

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052219\
 Data File : VX009820.D
 Acq On : 22 May 2019 22:34
 Operator : JC/SP
 Sample : VX0522MBS02
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522MBS02

Manual Integrations
 APPROVED

MMDadoda
 5/23/2019 10:38:34 AM

Quant Time: May 23 08:25:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	173457	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	278971	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	252360	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	123392	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	110774	46.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.56%	
35) Dibromofluoromethane	5.50	113	79056	45.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.16%	
50) Toluene-d8	8.71	98	321394	45.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.78%	
62) 4-Bromofluorobenzene	11.13	95	114099	44.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	24472	15.310	ug/l	96
3) Chloromethane	1.32	50	37701	17.276	ug/l	100
4) Vinyl Chloride	1.41	62	36985	17.380	ug/l	95
5) Bromomethane	1.64	94	24305	19.029	ug/l	95
6) Chloroethane	1.72	64	22628	16.562	ug/l	95
7) Trichlorofluoromethane	1.93	101	44645	17.260	ug/l	99
8) Diethyl Ether	2.19	74	20024	16.343	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.38	101	26937	16.583	ug/l	99
10) Methyl Iodide	2.51	142	26635	17.410	ug/l	99
11) Tert butyl alcohol	3.04	59	56162	102.465	ug/l	98
12) 1,1-Dichloroethene	2.37	96	27722	17.033	ug/l	93
13) Acrolein	2.29	56	37840	76.231	ug/l	99
14) Allyl chloride	2.73	41	67246	16.954	ug/l	99
15) Acrylonitrile	3.14	53	114115	85.150	ug/l	100
16) Acetone	2.45	43	101993	80.217	ug/l	99
17) Carbon Disulfide	2.57	76	79233	17.340	ug/l	99
18) Methyl Acetate	2.78	43	50092	16.566	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	106184	16.801	ug/l	99
20) Methylene Chloride	2.85	84	34041	16.535	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	30198	17.109	ug/l	91
22) Diisopropyl ether	3.85	45	134725	17.663	ug/l	92
23) Vinyl Acetate	3.81	43	586337	89.769	ug/l	99
24) 1,1-Dichloroethane	3.70	63	63643	16.914	ug/l	99
25) 2-Butanone	4.67	43	171070	86.582	ug/l	97
26) 2,2-Dichloropropane	4.59	77	39140	13.975	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	34821	16.528	ug/l	98
28) Bromochloromethane	5.01	49	32154	19.559	ug/l	98
29) Tetrahydrofuran	5.13	42	112515	88.495	ug/l	98
30) Chloroform	5.21	83	57332	16.846	ug/l	98
31) Cyclohexane	5.58	56	61452	17.554	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	47354	16.715	ug/l	99
36) 1,1-Dichloropropene	5.80	75	43843	16.911	ug/l	98
37) Ethyl Acetate	4.84	43	63975	17.711	ug/l	100
38) Carbon Tetrachloride	5.79	117	39843	16.915	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	52869	16.605	ug/l	100
40) Benzene	6.14	78	137845	17.180	ug/l	99
41) Methacrylonitrile	5.04	41	36210	16.840	ug/l	99
42) 1,2-Dichloroethane	6.20	62	50626	17.590	ug/l	99
43) Isopropyl Acetate	6.45	43	99948	17.299	ug/l	99
44) Trichloroethene	7.21	130	32128	16.564	ug/l	100
45) 1,2-Dichloropropane	7.51	63	39166	17.239	ug/l	100
46) Dibromomethane	7.66	93	22356	16.945	ug/l	98
47) Bromodichloromethane	7.90	83	43843	16.660	ug/l	94
48) Methyl methacrylate	7.77	41	50116	17.483	ug/l	97
49) 1,4-Dioxane	7.74	88	19341	332.705	ug/l	94
51) 4-Methyl-2-Pentanone	8.64	43	334297	88.520	ug/l	98
52) Toluene	8.78	92	83034	17.025	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	48752	16.408	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	53557	16.285	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	33669	16.921	ug/l	99
56) Ethyl methacrylate	9.18	69	59832	16.845	ug/l	96
57) 1,3-Dichloropropane	9.37	76	58681	16.759	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	158494	84.116	ug/l	99
59) 2-Hexanone	9.49	43	257501	86.817	ug/l	98
60) Dibromochloromethane	9.58	129	31606	16.264	ug/l	100
61) 1,2-Dibromoethane	9.67	107	33594	16.726	ug/l	99
64) Tetrachloroethene	9.34	164	29735	17.177	ug/l	98
65) Chlorobenzene	10.14	112	85149	16.867	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	30224	16.514	ug/l	99
67) Ethyl Benzene	10.25	91	157338	16.935	ug/l	99
68) m/p-Xylenes	10.36	106	115793	34.105	ug/l	97
69) o-Xylene	10.70	106	55783	16.652	ug/l	97
70) Styrene	10.71	104	97211	16.696	ug/l	99
71) Bromoform	10.85	173	23494	15.796	ug/l #	99
73) Isopropylbenzene	11.02	105	151248	16.856	ug/l	100
74) N-amyl acetate	10.90	43	88152	16.851	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	55476	16.585	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	47836m	16.713	ug/l	
77) Bromobenzene	11.26	156	37017	16.621	ug/l	100
78) n-propylbenzene	11.36	91	171276	16.714	ug/l	100
79) 2-Chlorotoluene	11.42	91	103670	16.398	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	125853	16.658	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	15875	14.191	ug/l	91
82) 4-Chlorotoluene	11.51	91	120440	16.863	ug/l	99
83) tert-Butylbenzene	11.77	119	119205	16.219	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	126542	16.686	ug/l	100
85) sec-Butylbenzene	11.94	105	142807	16.389	ug/l	100
86) p-Isopropyltoluene	12.06	119	130396	16.646	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	64850	16.334	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	64846	16.200	ug/l	97
89) n-Butylbenzene	12.38	91	114351	16.151	ug/l	99
90) Hexachloroethane	12.60	117	20503	15.363	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	65430	16.180	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	12654	16.864	ug/l	96

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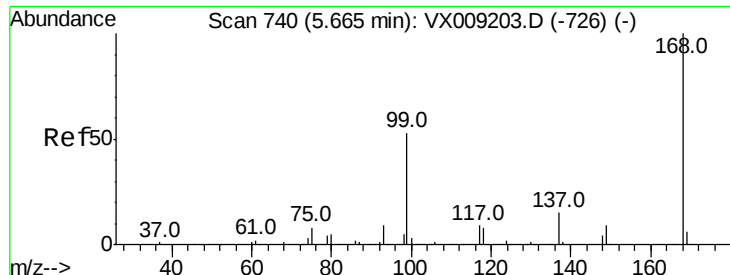
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	45343	16.397	uq/l	99
94) Hexachlorobutadiene	13.78	225	23244	16.460	uq/l	99
95) Naphthalene	13.83	128	148736	16.532	uq/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	47057	16.787	uq/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009820.D

Acq: 22 May 2019 22:34

Instrument :

MSVOA_X

ClientSampleId :

VX0522MBS02

Tot Ion:168 Resp: 173457

Ion Ratio Lower Upper

168 100

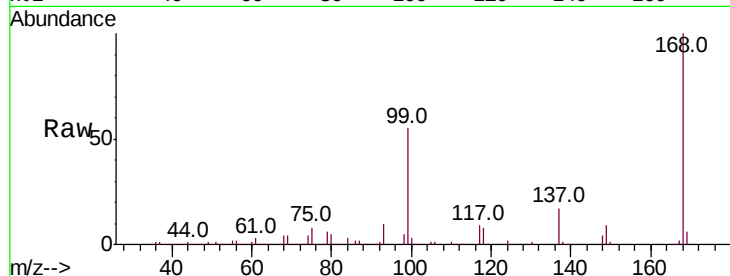
99 55.2 42.3 63.5

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Abundance Ion 167.90 (167.60 to 168.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

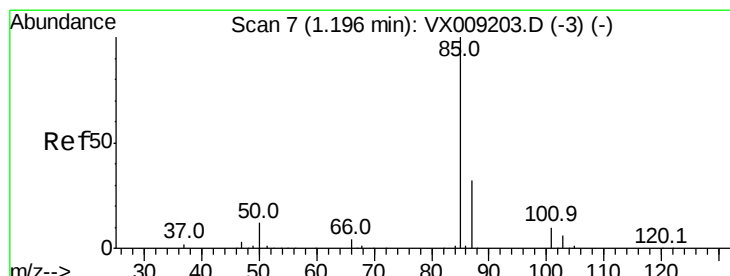
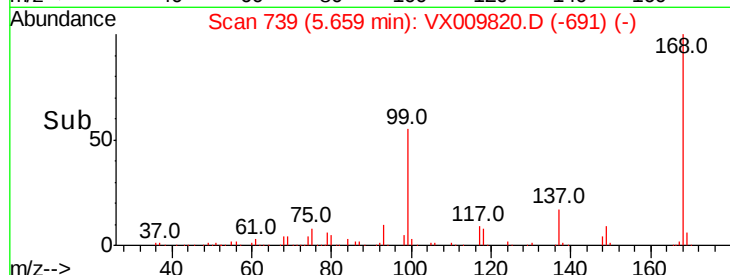
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#2

Dichlorodifluoromethane

Concen: 15.310 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009820.D

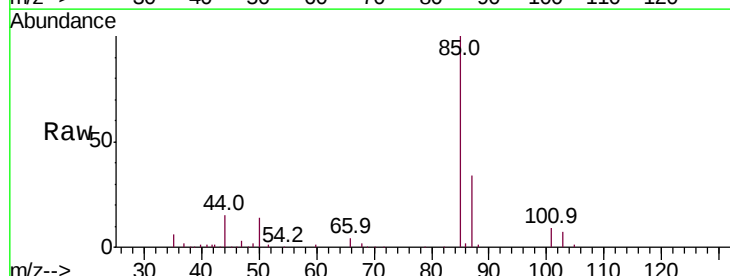
Acq: 22 May 2019 22:34

Tgt Ion: 85 Resp: 24472

Ion Ratio Lower Upper

85 100

87 34.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

25000

20000

15000

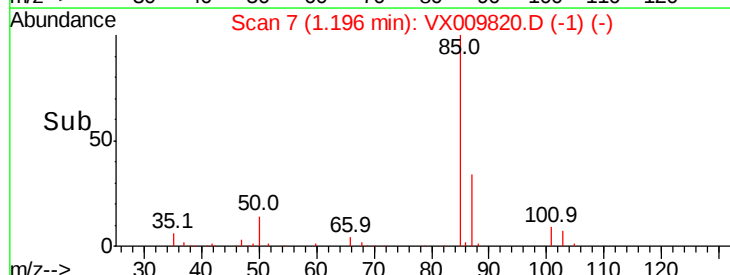
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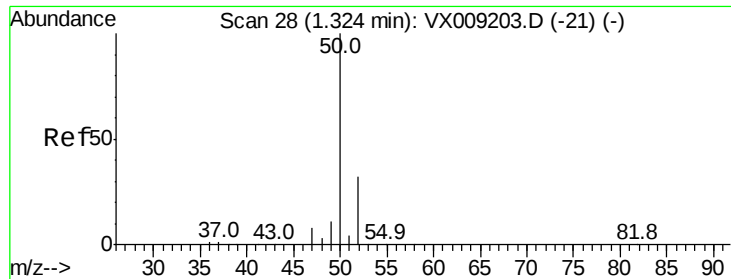
5000

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Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 17.276 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009820.D

Acq: 22 May 2019 22:34

Instrument :

MSVOA_X

ClientSampleId :

VX0522MBS02

Tot Ion: 50 Resp: 37701

Ion Ratio Lower Upper

50 100

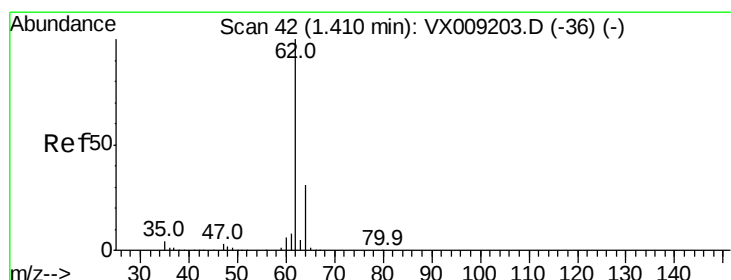
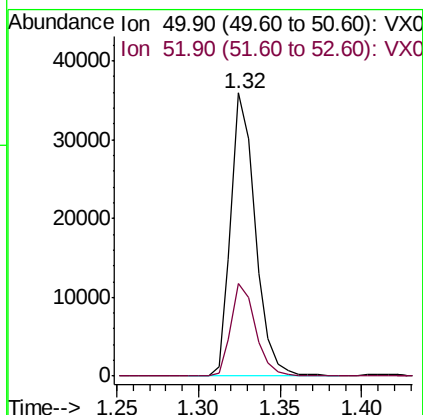
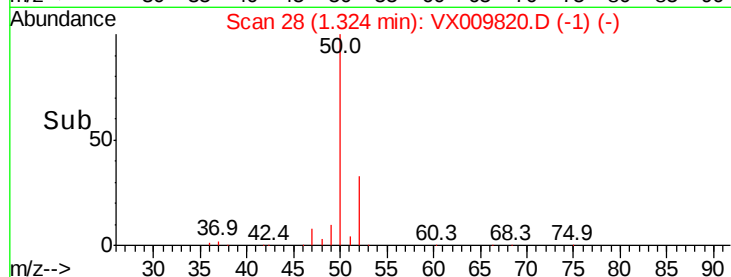
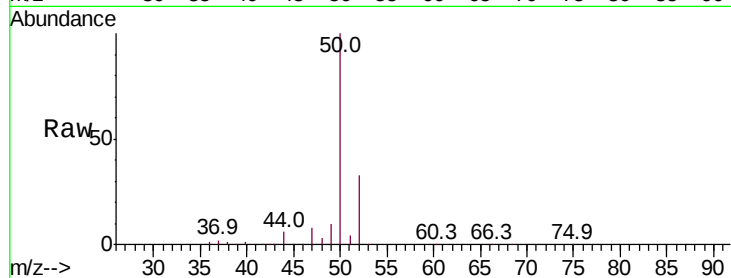
52 32.7 25.9 38.9

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#4

Vinyl Chloride

Concen: 17.380 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009820.D

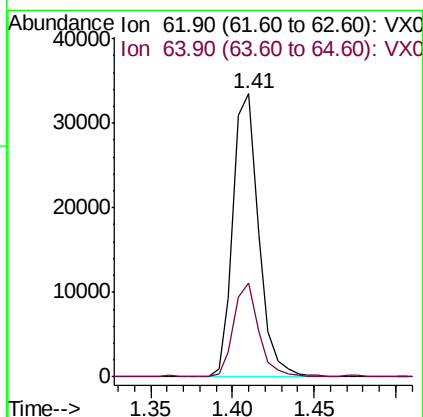
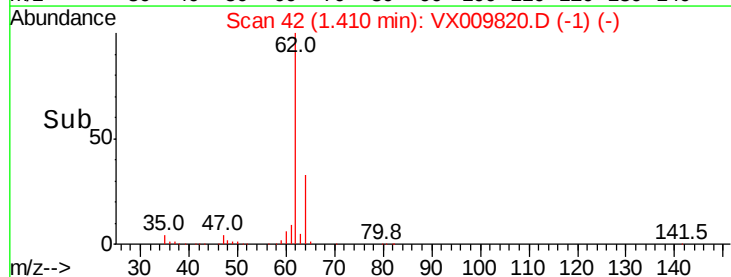
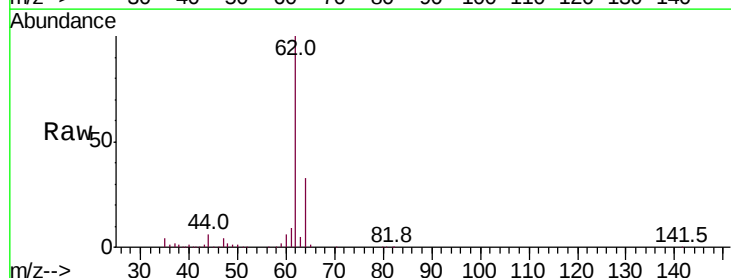
Acq: 22 May 2019 22:34

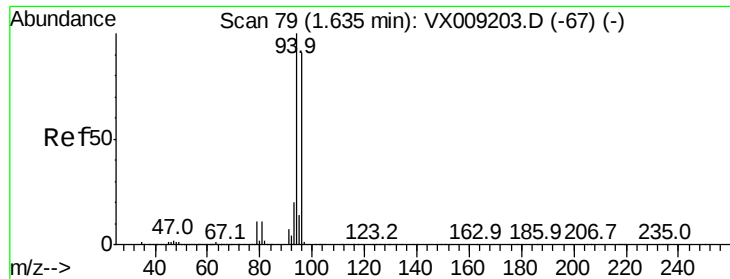
Tgt Ion: 62 Resp: 36985

Ion Ratio Lower Upper

62 100

64 33.3 24.6 36.8





#5

Bromomethane

Concen: 19.029 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009820.D

Acq: 22 May 2019 22:34

Instrument :

MSVOA_X

ClientSampleId :

VX0522MBS02

Tot Ion: 94 Resp: 24305

Ion Ratio Lower Upper

94 100

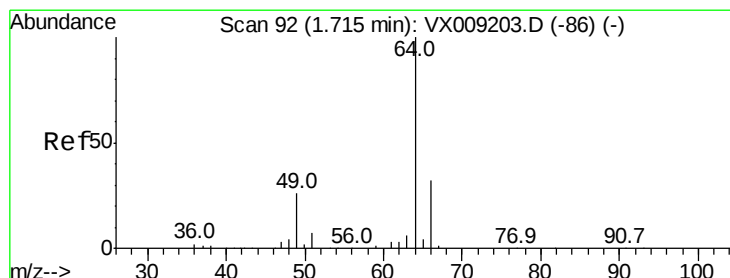
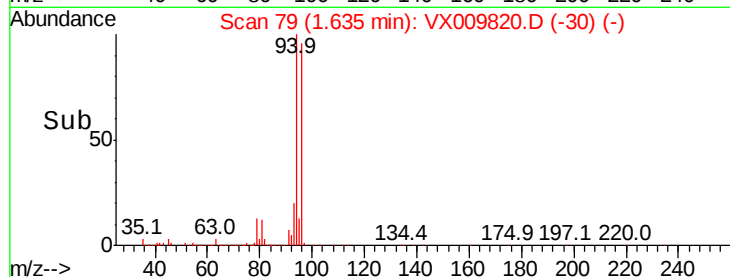
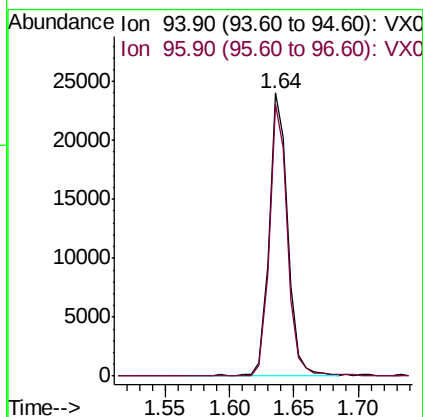
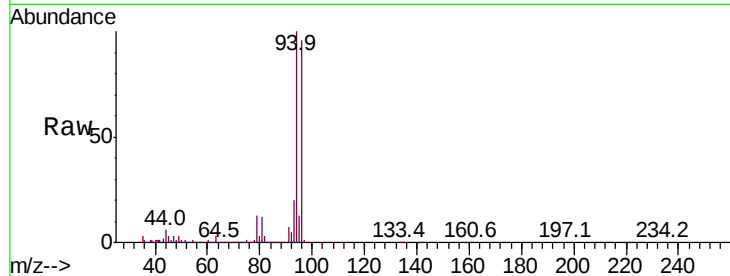
96 96.1 73.0 109.6

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#6

Chloroethane

Concen: 16.562 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009820.D

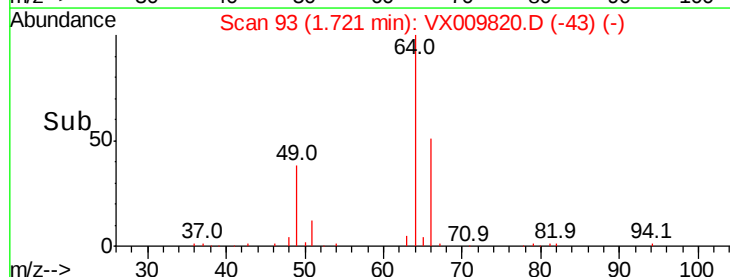
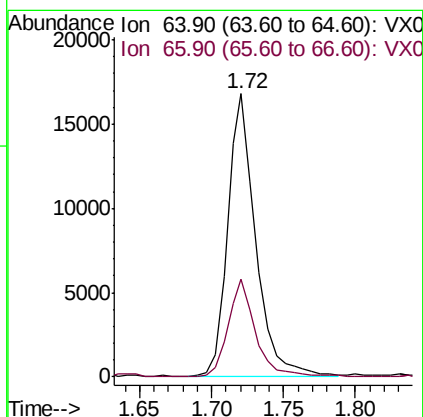
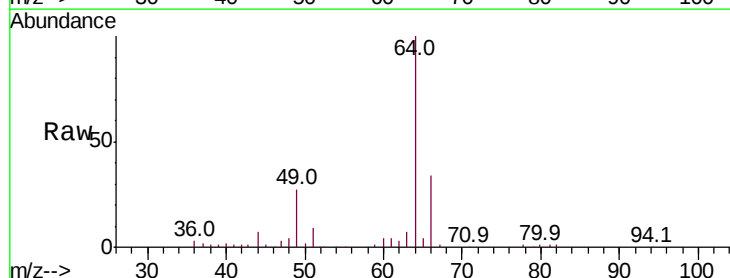
Acq: 22 May 2019 22:34

Tgt Ion: 64 Resp: 22628

Ion Ratio Lower Upper

64 100

66 34.5 25.3 37.9





#7

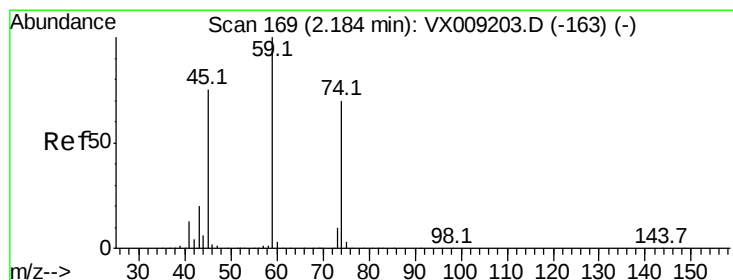
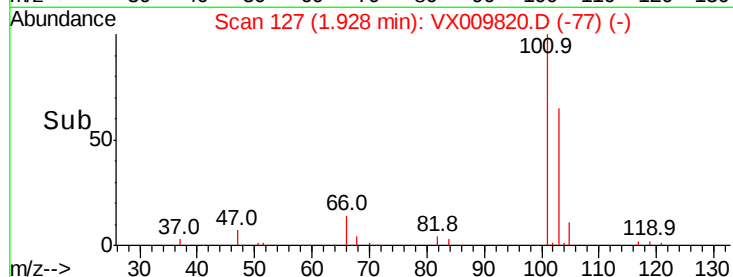
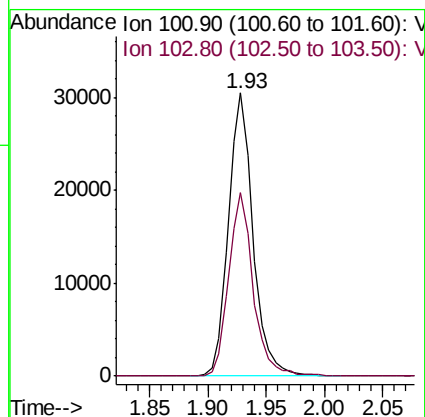
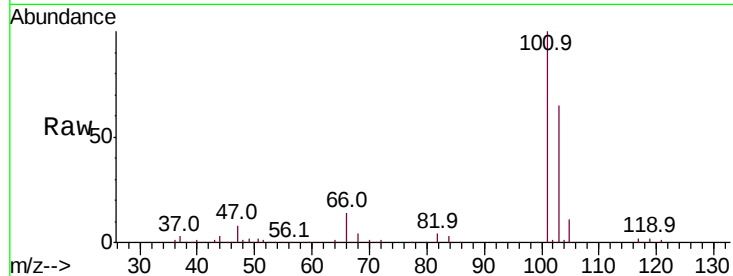
Trichlorofluoromethane
Concen: 17.260 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX009820.D
Acq: 22 May 2019 22:34

Instrument :
MSVOA_X
ClientSampleId :
VX0522MBS02

Tot Ion:101 Resp: 44645
Ion Ratio Lower Upper
101 100
103 64.6 52.4 78.6

Manual Integrations
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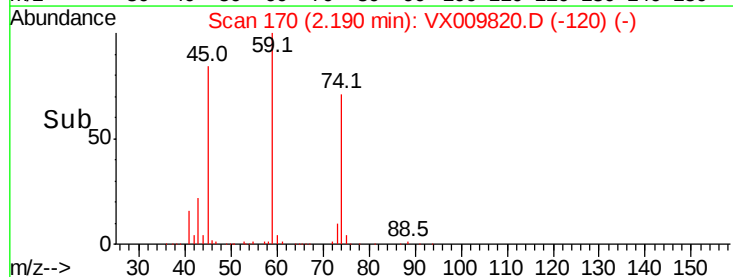
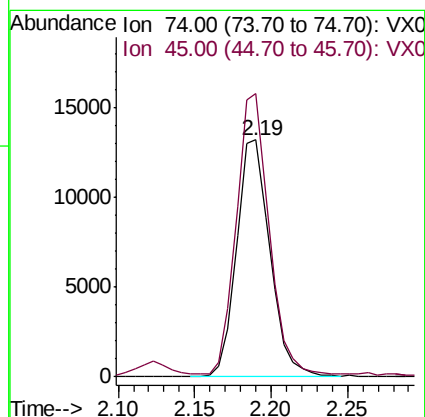
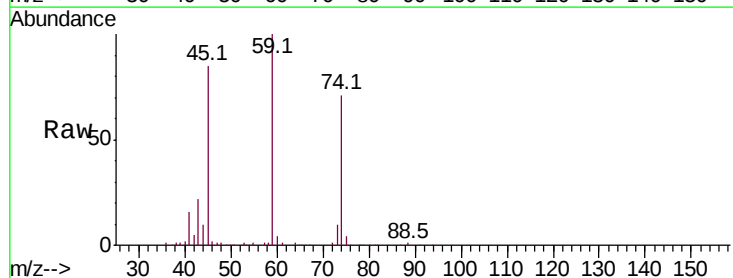
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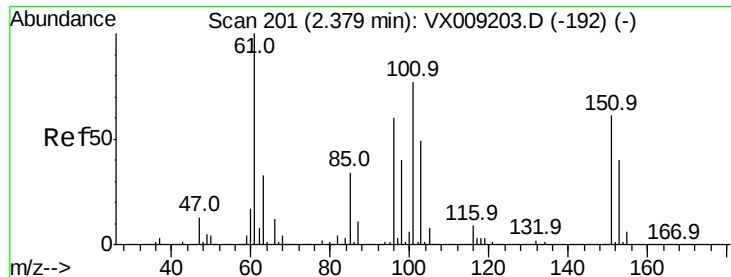


#8

Diethyl Ether
Concen: 16.343 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009820.D
Acq: 22 May 2019 22:34

Tgt Ion: 74 Resp: 20024
Ion Ratio Lower Upper
74 100
45 115.5 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.583 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009820.D

Acq: 22 May 2019 22:34

Instrument :

MSVOA_X

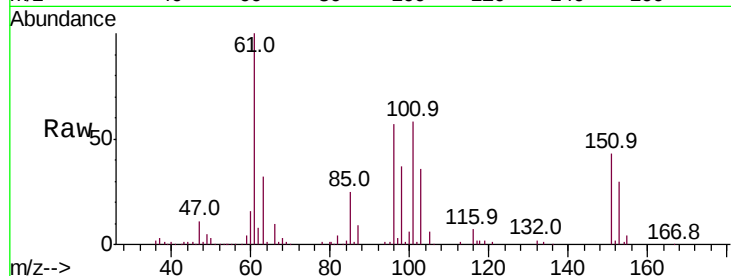
ClientSampleId :

VX0522MBS02

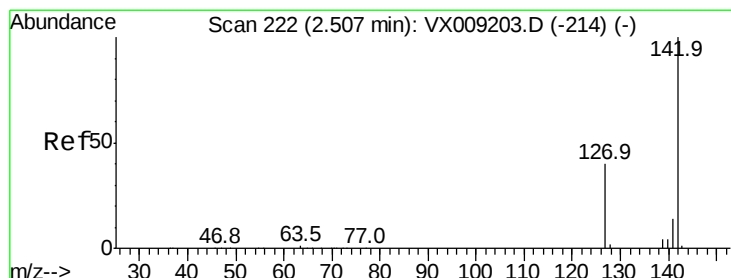
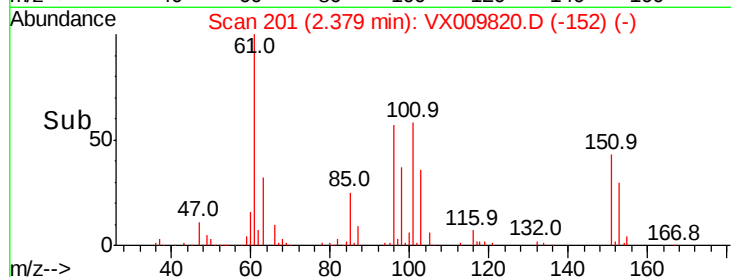
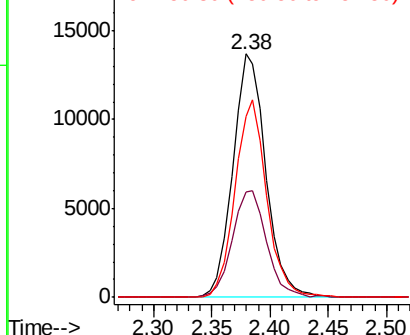
Tot Ion:	101	Resp:	26937
Ion Ratio	Lower	Upper	
101	100		
85	45.8	35.7	53.5
151	78.3	62.2	93.2

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.410 ug/l

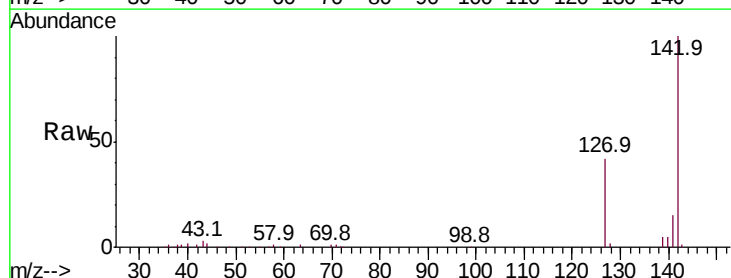
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

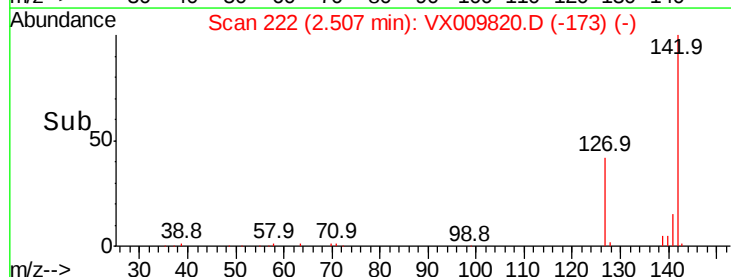
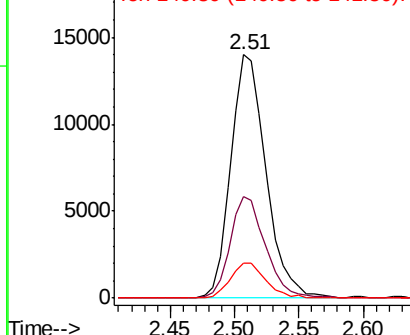
Lab File: VX009820.D

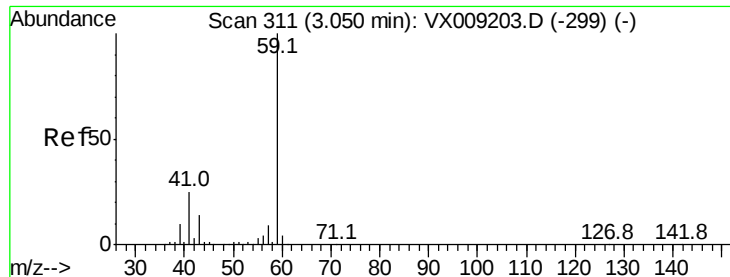
Acq: 22 May 2019 22:34

Tgt Ion:	142	Resp:	26635
Ion Ratio	Lower	Upper	
142	100		
127	41.7	32.7	49.1
141	14.5	11.5	17.3



