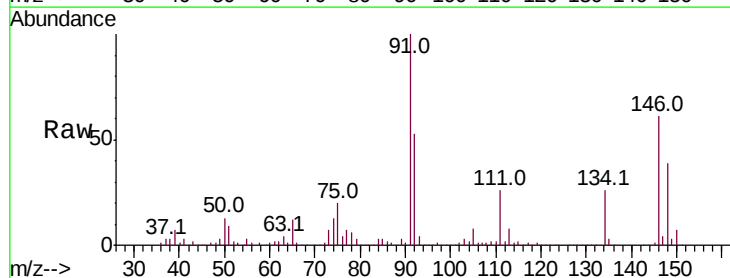
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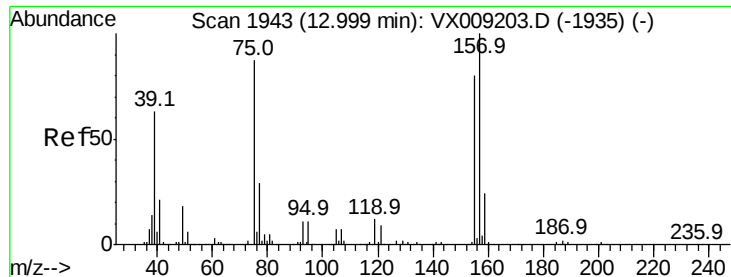
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#91
1,2-Dichlorobenzene
Concen: 48.148 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX009767.D
Acq: 21 May 2019 22:48

Tgt Ion:146 Resp: 186168
Ion Ratio Lower Upper
146 100
111 42.1 20.8 62.4
148 64.1 31.9 95.9





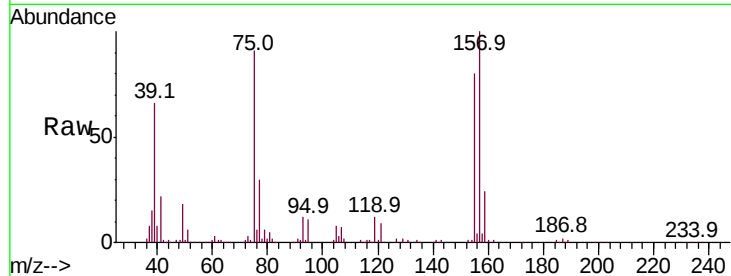
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.241 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009767.D
 Acq: 21 May 2019 22:48

Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0229MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	81.5	42.0	126.0
157	105.7	53.2	159.6

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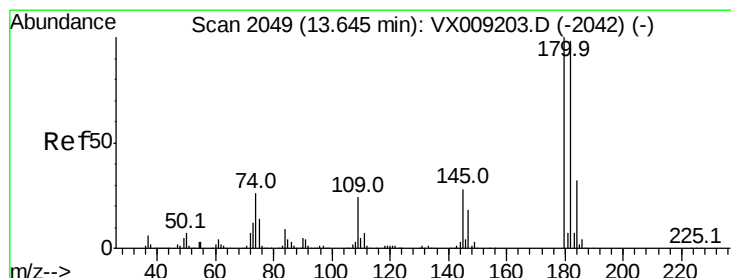
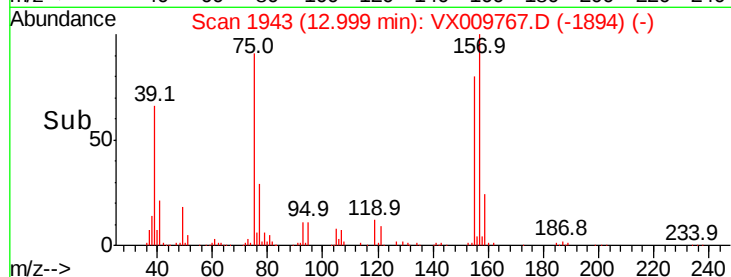
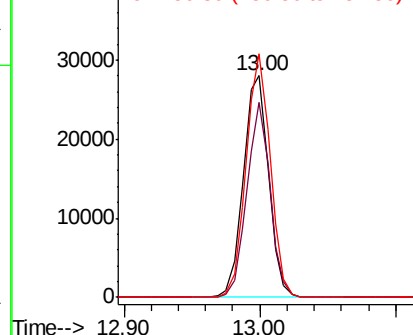


