

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX053119\
 Data File : VX010023.D
 Acq On : 01 Jun 2019 07:12
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/3/2019 9:34:41 AM

Quant Time: Jun 03 00:59:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	158147	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	253853	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	234001	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	116149	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	109431	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	
35) Dibromofluoromethane	5.50	113	81266	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
50) Toluene-d8	8.71	98	330662	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
62) 4-Bromofluorobenzene	11.13	95	122005	52.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.82%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	100754	52.136	ug/l	99
3) Chloromethane	1.32	50	110746	42.627	ug/l	98
4) Vinyl Chloride	1.41	62	104840	44.764	ug/l	99
5) Bromomethane	1.64	94	57578	40.577	ug/l	97
6) Chloroethane	1.71	64	63624	44.131	ug/l	99
7) Trichlorofluoromethane	1.92	101	121202	46.831	ug/l	99
8) Diethyl Ether	2.19	74	53006	43.584	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	72439	46.360	ug/l	99
10) Methyl Iodide	2.51	142	78482	41.441	ug/l	100
11) Tert butyl alcohol	3.06	59	146987	267.358	ug/l	99
12) 1,1-Dichloroethene	2.37	96	75312	47.023	ug/l	99
13) Acrolein	2.29	56	86556	224.464	ug/l	100
14) Allyl chloride	2.73	41	173471	44.563	ug/l	100
15) Acrylonitrile	3.14	53	310906	234.704	ug/l	99
16) Acetone	2.45	43	280474	217.298	ug/l	99
17) Carbon Disulfide	2.57	76	219752	45.349	ug/l	100
18) Methyl Acetate	2.78	43	151842	50.558	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	290825	48.097	ug/l	100
20) Methylene Chloride	2.85	84	91728	46.407	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	80820	45.352	ug/l	98
22) Diisopropyl ether	3.85	45	351918	47.514	ug/l	94
23) Vinyl Acetate	3.82	43	1533551	230.480	ug/l	99
24) 1,1-Dichloroethane	3.70	63	169123	47.118	ug/l	99
25) 2-Butanone	4.67	43	475223	236.319	ug/l	99
26) 2,2-Dichloropropane	4.59	77	75938	27.968	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	95748	46.546	ug/l	93
28) Bromochloromethane	5.01	49	80258	43.088	ug/l	97
29) Tetrahydrofuran	5.13	42	311591	241.630	ug/l	99
30) Chloroform	5.21	83	154836	47.832	ug/l	97
31) Cyclohexane	5.58	56	161982	47.647	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	129964	49.298	ug/l	100
36) 1,1-Dichloropropene	5.80	75	118758	46.108	ug/l	99
37) Ethyl Acetate	4.84	43	176677	49.230	ug/l	99
38) Carbon Tetrachloride	5.79	117	110076	49.457	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	143260	46.891	ug/l	97
40) Benzene	6.14	78	365117	47.787	ug/l	100
41) Methacrylonitrile	5.04	41	100636	47.989	ug/l	98
42) 1,2-Dichloroethane	6.19	62	134489	47.613	ug/l	100
43) Isopropyl Acetate	6.45	43	276350	47.723	ug/l	99
44) Trichloroethene	7.21	130	87763	47.289	ug/l	94
45) 1,2-Dichloropropane	7.51	63	103597	47.102	ug/l	96
46) Dibromomethane	7.66	93	59099	45.649	ug/l	97
47) Bromodichloromethane	7.90	83	121799	49.473	ug/l	99
48) Methyl methacrylate	7.77	41	140872	49.142	ug/l	99
49) 1,4-Dioxane	7.74	88	54914	1029.863	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	929953	246.872	ug/l	99
52) Toluene	8.79	92	226647	48.857	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	133217	45.119	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	145681	45.285	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	90752	48.605	ug/l	99
56) Ethyl methacrylate	9.18	69	169058	50.858	ug/l	99
57) 1,3-Dichloropropane	9.37	76	161444	48.146	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	427284	245.132	ug/l	100
59) 2-Hexanone	9.49	43	723067	249.318	ug/l	100
60) Dibromochloromethane	9.58	129	94217	51.297	ug/l	99
61) 1,2-Dibromoethane	9.67	107	92623	48.286	ug/l	99
64) Tetrachloroethene	9.34	164	87590	53.589	ug/l	98
65) Chlorobenzene	10.14	112	235667	48.107	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	87044	51.229	ug/l	99
67) Ethyl Benzene	10.25	91	434311	49.376	ug/l	99
68) m/p-Xylenes	10.36	106	318428	97.992	ug/l	99
69) o-Xylene	10.70	106	155148	49.784	ug/l	100
70) Styrene	10.71	104	275066	50.335	ug/l	99
71) Bromoform	10.85	173	74101	53.353	ug/l	98
73) Isopropylbenzene	11.02	105	414232	48.337	ug/l	99
74) N-amyl acetate	10.90	43	250215	48.862	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	151637	47.429	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	131146m	47.218	ug/l	
77) Bromobenzene	11.26	156	106104	48.583	ug/l	95
78) n-propylbenzene	11.36	91	482927	48.889	ug/l	100
79) 2-Chlorotoluene	11.42	91	287086	47.569	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	353900	49.019	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	45646	40.661	ug/l	99
82) 4-Chlorotoluene	11.51	91	332487	47.325	ug/l	99
83) tert-Butylbenzene	11.77	119	335989	48.644	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	355572	48.496	ug/l	100
85) sec-Butylbenzene	11.94	105	403650	49.122	ug/l	100
86) p-Isopropyltoluene	12.06	119	369997	50.060	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	185741	47.771	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	184549	46.541	ug/l	99
89) n-Butylbenzene	12.38	91	328667	47.317	ug/l	99
90) Hexachloroethane	12.60	117	65067	51.298	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	185112	48.289	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	35357	46.982	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	131777	48.103	ug/l	99
94) Hexachlorobutadiene	13.78	225	64839	47.188	ug/l	100
95) Naphthalene	13.83	128	423559	49.684	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	131642	48.007	ug/l	100

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

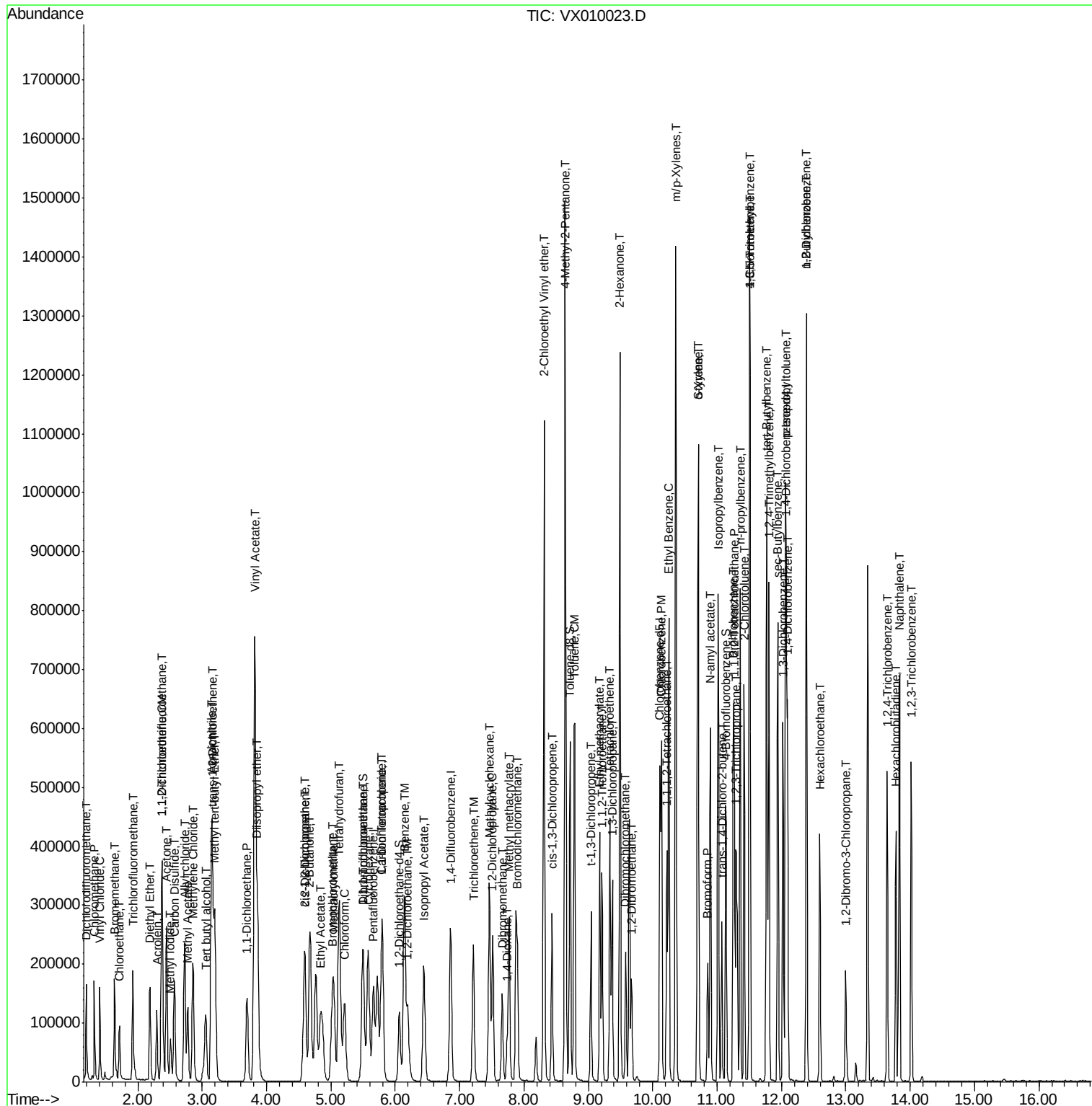
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX053119\
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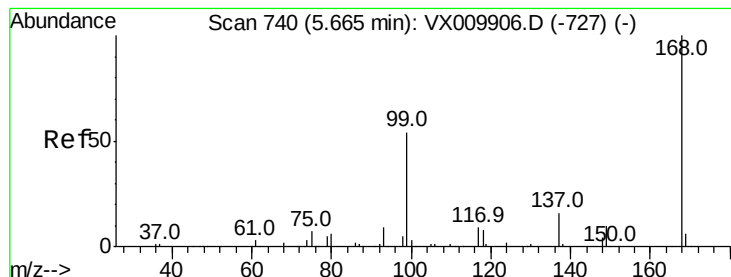
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010023.D

Acq: 01 Jun 2019 07:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 158147

Ion Ratio Lower Upper

168 100

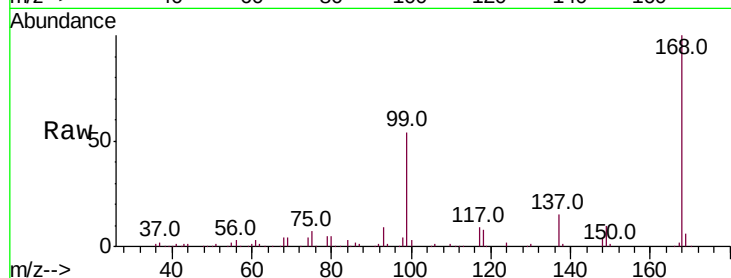
99 53.9 43.0 64.6

Manual Integrations

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6/3/2019 9:34:41 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

50000

40000

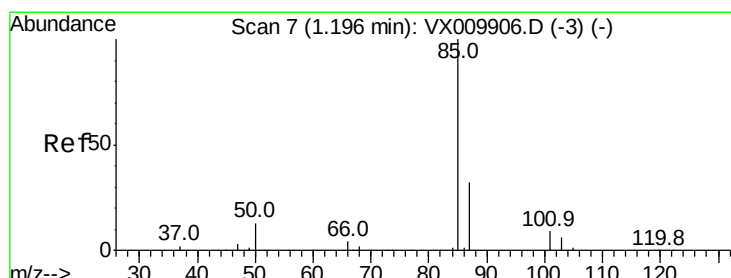
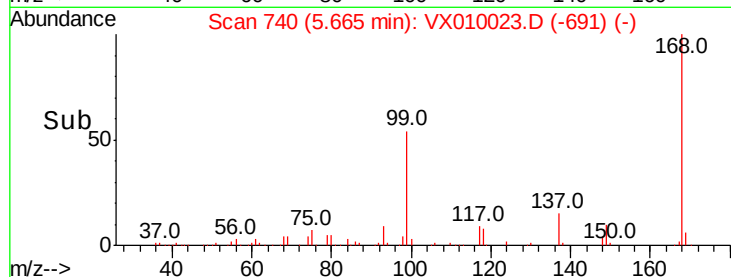
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 52.136 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX010023.D