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

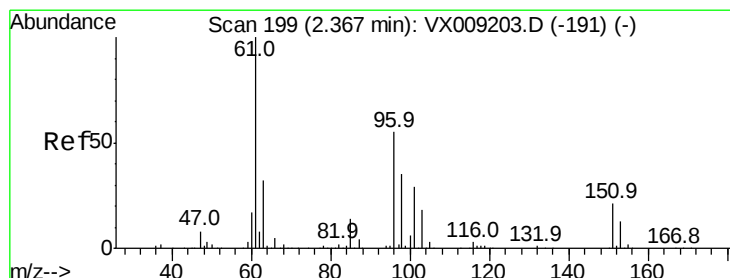
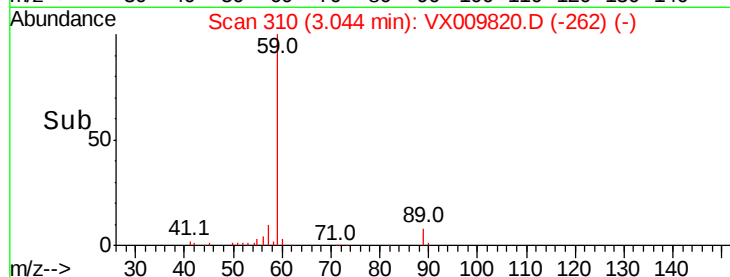
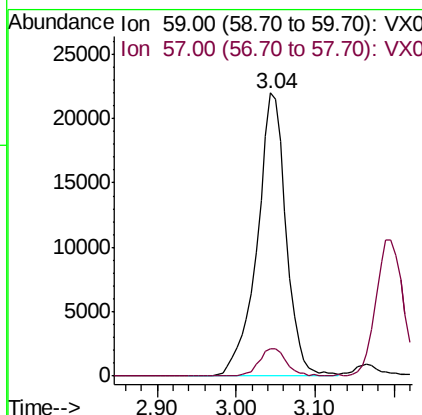
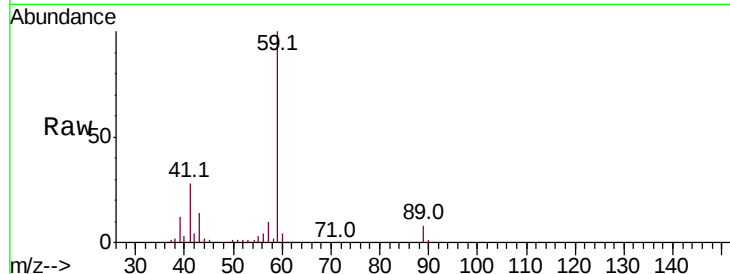
Tert butyl alcohol
 Concen: 102.465 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. -0.01 min
 Lab File: VX009820.D
 Acq: 22 May 2019 22:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522MBS02

Tot Ion	59	Ratio	100	Resp	56162
Ion	59	100		Lower	Upper
	57	9.3		8.2	12.2

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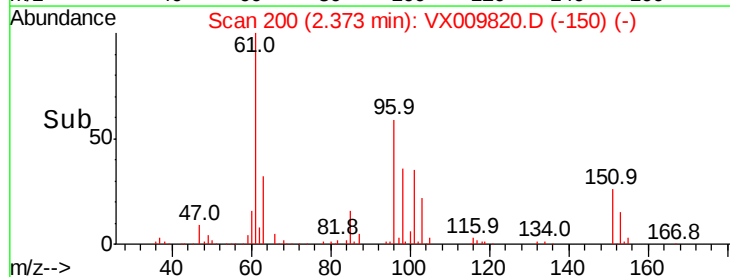
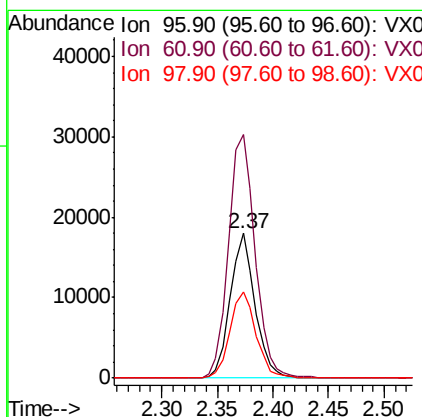
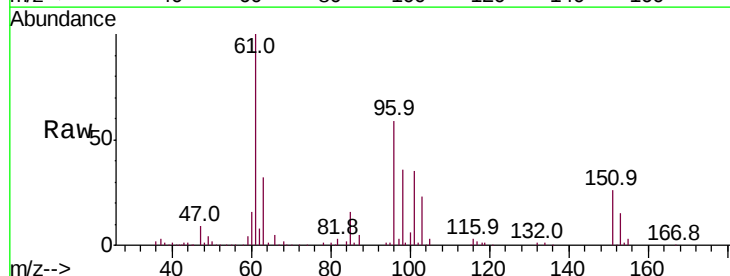
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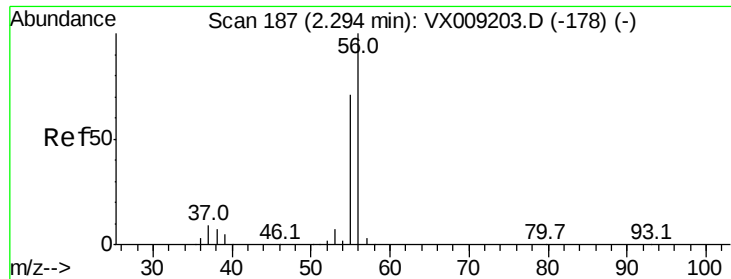


#12

1,1-Dichloroethene
 Concen: 17.033 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.01 min
 Lab File: VX009820.D
 Acq: 22 May 2019 22:34

Tgt Ion	96	Ratio	100	Resp	27722
Ion	96	100		Lower	Upper
	61	168.3		144.3	216.5
	98	59.9		50.3	75.5





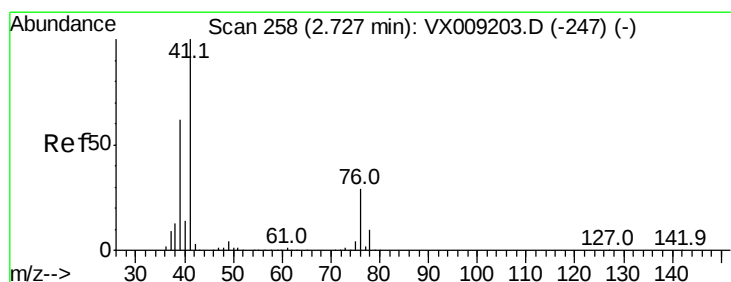
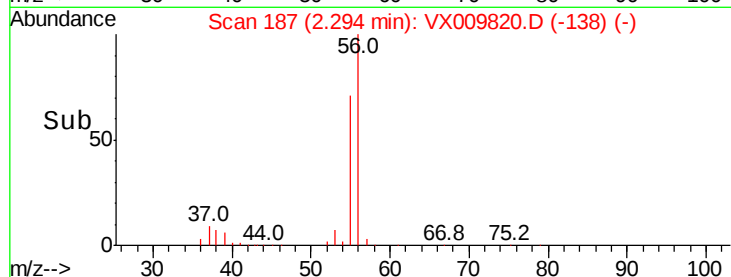
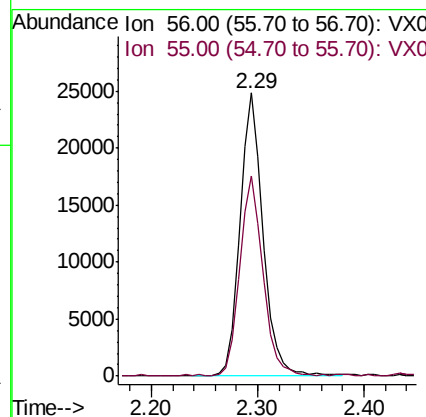
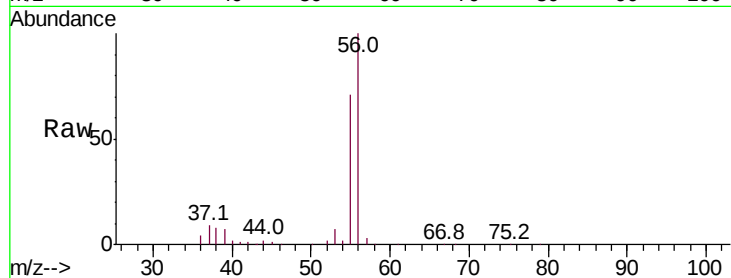
#13
 Acrolein
 Concen: 76.231 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VX009820.D
 Acq: 22 May 2019 22:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522MBS02

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.1	56.6	85.0

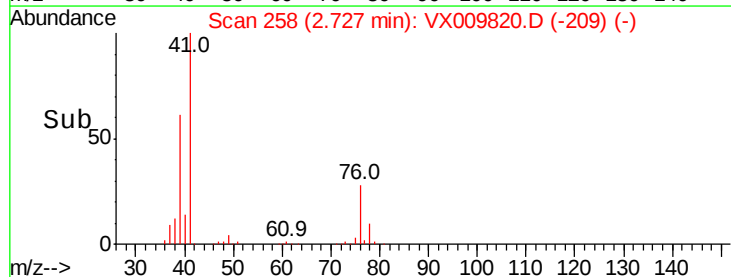
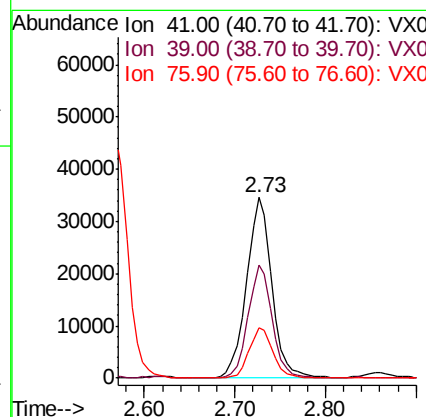
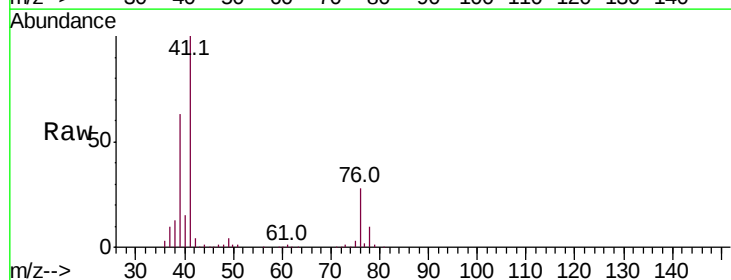
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#14
 Allyl chloride
 Concen: 16.954 ug/l
 RT: 2.73 min Scan# 258
 Delta R.T. 0.00 min
 Lab File: VX009820.D
 Acq: 22 May 2019 22:34

Tgt Ion	Ratio	Lower	Upper
41	100		
39	58.3	46.7	70.1
76	25.6	21.8	32.8





#15

Acrylonitrile

Concen: 85.150 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009820.D

Acq: 22 May 2019 22:34

Instrument :

MSVOA_X

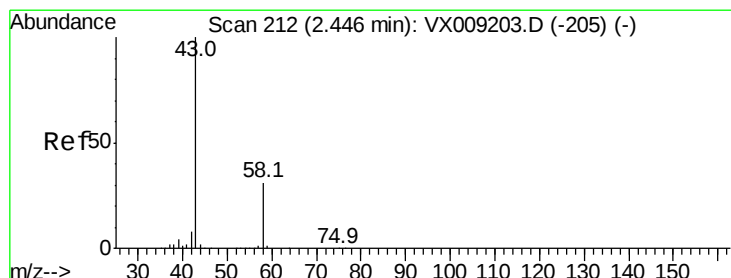
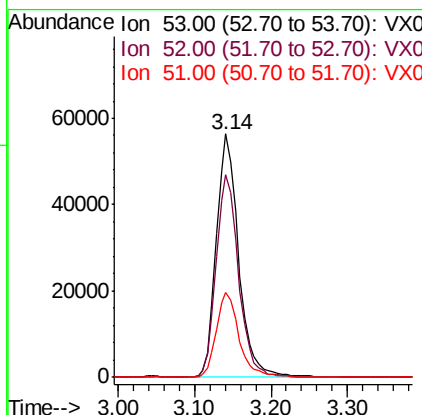
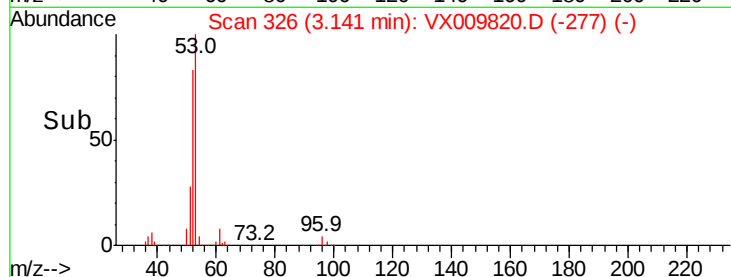
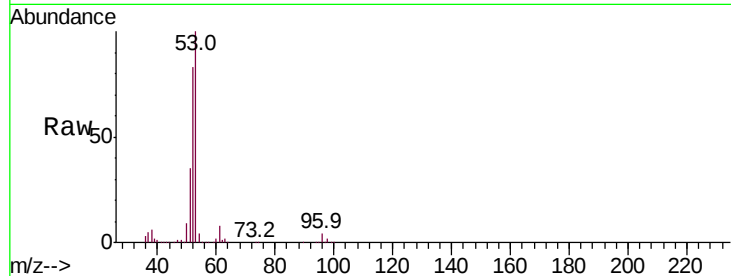
ClientSampleId :

VX0522MBS02

Tot Ion:	53	Resp:	114115
Ion	Ratio	Lower	Upper
53	100		
52	84.1	66.9	100.3
51	35.2	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 80.217 ug/l

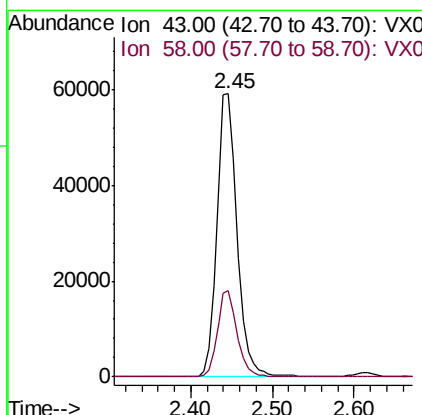
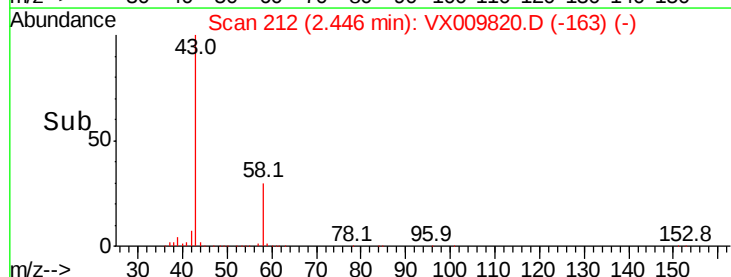
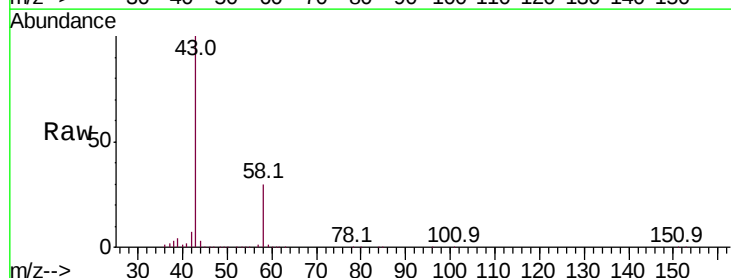
RT: 2.45 min Scan# 212

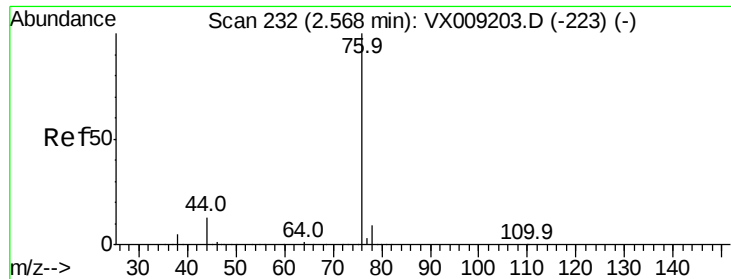
Delta R.T. 0.00 min

Lab File: VX009820.D

Acq: 22 May 2019 22:34

Tgt Ion:	43	Resp:	101993
Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.9	37.3





#17

Carbon Disulfide

Concen: 17.340 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009820.D

Acq: 22 May 2019 22:34

Instrument :

MSVOA_X

ClientSampleId :

VX0522MBS02

Tot Ion: 76 Resp: 79233

Ion Ratio Lower Upper

76 100

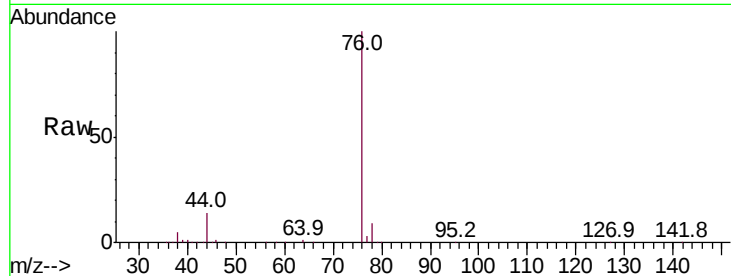
78 9.4 7.4 11.0

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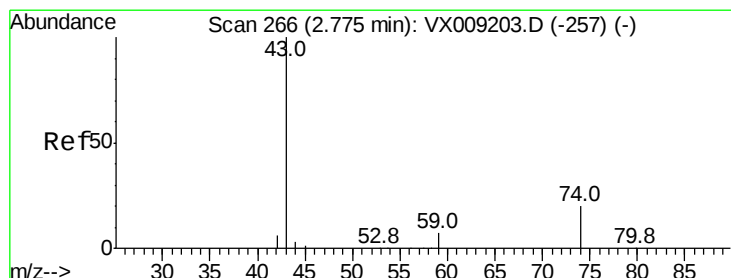
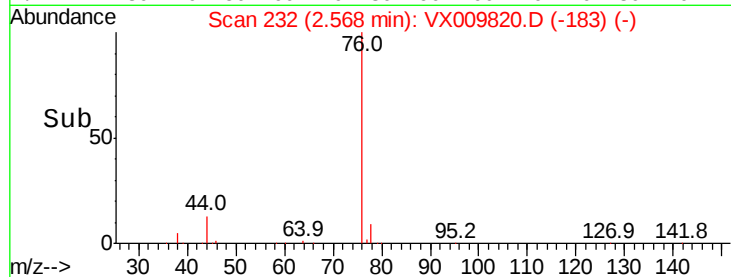
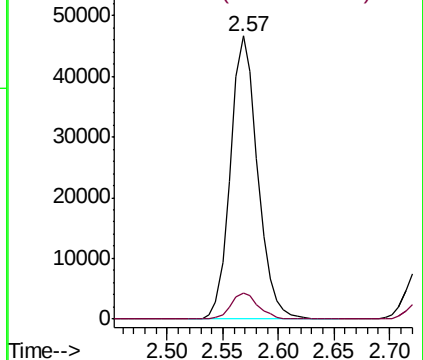
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 16.566 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009820.D

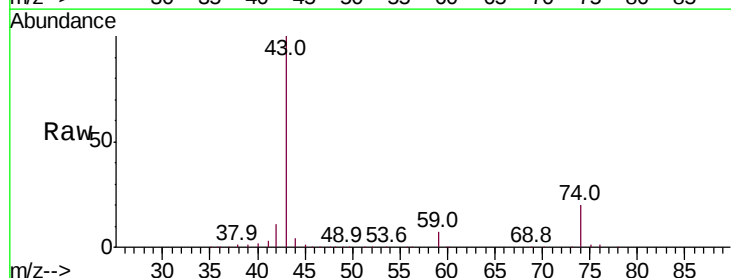
Acq: 22 May 2019 22:34

Tgt Ion: 43 Resp: 50092

Ion Ratio Lower Upper

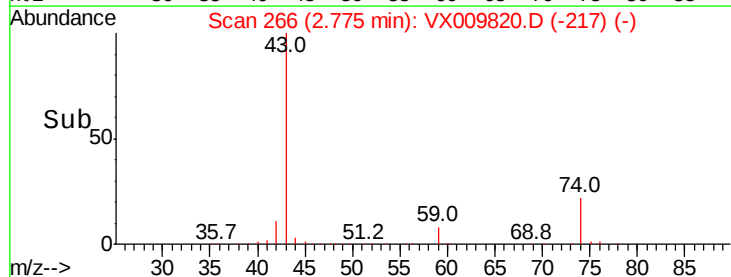
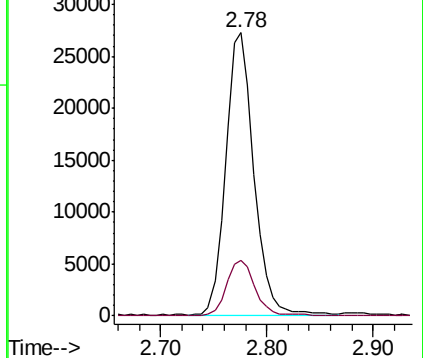
43 100

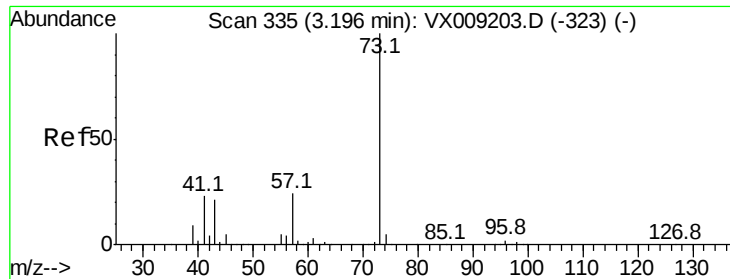
74 20.5 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





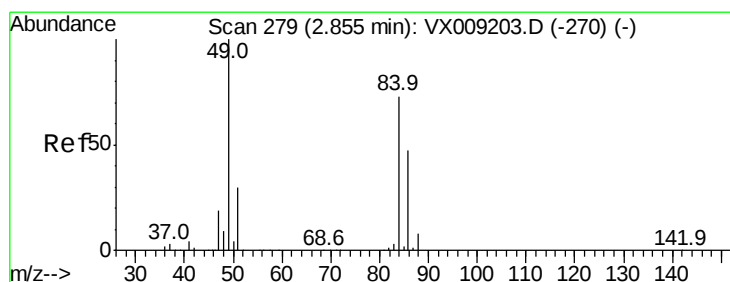
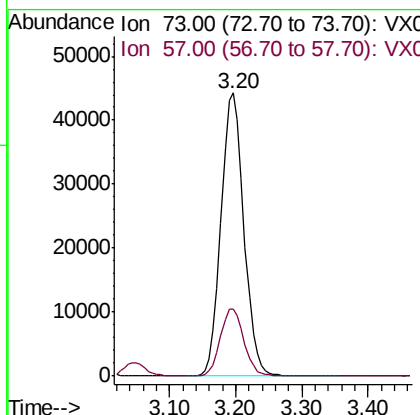
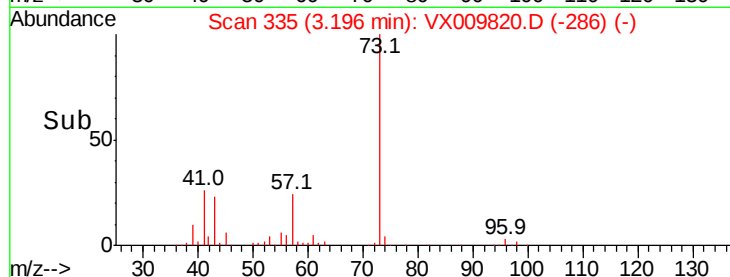
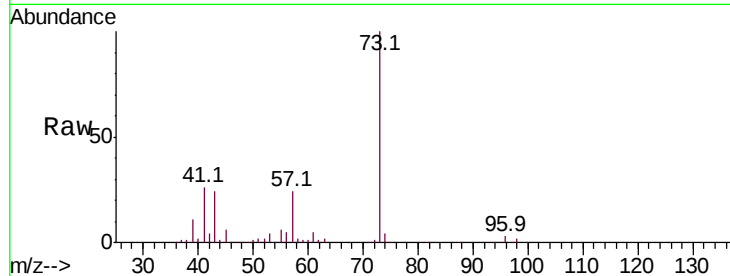
#19
Methvl tert-butvl Ether
Concen: 16.801 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009820.D
Acq: 22 May 2019 22:34

Instrument :
MSVOA_X
ClientSampleId :
VX0522MBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.8	19.3	28.9

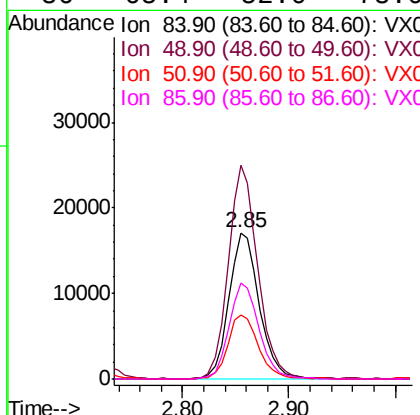
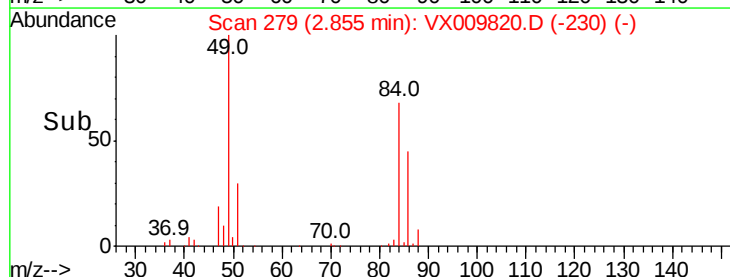
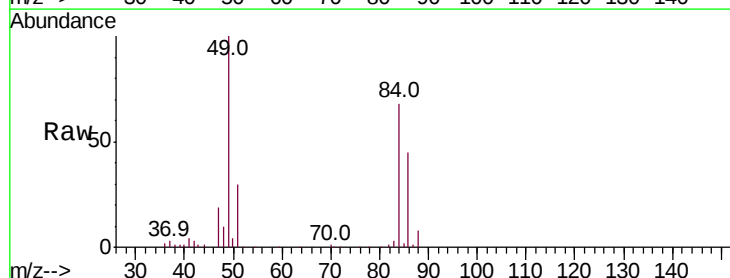
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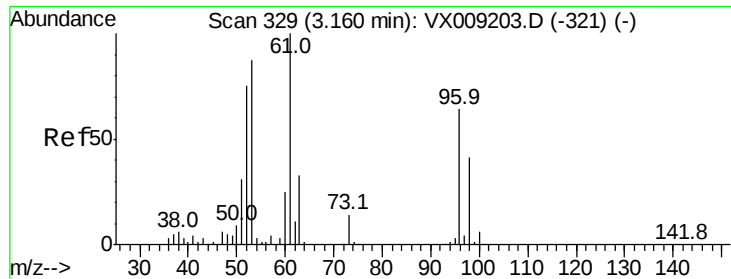
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#20
Methylene Chloride
Concen: 16.535 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009820.D
Acq: 22 May 2019 22:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	145.9	109.9	164.9
51	44.0	32.7	49.1
86	65.4	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 17.109 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009820.D

Acq: 22 May 2019 22:34

Instrument :

MSVOA_X

ClientSampleId :

VX0522MBS02

Tot Ion: 96 Resp: 30198

Ion Ratio Lower Upper

96 100

61 170.0 124.5 186.7

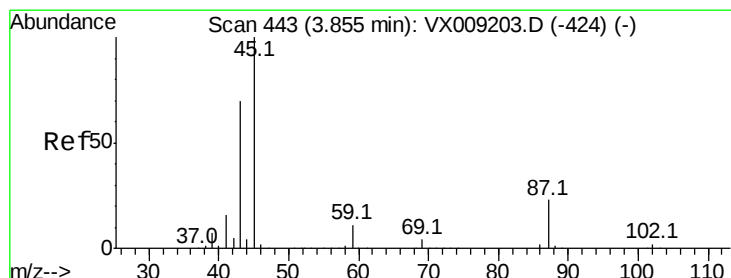
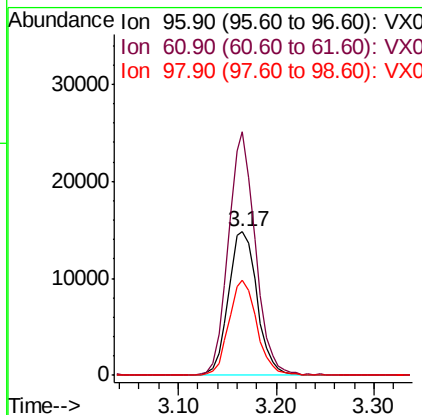
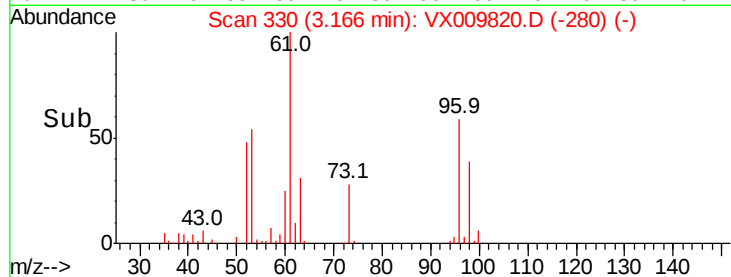
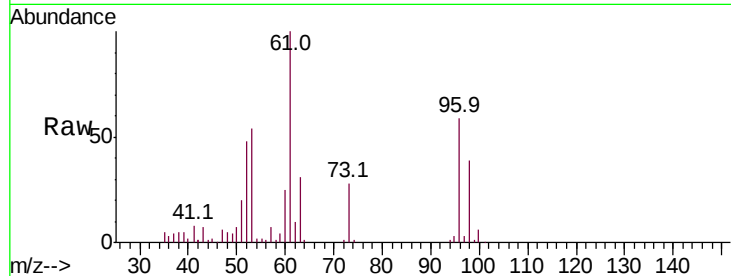
98 66.8 50.4 75.6

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#22

Diisopropyl ether

Concen: 17.663 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009820.D

Acq: 22 May 2019 22:34

Tgt Ion: 45 Resp: 134725

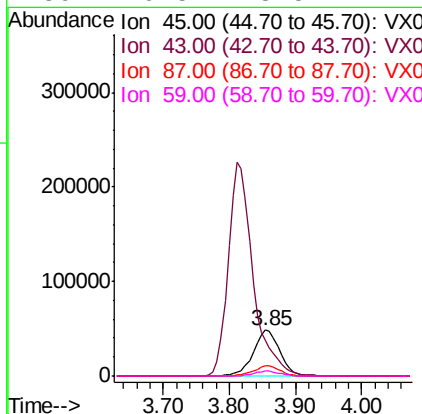
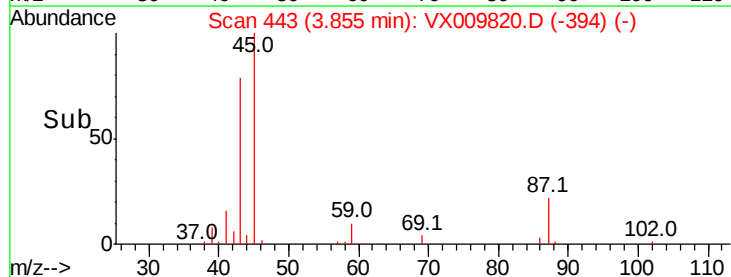
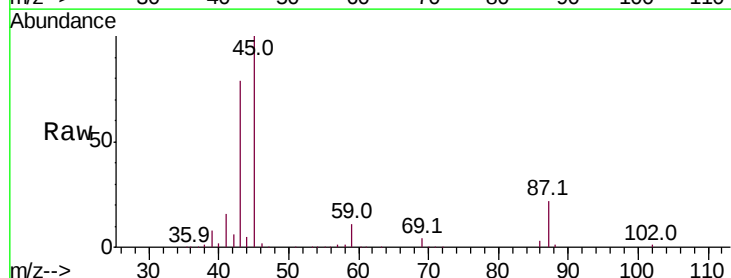
Ion Ratio Lower Upper

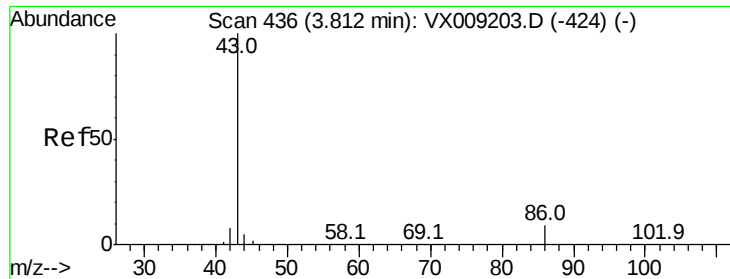
45 100

43 78.8 56.1 84.1

87 22.0 18.1 27.1

59 10.5 8.5 12.7





#23

Vinyl Acetate

Concen: 89.769 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009820.D

Acq: 22 May 2019 22:34

Instrument :

MSVOA_X

ClientSampleId :