Abundance

Ion 74.90 (74.60 to 75.60): VX

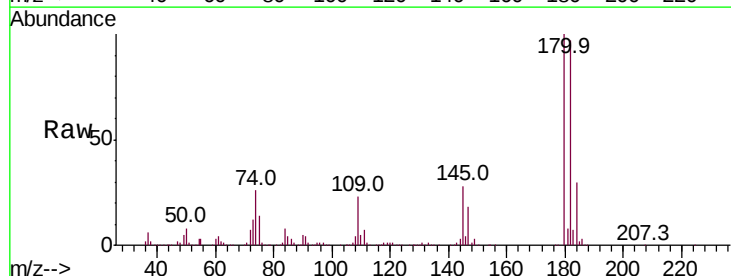
Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93
 1,2,4-Trichlorobenzene
 Concen: 48.857 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009767.D
 Acq: 21 May 2019 22:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.4	145.2
145	29.9	14.6	43.8

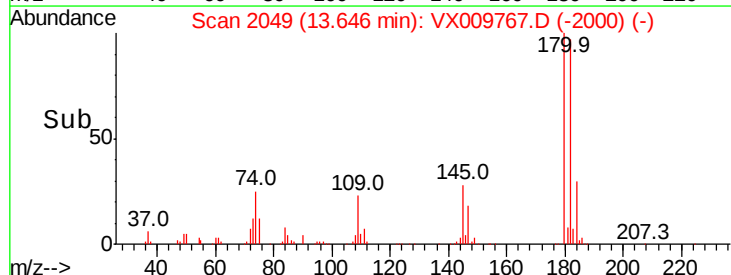
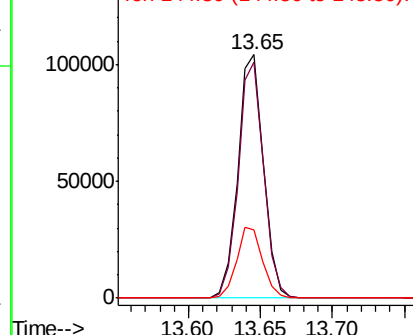


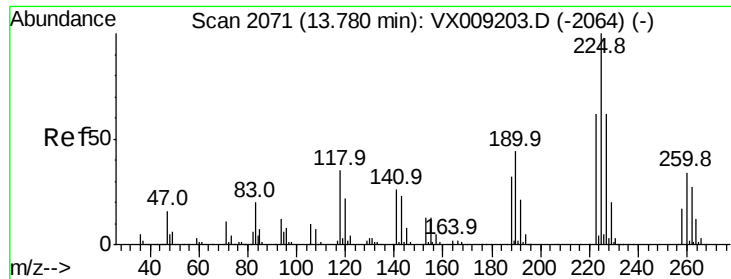
Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 48.361 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX009767.D

Acq: 21 May 2019 22:48

Instrument :

MSVOA_X

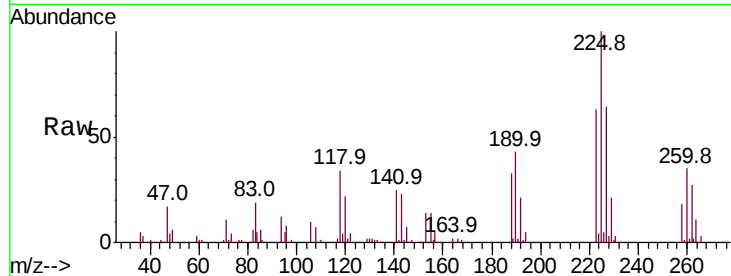
ClientSampleId :