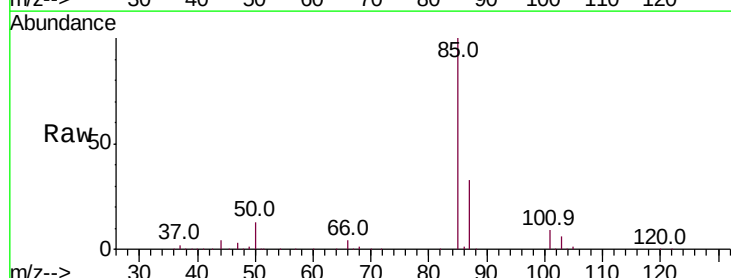
Acq: 01 Jun 2019 07:12

Tgt Ion: 85 Resp: 100754

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

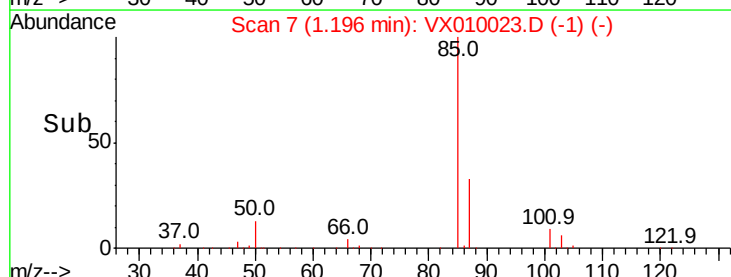
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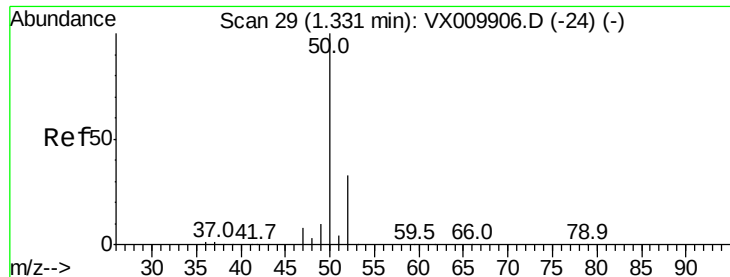
40000

20000

0

Time-->





#3

Chloromethane

Concen: 42.627 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX010023.D

Acq: 01 Jun 2019 07:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 110746

Ion Ratio Lower Upper

50 100

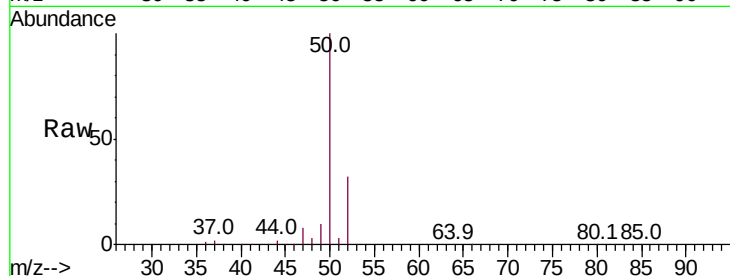
52 31.6 26.0 39.0

Manual Integrations

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6/3/2019 9:34:41 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

100000

80000

60000

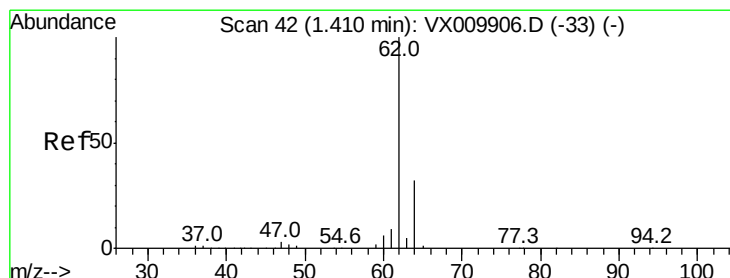
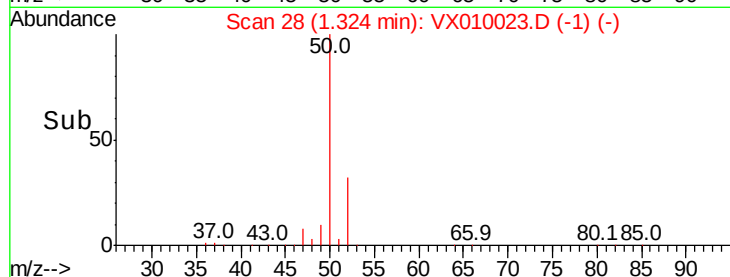
40000

20000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 44.764 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010023.D

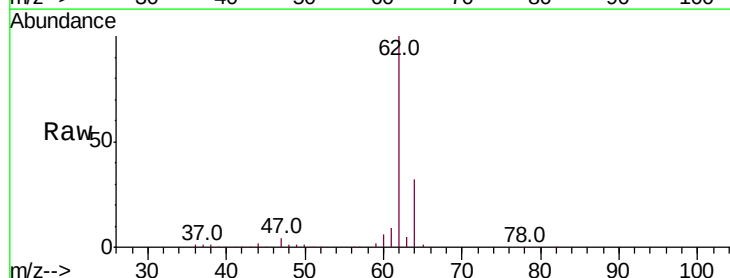
Acq: 01 Jun 2019 07:12

Tgt Ion: 62 Resp: 104840

Ion Ratio Lower Upper

62 100

64 31.5 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

100000

80000

60000

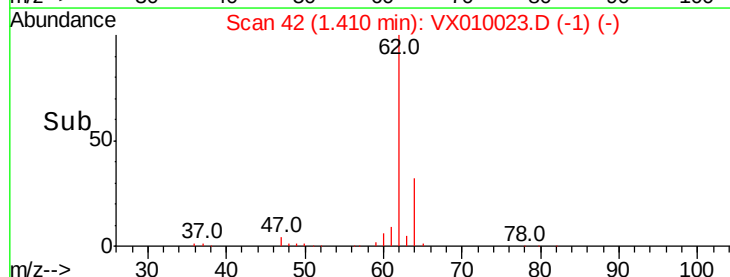
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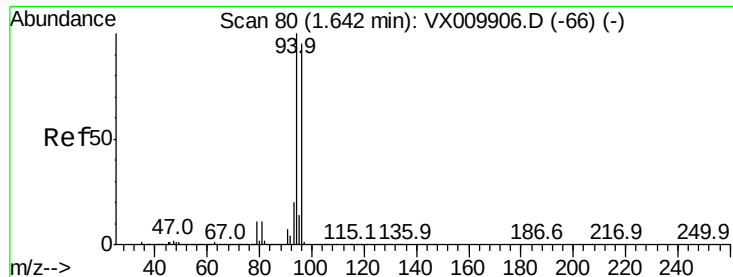
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0

1.35 1.40 1.45 1.50

Time-->





#5

Bromomethane

Concen: 40.577 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX010023.D

Acq: 01 Jun 2019 07:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 57578

Ion Ratio Lower Upper

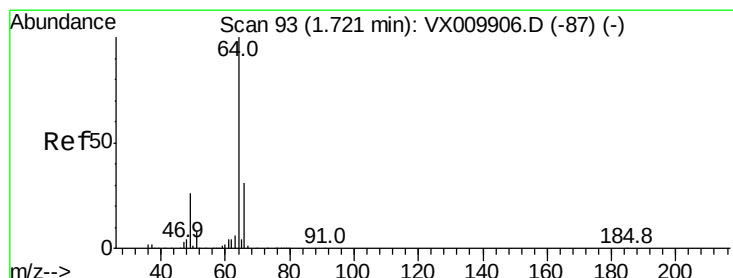
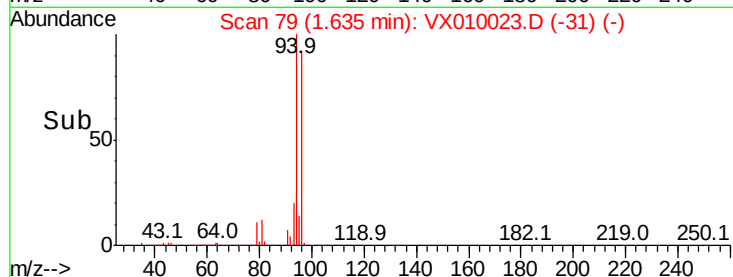
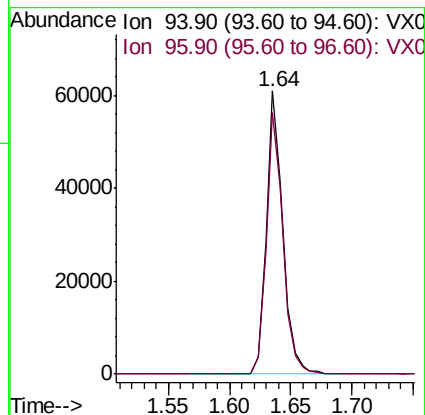
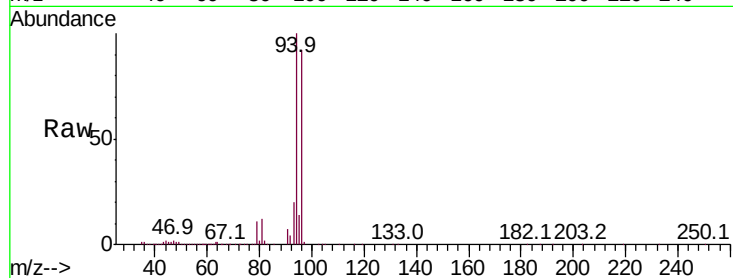
94 100

96 92.2 76.2 114.4

Manual Integrations
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#6

Chloroethane

Concen: 44.131 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX010023.D

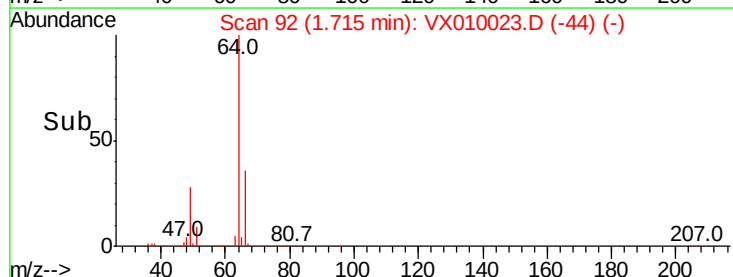
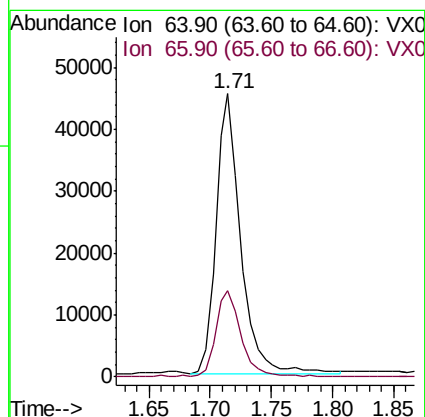
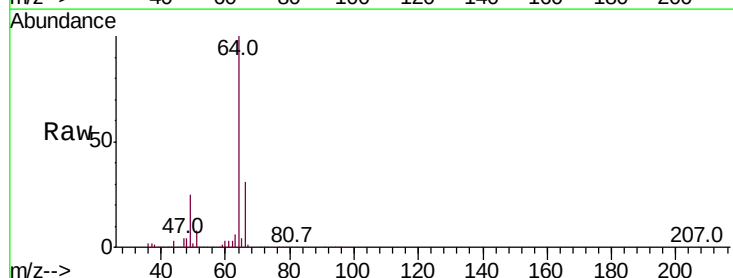
Acq: 01 Jun 2019 07:12

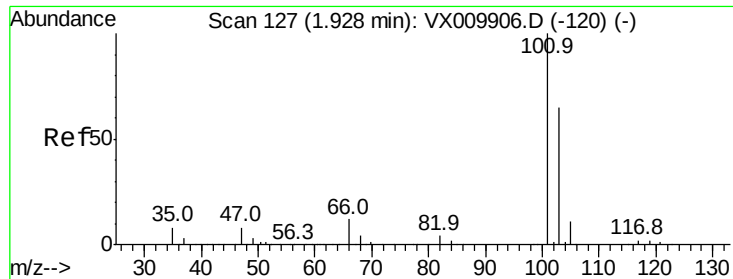
Tgt Ion: 64 Resp: 63624

Ion Ratio Lower Upper

64 100

66 30.7 25.1 37.7





#7

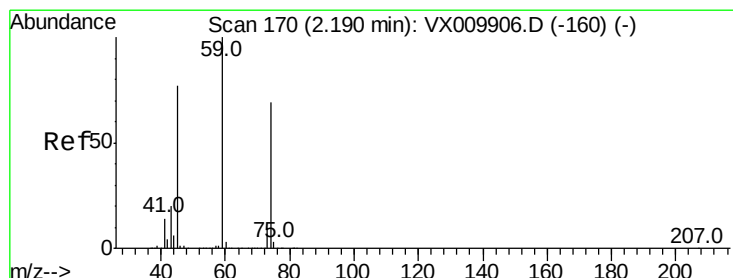
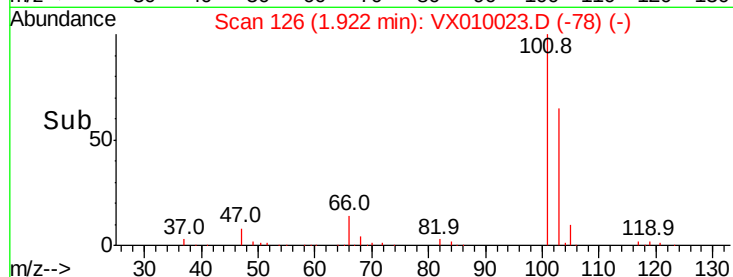
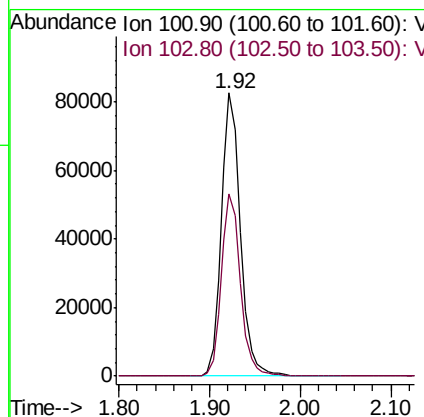
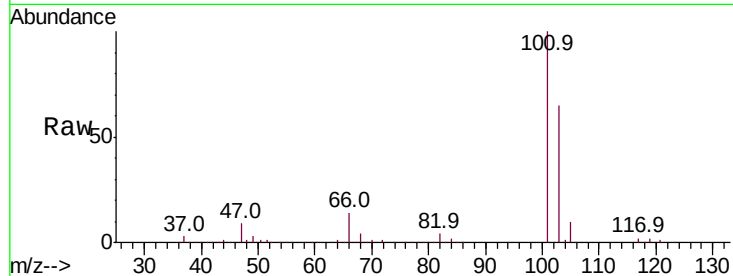
Trichlorofluoromethane
 Concen: 46.831 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.01 min
 Lab File: VX010023.D
 Acq: 01 Jun 2019 07:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:101 Resp: 121202
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.2 78.4