VX0522MBS02

Tot Ion: 43 Resp: 586337

Ion Ratio Lower Upper

43 100

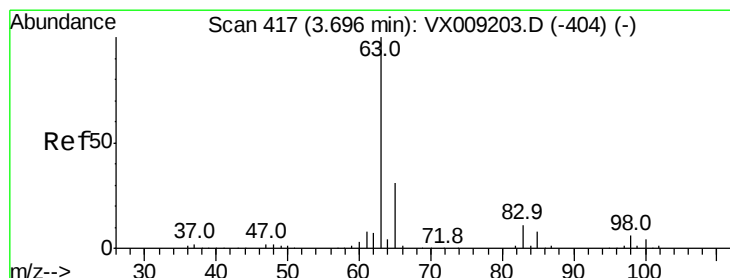
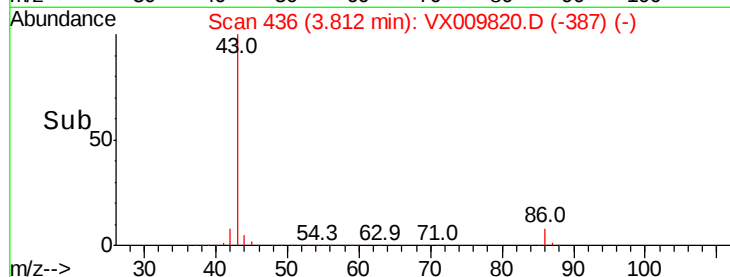
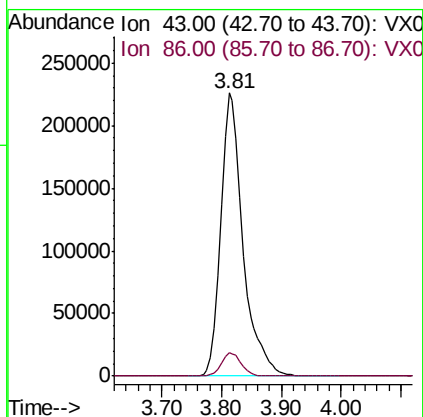
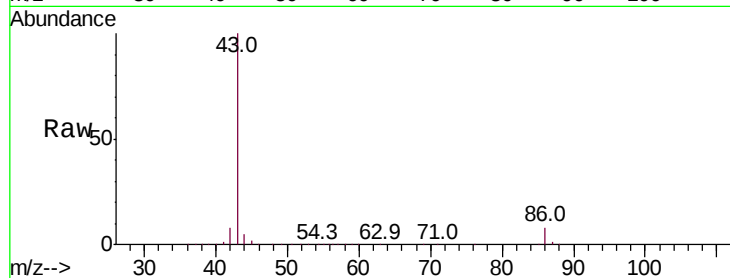
86 8.3 6.9 10.3

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#24

1,1-Dichloroethane

Concen: 16.914 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009820.D

Acq: 22 May 2019 22:34

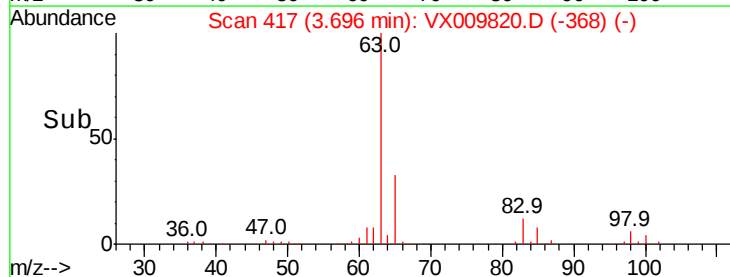
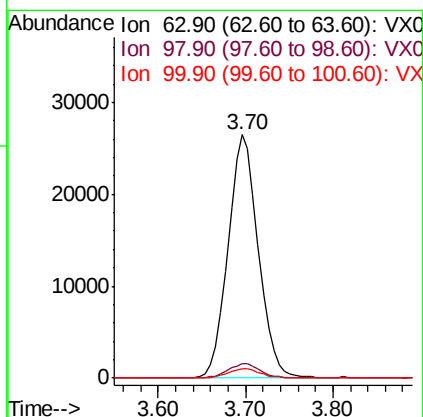
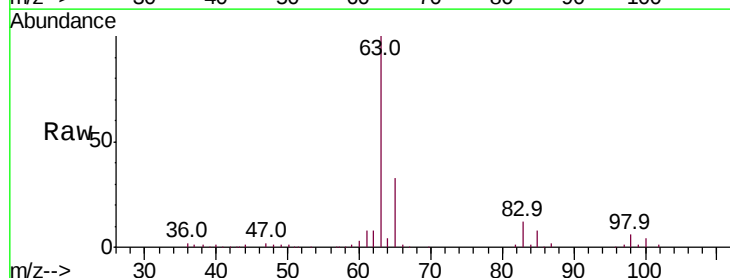
Tgt Ion: 63 Resp: 63643

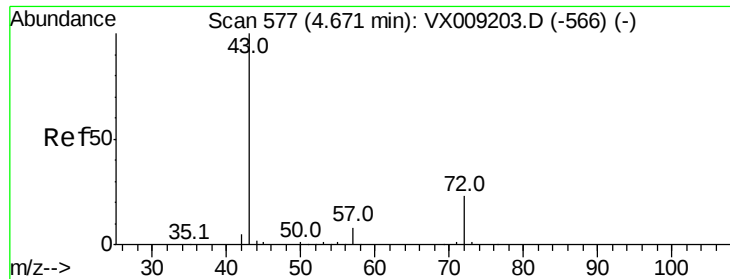
Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

100 4.1 2.0 6.0





#25

2-Butanone

Concen: 86.582 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009820.D

Acq: 22 May 2019 22:34

Instrument :

MSVOA_X

ClientSampleId :

VX0522MBS02

Tot Ion: 43 Resp: 171070

Ion Ratio Lower Upper

43 100

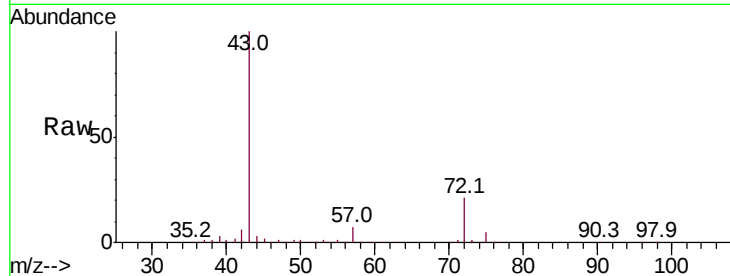
72 21.2 18.2 27.2

Manual Integrations

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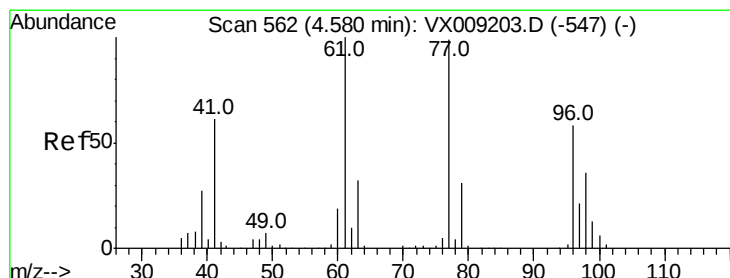
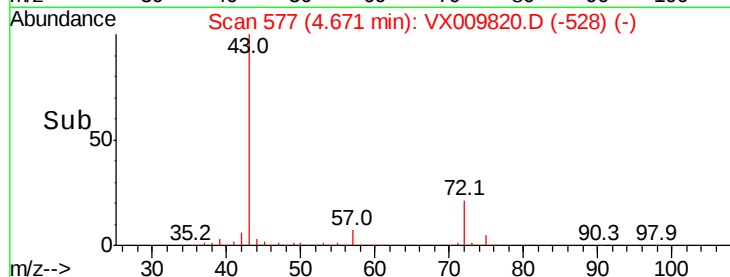
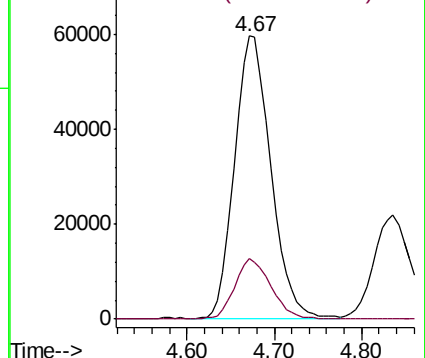
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 13.975 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009820.D

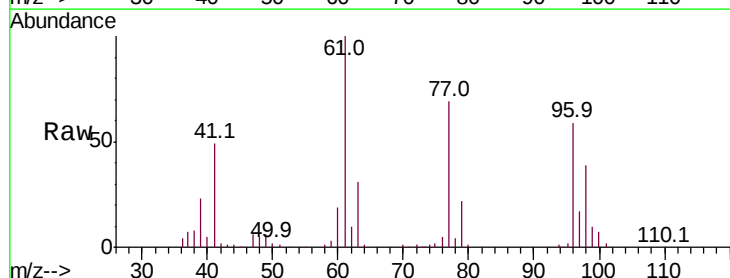
Acq: 22 May 2019 22:34

Tgt Ion: 77 Resp: 39140

Ion Ratio Lower Upper

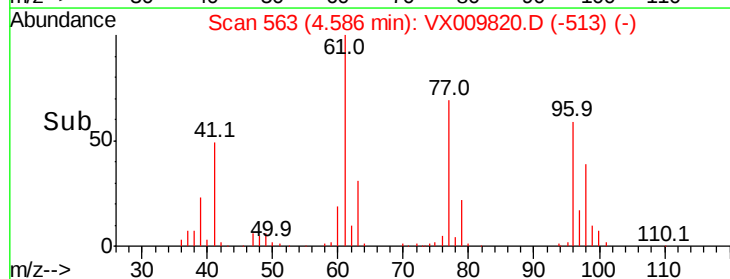
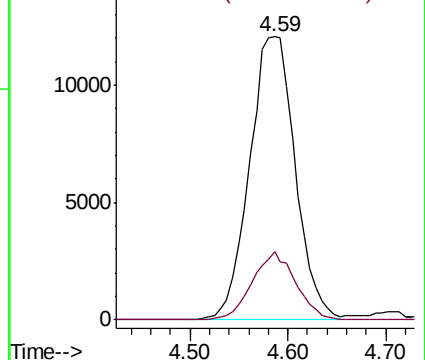
77 100

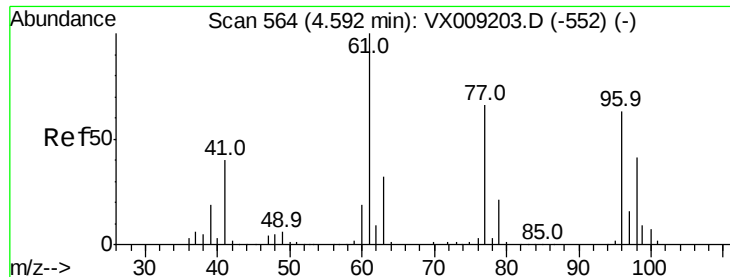
97 22.9 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

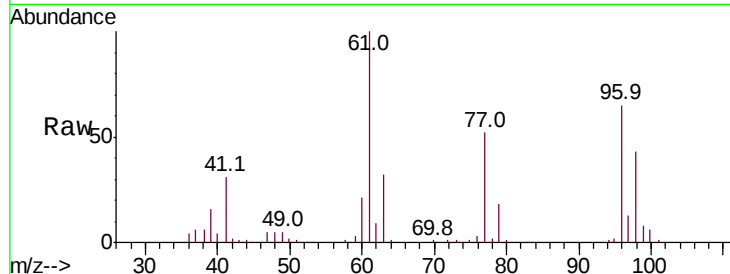
cis-1,2-Dichloroethene
Concen: 16.528 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009820.D
Acq: 22 May 2019 22:34

Instrument :
MSVOA_X
ClientSampled :
VX0522MBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	165.5	0.0	324.0	
98	65.1	0.0	130.4	

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Abundance

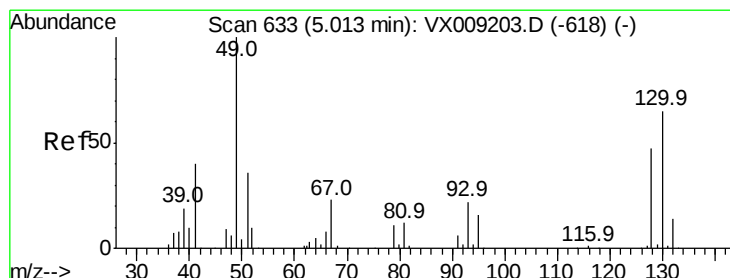
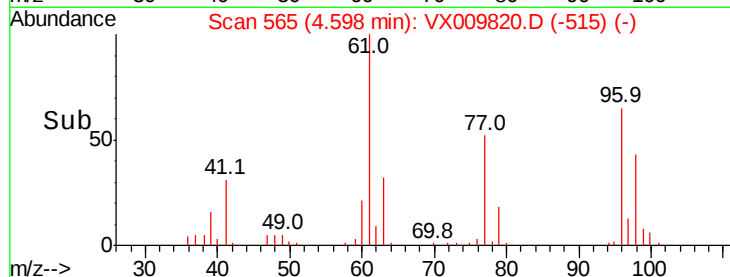
Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

4.59 4.60 4.61

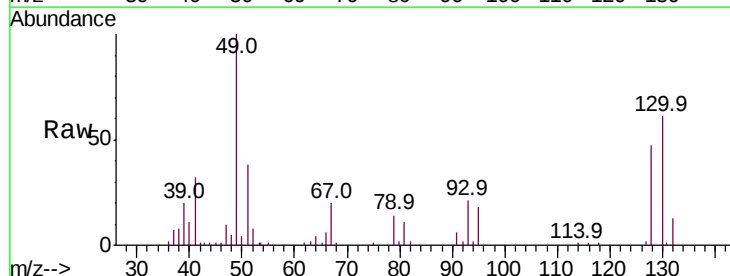
Time-->



#28

Bromochloromethane
Concen: 19.559 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009820.D
Acq: 22 May 2019 22:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.7	0.0	3.8	
130	62.1	51.2	76.8	



Abundance

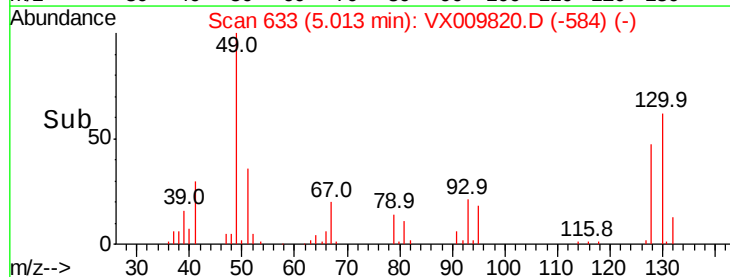
Ion 48.90 (48.60 to 49.60): VX0

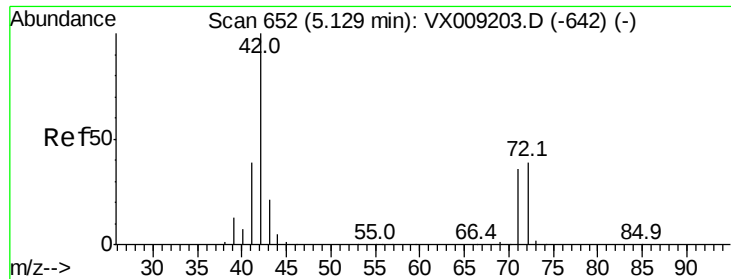
Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

4.99 5.01 5.03

Time-->





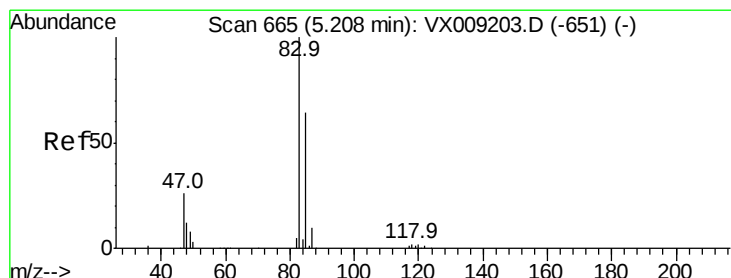
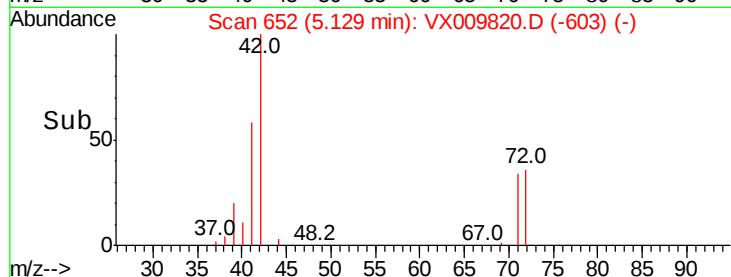
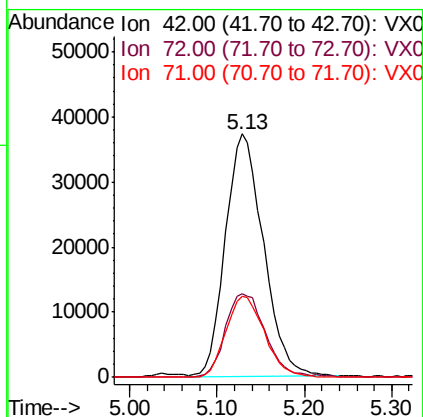
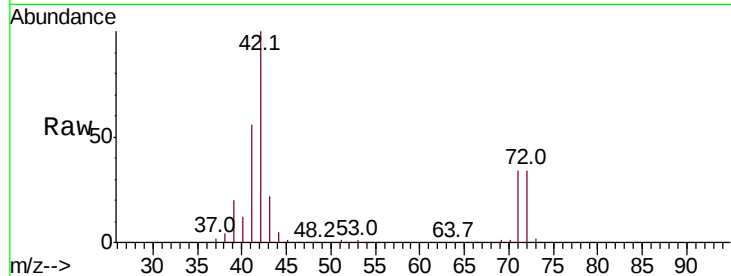
#29
Tetrahydrofuran
Concen: 88.495 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX009820.D
Acq: 22 May 2019 22:34

Instrument :
MSVOA_X
ClientSampleId :
VX0522MBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.7	30.4	45.6
71	34.4	28.6	43.0

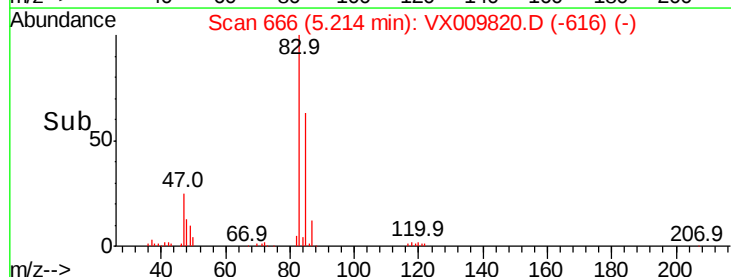
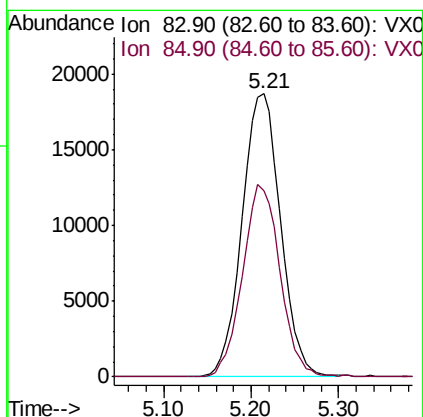
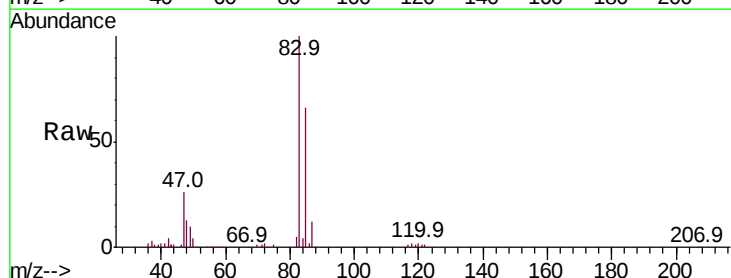
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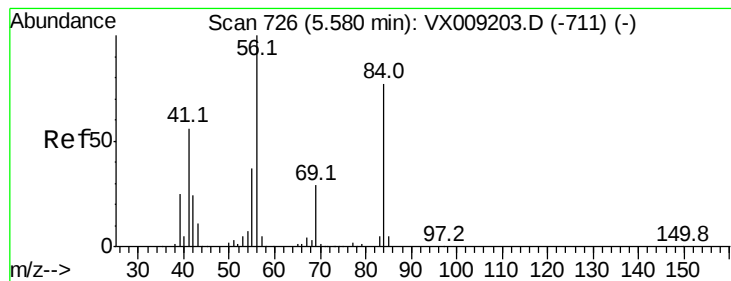
MMDadoda
5/23/2019 10:38:34 AM



#30
Chloroform
Concen: 16.846 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009820.D
Acq: 22 May 2019 22:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.5	77.3





#31

Cyclohexane

Concen: 17.554 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX009820.D

Acq: 22 May 2019 22:34

Instrument :

MSVOA_X

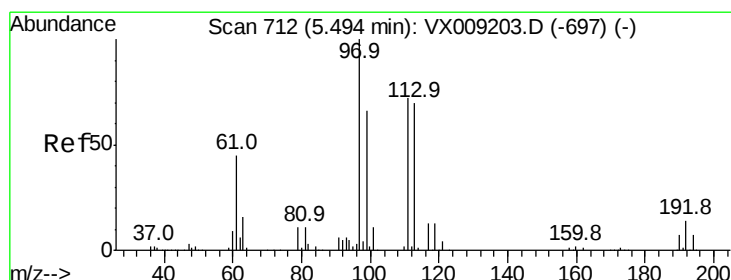
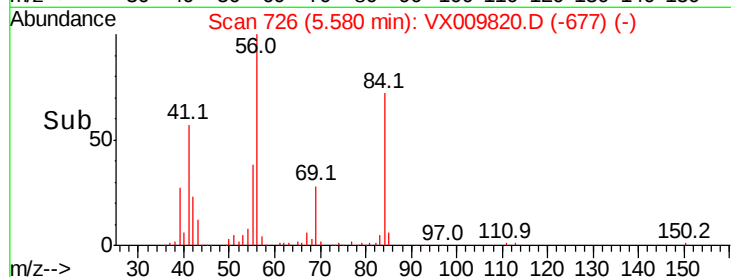
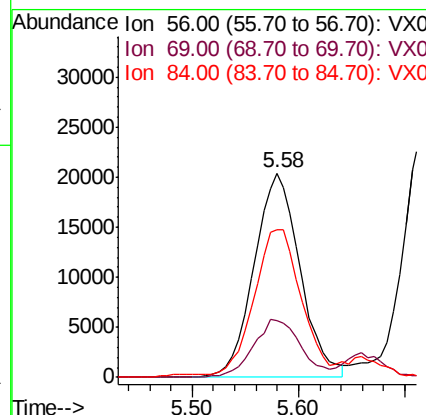
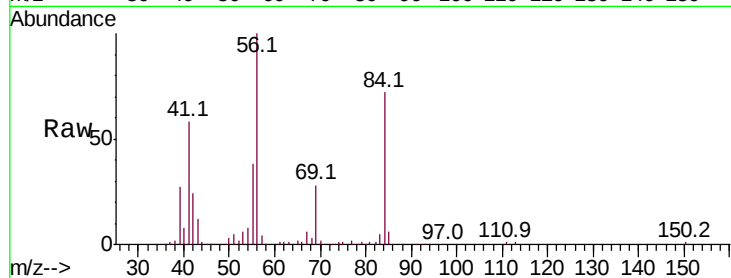
ClientSampleId :

VX0522MBS02

Tot Ion:	56	Resp:	61452
Ion Ratio	Lower	Upper	
56	100		
69	27.8	23.4	35.0
84	70.5	61.9	92.9

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#32

1,1,1-Trichloroethane

Concen: 16.715 ug/l

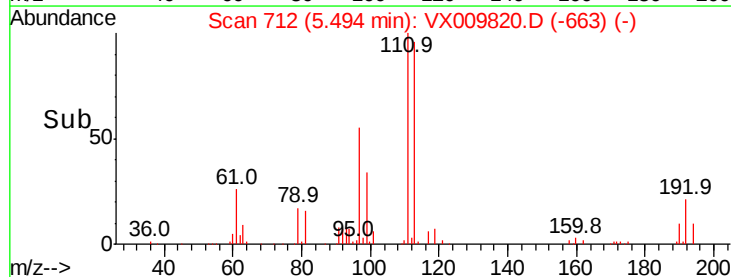
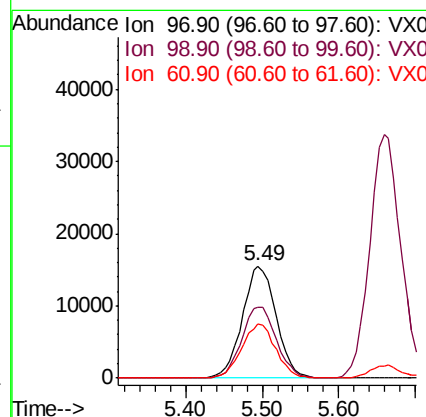
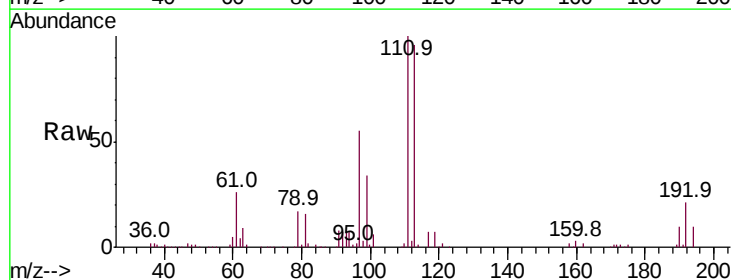
RT: 5.49 min Scan# 712

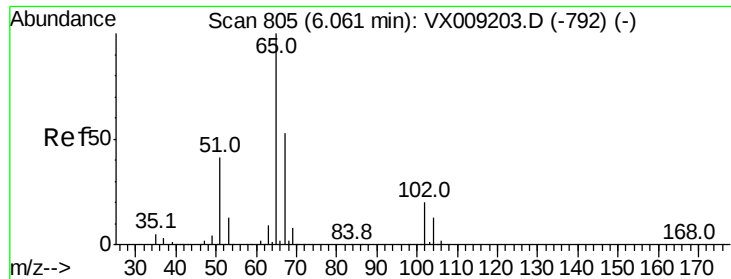
Delta R.T. 0.00 min

Lab File: VX009820.D

Acq: 22 May 2019 22:34

Tgt Ion:	97	Resp:	47354
Ion Ratio	Lower	Upper	
97	100		
99	65.1	51.8	77.8
61	48.9	37.8	56.8





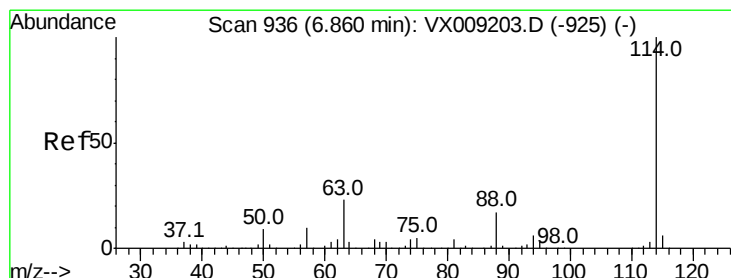
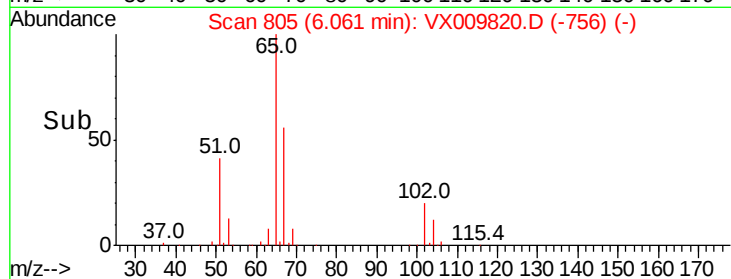
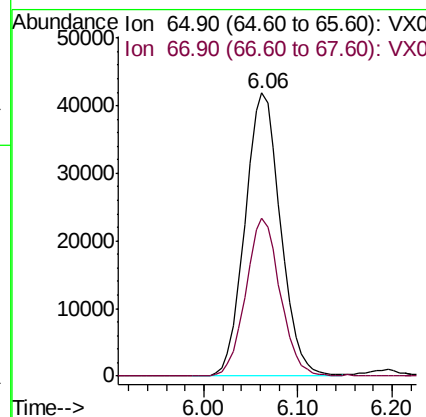
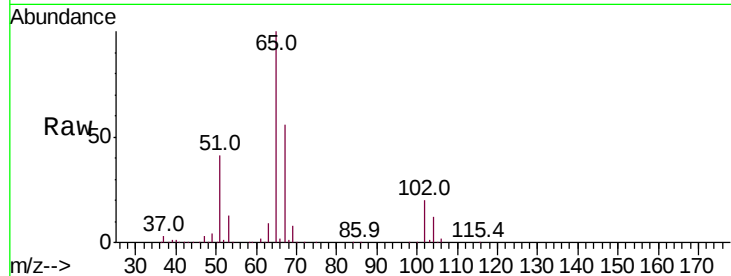
#33
 1,2-Dichloroethane-d4
 Concen: 46.782 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009820.D
 Acq: 22 May 2019 22:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522MBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	106.6

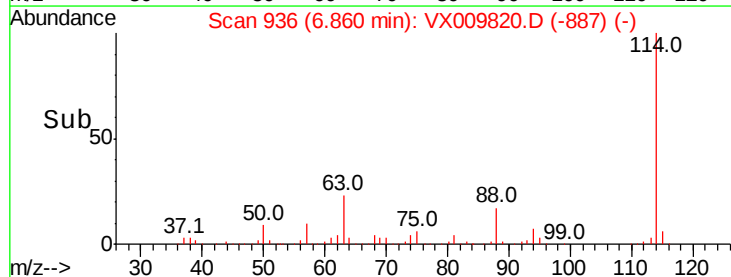
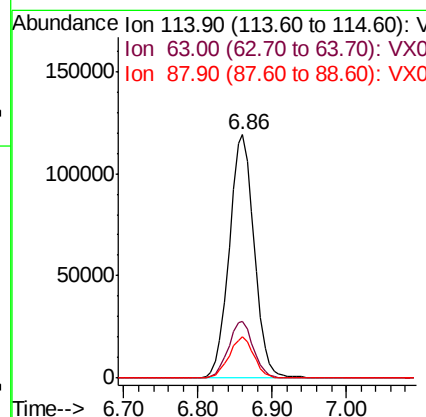
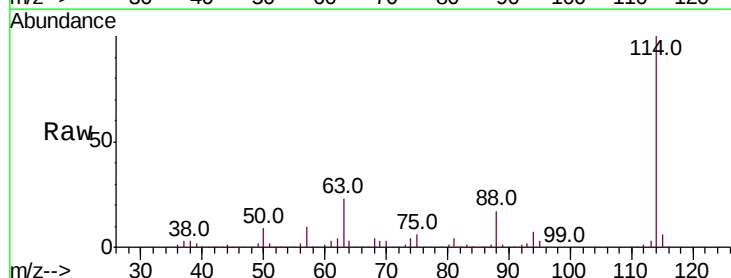
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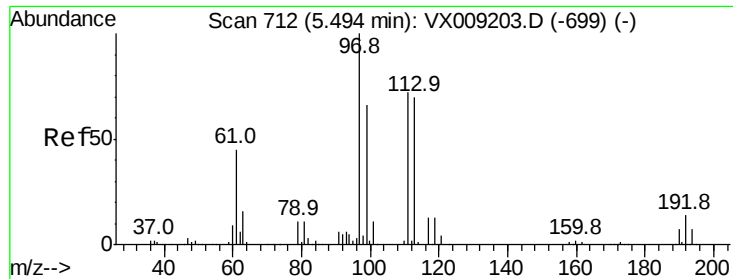
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009820.D
 Acq: 22 May 2019 22:34

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	45.6
88	17.0	0.0	33.2





#35

Dibromofluoromethane

Concen: 45.079 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009820.D

Acq: 22 May 2019 22:34

Instrument :

MSVOA_X

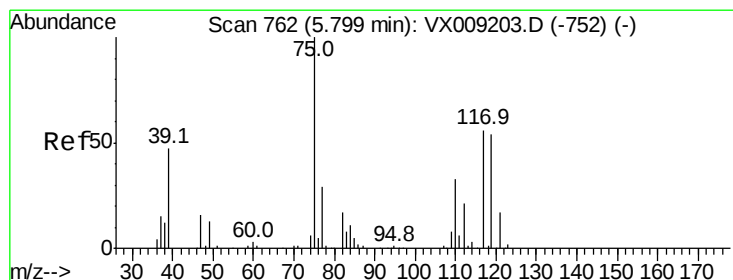
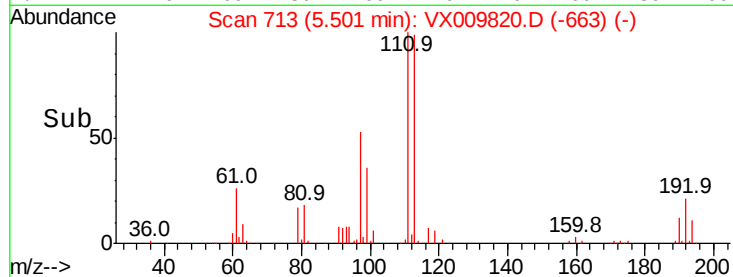
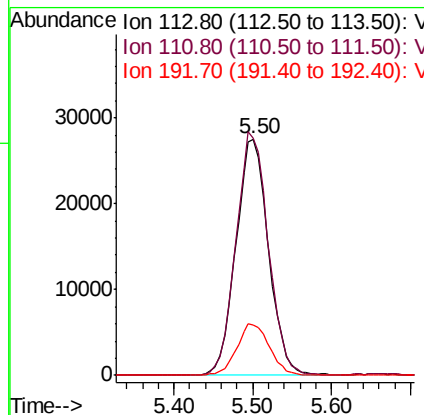
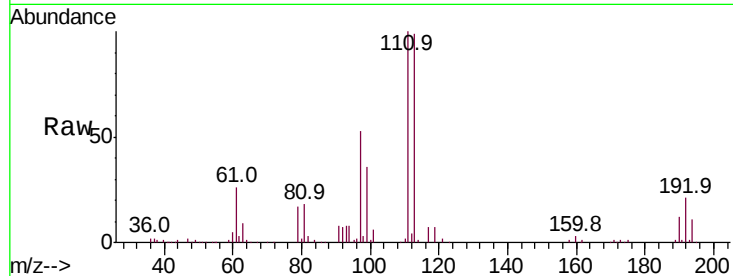
ClientSampleId :