S73-0229MSD

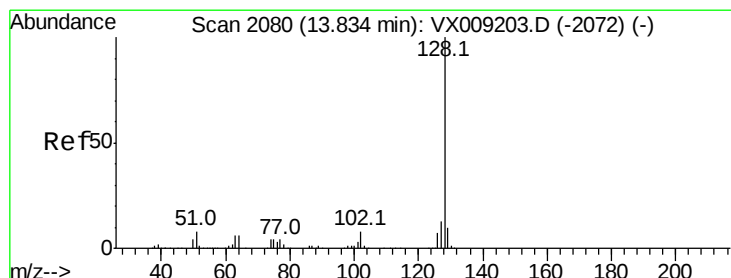
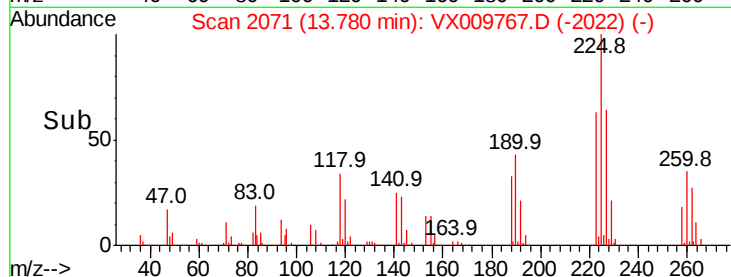
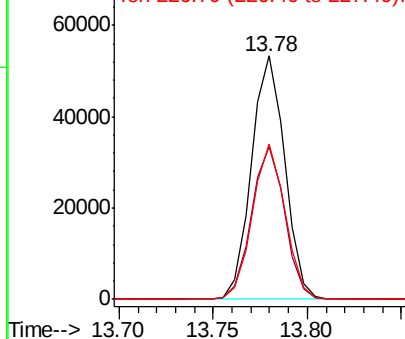
Tot Ion:	225	Resp:	65299
Ion Ratio	Lower	Upper	
225	100		
223	62.6	31.3	93.8
227	62.5	31.8	95.3

Manual Integrations
APPROVED

MMDadoda
5/22/2019 10:40:01 AM



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 49.525 ug/l

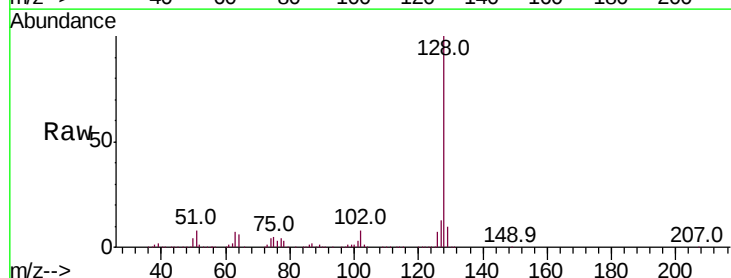
RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

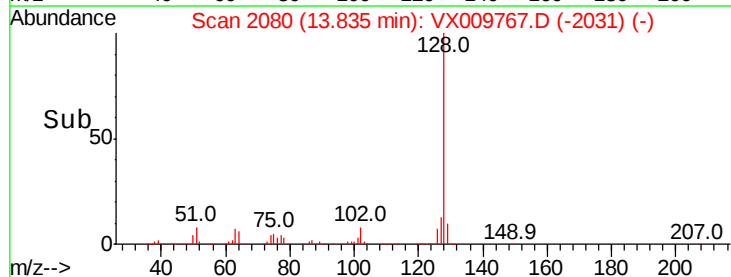
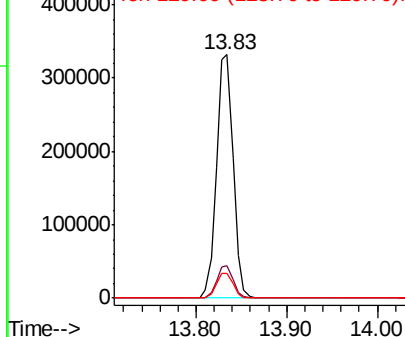
Lab File: VX009767.D

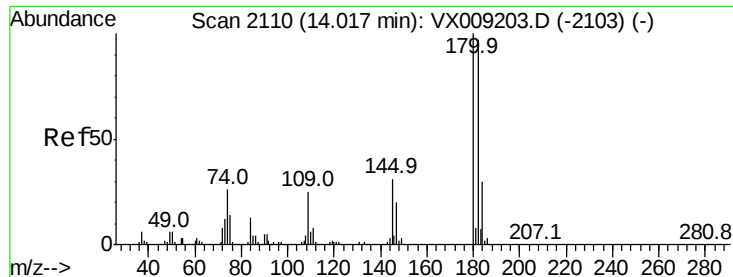
Acq: 21 May 2019 22:48

Tgt Ion:	128	Resp:	426036
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.7	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 49.017 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX009767.D
 Acq: 21 May 2019 22:48

Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0229MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	96.0	47.8	143.4
145	31.7	15.4	46.4

Manual Integrations
 APPROVED

MMDadoda
 5/22/2019 10:40:01 AM