Manual Integrations
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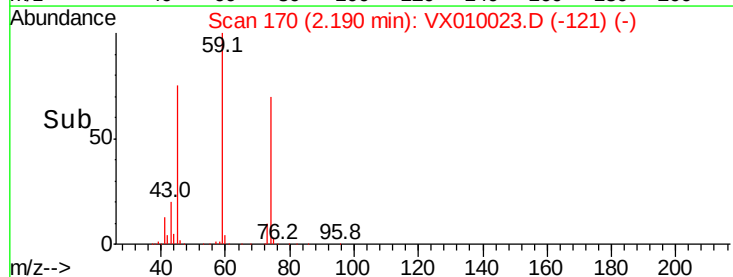
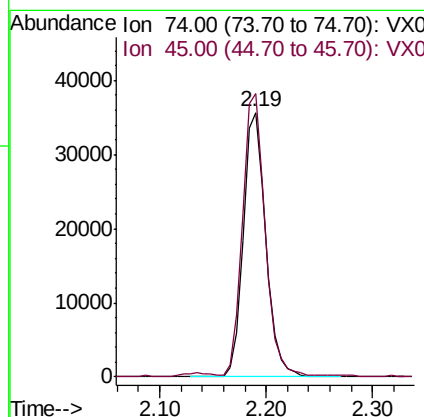
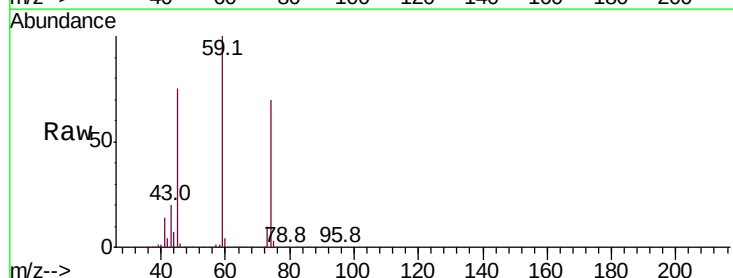
MMDadoda
 6/3/2019 9:34:41 AM

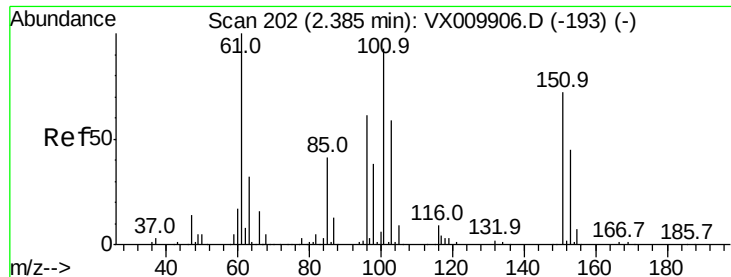


#8

Diethyl Ether
 Concen: 43.584 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX010023.D
 Acq: 01 Jun 2019 07:12

Tgt Ion: 74 Resp: 53006
 Ion Ratio Lower Upper
 74 100
 45 106.9 56.1 168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.360 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX010023.D

Acq: 01 Jun 2019 07:12

Instrument :

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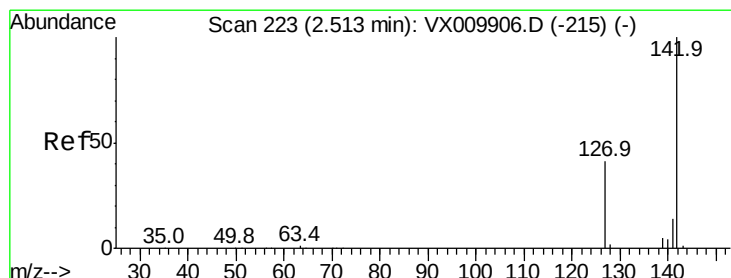
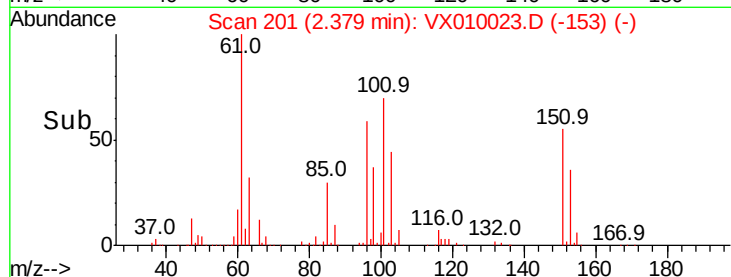
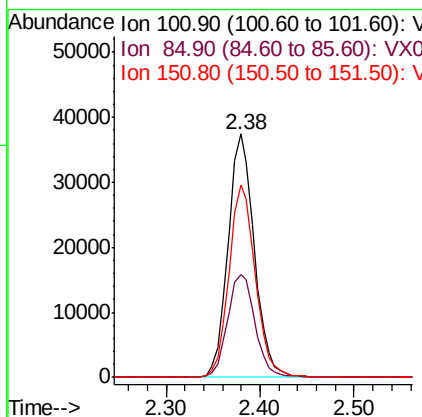
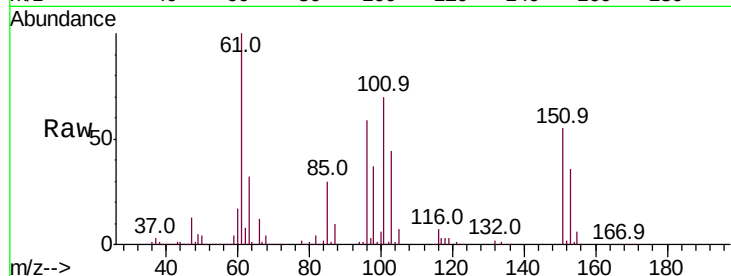
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	72439
Ion Ratio	Lower	Upper	
101	100		
85	44.4	35.2	52.8
151	79.1	61.9	92.9

Manual Integrations
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#10

Methyl Iodide

Concen: 41.441 ug/l

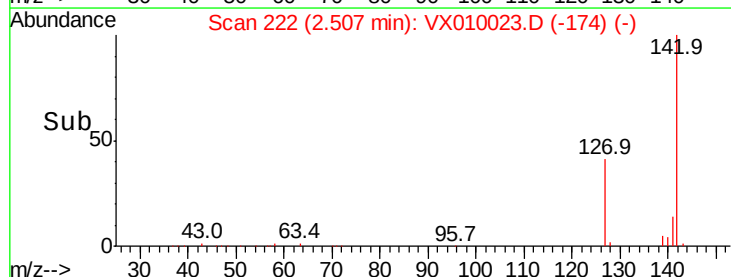
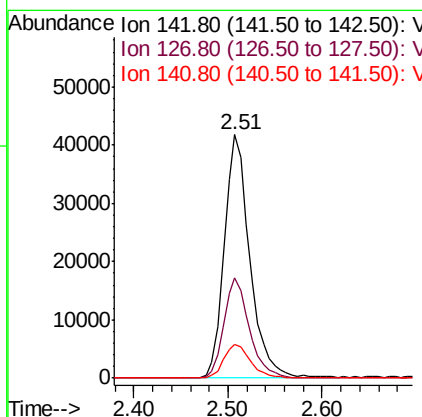
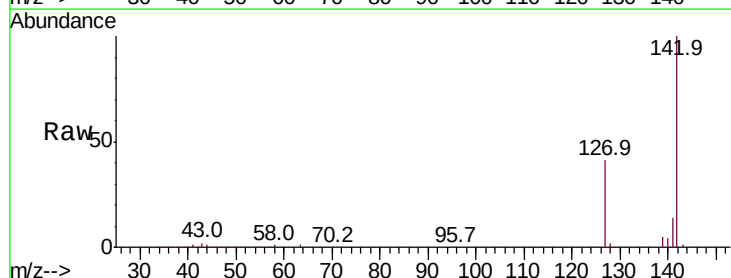
RT: 2.51 min Scan# 222

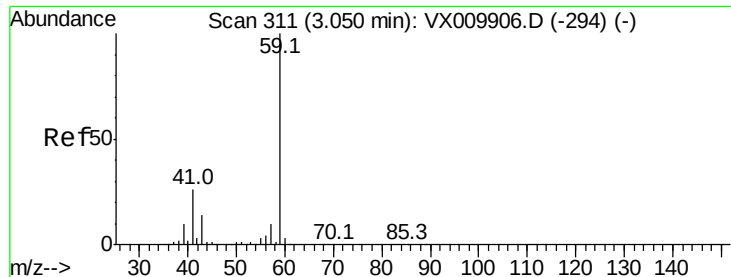
Delta R.T. -0.01 min

Lab File: VX010023.D

Acq: 01 Jun 2019 07:12

Tgt Ion:	142	Resp:	78482
Ion Ratio	Lower	Upper	
142	100		
127	41.2	33.0	49.4
141	14.4	11.4	17.0





#11

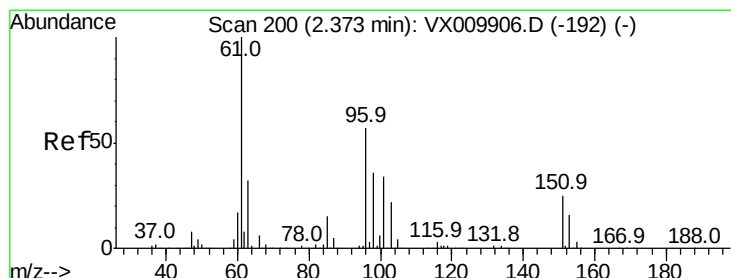
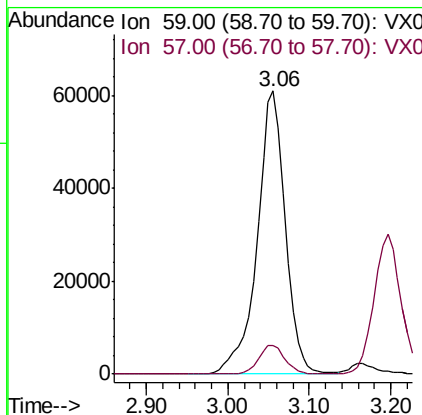
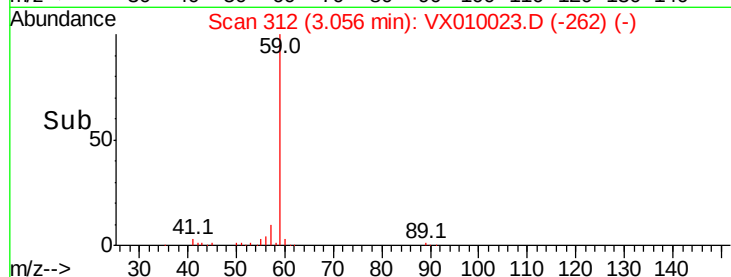
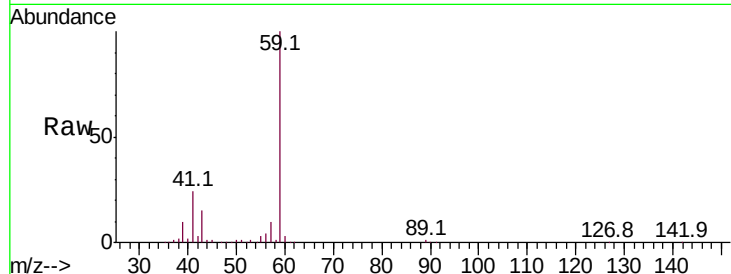
Tert butyl alcohol
Concen: 267.358 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX010023.D
Acq: 01 Jun 2019 07:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	8.2	12.2

Manual Integrations
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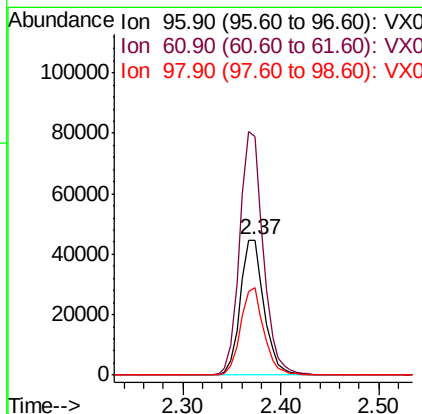
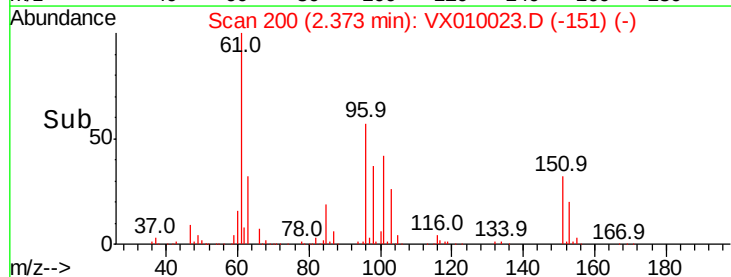
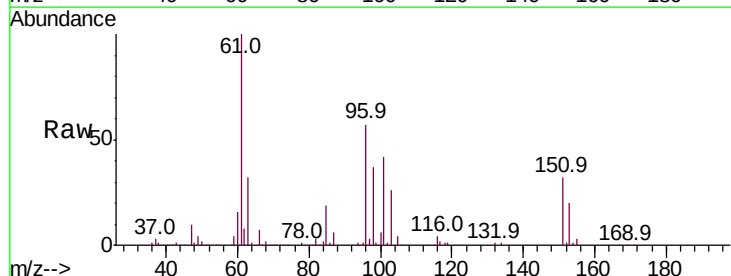
MMDadoda
6/3/2019 9:34:41 AM