VX0522MBS02

Tot Ion:	113	Resp:	79056
Ion Ratio	Lower	Upper	
113	100		
111	102.4	82.8	124.2
192	21.8	17.0	25.6

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#36

1,1-Dichloropropene

Concen: 16.911 ug/l

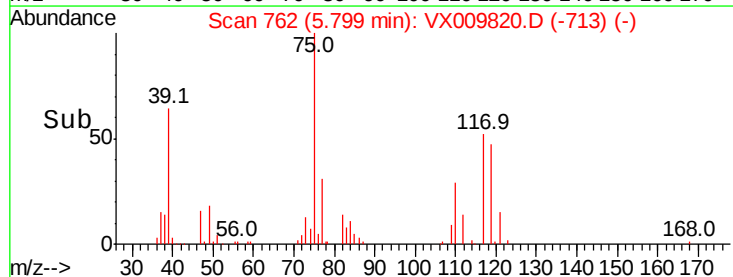
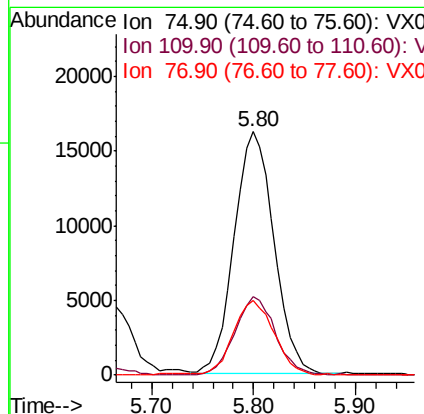
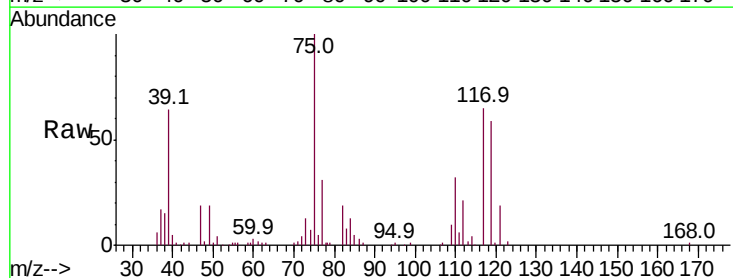
RT: 5.80 min Scan# 762

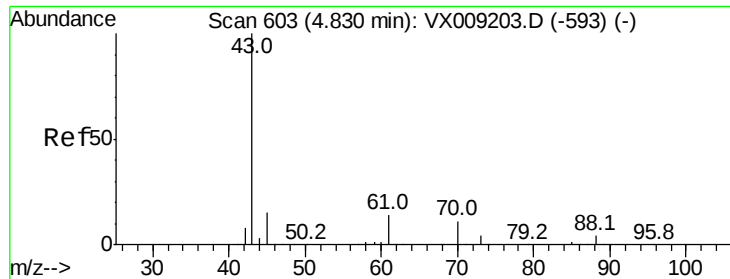
Delta R.T. 0.00 min

Lab File: VX009820.D

Acq: 22 May 2019 22:34

Tgt Ion:	75	Resp:	43843
Ion Ratio	Lower	Upper	
75	100		
110	32.9	16.9	50.6
77	32.3	24.8	37.2





#37

Ethyl Acetate

Concen: 17.711 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX009820.D

Acq: 22 May 2019 22:34

Instrument :

MSVOA_X

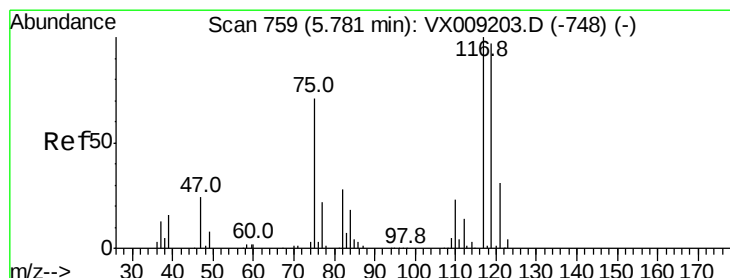
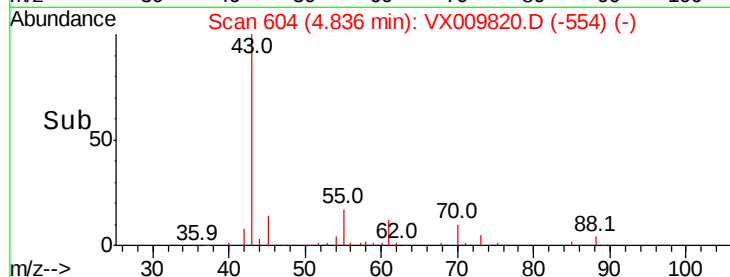
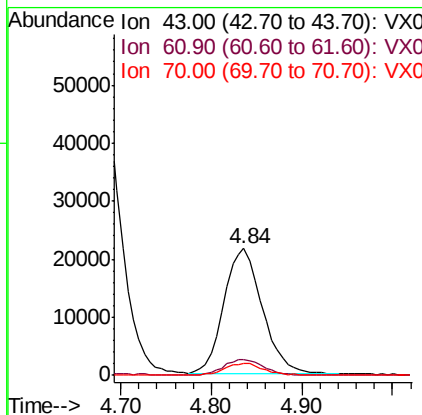
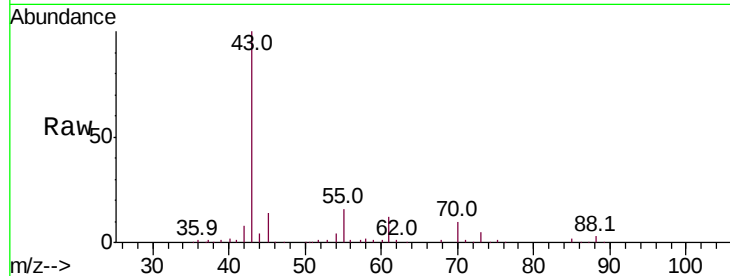
ClientSampleID :

VX0522MBS02

Tot Ion:	43	Resp:	63975
Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.5	15.7
70	9.8	7.9	11.9

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 16.915 ug/l

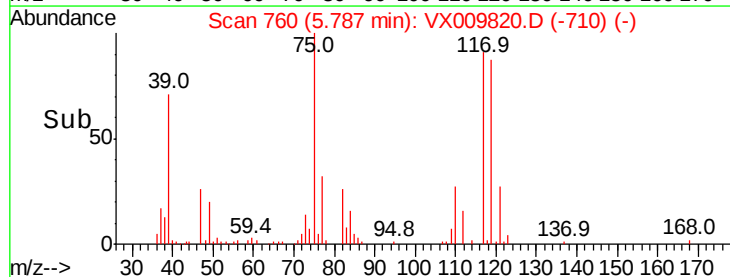
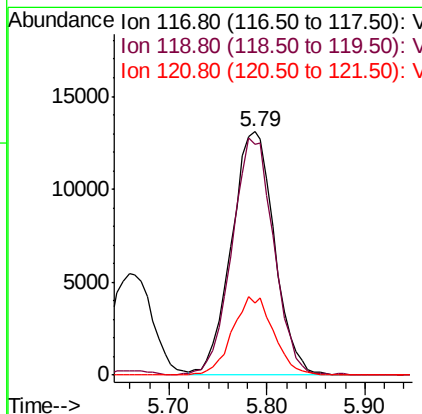
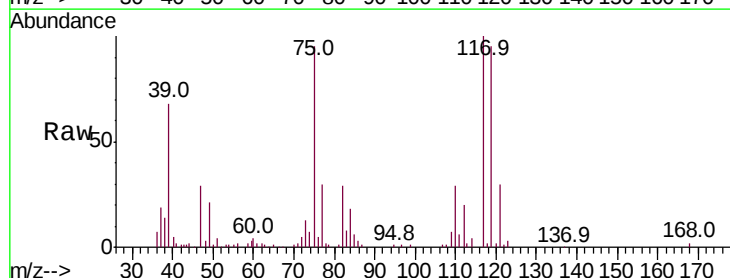
RT: 5.79 min Scan# 760

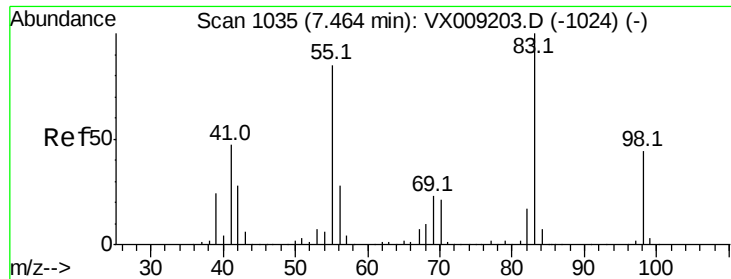
Delta R.T. 0.01 min

Lab File: VX009820.D

Acq: 22 May 2019 22:34

Tgt Ion:	117	Resp:	39843
Ion	Ratio	Lower	Upper
117	100		
119	94.5	77.5	116.3
121	29.7	24.7	37.1





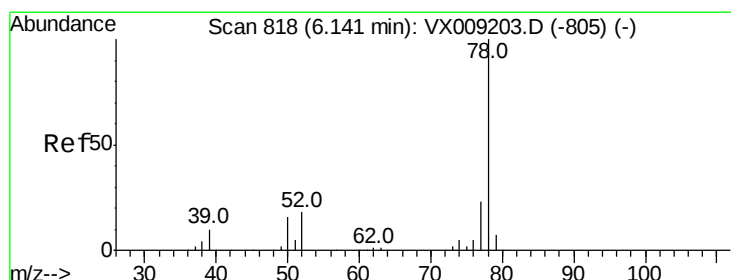
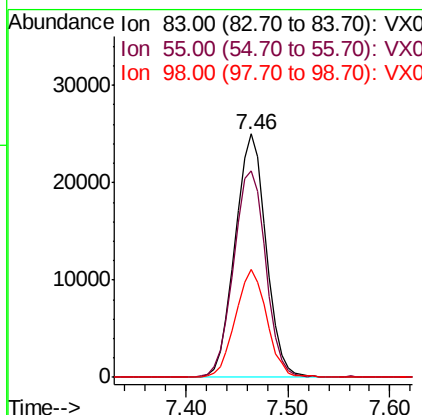
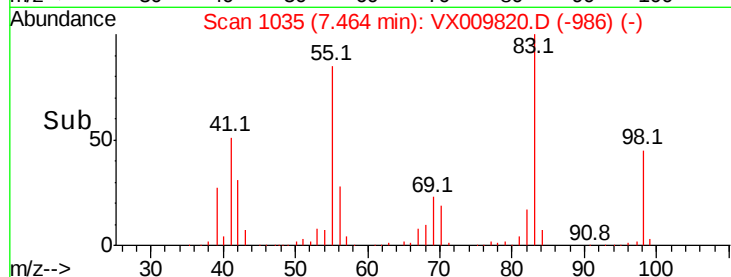
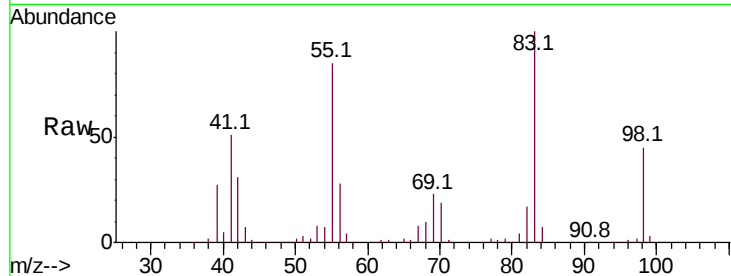
#39
Methylvlcvclohexane
Concen: 16.605 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009820.D
Acq: 22 May 2019 22:34

Instrument :
MSVOA_X
ClientSampleId :
VX0522MBS02

Tot Ion	83	Resp	52869
Ion	Ratio	Lower	Upper
83	100		
55	84.7	67.7	101.5
98	44.5	35.5	53.3

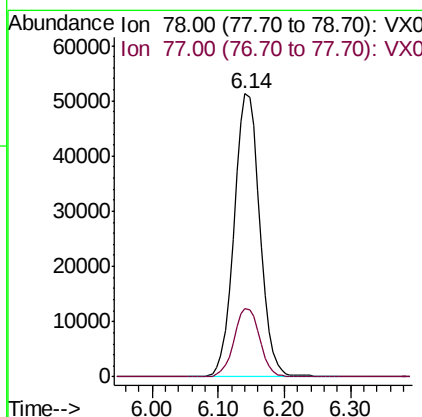
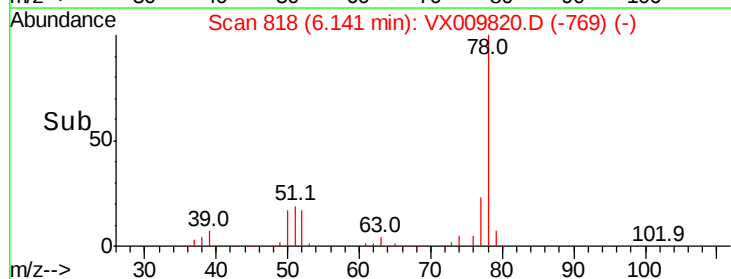
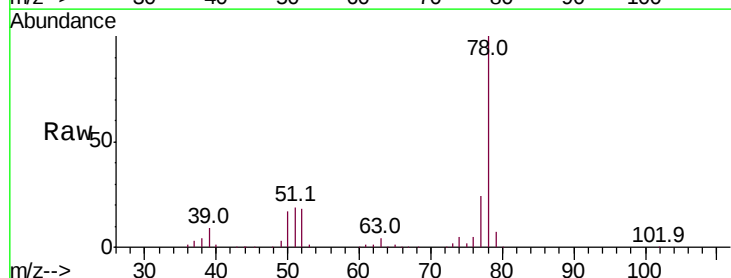
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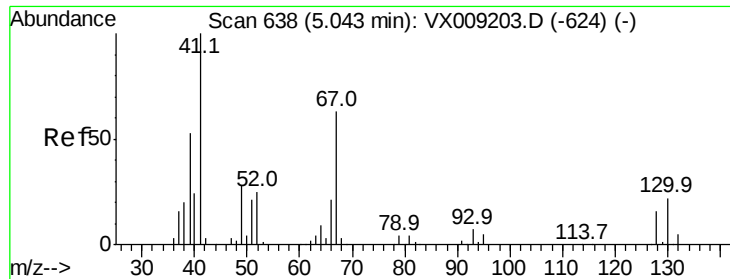
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#40
Benzene
Concen: 17.180 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009820.D
Acq: 22 May 2019 22:34

Tgt Ion	78	Resp	137845
Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2





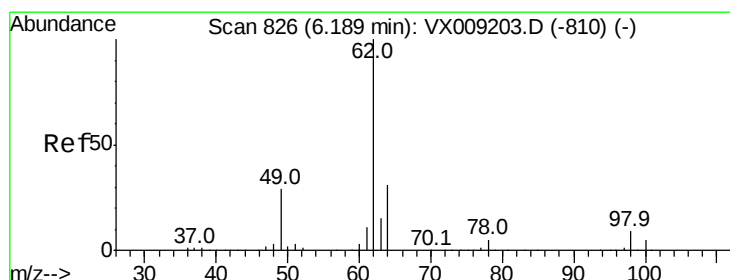
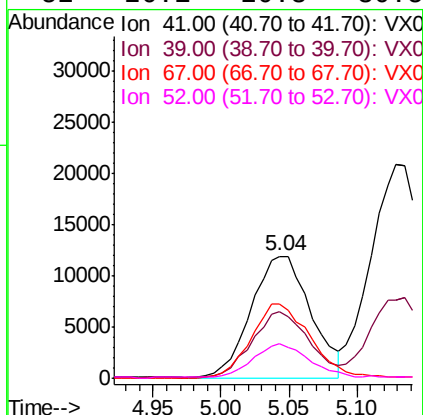
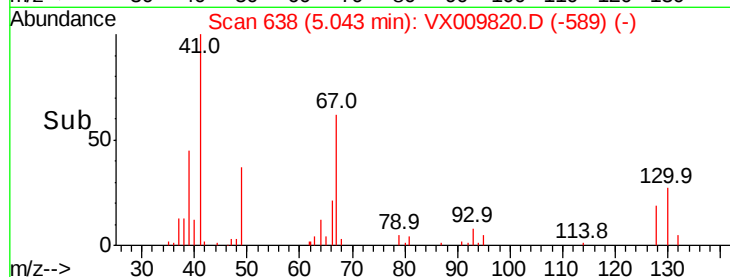
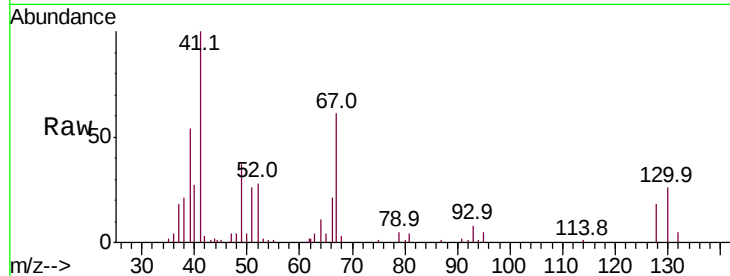
#41
Methacrylonitrile
Concen: 16.840 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX009820.D
Acq: 22 May 2019 22:34

Instrument :
MSVOA_X
ClientSampleId :
VX0522MBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.3	42.0	63.0
67	61.7	49.8	74.8
52	26.1	20.3	30.5

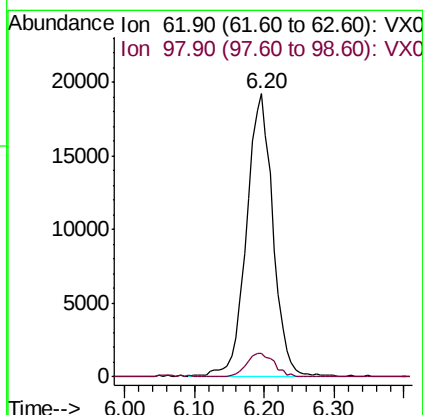
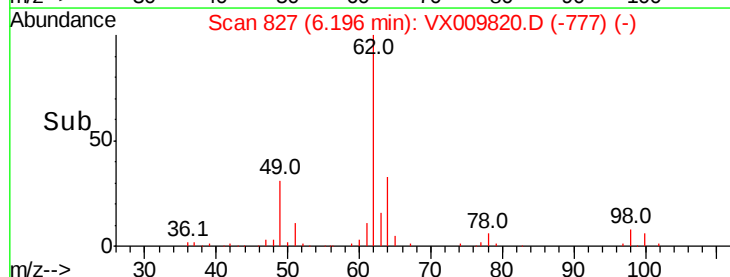
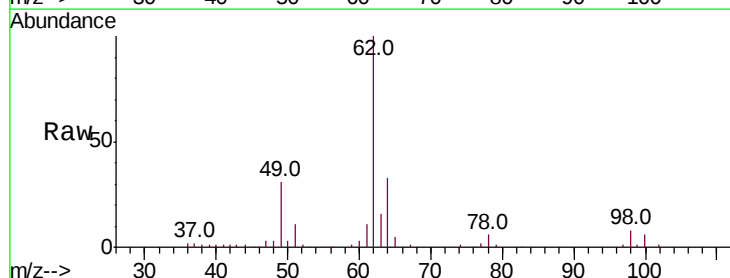
Manual Integrations
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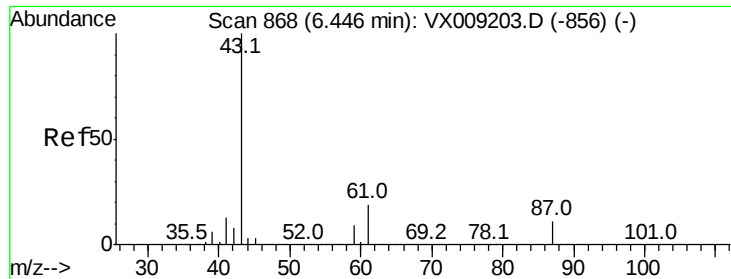
MMDadoda
5/23/2019 10:38:34 AM



#42
1,2-Dichloroethane
Concen: 17.590 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX009820.D
Acq: 22 May 2019 22:34

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.2





#43

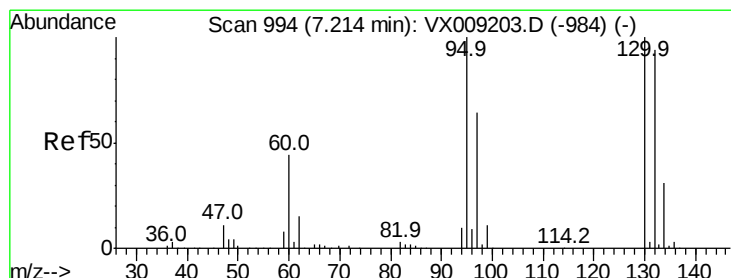
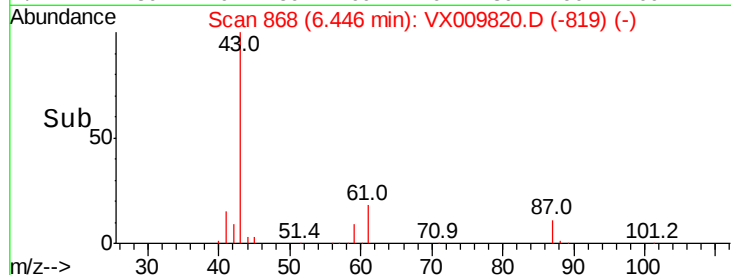
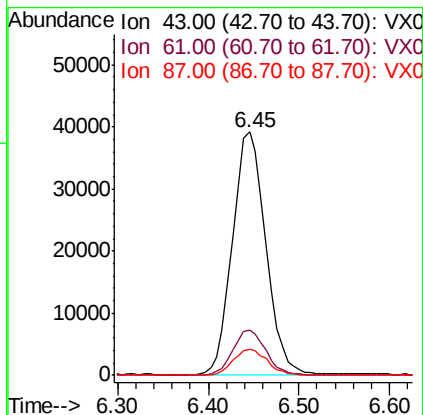
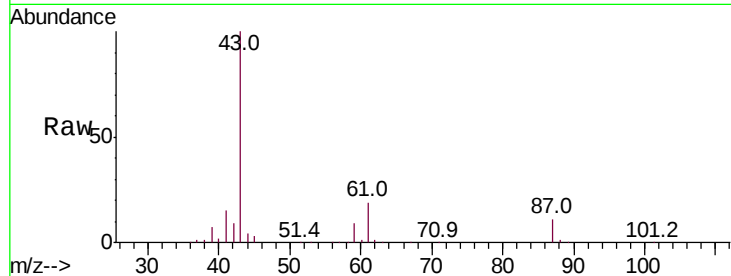
Isopropyl Acetate
 Concen: 17.299 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX009820.D
 Acq: 22 May 2019 22:34

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0522MBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.4	15.1	22.7
87	11.0	9.0	13.6

Manual Integrations
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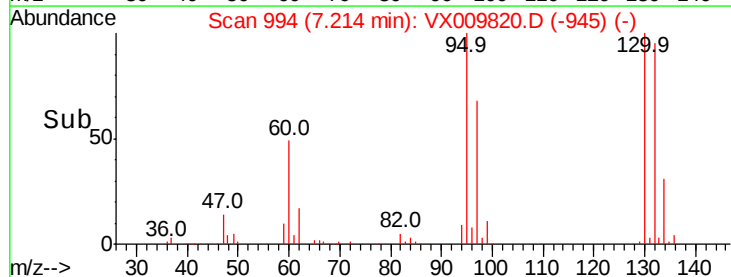
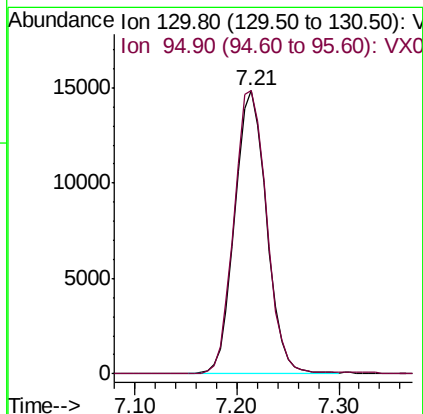
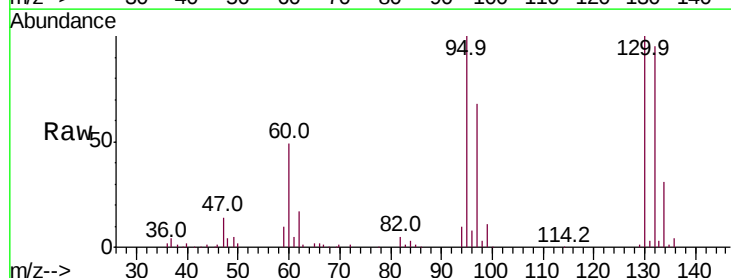
MMDadoda
 5/23/2019 10:38:34 AM

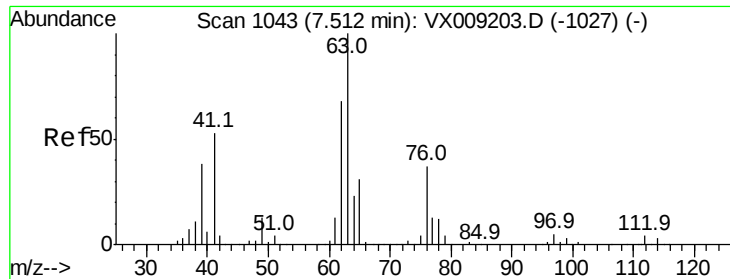


#44

Trichloroethene
 Concen: 16.564 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009820.D
 Acq: 22 May 2019 22:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.0	0.0	199.2





#45

1,2-Dichloropropane

Concen: 17.239 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009820.D

Acq: 22 May 2019 22:34

Instrument :

MSVOA_X

ClientSampleId :

VX0522MBS02

Tot Ion: 63 Resp: 39166

Ion Ratio Lower Upper

63 100

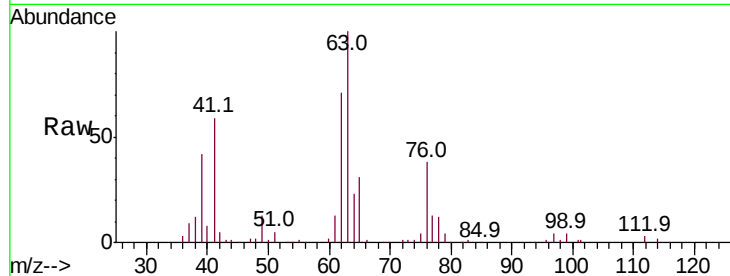
65 31.4 25.0 37.6

Manual Integrations

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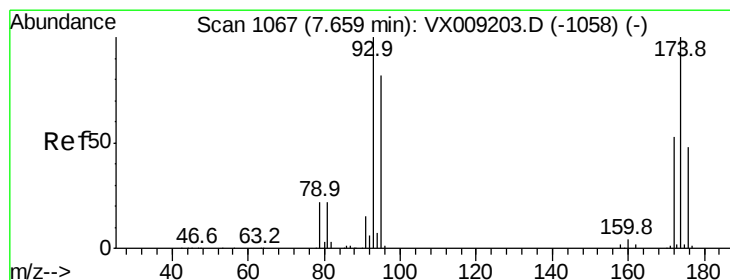
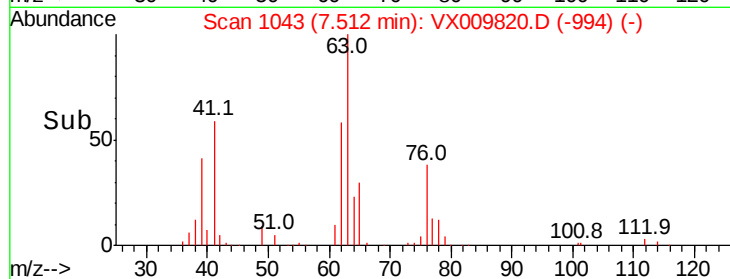
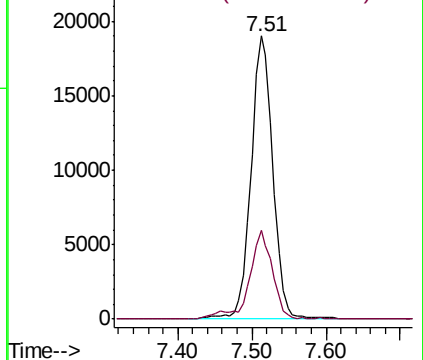
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 16.945 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009820.D

Acq: 22 May 2019 22:34

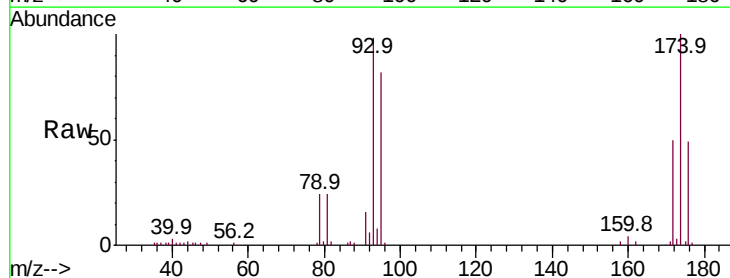
Tgt Ion: 93 Resp: 22356

Ion Ratio Lower Upper

93 100

95 82.3 66.5 99.7

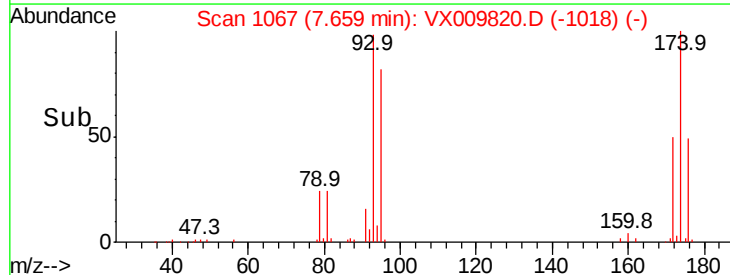
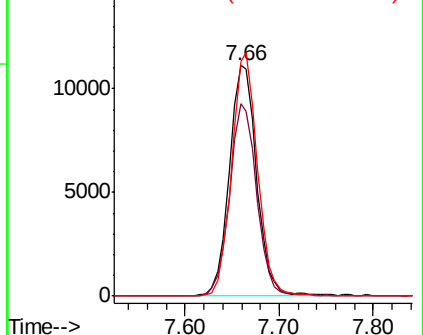
174 99.9 82.1 123.1

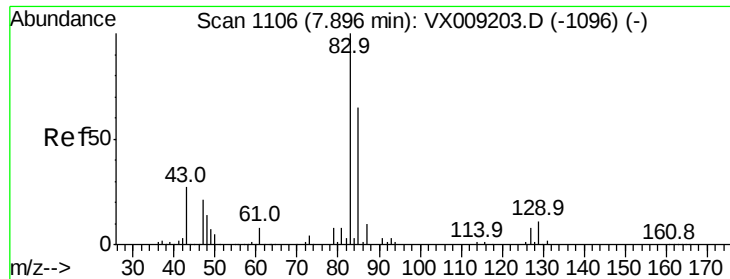


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 16.660 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009820.D

Acq: 22 May 2019 22:34

Instrument :

MSVOA_X

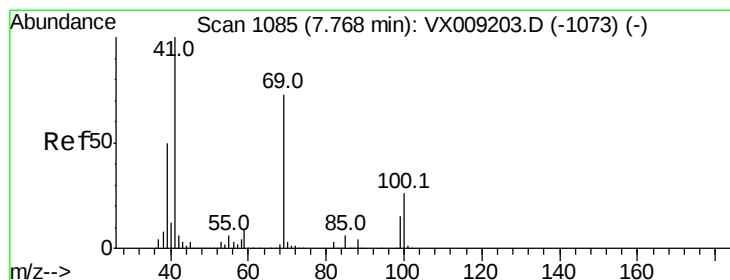
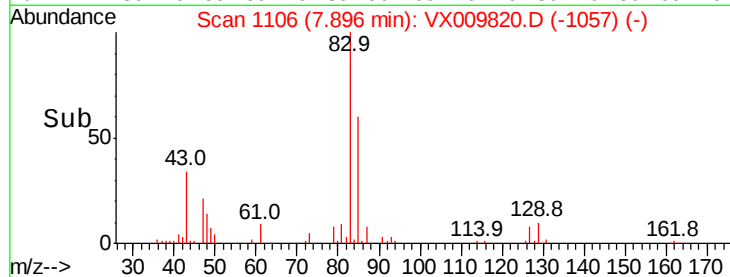
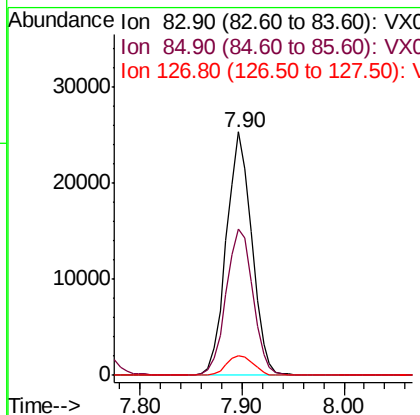
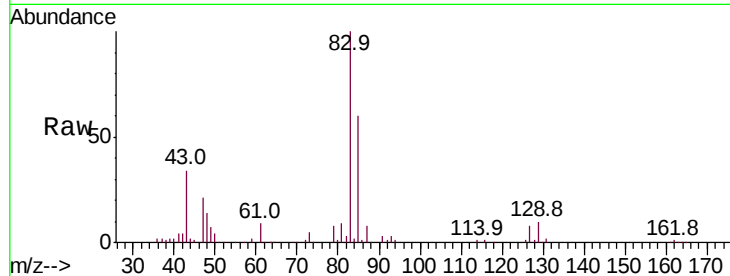
ClientSampleId :

VX0522MBS02

Tot Ion:	83	Resp:	43843
Ion	Ratio	Lower	Upper
83	100		
85	60.1	52.4	78.6
127	7.9	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.483 ug/l

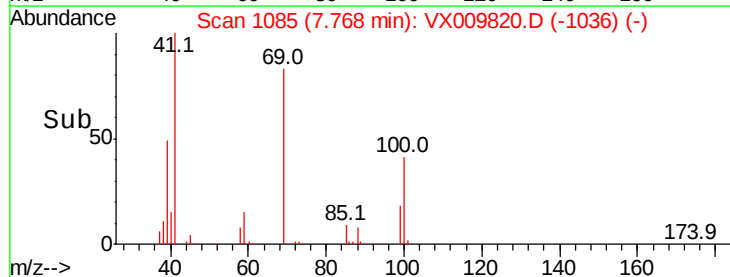
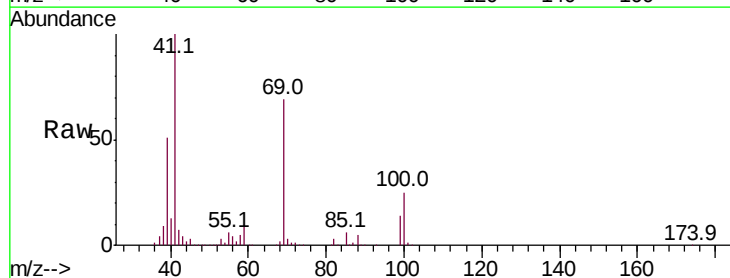
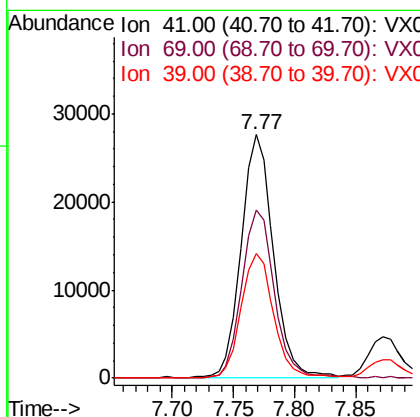
RT: 7.77 min Scan# 1085

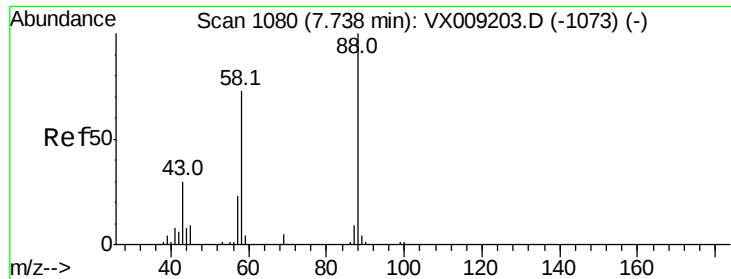
Delta R.T. -0.00 min

Lab File: VX009820.D

Acq: 22 May 2019 22:34

Tgt Ion:	41	Resp:	50116
Ion	Ratio	Lower	Upper
41	100		
69	71.1	59.1	88.7
39	51.9	40.4	60.6





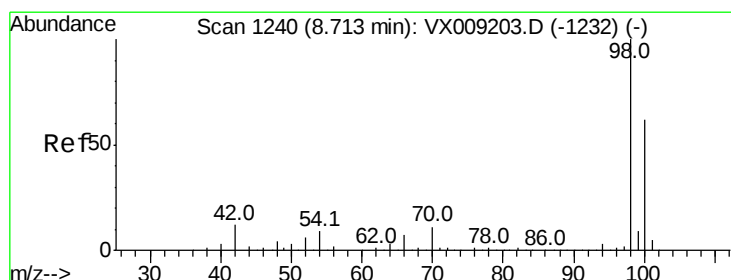
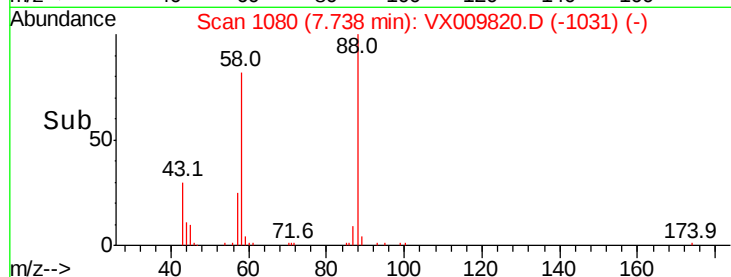
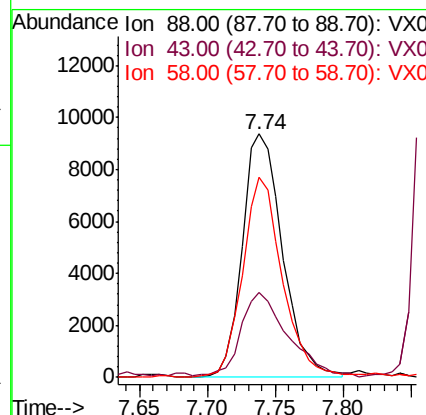
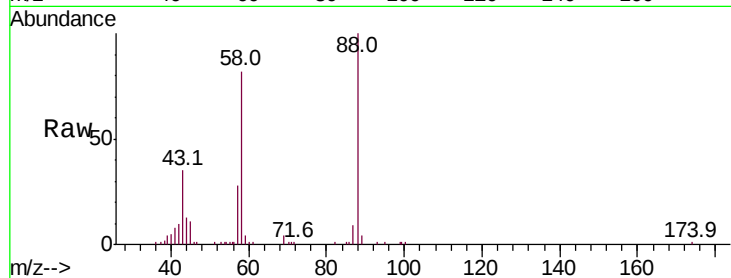
#49
1,4-Dioxane
Concen: 332.705 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009820.D
Acq: 22 May 2019 22:34

Instrument :
MSVOA_X
ClientSampleId :
VX0522MBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.5	28.6	42.8
58	81.3	61.7	92.5

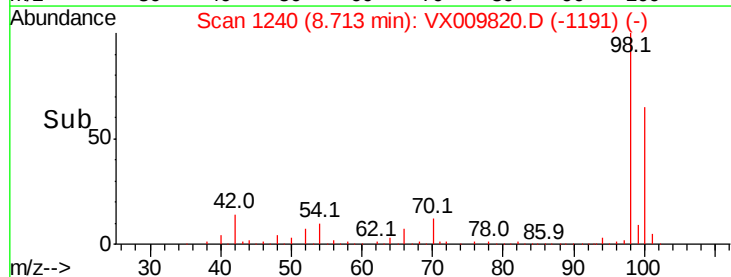
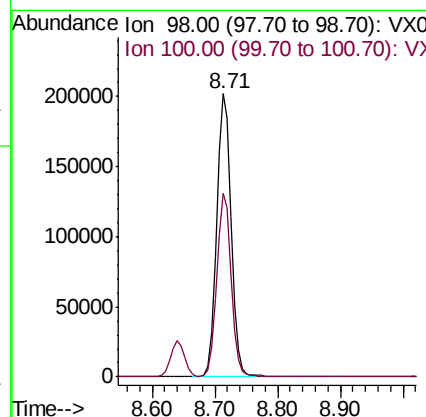
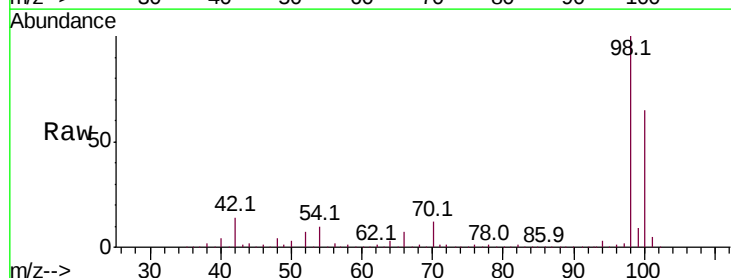
Manual Integrations
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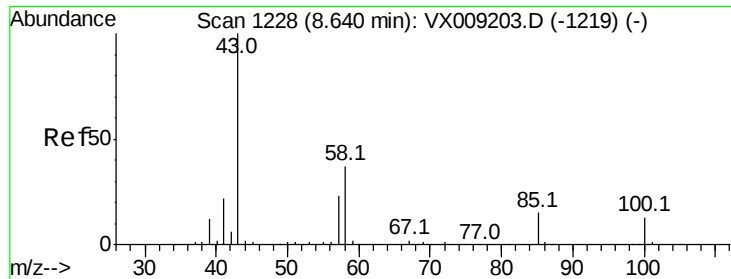
MMDadoda
5/23/2019 10:38:34 AM



#50
Toluene-d8
Concen: 45.393 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009820.D
Acq: 22 May 2019 22:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 88.520 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009820.D

Acq: 22 May 2019 22:34

Instrument :

MSVOA_X

ClientSampleId :

VX0522MBS02

Tot Ion: 43 Resp: 334297

Ion Ratio Lower Upper

43 100

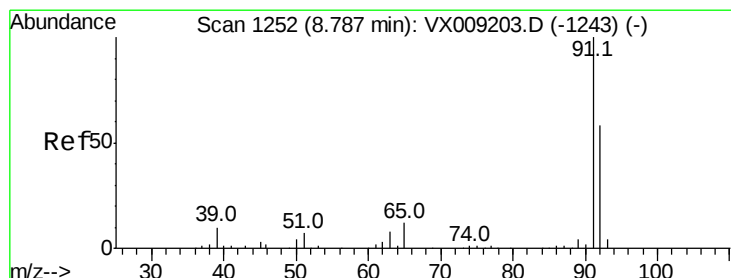
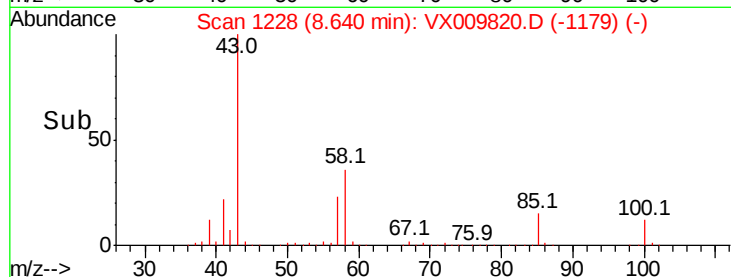
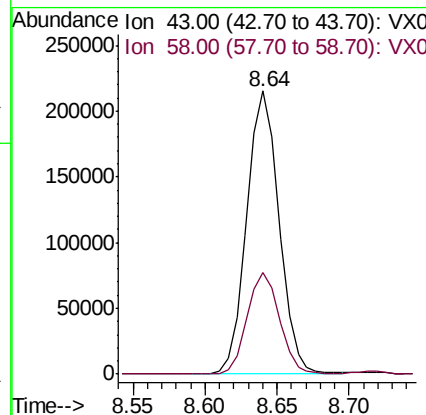
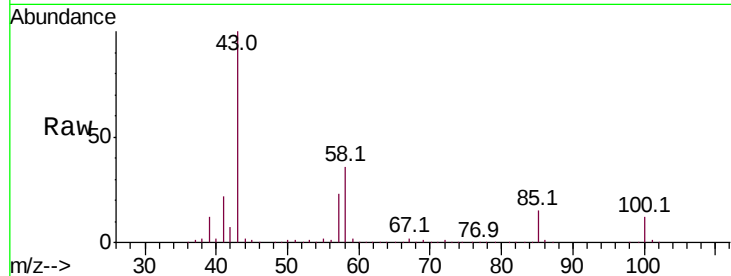
58 35.8 29.5 44.3

Manual Integrations

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5/23/2019 10:38:34 AM



#52

Toluene

Concen: 17.025 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009820.D

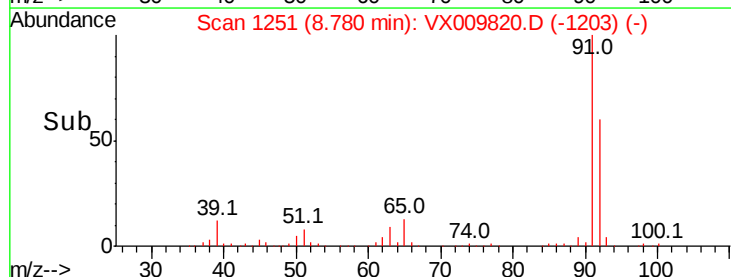
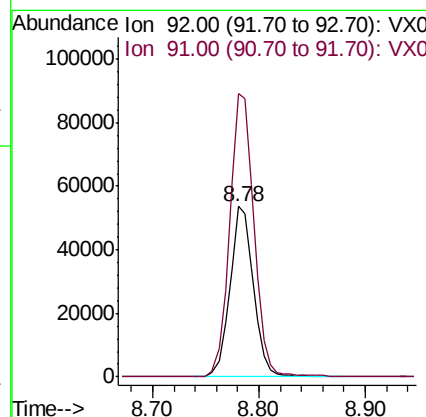
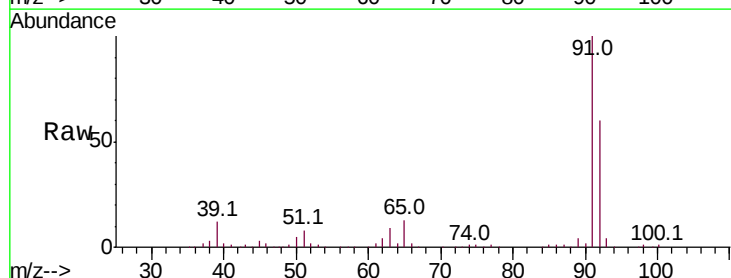
Acq: 22 May 2019 22:34

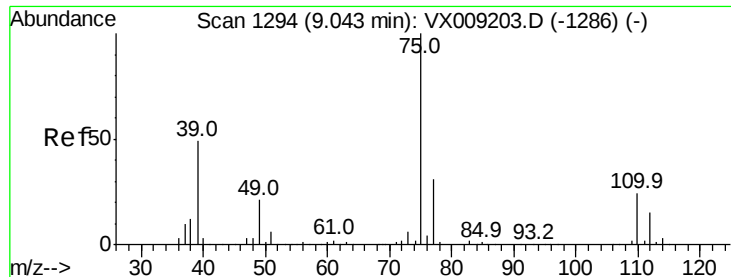
Tgt Ion: 92 Resp: 83034

Ion Ratio Lower Upper

92 100

91 171.8 138.8 208.2





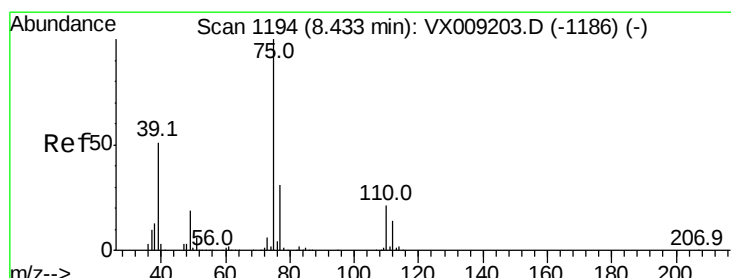
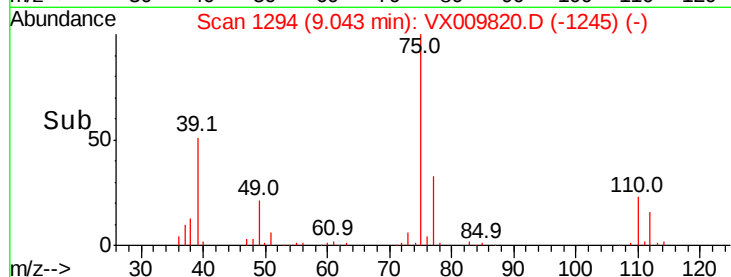
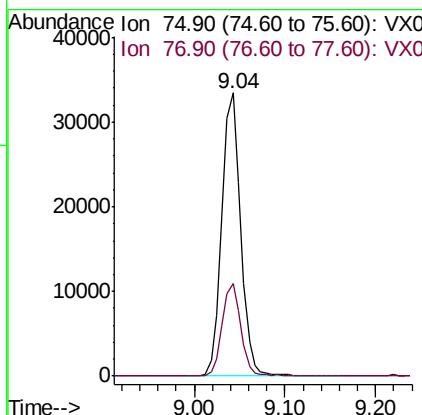
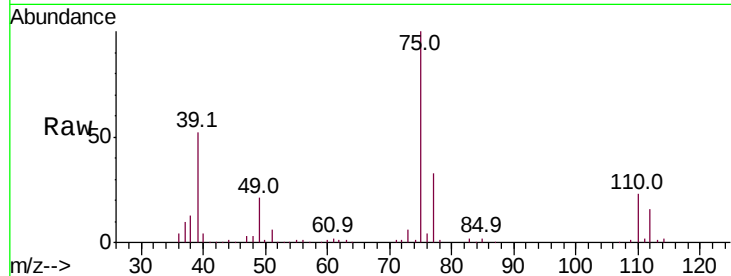
#53
t-1,3-Dichloropropene
Concen: 16.408 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009820.D
Acq: 22 May 2019 22:34

Instrument :
MSVOA_X
ClientSampleId :
VX0522MBS02

Tot Ion: 75 Resp: 48752
Ion Ratio Lower Upper
75 100
77 32.8 25.0 37.6

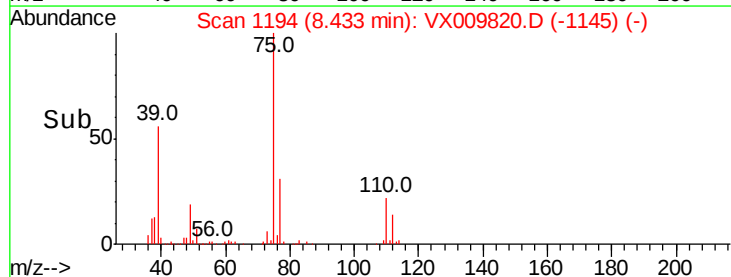
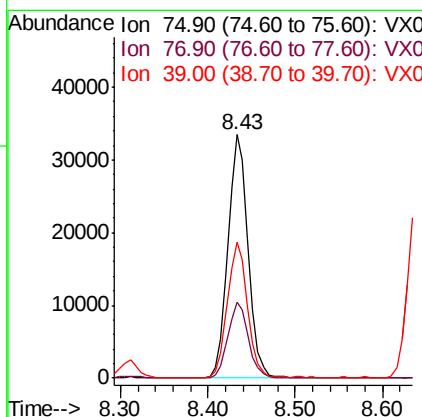
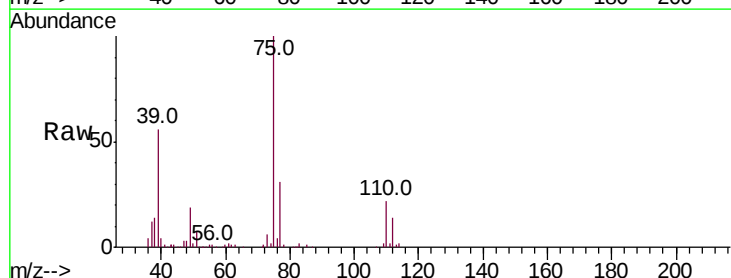
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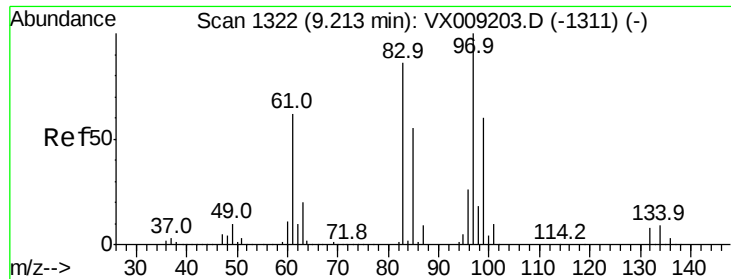
MMDadoda
5/23/2019 10:38:34 AM



#54
cis-1,3-Dichloropropene
Concen: 16.285 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009820.D
Acq: 22 May 2019 22:34

Tgt Ion: 75 Resp: 53557
Ion Ratio Lower Upper
75 100
77 31.3 24.6 36.8
39 55.9 40.6 60.8





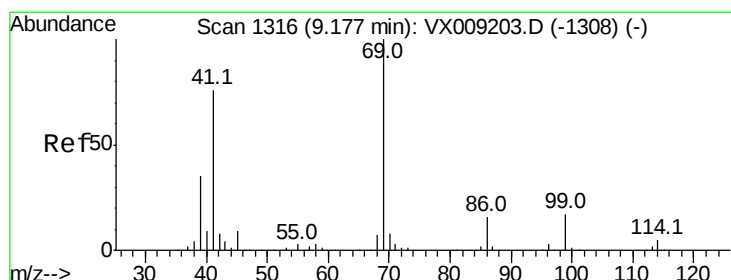
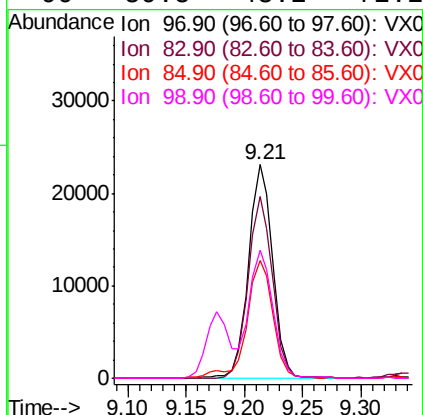
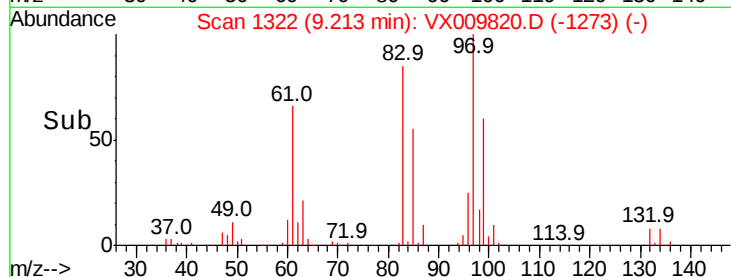
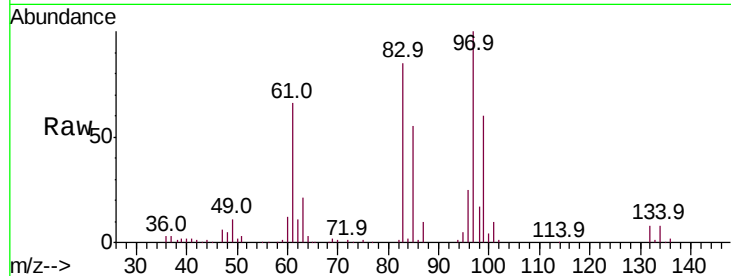
#55
1,1,2-Trichloroethane
Concen: 16.921 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX009820.D
Acq: 22 May 2019 22:34

Instrument :
MSVOA_X
ClientSampleId :
VX0522MBS02

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.3	68.9	103.3
85	55.0	43.8	65.6
99	59.5	48.2	72.2

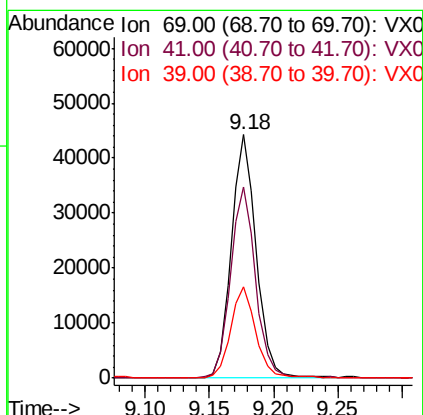
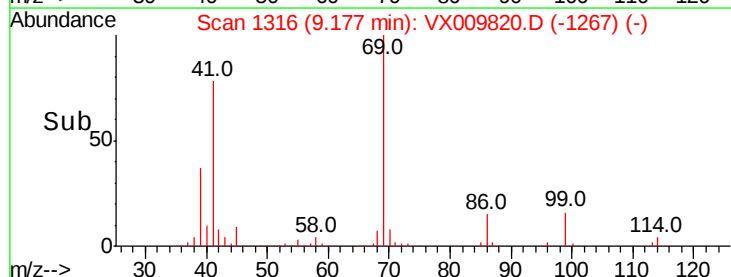
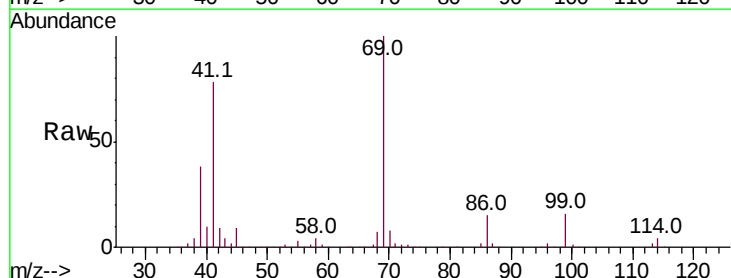
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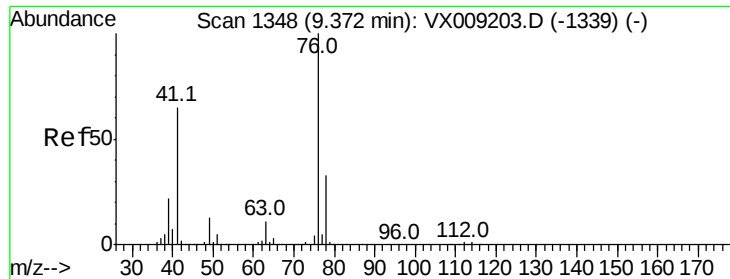
MMDadoda
5/23/2019 10:38:34 AM



#56
Ethyl methacrylate
Concen: 16.845 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VX009820.D
Acq: 22 May 2019 22:34

Tgt Ion	Ratio	Lower	Upper
69	100		
41	78.7	60.6	90.8
39	37.4	28.2	42.4





#57

1,3-Dichloropropane

Concen: 16.759 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX009820.D

Acq: 22 May 2019 22:34

Instrument :

MSVOA_X

ClientSampleId :

VX0522MBS02

Tot Ion: 76 Resp: 58681

Ion Ratio Lower Upper

76 100

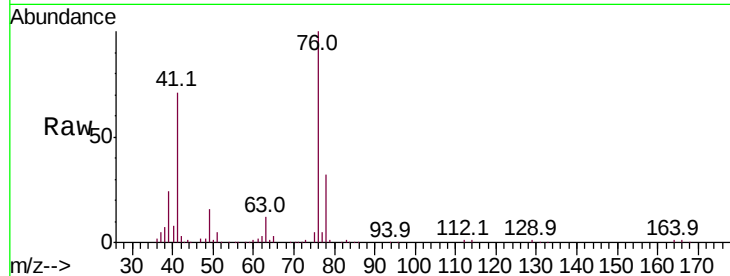
78 32.4 25.5 38.3

Manual Integrations

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MMDadoda

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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

40000

30000

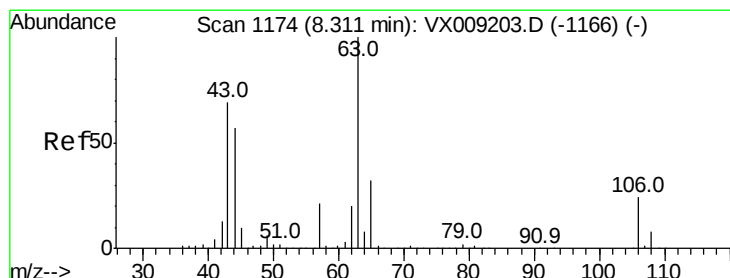
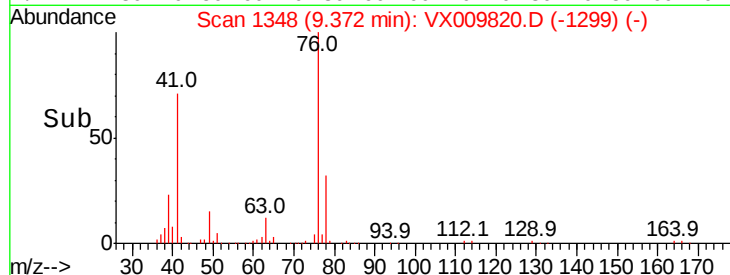
20000

10000

0

9.30 9.35 9.40 9.45

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 84.116 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX009820.D

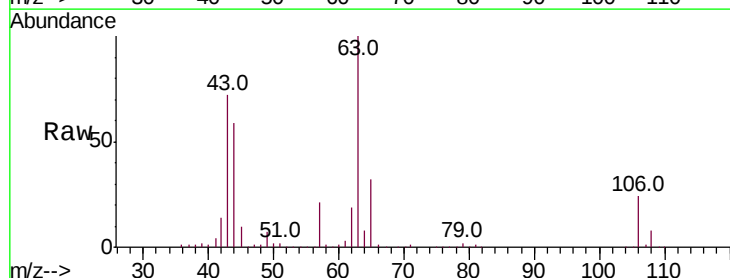
Acq: 22 May 2019 22:34

Tgt Ion: 63 Resp: 158494

Ion Ratio Lower Upper

63 100

106 24.1 19.7 29.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

120000

100000

80000

60000

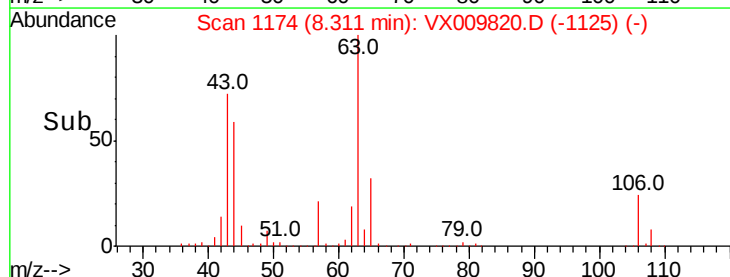
40000

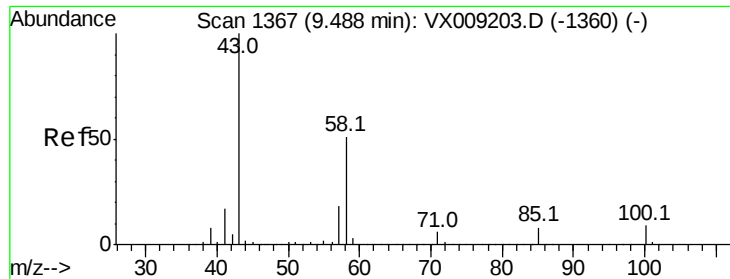
20000

0

8.20 8.30 8.40

Time-->





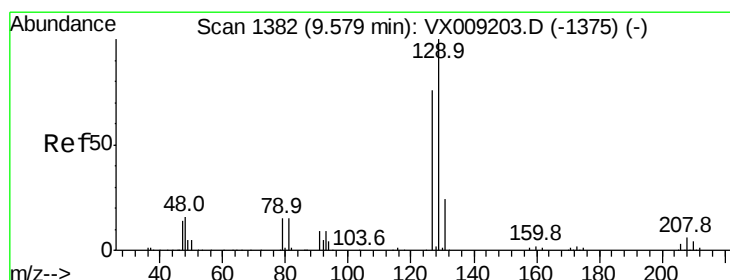
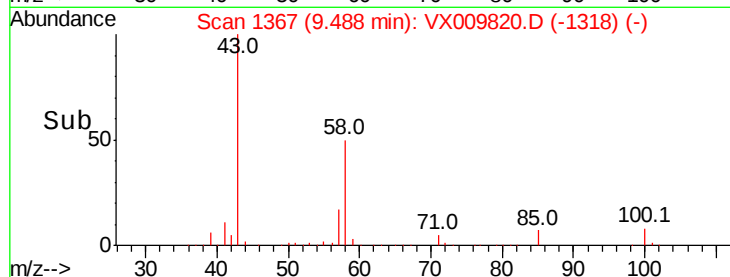
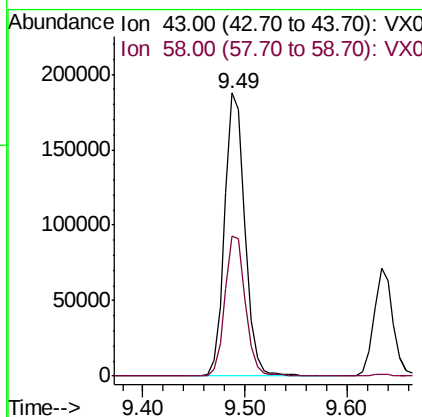
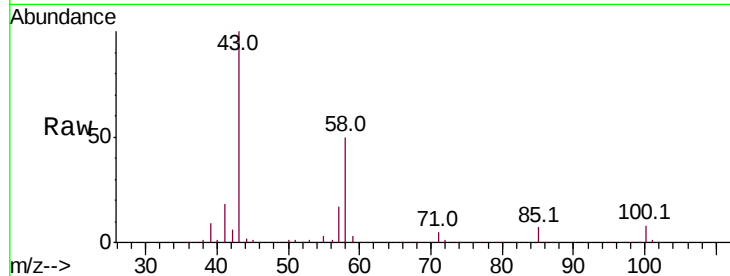
#59
2-Hexanone
Concen: 86.817 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009820.D
Acq: 22 May 2019 22:34