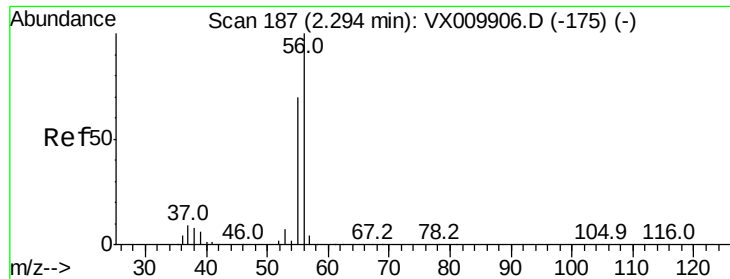


#12

1,1-Dichloroethene
Concen: 47.023 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX010023.D
Acq: 01 Jun 2019 07:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.6	140.7	211.1
98	65.0	50.1	75.1





#13

Acrolein

Concen: 224.464 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010023.D

Acq: 01 Jun 2019 07:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 86556

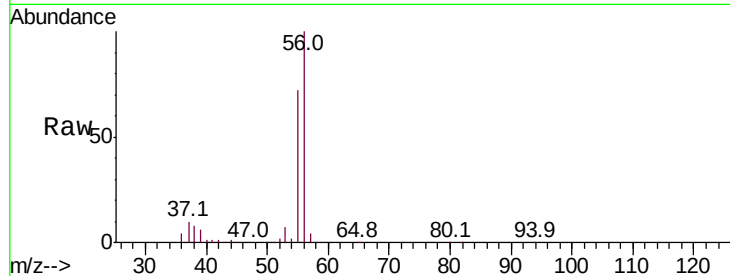
Ion Ratio Lower Upper

56 100

55 71.3 57.0 85.4

Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

60000

50000

40000

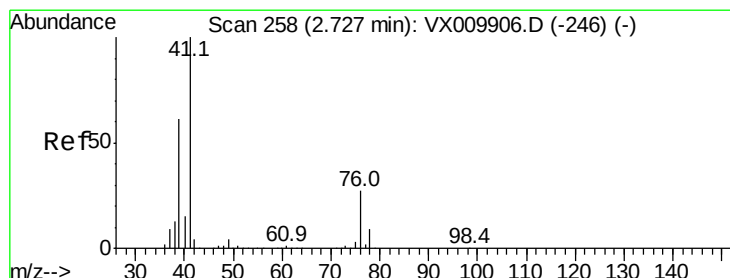
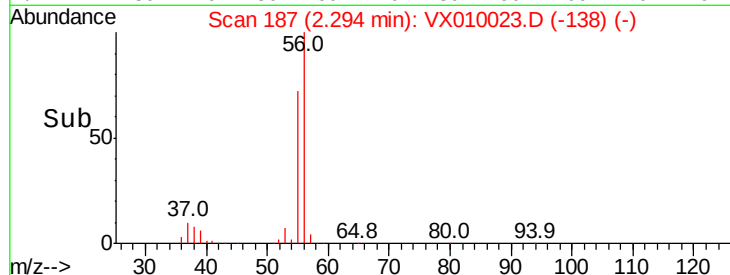
30000

20000

10000

0

Time--> 2.20 2.25 2.30 2.35 2.40



#14

Allyl chloride

Concen: 44.563 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX010023.D

Acq: 01 Jun 2019 07:12

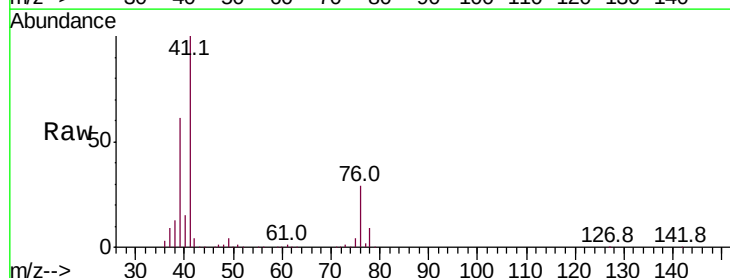
Tgt Ion: 41 Resp: 173471

Ion Ratio Lower Upper

41 100

39 58.7 46.7 70.1

76 25.8 21.0 31.4



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

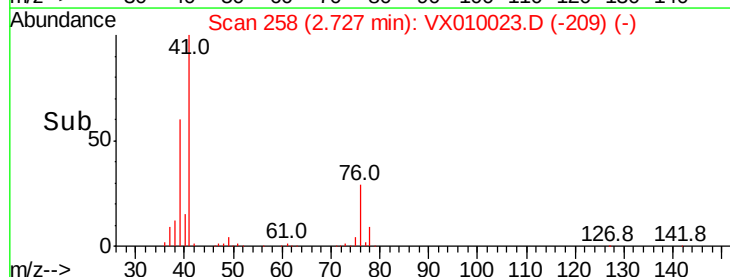
150000

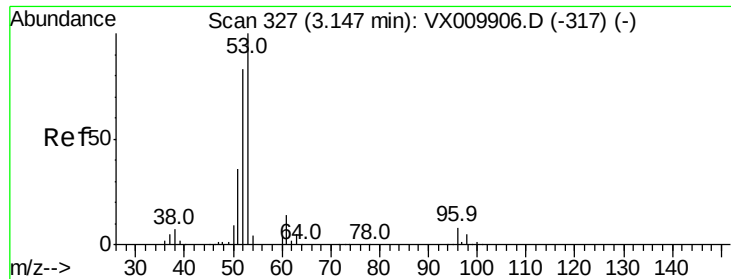
100000

50000

0

Time--> 2.60 2.70 2.80





#15

Acrylonitrile

Concen: 234.704 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX010023.D

Acq: 01 Jun 2019 07:12

Instrument :

MSVOA_X

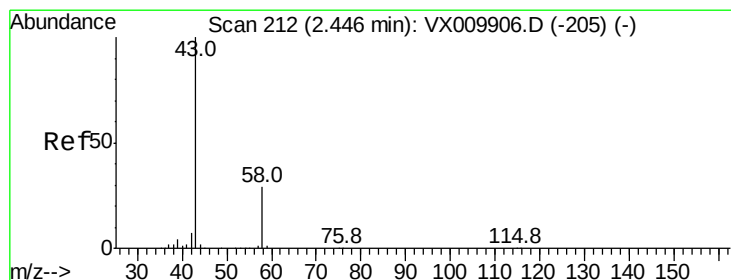
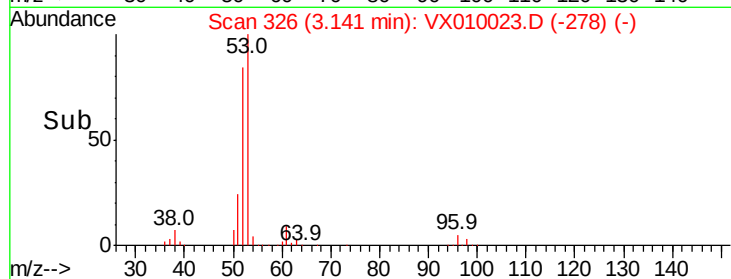
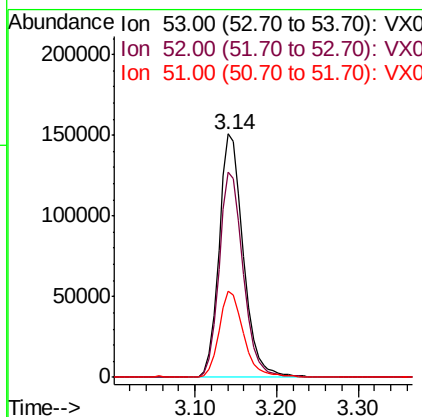
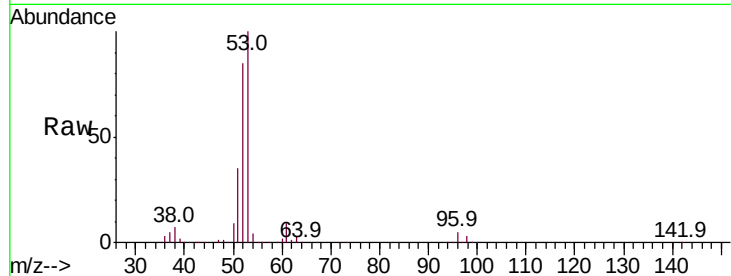
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	310906
Ion Ratio	Lower	Upper	
53	100		
52	84.2	66.7	100.1
51	35.7	28.8	43.2

Manual Integrations
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6/3/2019 9:34:41 AM



#16

Acetone

Concen: 217.298 ug/l

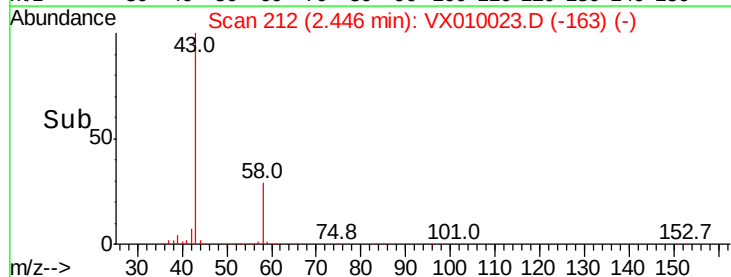
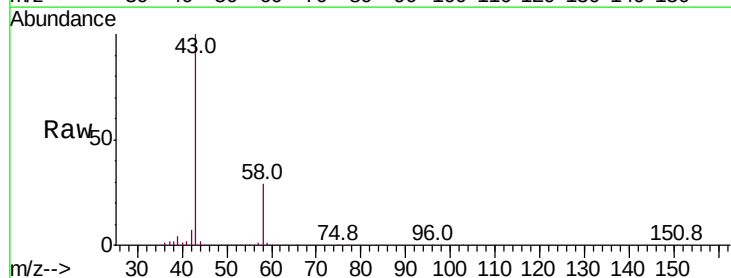
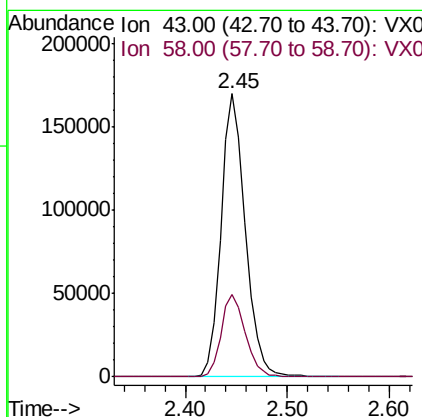
RT: 2.45 min Scan# 212

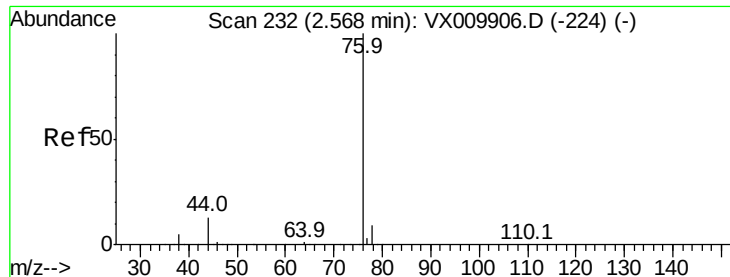
Delta R.T. -0.00 min

Lab File: VX010023.D

Acq: 01 Jun 2019 07:12

Tgt Ion:	43	Resp:	280474
Ion Ratio	Lower	Upper	
43	100		
58	29.3	23.2	34.8





#17

Carbon Disulfide

Concen: 45.349 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010023.D

Acq: 01 Jun 2019 07:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 219752

Ion Ratio Lower Upper

76 100

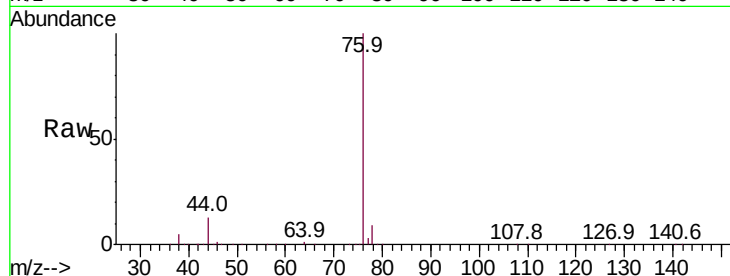
78 9.0 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