Instrument :
MSVOA_X
ClientSampleId :
VX0522MBS02

Tot Ion: 43 Resp: 257501
Ion Ratio Lower Upper
43 100
58 50.4 25.9 77.7

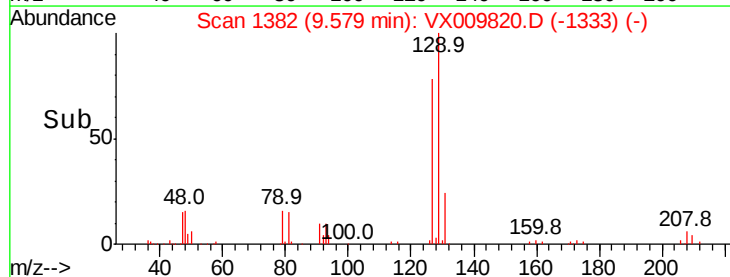
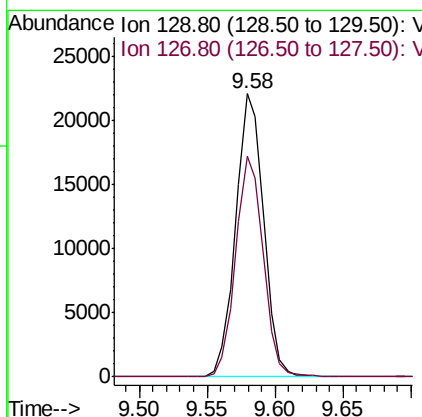
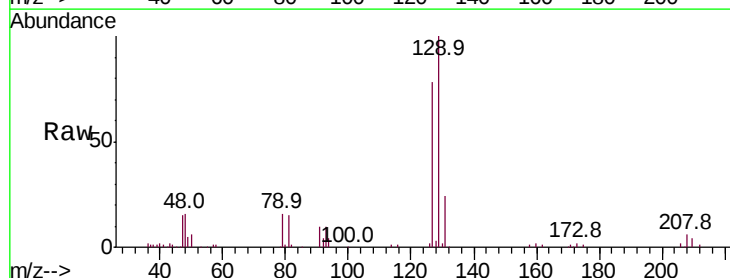
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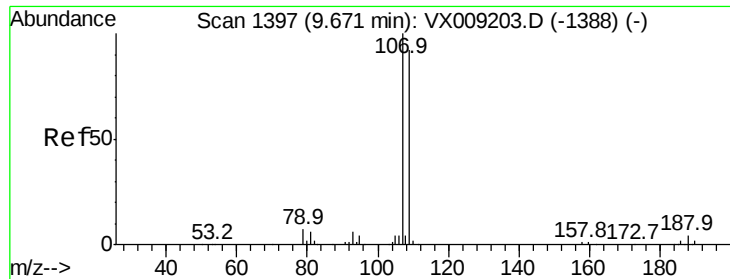
MMDadoda
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#60
Dibromochloromethane
Concen: 16.264 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009820.D
Acq: 22 May 2019 22:34

Tgt Ion: 129 Resp: 31606
Ion Ratio Lower Upper
129 100
127 77.0 38.4 115.1





#61

1,2-Dibromoethane

Concen: 16.726 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009820.D

Acq: 22 May 2019 22:34

Instrument :

MSVOA_X

ClientSampleId :

VX0522MBS02

Tot Ion:107 Resp: 33594

Ion Ratio Lower Upper

107 100

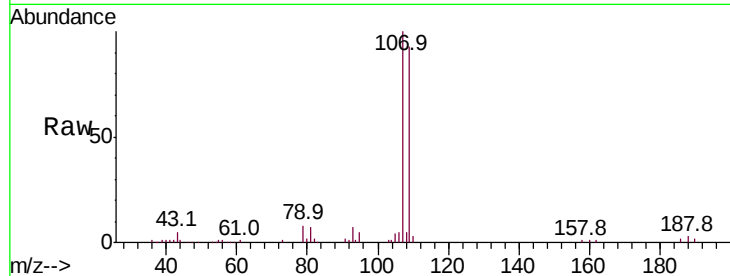
109 92.7 75.2 112.8

Manual Integrations

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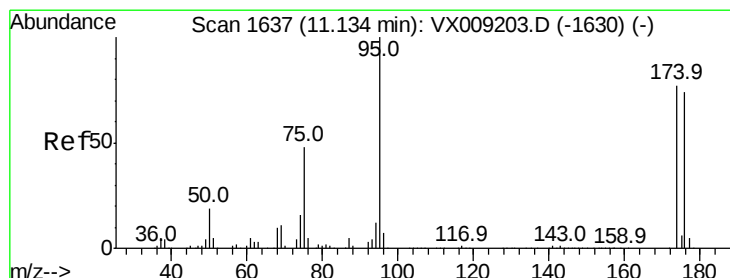
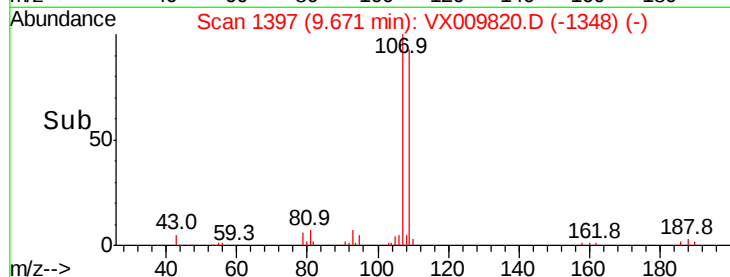
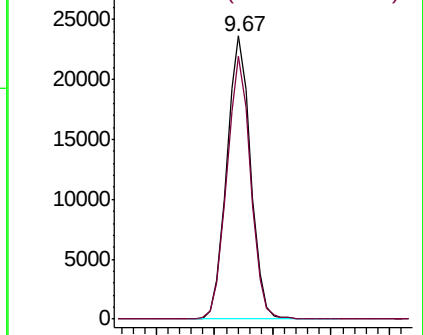
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.350 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009820.D

Acq: 22 May 2019 22:34

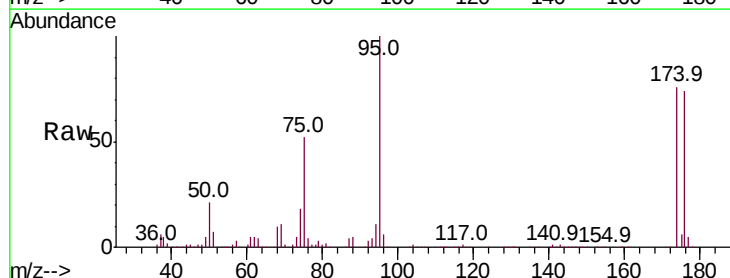
Tgt Ion: 95 Resp: 114099

Ion Ratio Lower Upper

95 100

174 81.9 0.0 161.6

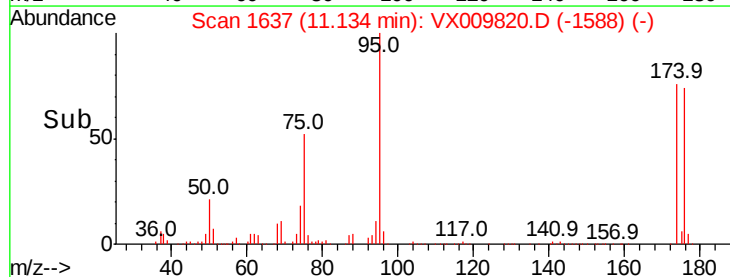
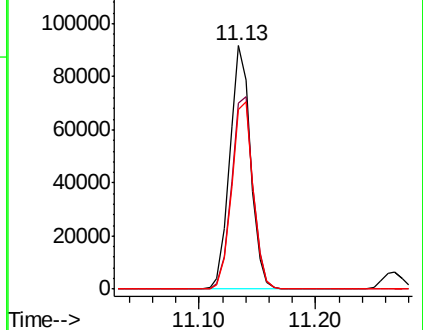
176 79.3 0.0 159.2

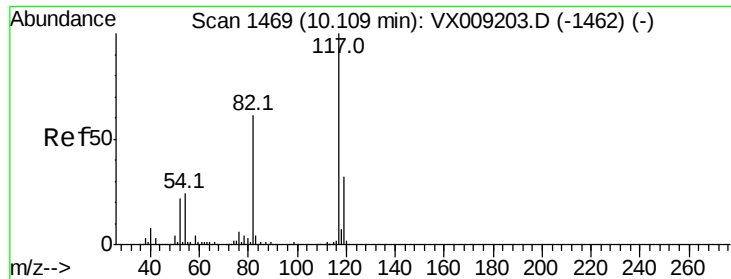


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





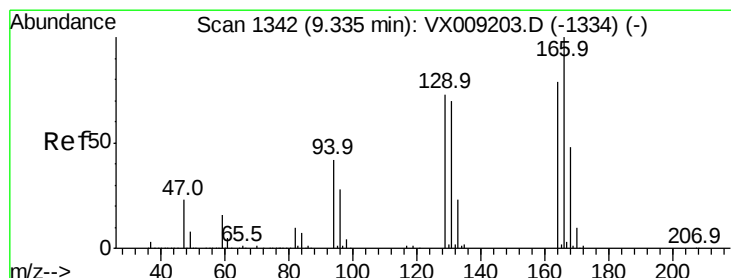
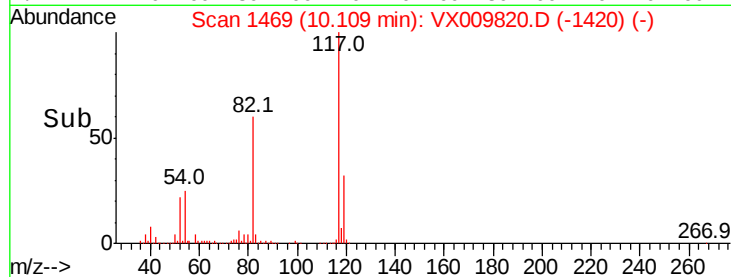
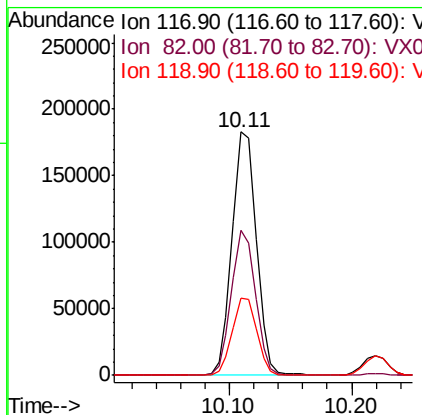
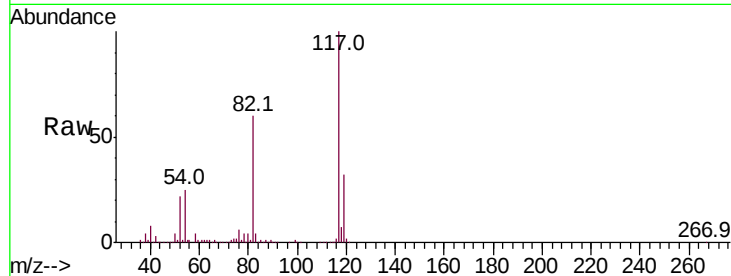
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009820.D
Acq: 22 May 2019 22:34

Instrument :
MSVOA_X
ClientSampleId :
VX0522MBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.5	48.8	73.2
119	31.7	25.8	38.6

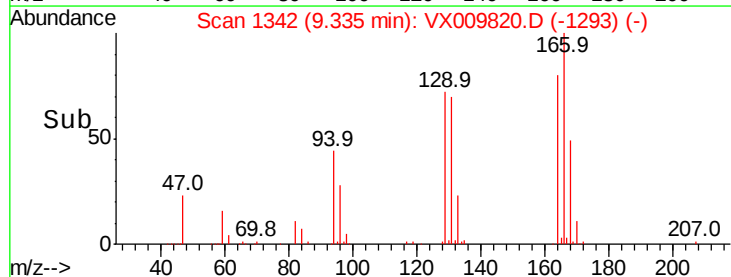
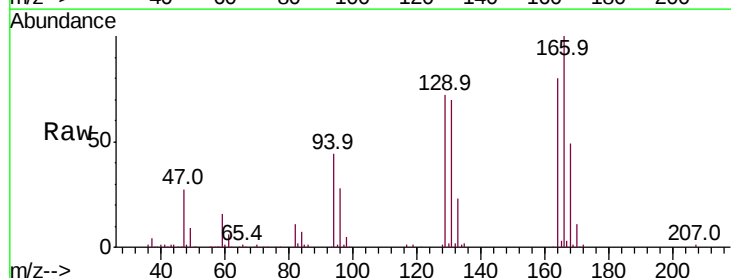
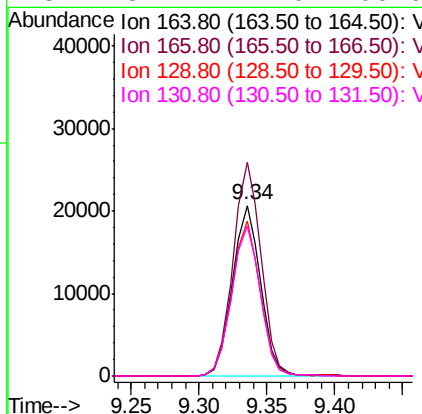
Manual Integrations
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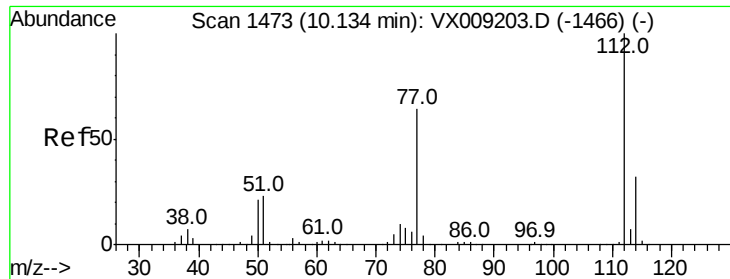
MMDadoda
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#64
Tetrachloroethene
Concen: 17.177 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009820.D
Acq: 22 May 2019 22:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.0	101.2	151.8
129	90.5	74.3	111.5
131	87.7	71.0	106.6





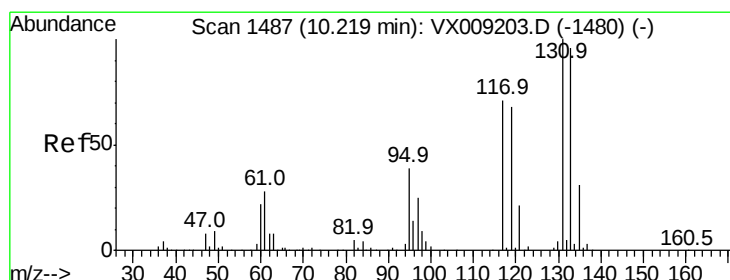
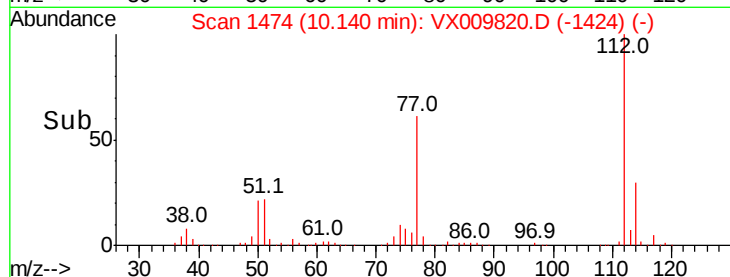
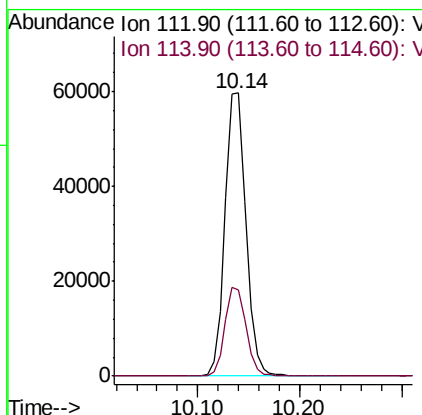
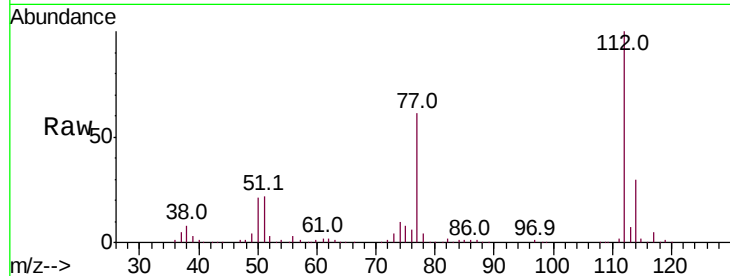
#65
Chlorobenzene
Concen: 16.867 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009820.D
Acq: 22 May 2019 22:34

Instrument :
MSVOA_X
ClientSampleId :
VX0522MBS02

Tot Ion:112 Resp: 85149
Ion Ratio Lower Upper
112 100
114 30.5 25.5 38.3

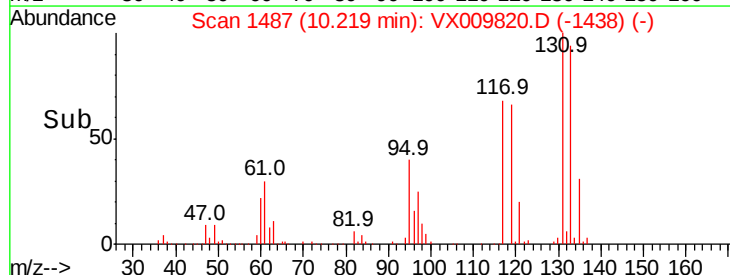
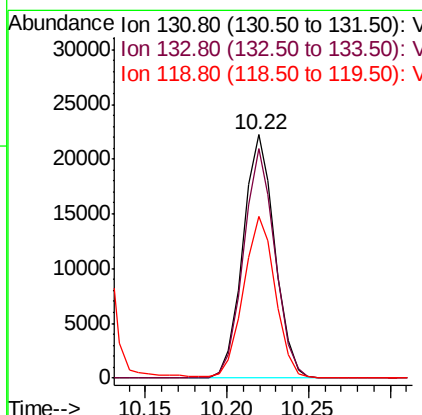
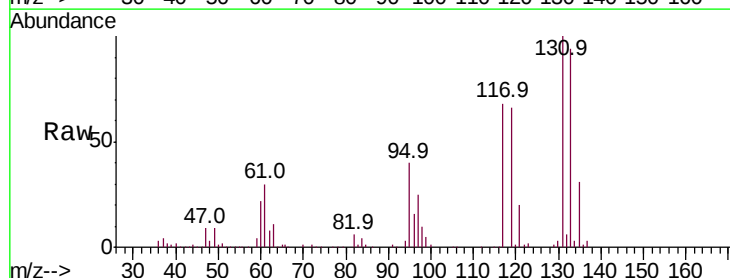
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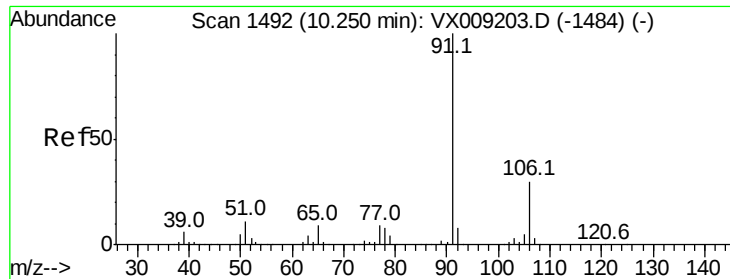
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#66
1,1,1,2-Tetrachloroethane
Concen: 16.514 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009820.D
Acq: 22 May 2019 22:34

Tgt Ion:131 Resp: 30224
Ion Ratio Lower Upper
131 100
133 93.2 47.7 143.1
119 67.2 33.5 100.4





#67

Ethyl Benzene

Concen: 16.935 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009820.D

Acq: 22 May 2019 22:34

Instrument :

MSVOA_X

ClientSampleId :

VX0522MBS02

Tot Ion: 91 Resp: 157338

Ion Ratio Lower Upper

91 100

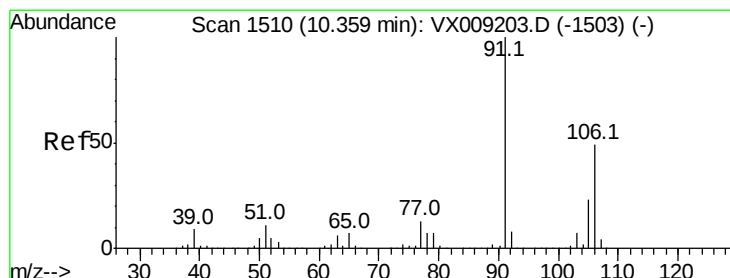
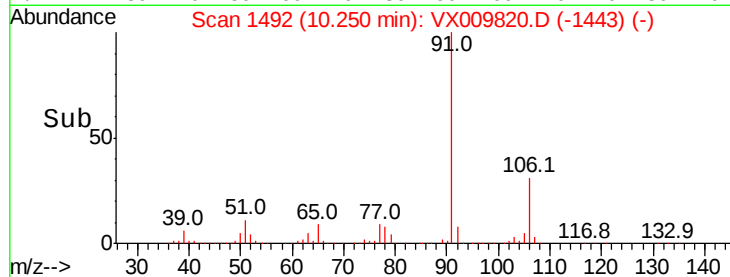
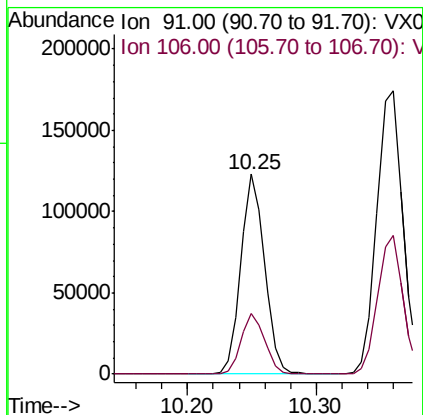
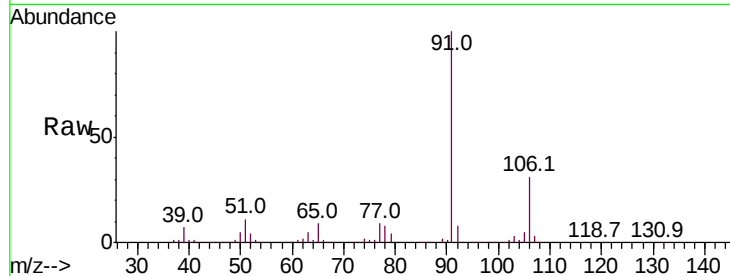
106 30.6 24.0 36.0

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#68

m/p-Xylenes

Concen: 34.105 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009820.D

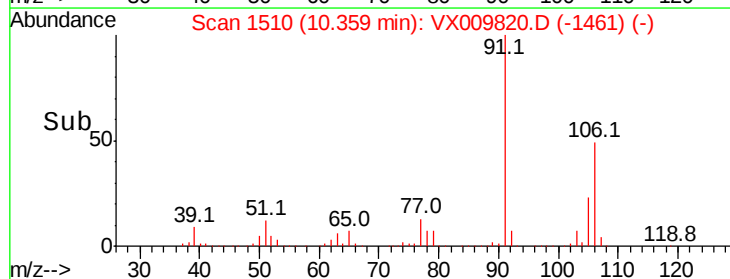
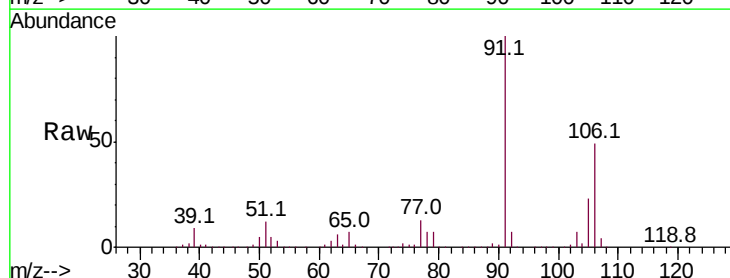
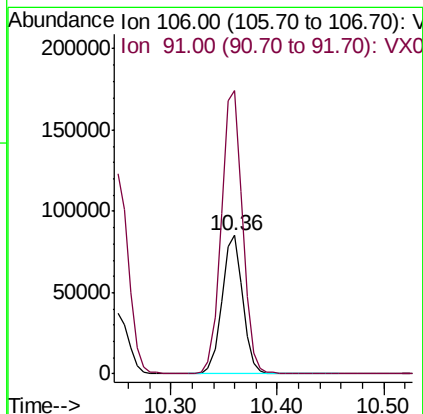
Acq: 22 May 2019 22:34

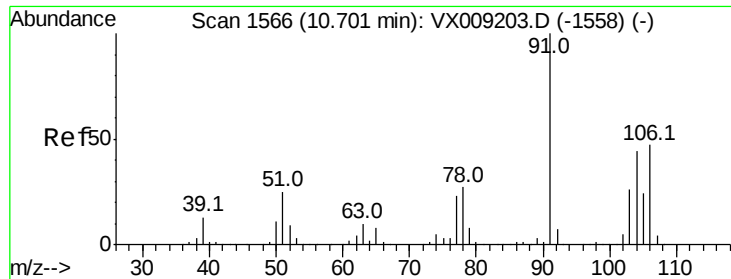
Tgt Ion: 106 Resp: 115793

Ion Ratio Lower Upper

106 100

91 209.2 164.0 246.0





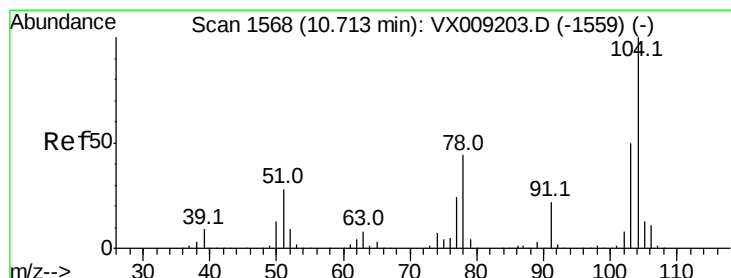
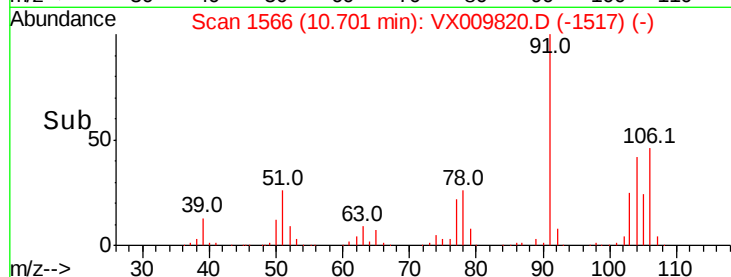
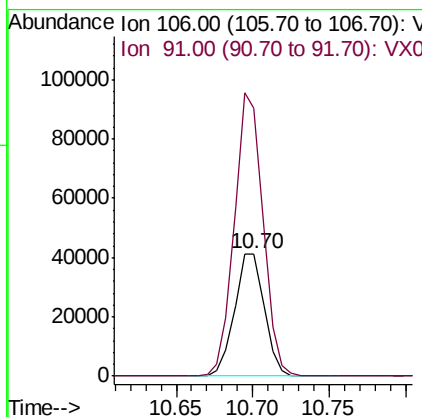
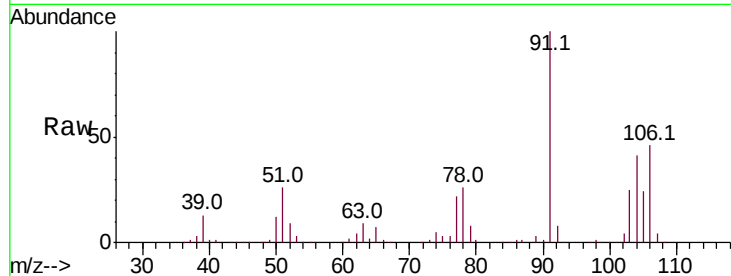
#69
o-Xylene
Concen: 16.652 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX009820.D
Acq: 22 May 2019 22:34

Instrument :
MSVOA_X
ClientSampled :
VX0522MBS02

Tot Ion:106 Resp: 55783
Ion Ratio Lower Upper
106 100
91 223.0 109.5 328.4

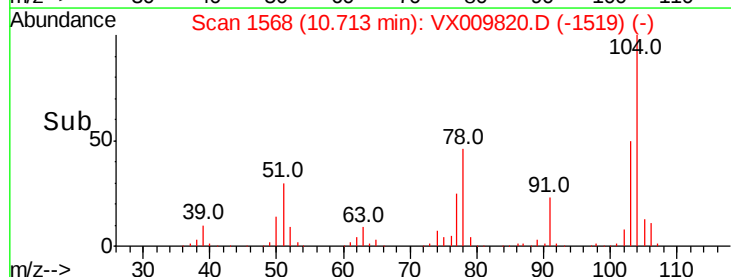
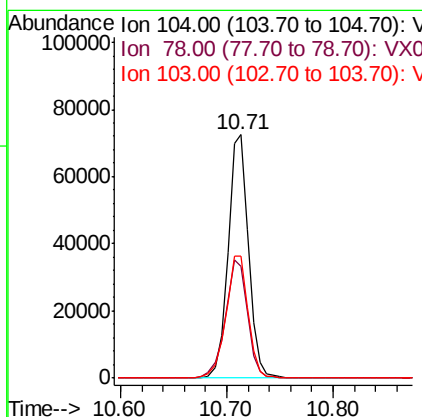
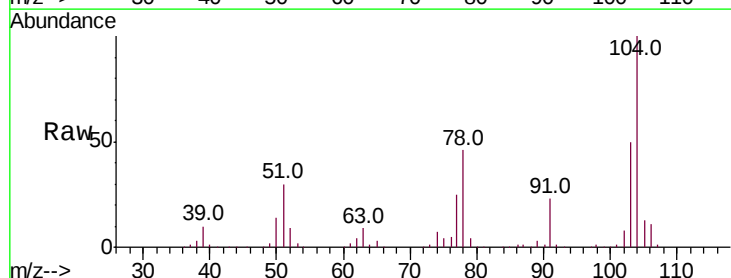
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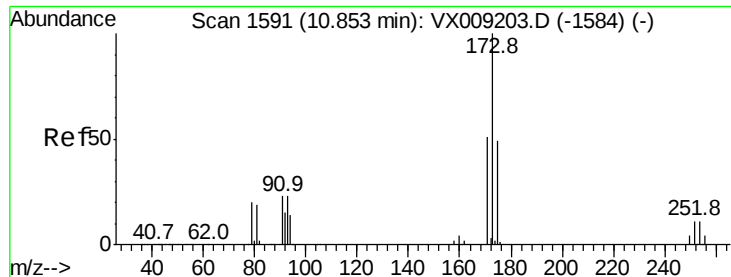
MMDadoda
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#70
Styrene
Concen: 16.696 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009820.D
Acq: 22 May 2019 22:34

Tgt Ion:104 Resp: 97211
Ion Ratio Lower Upper
104 100
78 52.6 41.0 61.4
103 54.5 43.8 65.6





#71

Bromoform

Concen: 15.796 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009820.D

Acq: 22 May 2019 22:34

Instrument :

MSVOA_X

ClientSampleId :

VX0522MBS02

Tot Ion:173 Resp: 23494

Ion Ratio Lower Upper

173 100

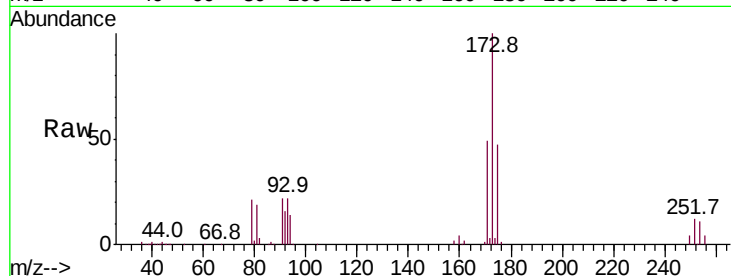
175 48.3 24.5 73.5

254 0.0 0.1 0.1#

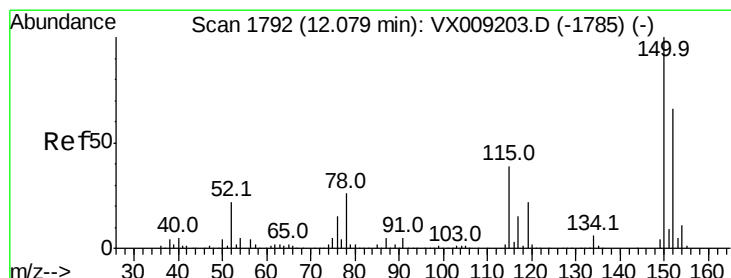
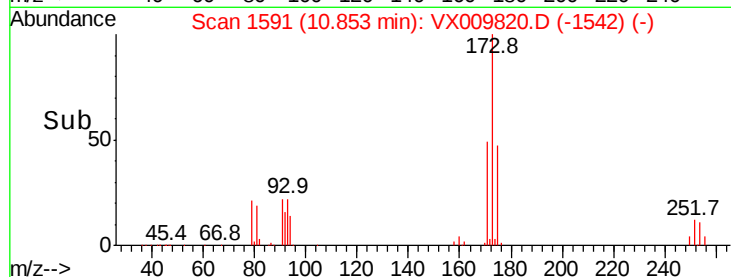
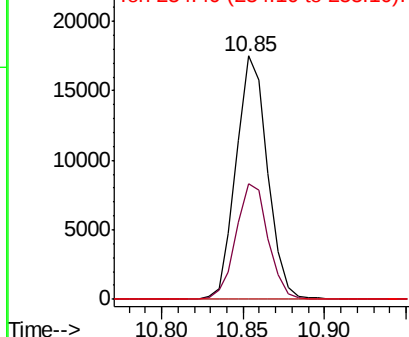
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009820.D