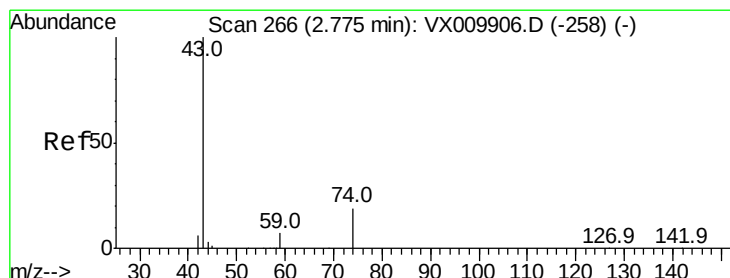
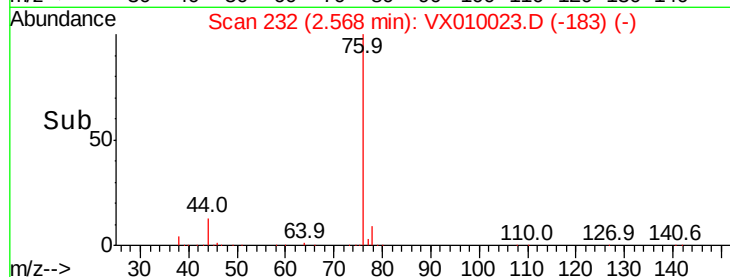
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 50.558 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX010023.D

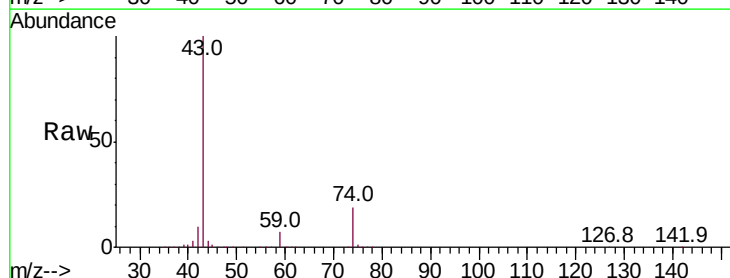
Acq: 01 Jun 2019 07:12

Tgt Ion: 43 Resp: 151842

Ion Ratio Lower Upper

43 100

74 19.9 15.8 23.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

100000

80000

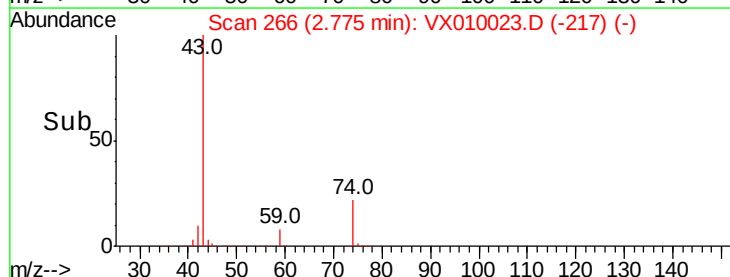
60000

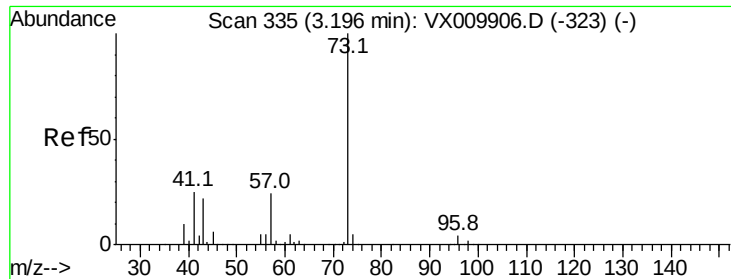
40000

20000

0

Time-->





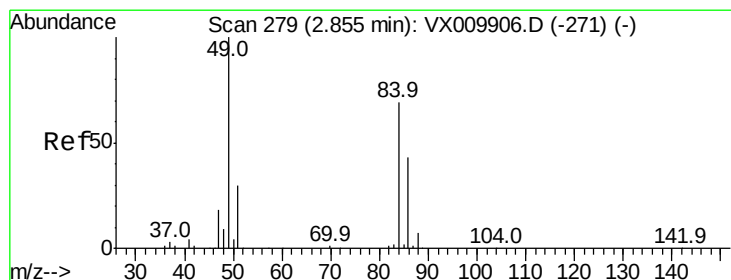
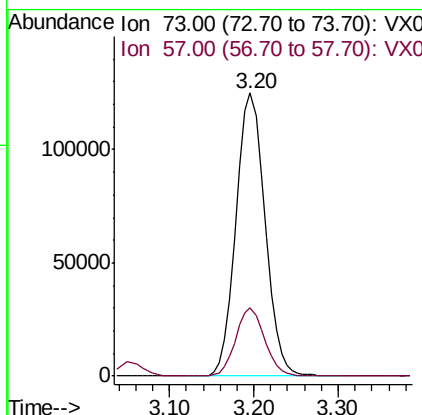
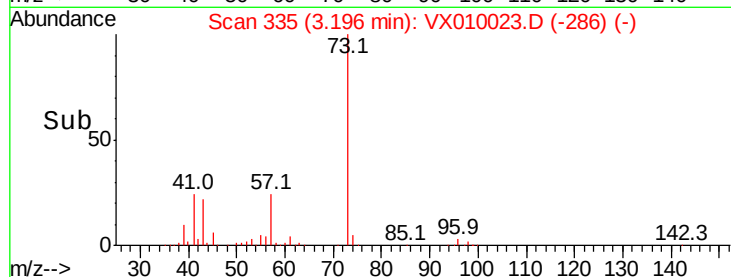
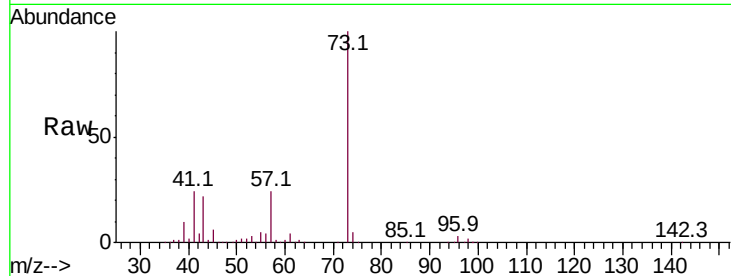
#19
Methyl tert-butyl Ether
Concen: 48.097 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX010023.D
Acq: 01 Jun 2019 07:12

Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC050EC

Tot Ion: 73 Resp: 290825
Ion Ratio Lower Upper
73 100
57 24.1 19.4 29.2

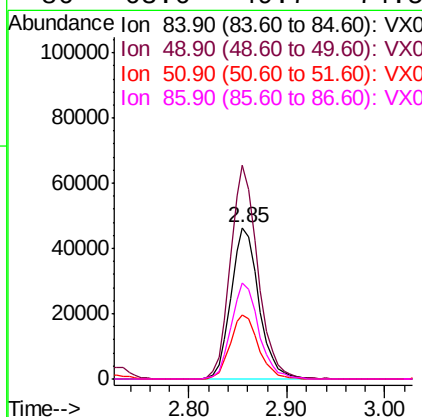
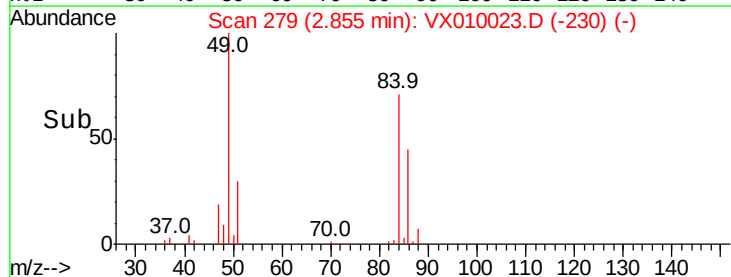
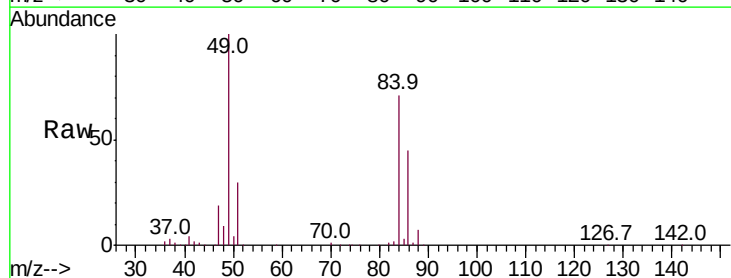
Manual Integrations
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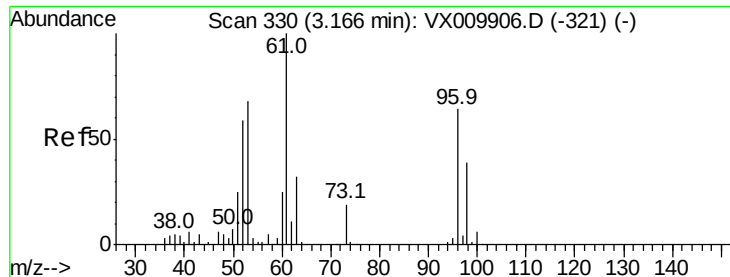
MMDadoda
6/3/2019 9:34:41 AM



#20
Methylene Chloride
Concen: 46.407 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010023.D
Acq: 01 Jun 2019 07:12

Tgt Ion: 84 Resp: 91728
Ion Ratio Lower Upper
84 100
49 141.1 115.8 173.6
51 42.6 34.4 51.6
86 63.6 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 45.352 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX010023.D

Acq: 01 Jun 2019 07:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 80820

Ion Ratio Lower Upper

96 100

61 158.5 125.7 188.5

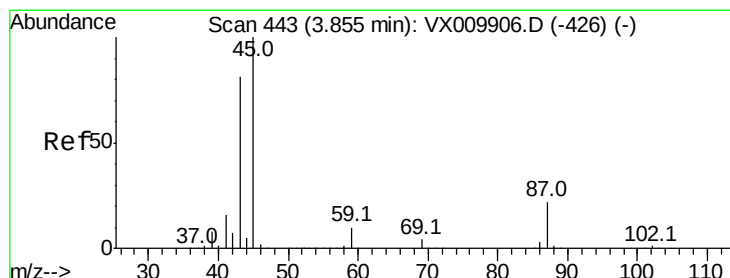
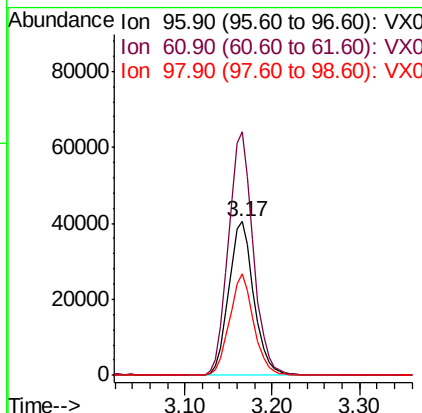
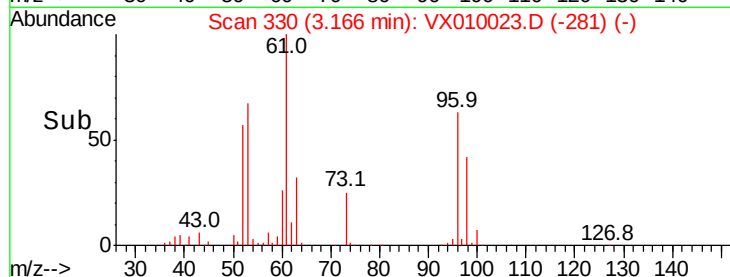
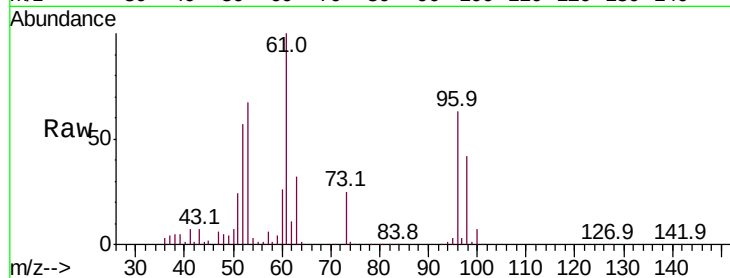
98 65.9 49.0 73.6

Manual Integrations

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6/3/2019 9:34:41 AM



#22

Diisopropyl ether

Concen: 47.514 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX010023.D

Acq: 01 Jun 2019 07:12

Tgt Ion: 45 Resp: 351918

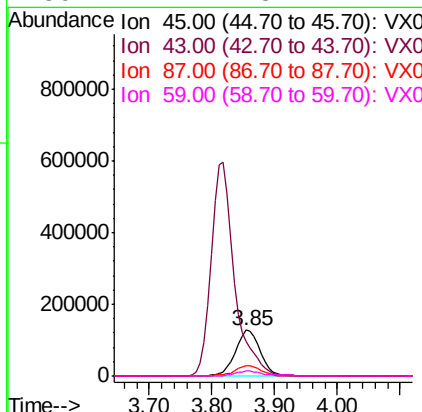
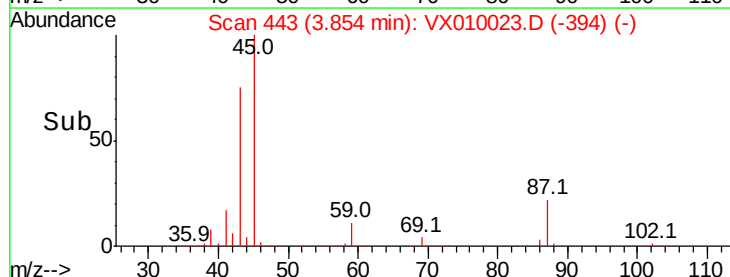
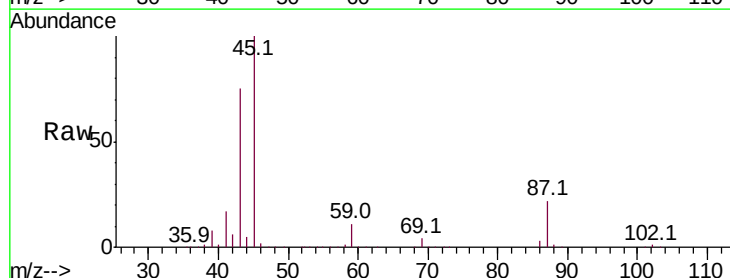
Ion Ratio Lower Upper

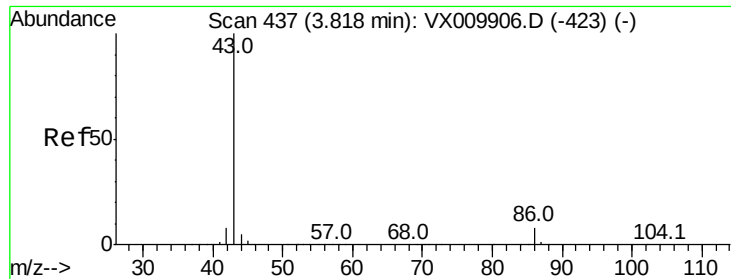
45 100

43 74.8 65.0 97.4

87 22.5 17.3 25.9

59 11.1 8.1 12.1





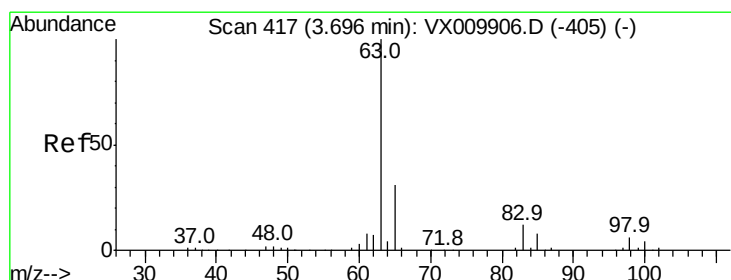
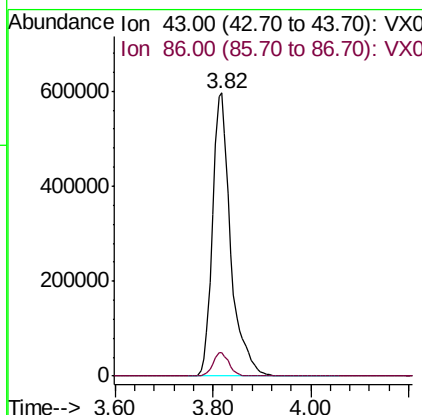
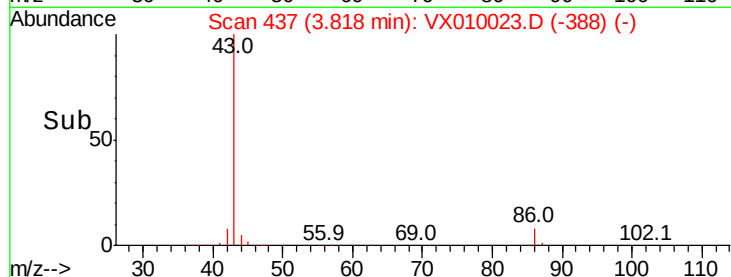
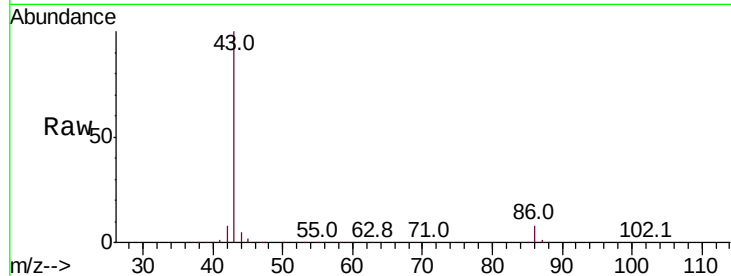
#23
Vinyl Acetate
Concen: 230.480 ug/l
RT: 3.82 min Scan# 437
Delta R.T. -0.00 min
Lab File: VX010023.D
Acq: 01 Jun 2019 07:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1533551
Ion Ratio Lower Upper
43 100
86 8.4 6.5 9.7

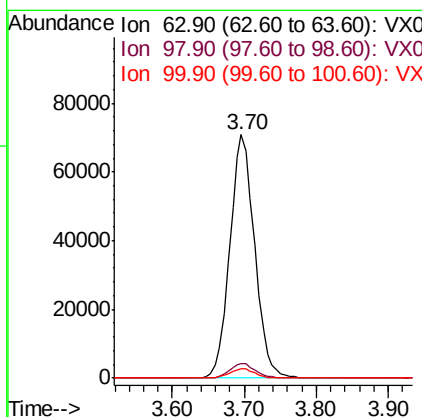
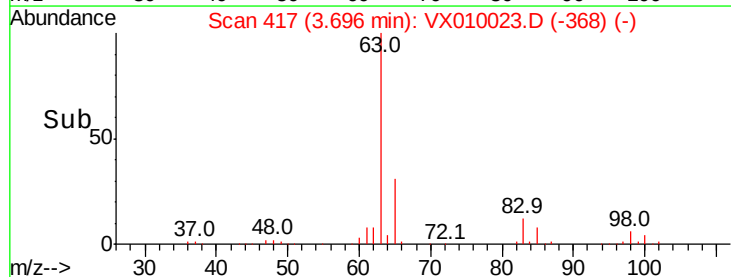
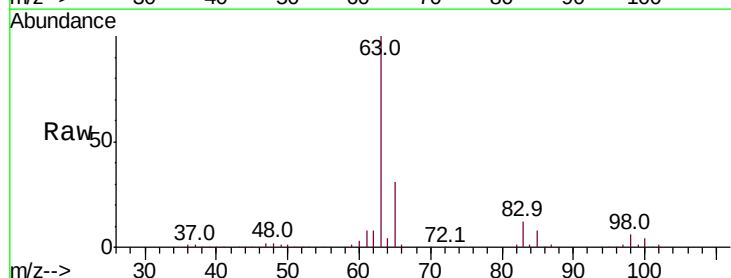
Manual Integrations
APPROVED

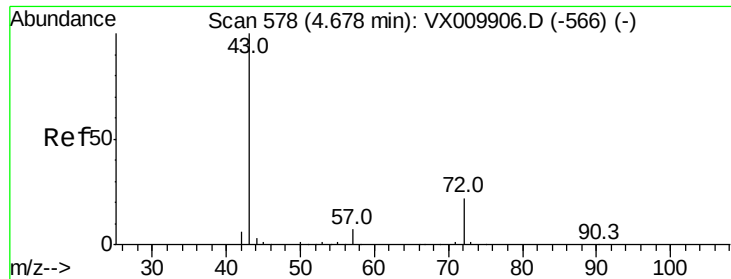
MMDadoda
6/3/2019 9:34:41 AM



#24
1,1-Dichloroethane
Concen: 47.118 ug/l
RT: 3.70 min Scan# 417
Delta R.T. -0.00 min
Lab File: VX010023.D
Acq: 01 Jun 2019 07:12

Tgt Ion: 63 Resp: 169123
Ion Ratio Lower Upper
63 100
98 6.2 2.9 8.8
100 4.0 1.8 5.4





#25

2-Butanone

Concen: 236.319 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX010023.D

Acq: 01 Jun 2019 07:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 475223

Ion Ratio Lower Upper

43 100

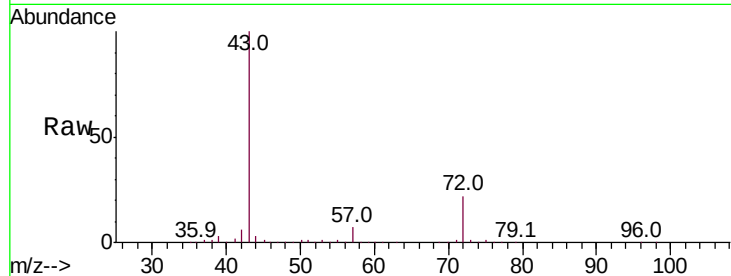
72 21.7 17.5 26.3

Manual Integrations

APPROVED

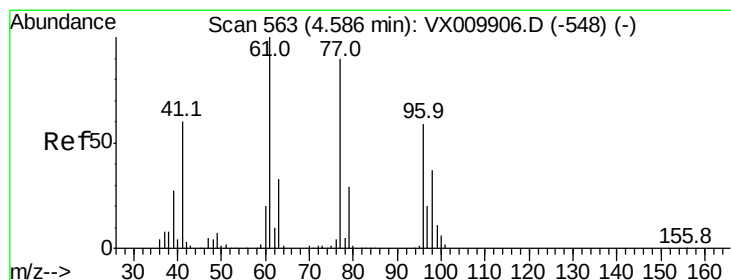
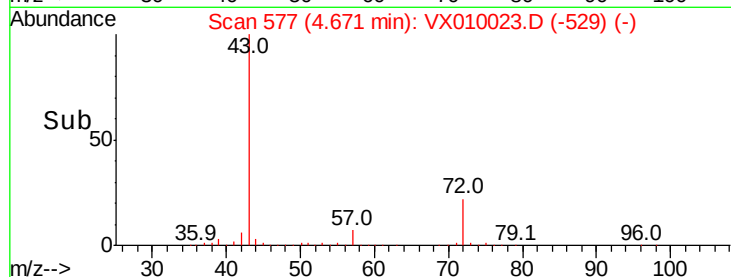
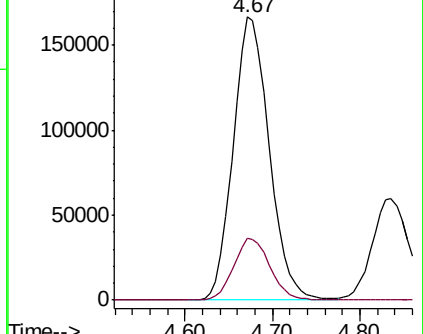
MMDadoda

6/3/2019 9:34:41 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 27.968 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX010023.D

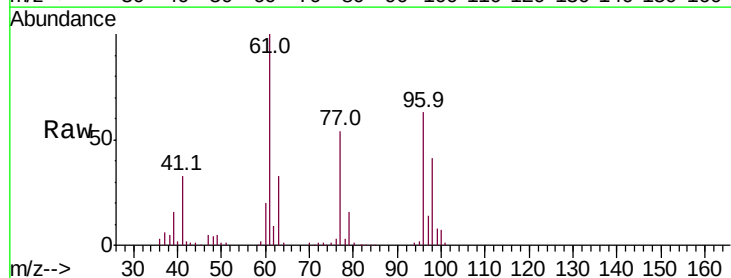
Acq: 01 Jun 2019 07:12

Tgt Ion: 77 Resp: 75938

Ion Ratio Lower Upper

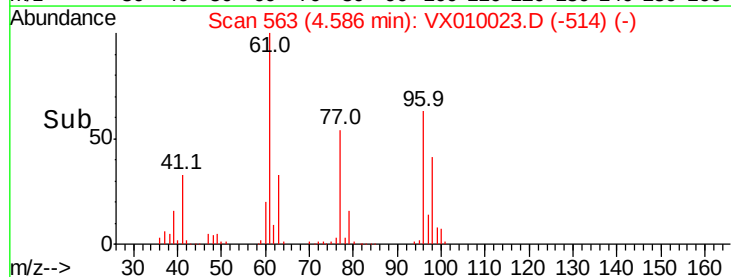
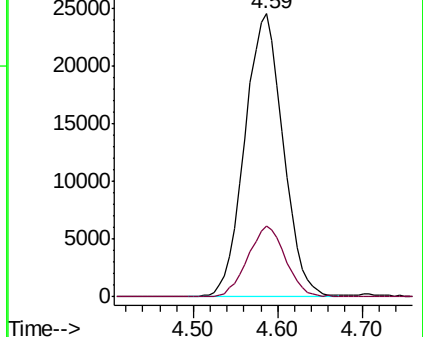
77 100

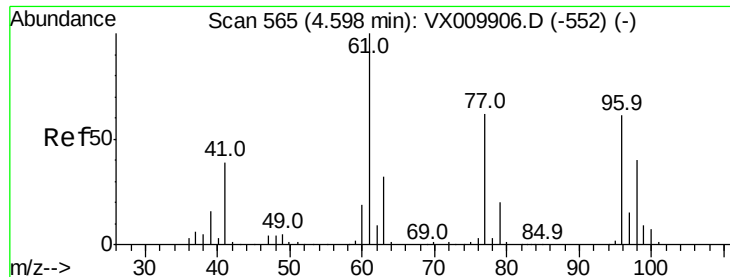
97 24.8 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

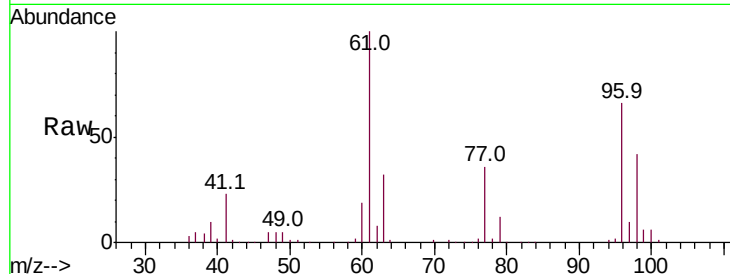
cis-1,2-Dichloroethene
 Concen: 46.546 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX010023.D
 Acq: 01 Jun 2019 07:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