Acq: 22 May 2019 22:34

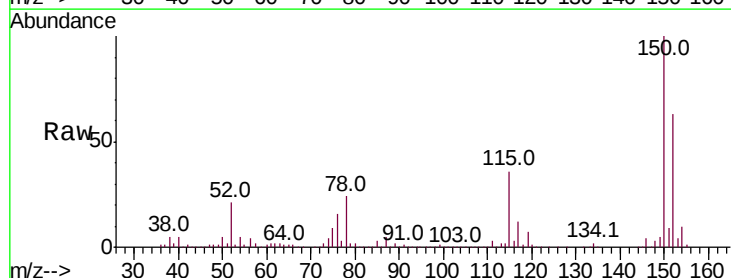
Tgt Ion:152 Resp: 123392

Ion Ratio Lower Upper

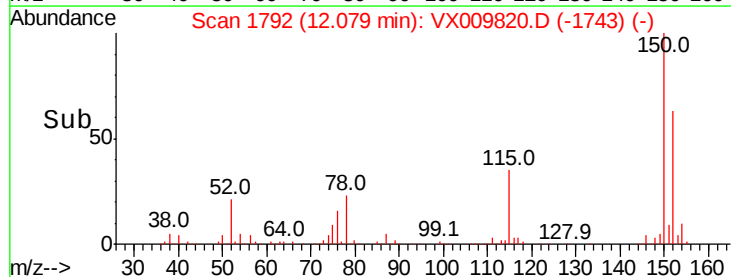
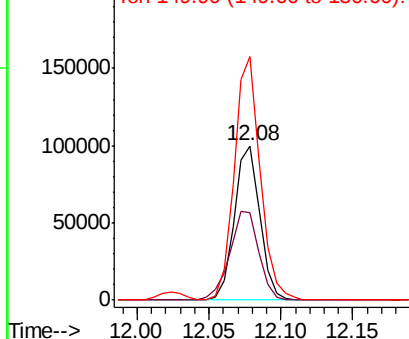
152 100

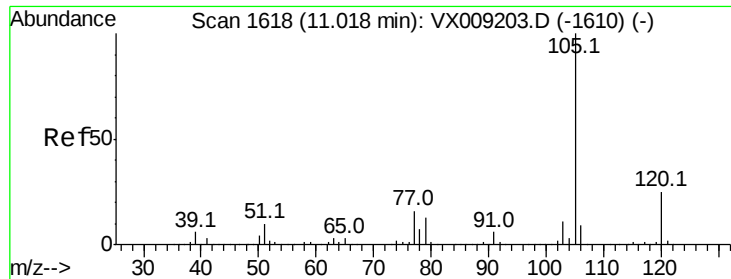
115 65.8 41.2 123.6

150 161.1 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 16.856 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009820.D

Acq: 22 May 2019 22:34

Instrument :

MSVOA_X

ClientSampled :

VX0522MBS02

Tot Ion:105 Resp: 151248

Ion Ratio Lower Upper

105 100

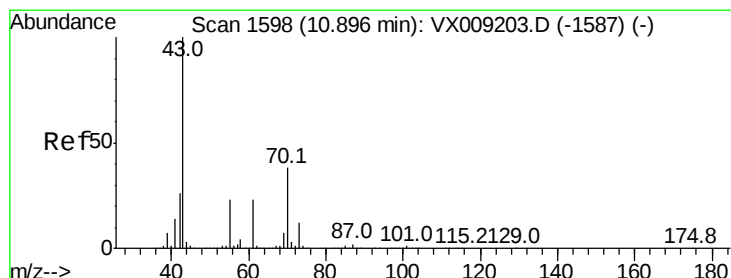
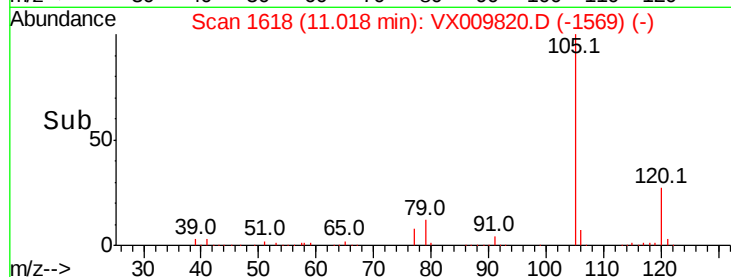
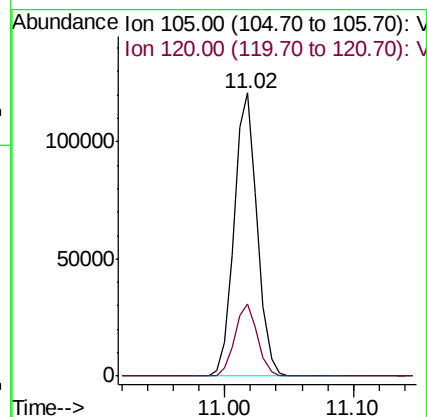
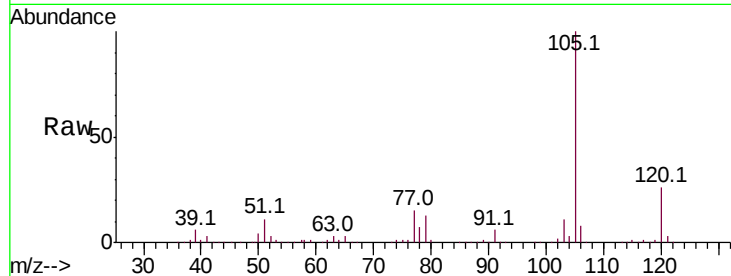
120 25.4 12.8 38.3

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#74

N-ethyl acetate

Concen: 16.851 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009820.D

Acq: 22 May 2019 22:34

Tgt Ion: 43 Resp: 88152

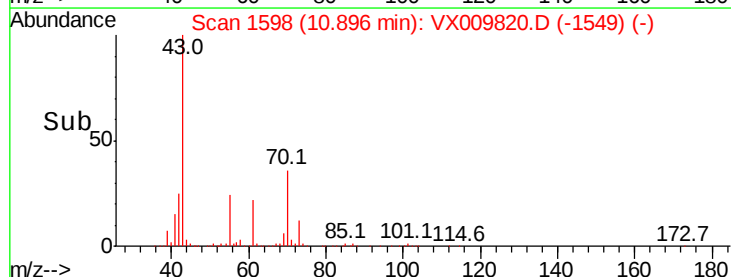
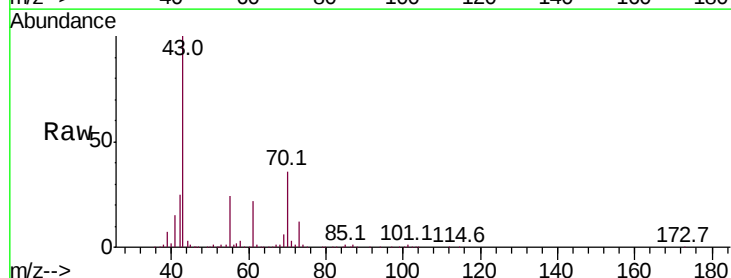
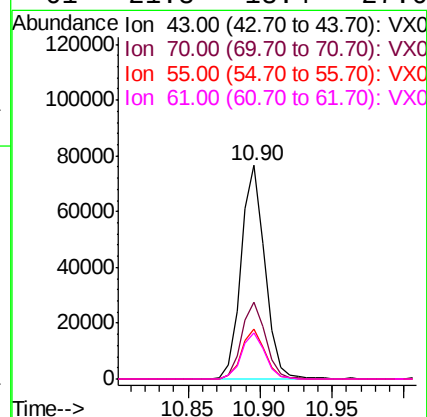
Ion Ratio Lower Upper

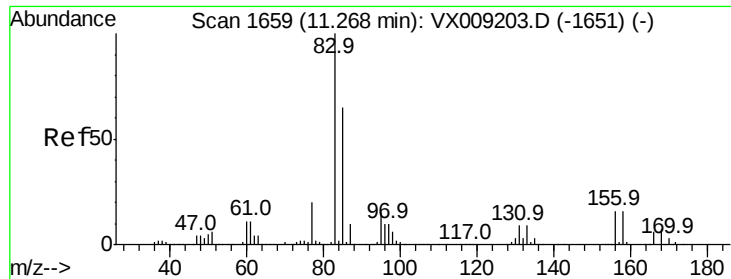
43 100

70 36.5 30.0 45.0

55 23.5 17.9 26.9

61 21.8 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 16.585 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009820.D

Acq: 22 May 2019 22:34

Instrument :

MSVOA_X

ClientSampleId :

VX0522MBS02

Tot Ion: 83 Resp: 55476

Ion Ratio Lower Upper

83 100

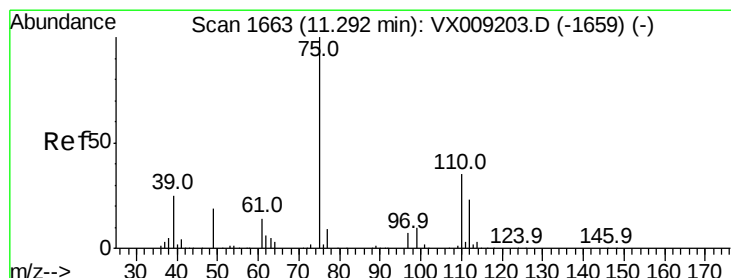
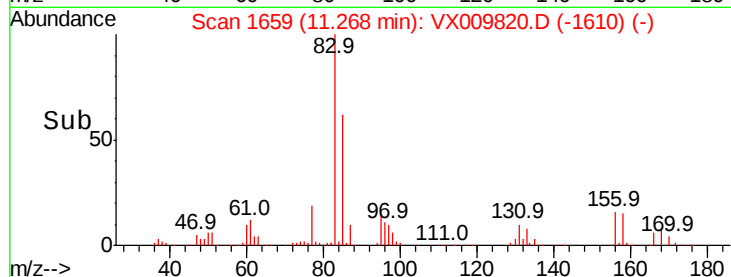
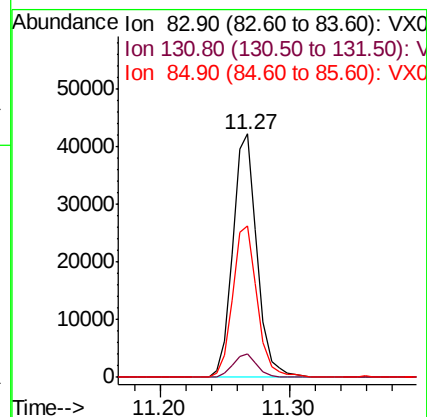
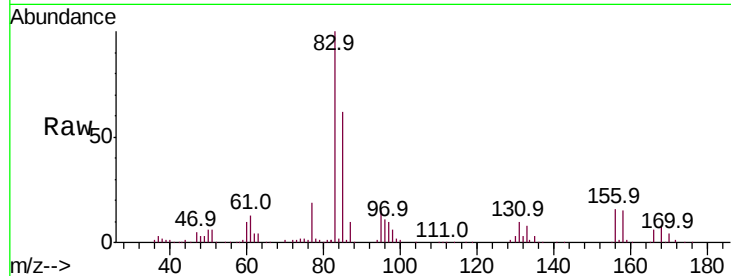
131 9.8 4.6 13.8

85 63.4 32.0 96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 16.713 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX009820.D

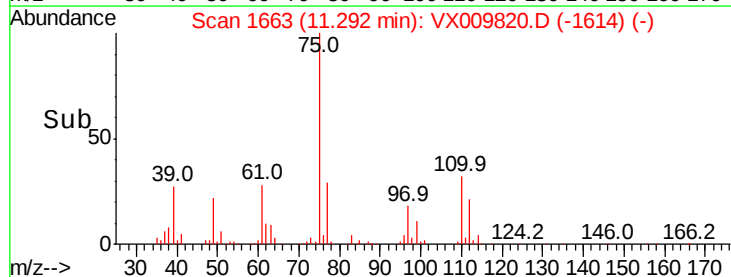
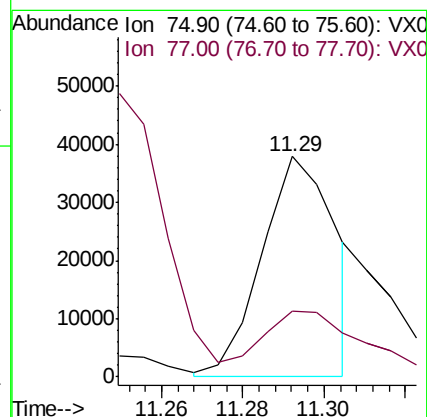
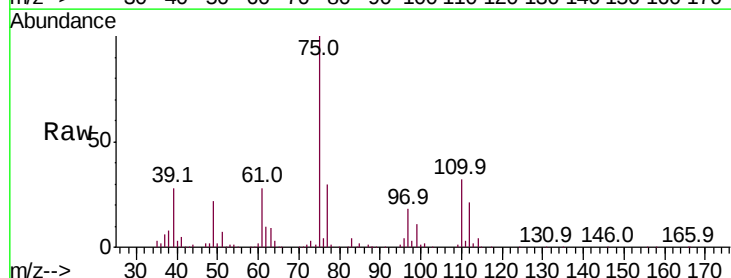
Acq: 22 May 2019 22:34

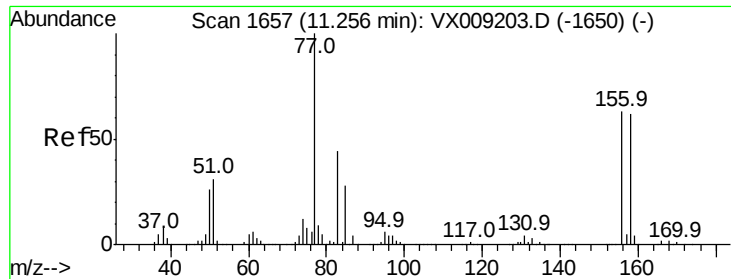
Tgt Ion: 75 Resp: 47836

Ion Ratio Lower Upper

75 100

77 42.0 22.1 66.1





#77

Bromobenzene

Concen: 16.621 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009820.D

Acq: 22 May 2019 22:34

Instrument :

MSVOA_X

ClientSampleId :

VX0522MBS02

Tot Ion:156 Resp: 37017

Ion Ratio Lower Upper

156 100

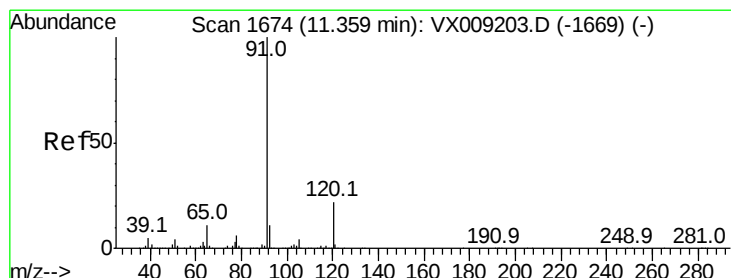
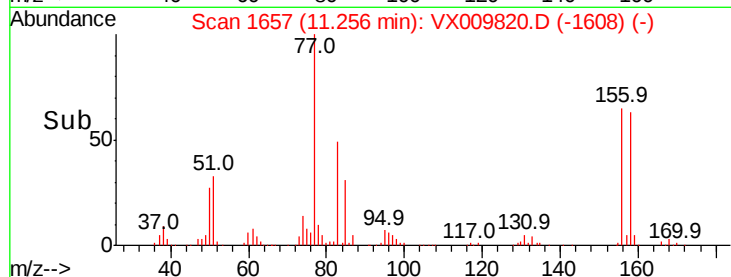
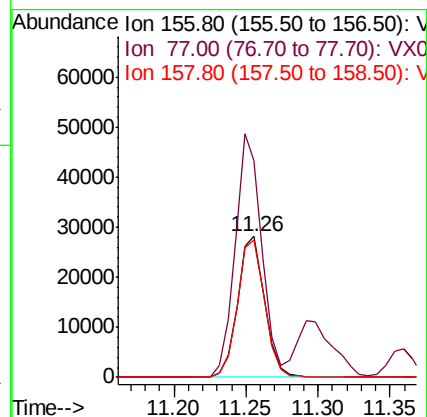
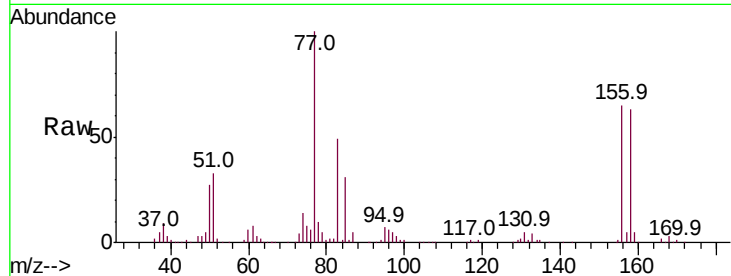
77 169.5 84.8 254.3

158 98.1 49.1 147.3

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#78

n-propylbenzene

Concen: 16.714 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009820.D

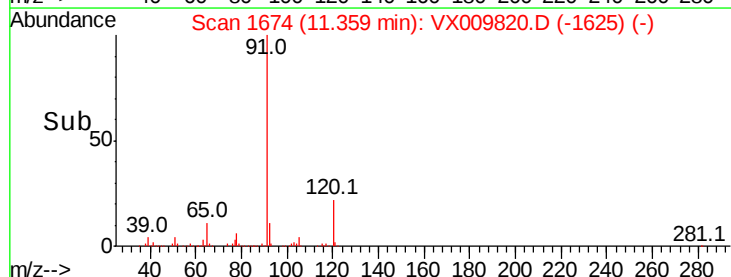
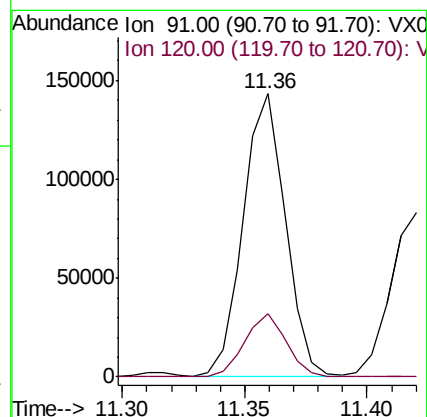
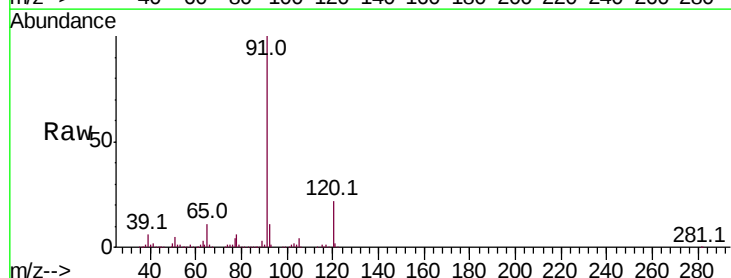
Acq: 22 May 2019 22:34

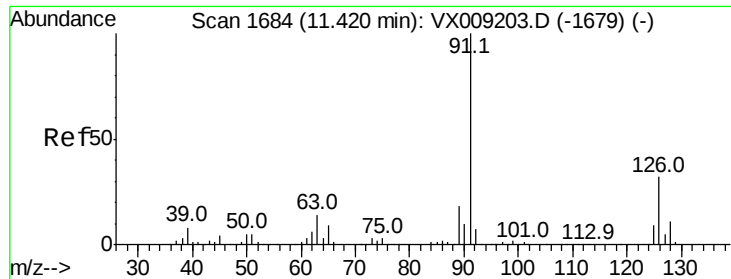
Tgt Ion: 91 Resp: 171276

Ion Ratio Lower Upper

91 100

120 22.2 11.0 33.0





#79

2-Chlorotoluene

Concen: 16.398 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009820.D

Acq: 22 May 2019 22:34

Instrument :

MSVOA_X

ClientSampleId :

VX0522MBS02

Tot Ion: 91 Resp: 103670

Ion Ratio Lower Upper

91 100

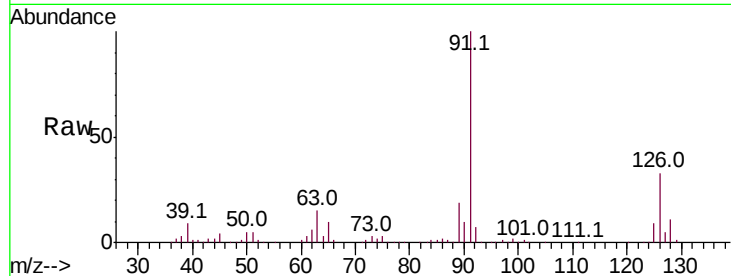
126 33.1 16.3 48.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

150000

100000

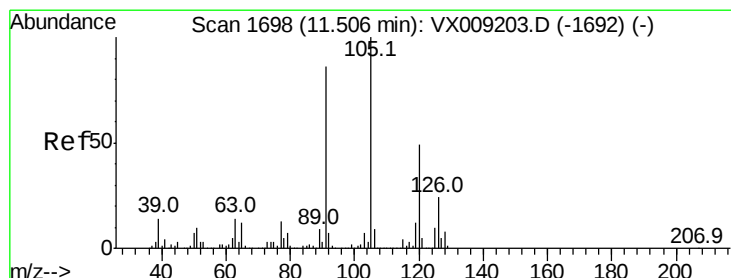
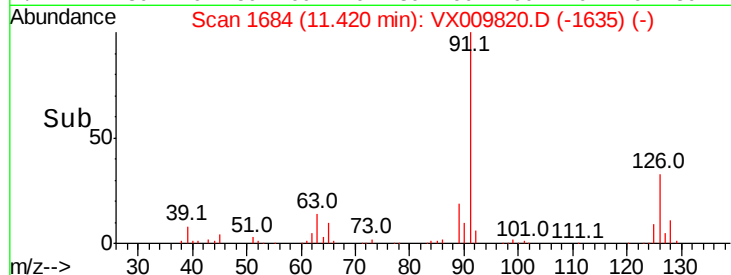
50000

0

11.42

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 16.658 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009820.D

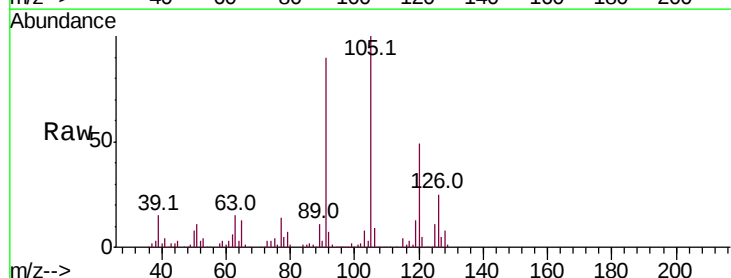
Acq: 22 May 2019 22:34

Tgt Ion:105 Resp: 125853

Ion Ratio Lower Upper

105 100

120 48.2 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

120000

100000

80000

60000

40000

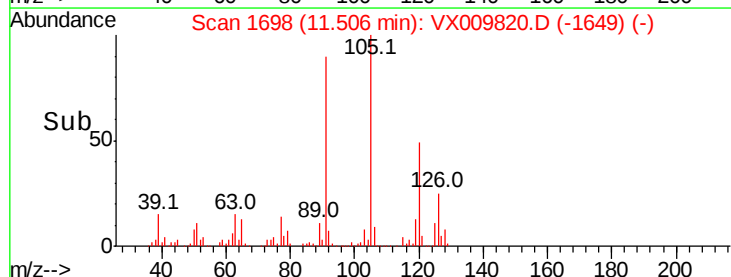
20000

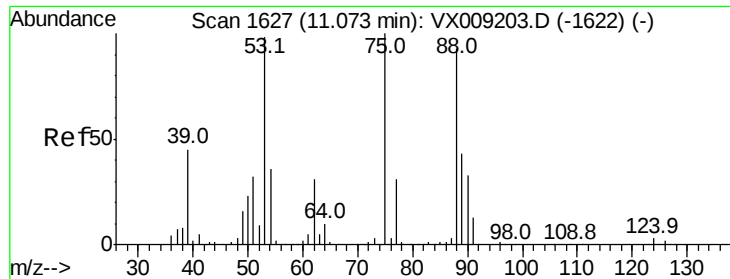
0

11.51

11.60

Time-->





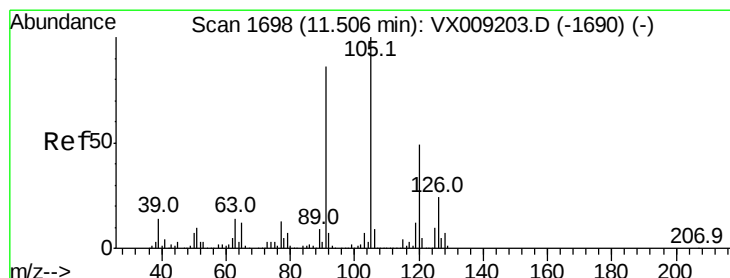
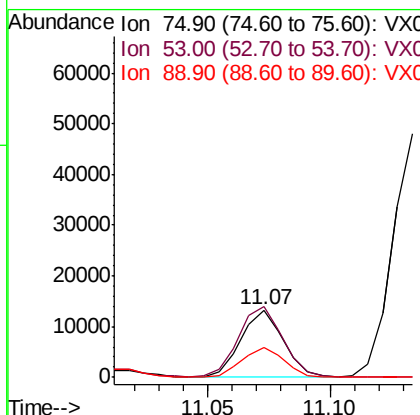
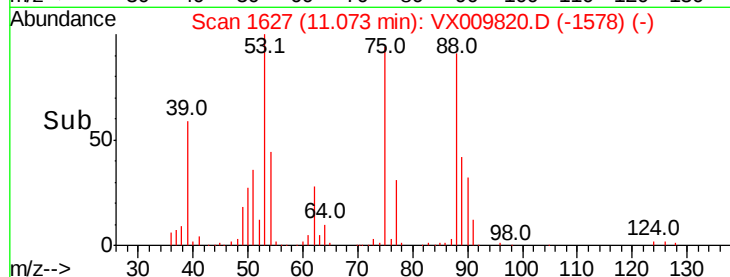
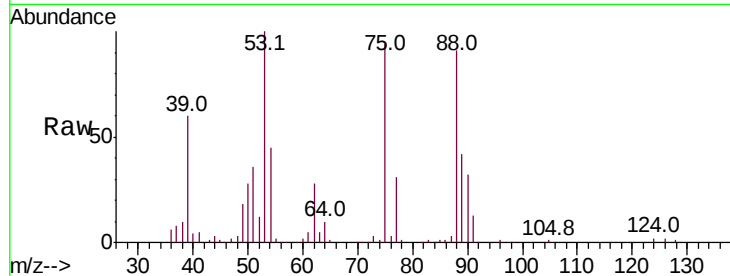
#81
trans-1,4-Dichloro-2-butene
Concen: 14.191 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX009820.D
Acq: 22 May 2019 22:34

Instrument :
MSVOA_X
ClientSampleId :
VX0522MBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	110.9	79.0	118.6
89	45.1	34.7	52.1

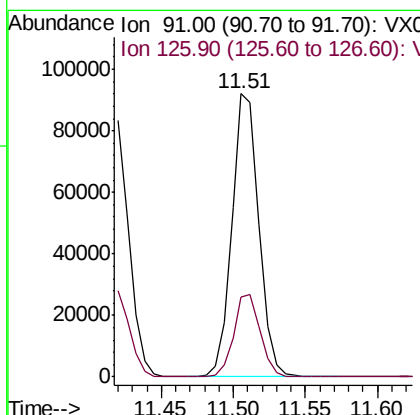
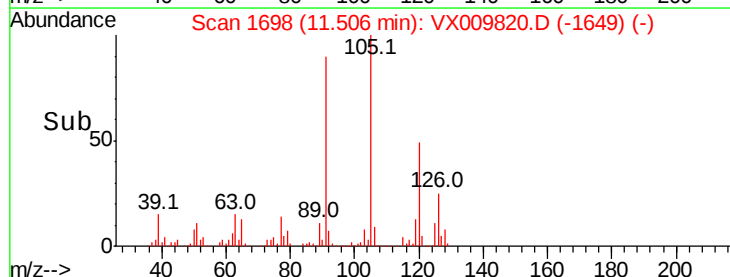
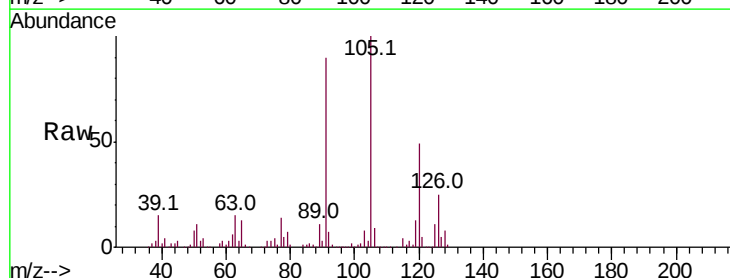
Manual Integrations
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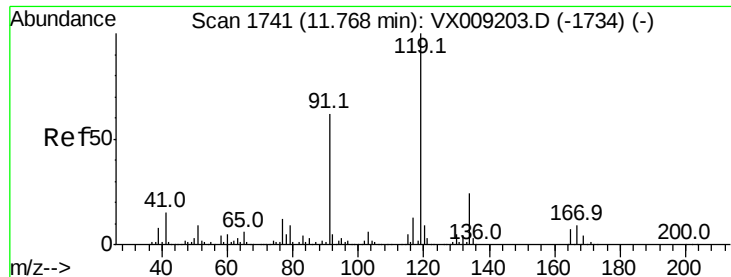
MMDadoda
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#82
4-Chlorotoluene
Concen: 16.863 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX009820.D
Acq: 22 May 2019 22:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.5	43.6





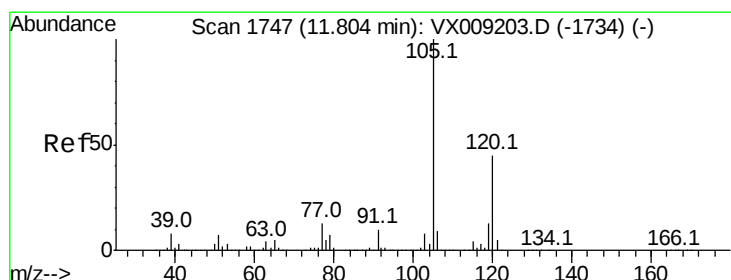
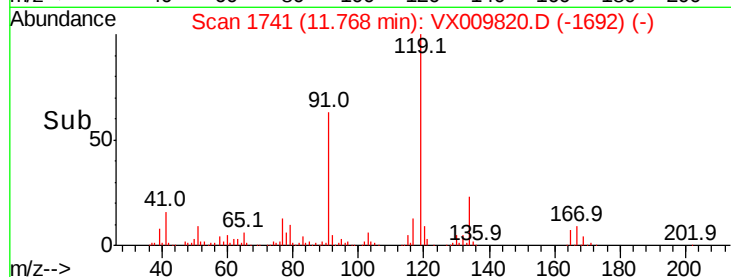
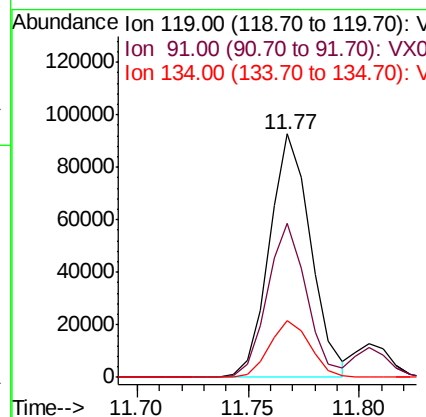
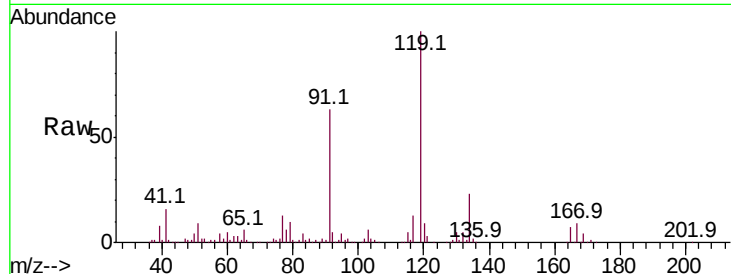
#83
tert-Butylbenzene
Concen: 16.219 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009820.D
Acq: 22 May 2019 22:34

Instrument :
MSVOA_X
ClientSampleId :
VX0522MBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	119205		
91	60.5	29.5	88.5	
134	22.8	11.4	34.1	