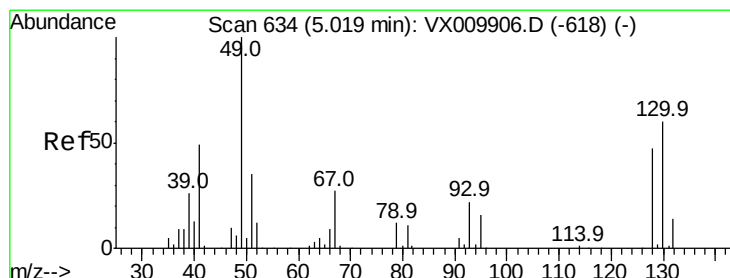
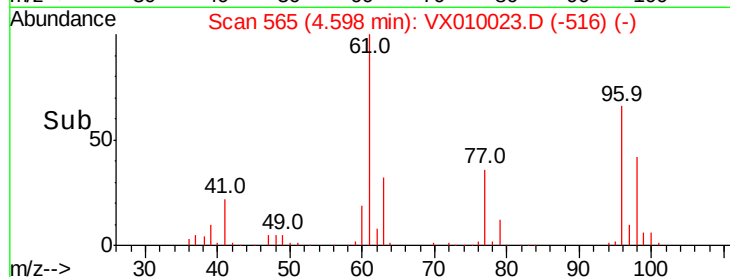
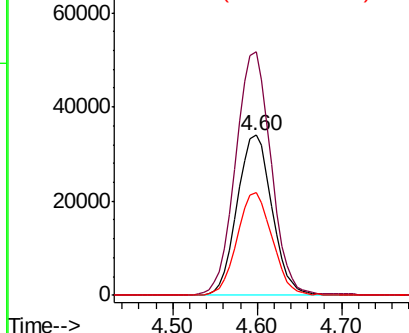
Tot Ion	Ratio	Lower	Upper
96	100		
61	154.7	0.0	334.0
98	64.3	0.0	131.6

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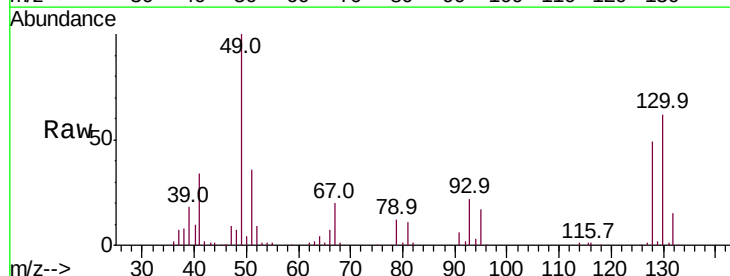
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



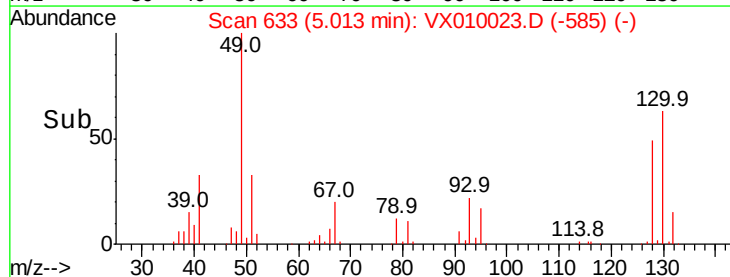
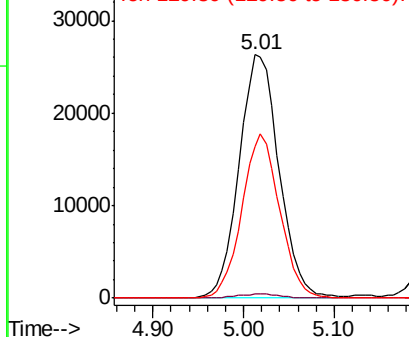
#28

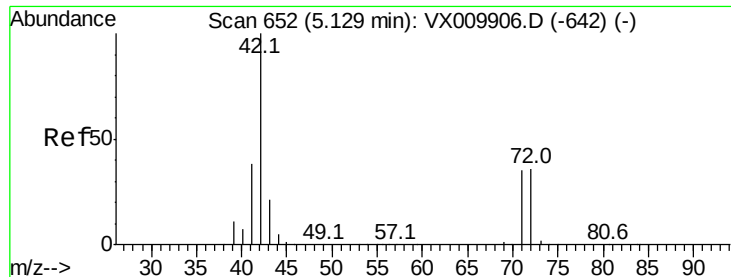
Bromochloromethane
 Concen: 43.088 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX010023.D
 Acq: 01 Jun 2019 07:12

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	63.9	49.4	74.2



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





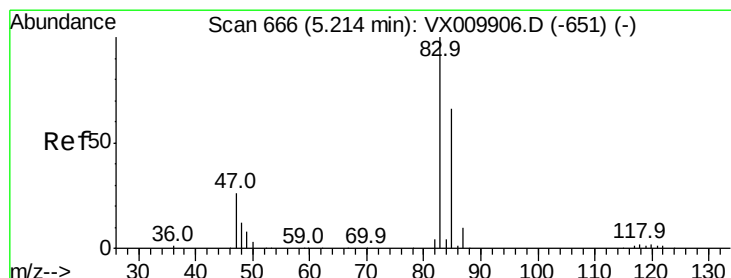
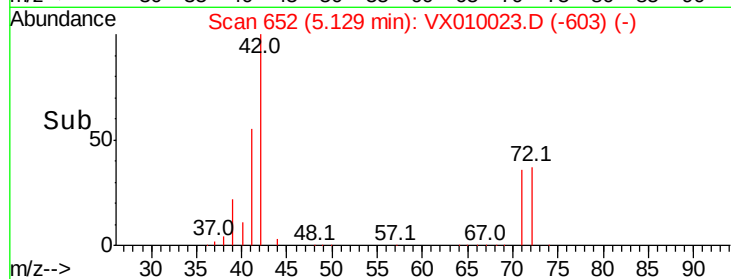
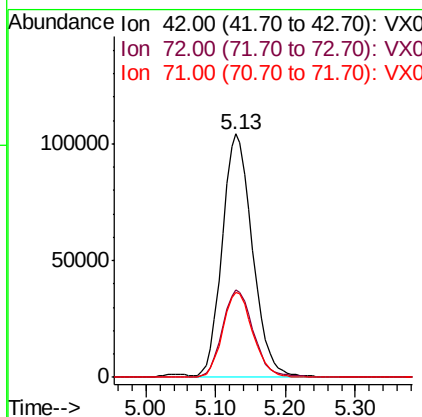
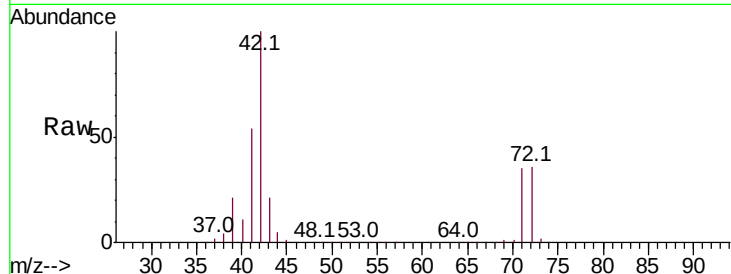
#29
Tetrahydrofuran
Concen: 241.630 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX010023.D
Acq: 01 Jun 2019 07:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.0	29.2	43.8
71	35.2	27.6	41.4

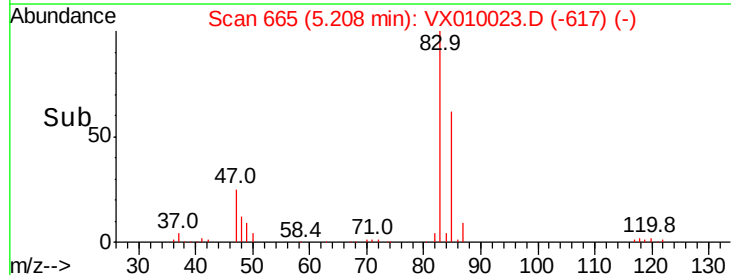
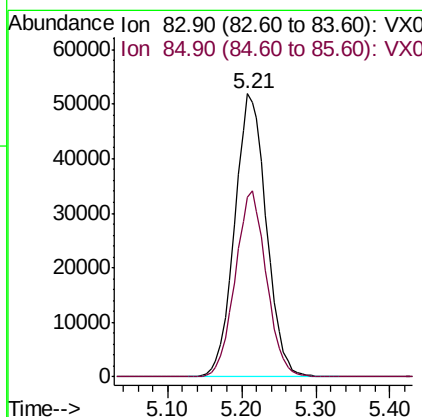
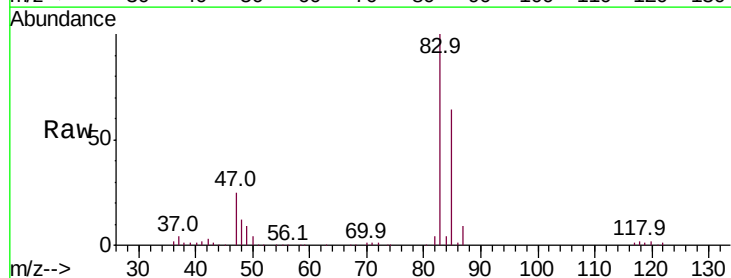
Manual Integrations
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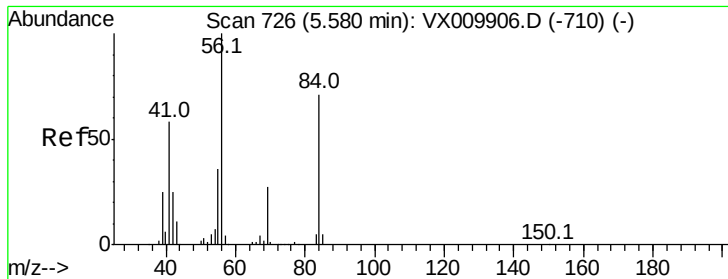
MMDadoda
6/3/2019 9:34:41 AM



#30
Chloroform
Concen: 47.832 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX010023.D
Acq: 01 Jun 2019 07:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.6	78.8





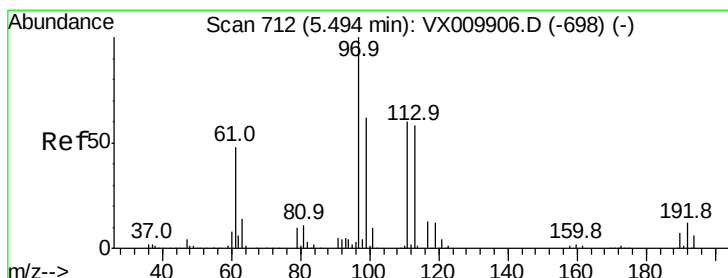
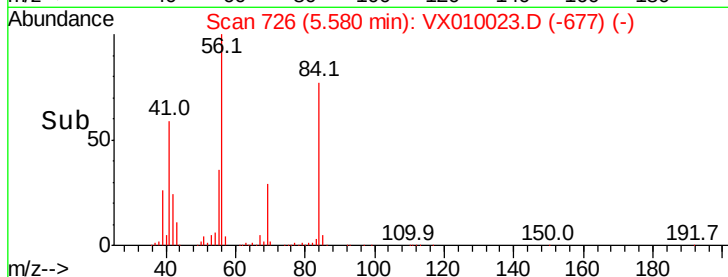
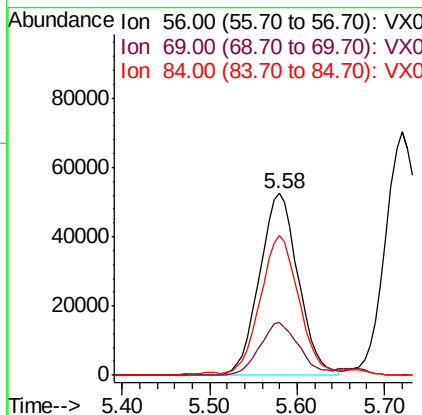
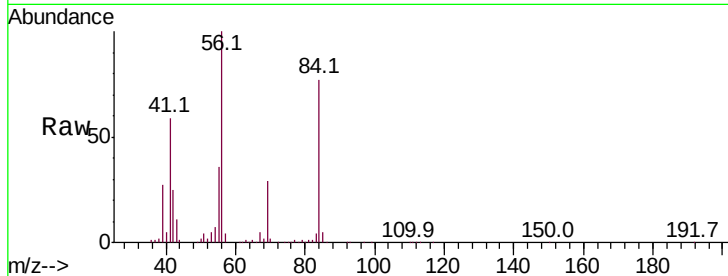
#31
Cyclohexane
Concen: 47.647 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX010023.D
Acq: 01 Jun 2019 07:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.0	21.6	32.4
84	76.1	56.8	85.2