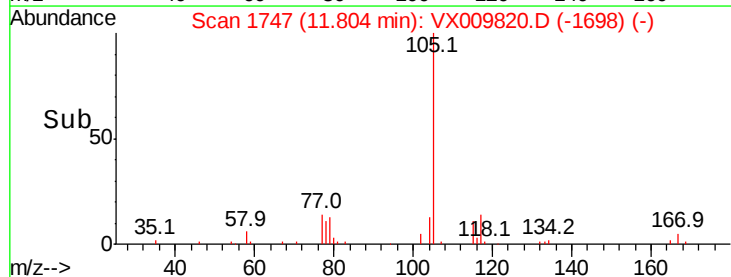
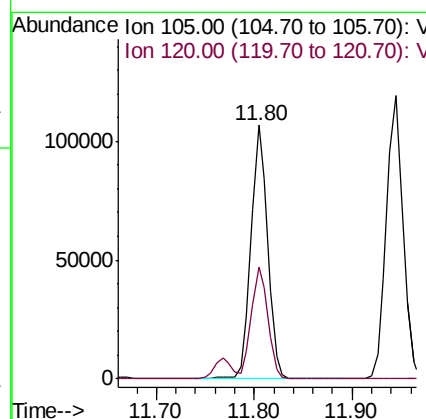
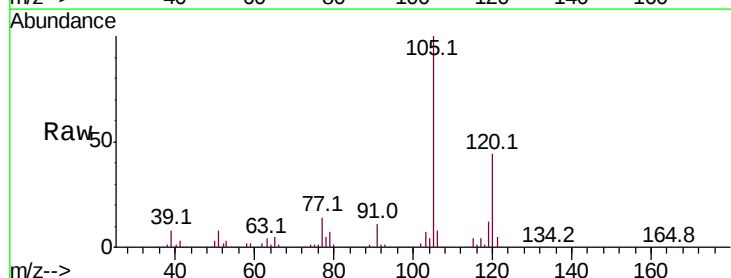
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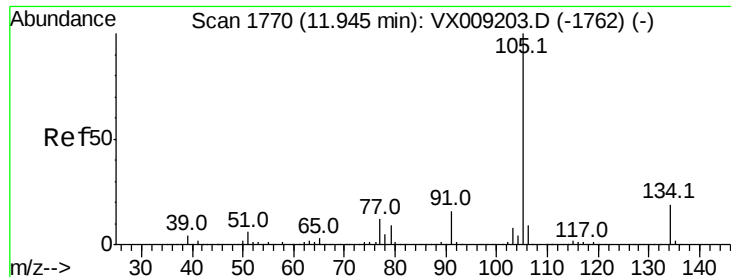
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 16.686 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009820.D
Acq: 22 May 2019 22:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	126542		
120	43.8	22.0	66.0	





#85

sec-Butylbenzene

Concen: 16.389 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009820.D

Acq: 22 May 2019 22:34

Instrument :

MSVOA_X

ClientSampled :

VX0522MBS02

Tot Ion:105 Resp: 142807

Ion Ratio Lower Upper

105 100

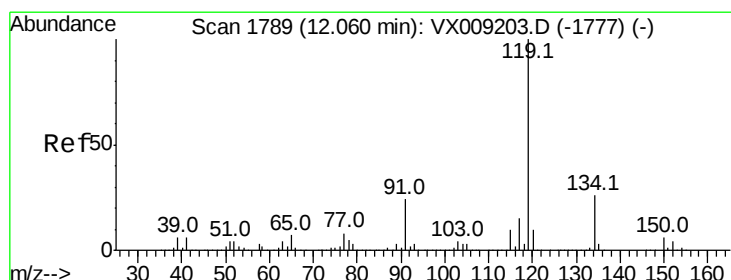
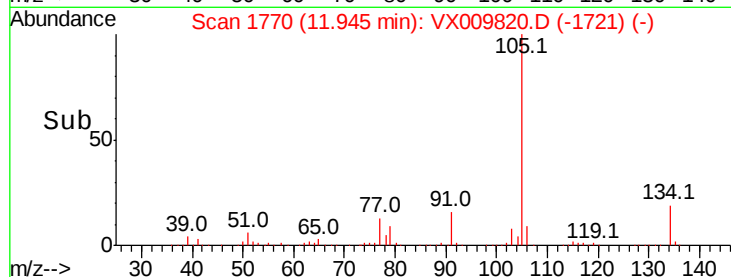
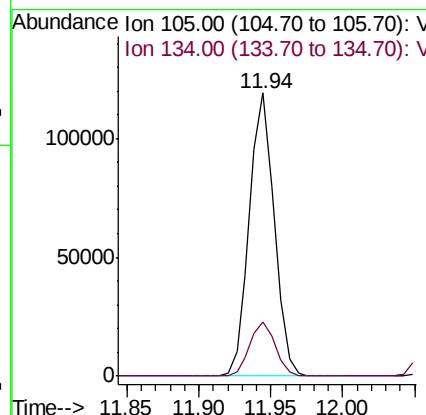
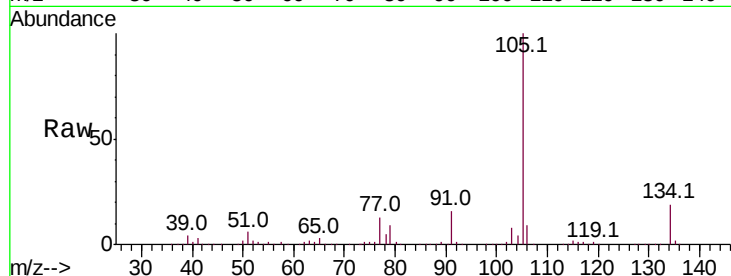
134 19.5 9.7 28.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 16.646 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009820.D

Acq: 22 May 2019 22:34

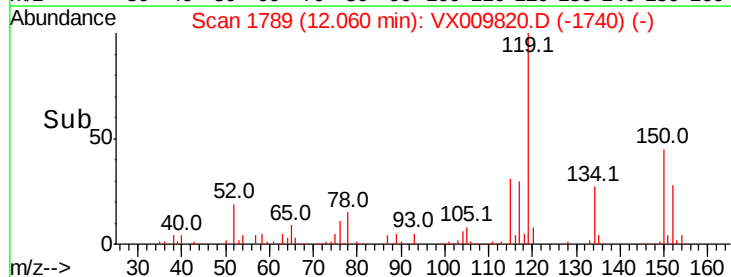
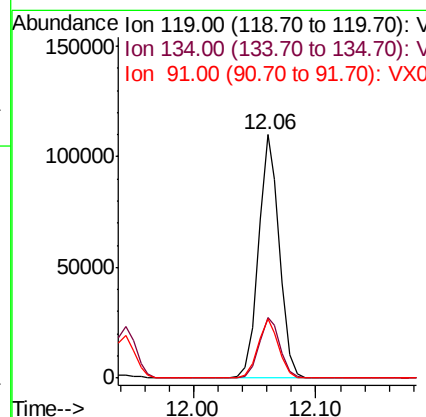
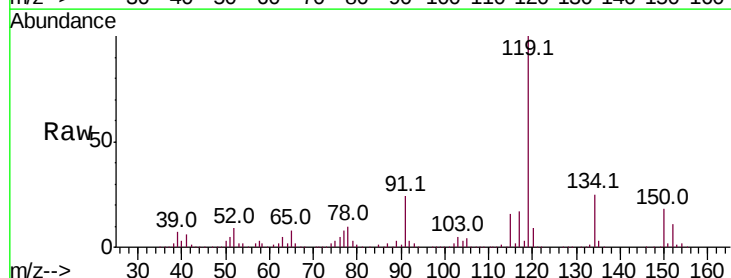
Tgt Ion:119 Resp: 130396

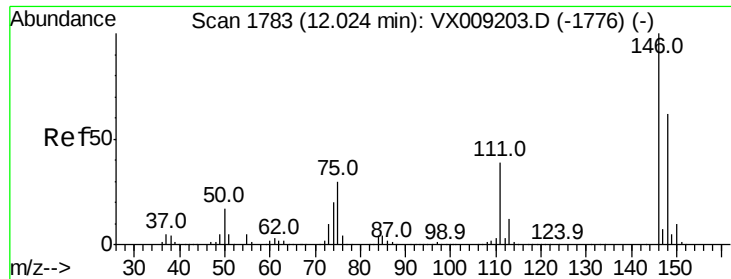
Ion Ratio Lower Upper

119 100

134 25.3 12.9 38.7

91 24.2 11.8 35.4





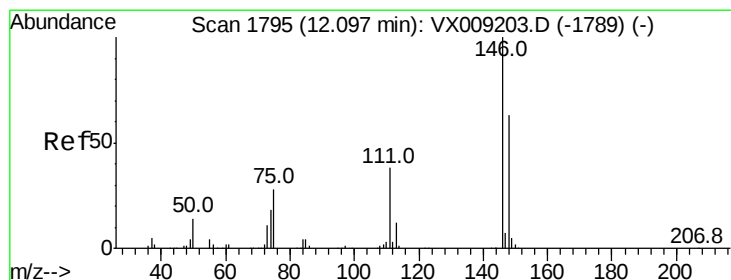
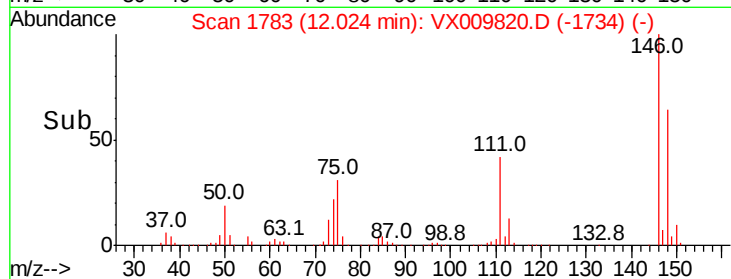
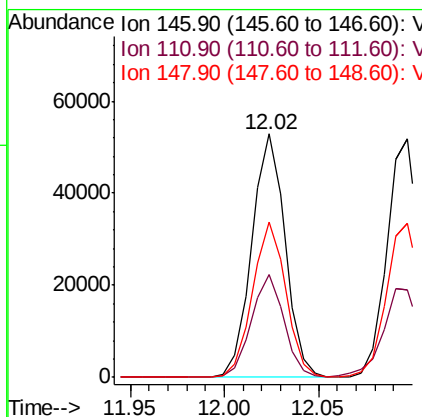
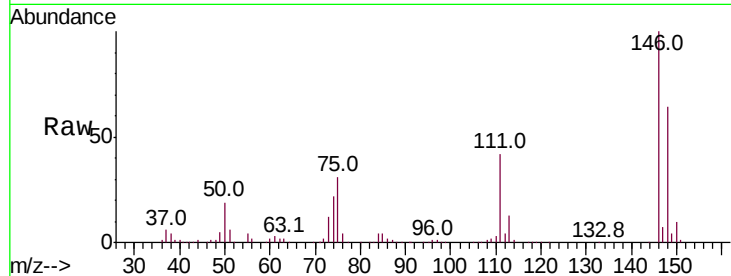
#87
 1,3-Dichlorobenzene
 Concen: 16.334 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009820.D
 Acq: 22 May 2019 22:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522MBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.0	59.9
148	63.5	31.8	95.3

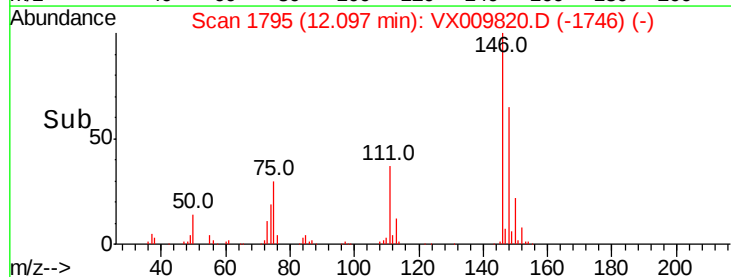
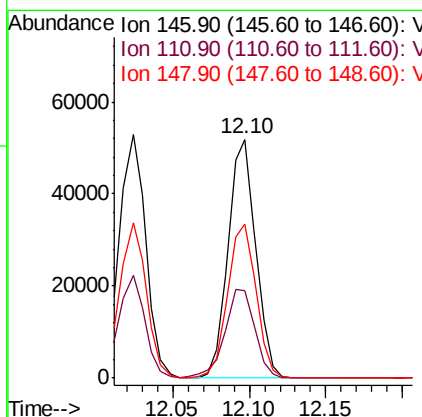
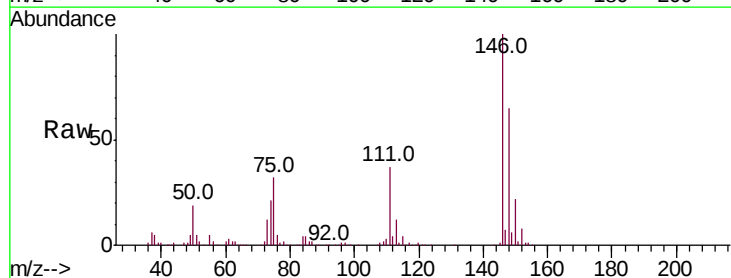
Manual Integrations
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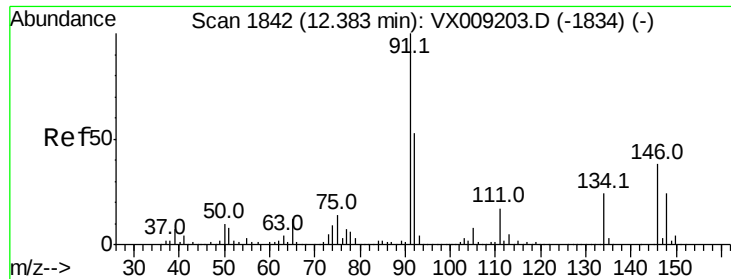
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#88
 1,4-Dichlorobenzene
 Concen: 16.200 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009820.D
 Acq: 22 May 2019 22:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.6	58.8
148	66.3	31.8	95.3





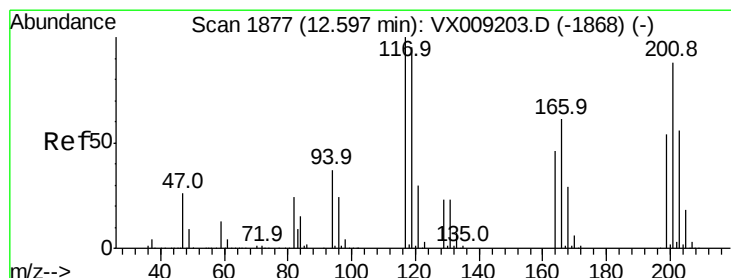
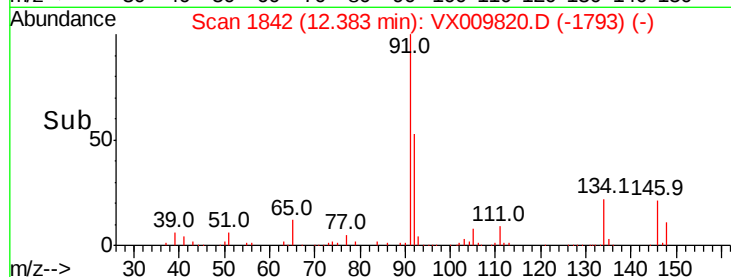
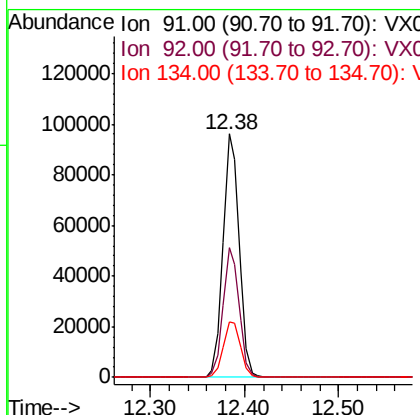
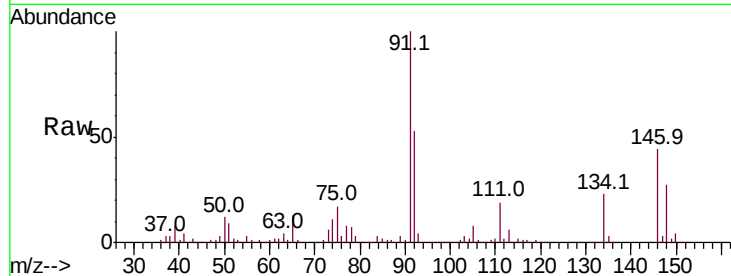
#89
n-Butylbenzene
Concen: 16.151 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009820.D
Acq: 22 May 2019 22:34

Instrument :
MSVOA_X
ClientSampleId :
VX0522MBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.5	79.5
134	24.0	12.4	37.2

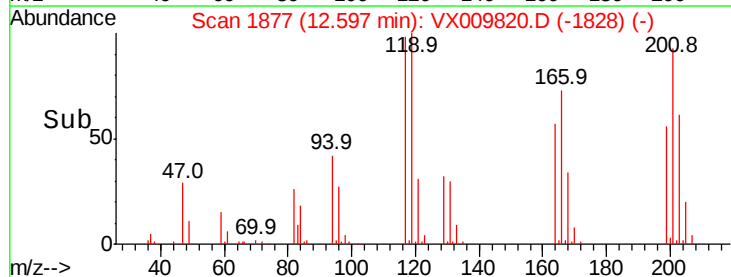
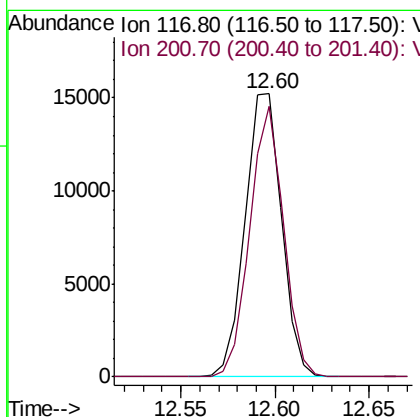
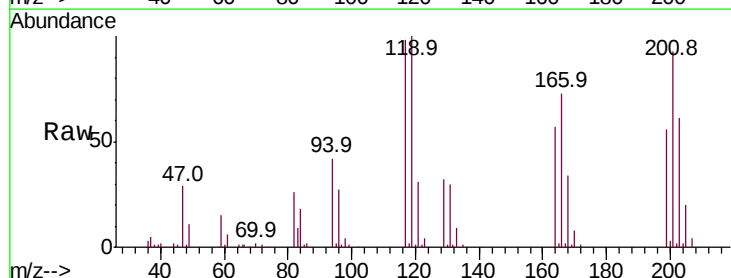
Manual Integrations
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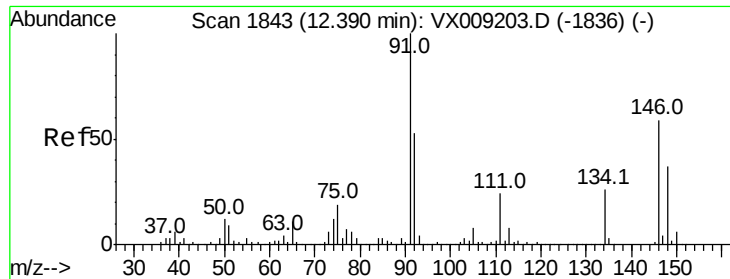
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#90
Hexachloroethane
Concen: 15.363 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX009820.D
Acq: 22 May 2019 22:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.0	42.3	126.9





#91

1,2-Dichlorobenzene

Concen: 16.180 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX009820.D

Acq: 22 May 2019 22:34

Instrument :

MSVOA_X

ClientSampleId :

VX0522MBS02

Tot Ion:146 Resp: 65430

Ion Ratio Lower Upper

146 100

111 41.6 20.8 62.4

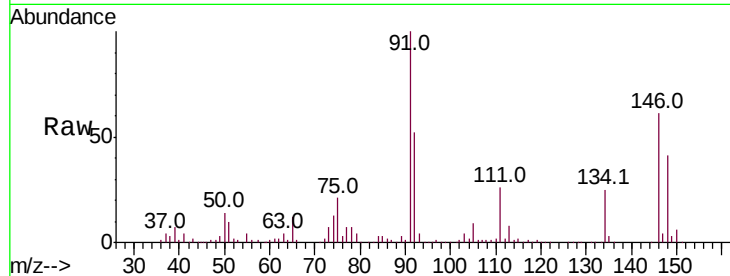
148 64.4 31.9 95.9

Manual Integrations

APPROVED

MMDadoda

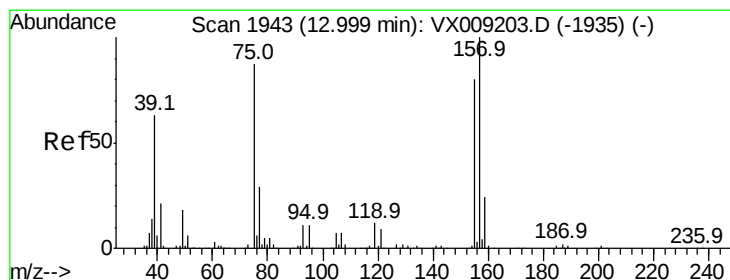
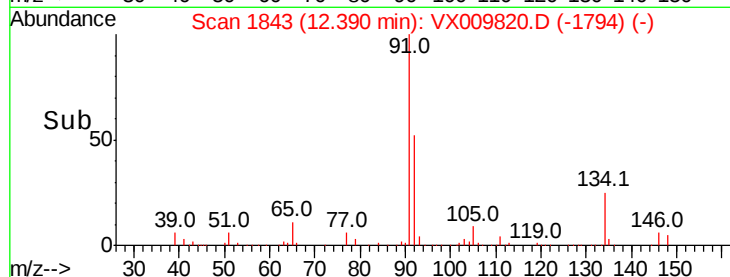
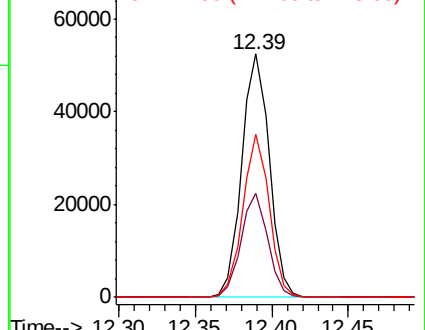
5/23/2019 10:38:34 AM



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 16.864 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX009820.D

Acq: 22 May 2019 22:34

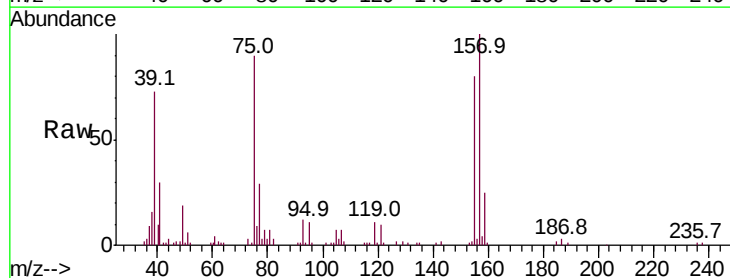
Tgt Ion: 75 Resp: 12654

Ion Ratio Lower Upper

75 100

155 80.4 42.0 126.0

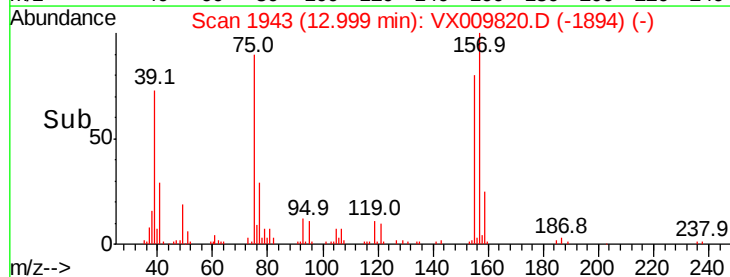
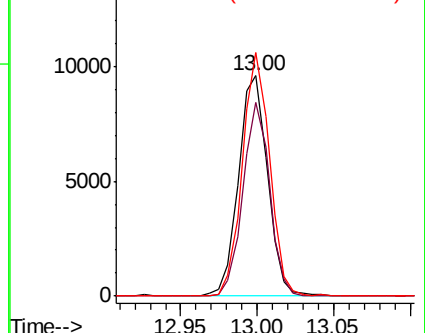
157 103.2 53.2 159.6

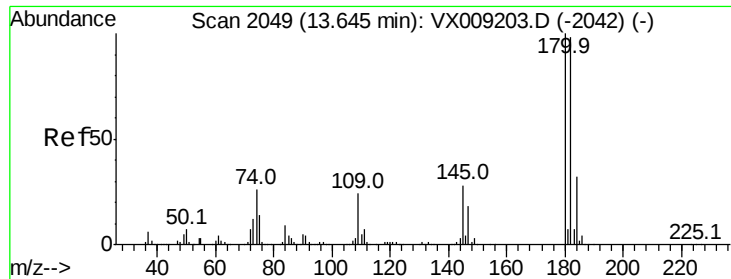


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





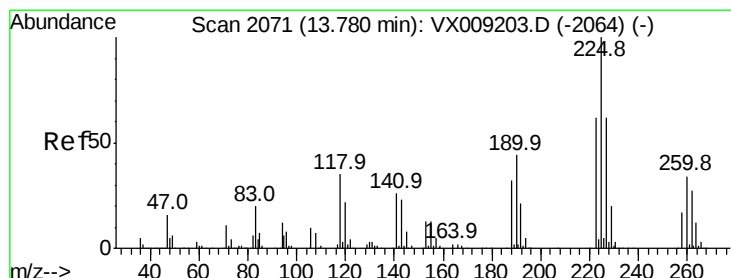
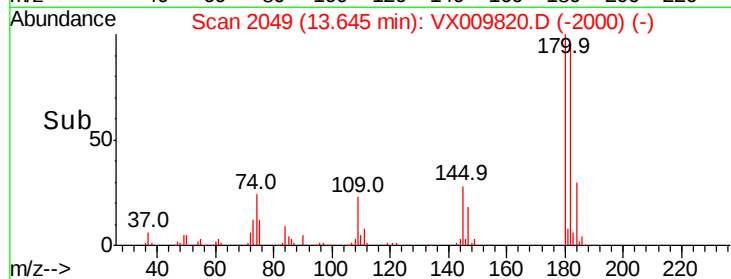
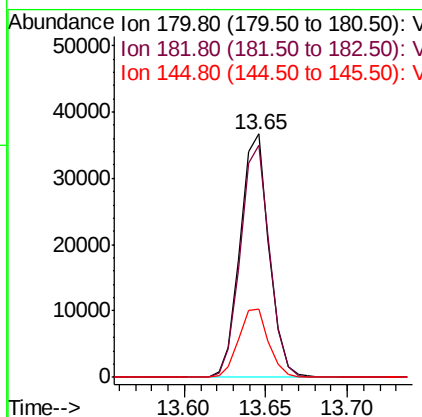
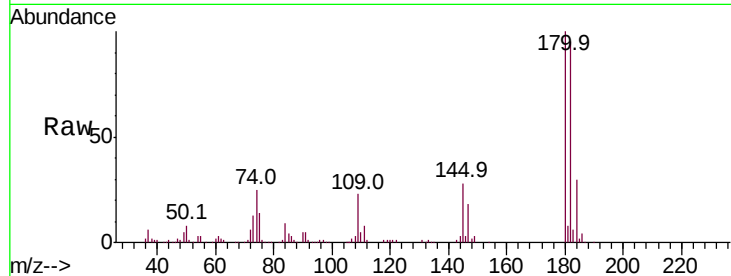
#93
 1,2,4-Trichlorobenzene
 Concen: 16.397 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009820.D
 Acq: 22 May 2019 22:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522MBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.4	145.2
145	29.0	14.6	43.8

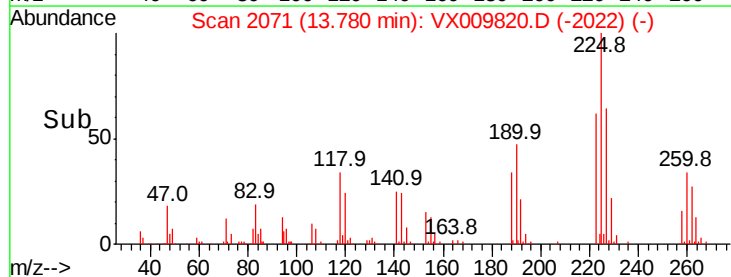
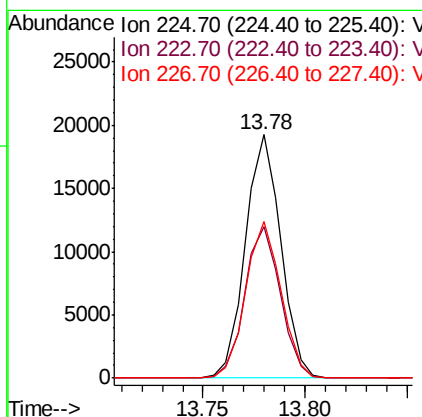
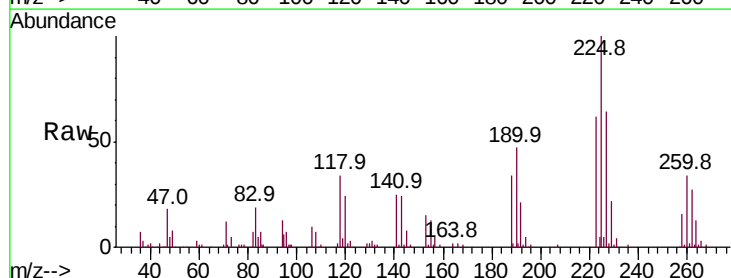
Manual Integrations
 APPROVED

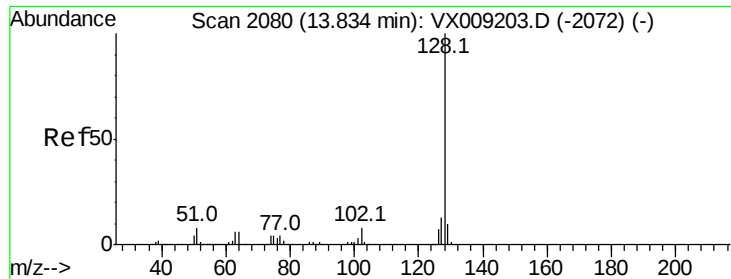
MMDadoda
 5/23/2019 10:38:34 AM



#94
 Hexachlorobutadiene
 Concen: 16.460 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009820.D
 Acq: 22 May 2019 22:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.3	93.8
227	64.1	31.8	95.3





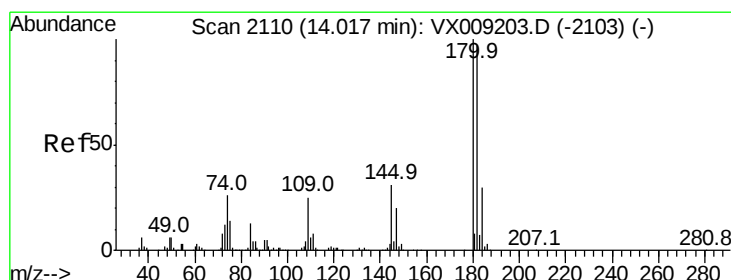
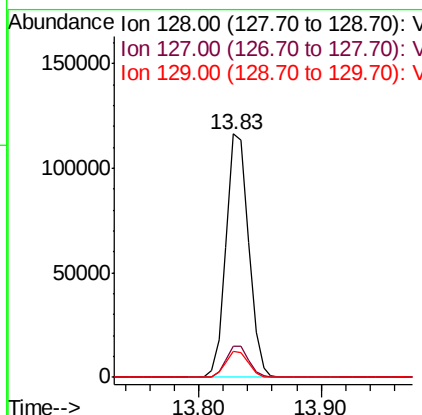
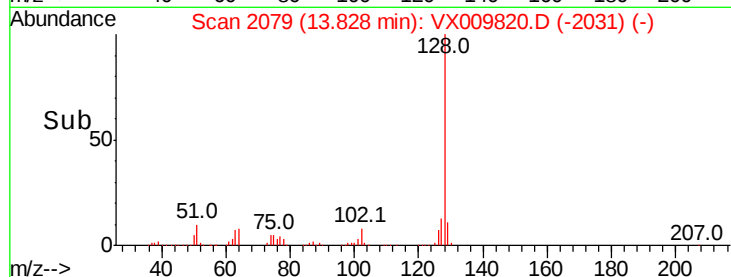
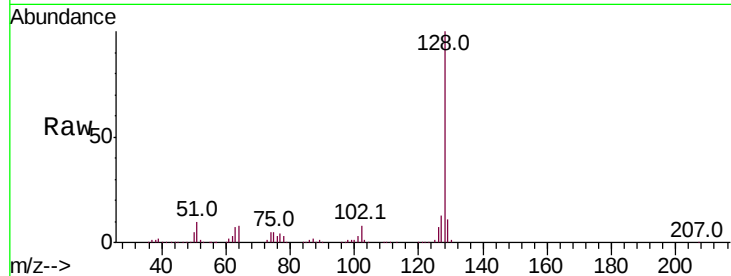
#95
Naphthalene
Concen: 16.532 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX009820.D
Acq: 22 May 2019 22:34

Instrument :
MSVOA_X
ClientSampleId :
VX0522MBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	148736		
127	13.0		10.4	15.6
129	10.9		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/23/2019 10:38:34 AM



#96
1,2,3-Trichlorobenzene
Concen: 16.787 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX009820.D
Acq: 22 May 2019 22:34

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	47057		
182	96.1		47.8	143.4
145	30.4		15.4	46.4