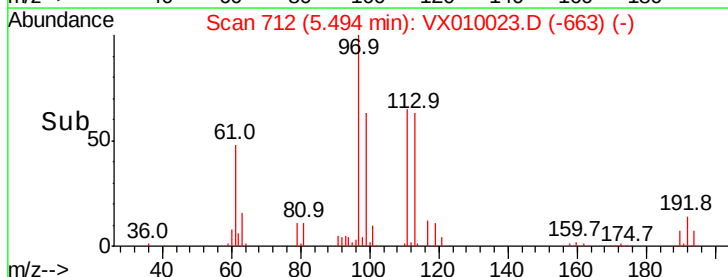
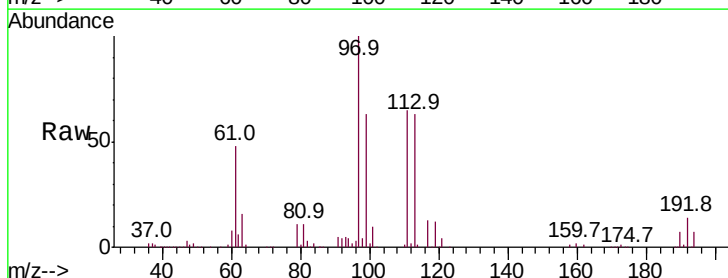
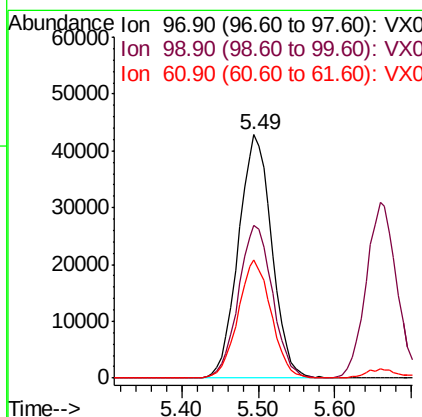
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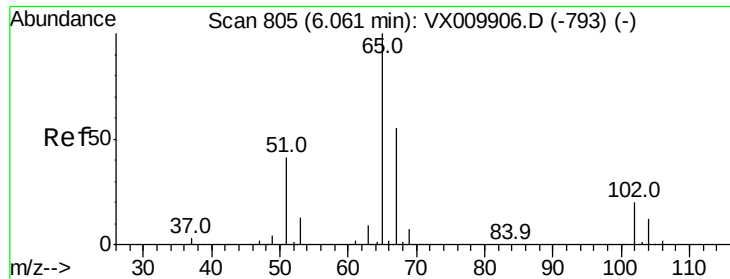
MMDadoda
6/3/2019 9:34:41 AM



#32
1,1,1-Trichloroethane
Concen: 49.298 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX010023.D
Acq: 01 Jun 2019 07:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.0	76.4
61	48.2	38.7	58.1





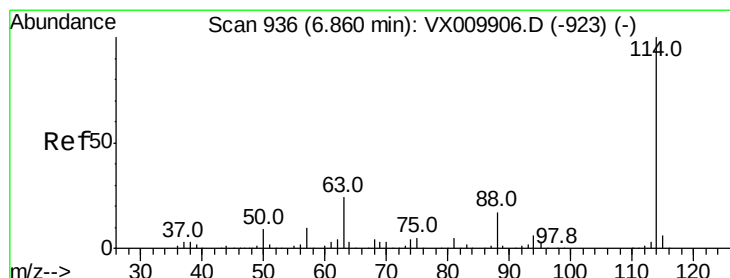
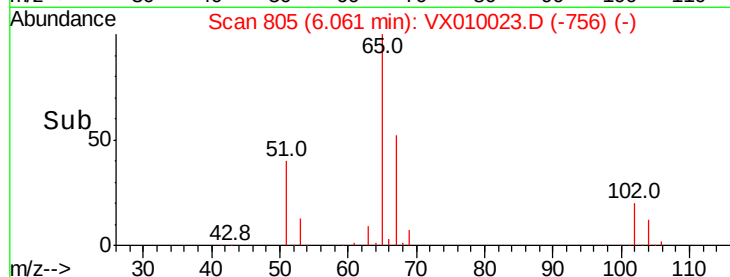
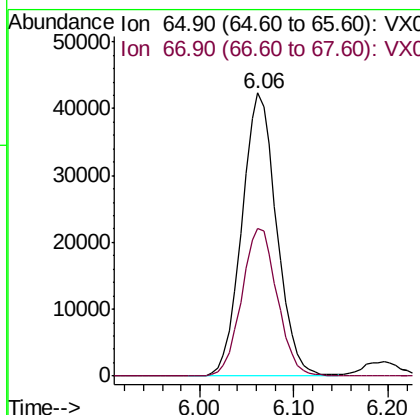
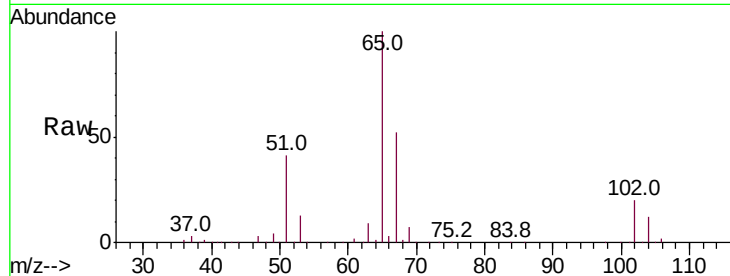
#33
 1,2-Dichloroethane-d4
 Concen: 48.985 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX010023.D
 Acq: 01 Jun 2019 07:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	108.4

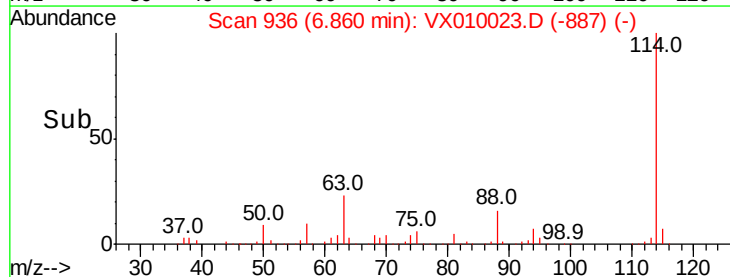
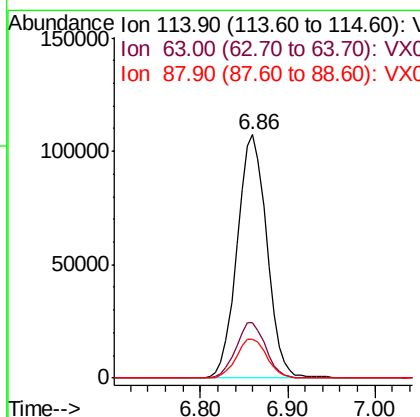
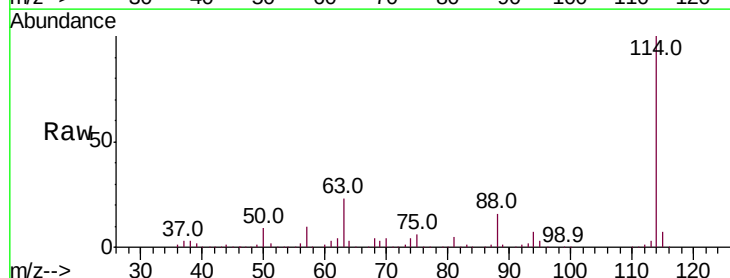
Manual Integrations
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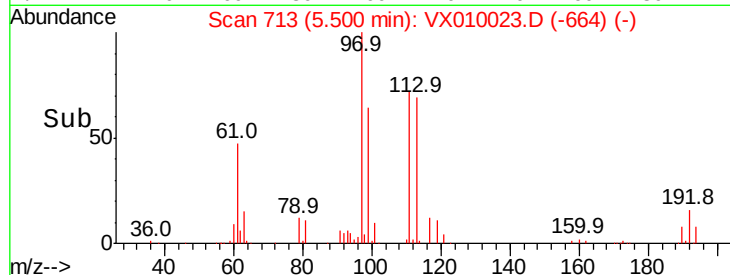
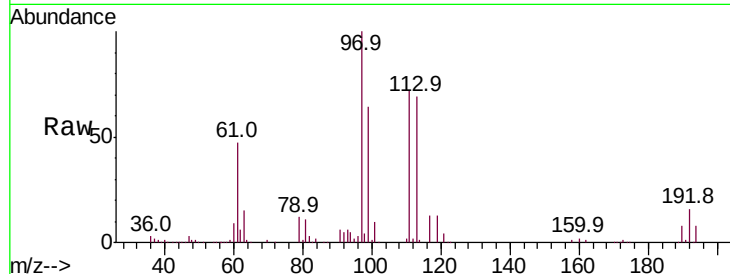
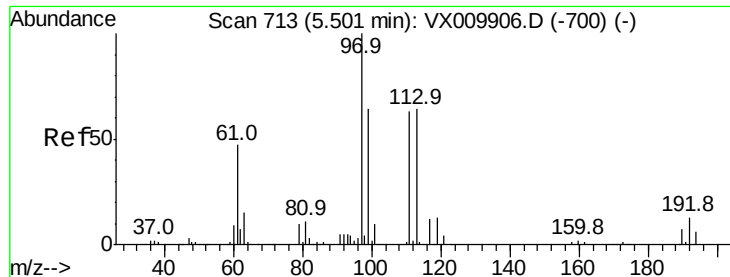
MMDadoda
 6/3/2019 9:34:41 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010023.D
 Acq: 01 Jun 2019 07:12

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	47.4
88	16.1	0.0	33.0





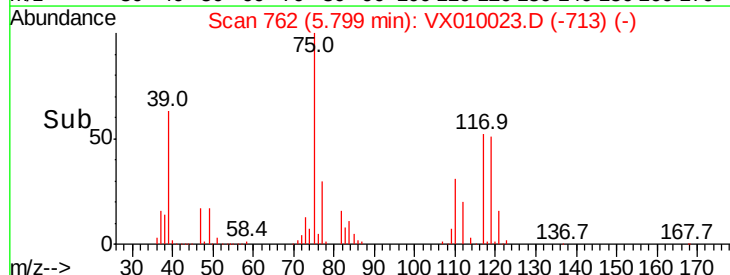
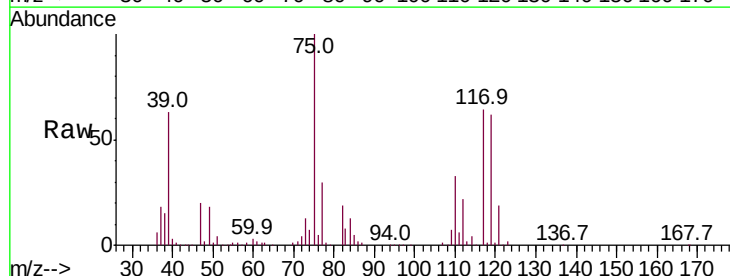
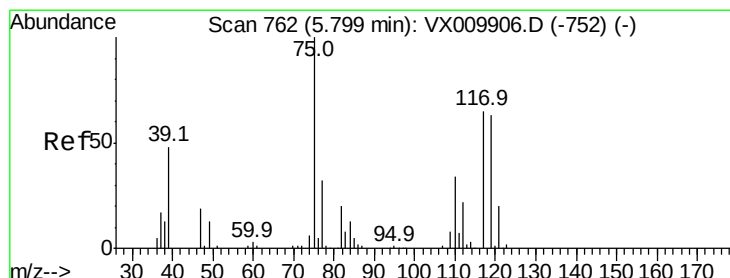
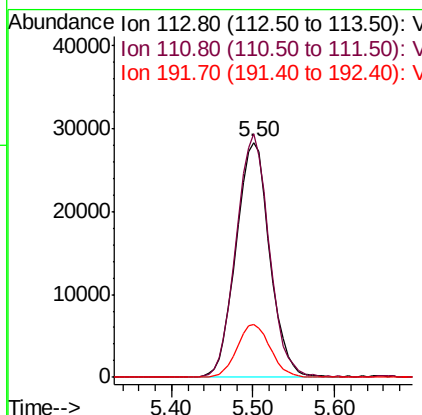
#35
Dibromofluoromethane
Concen: 50.919 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX010023.D
Acq: 01 Jun 2019 07:12

Tot Ion	Ratio	Resp	Lower	Upper
113	100	81266		
111	102.1	82.2	123.2	
192	22.3	17.1	25.7	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

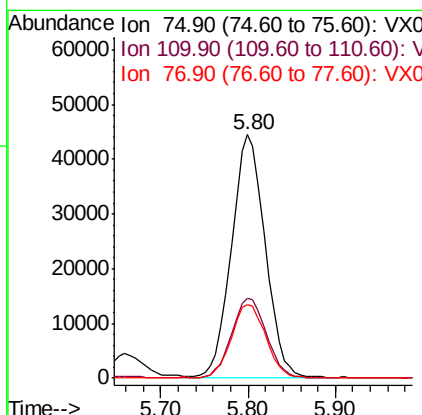
Manual Integrations
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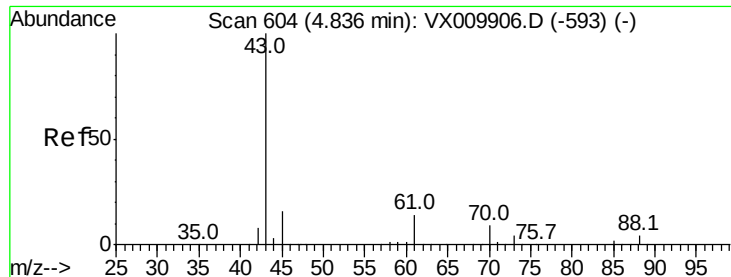
MMDadoda
6/3/2019 9:34:41 AM



#36
1,1-Dichloropropene
Concen: 46.108 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX010023.D
Acq: 01 Jun 2019 07:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	118758		
110	34.0	16.7	50.1	
77	31.3	25.0	37.4	





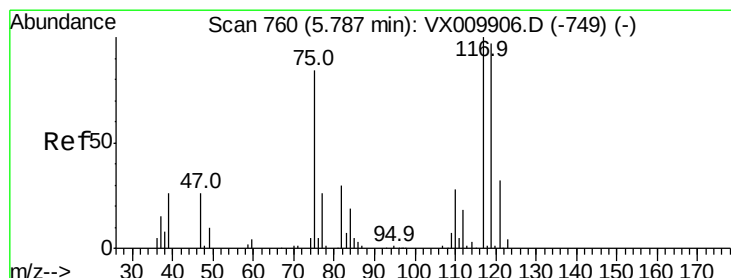
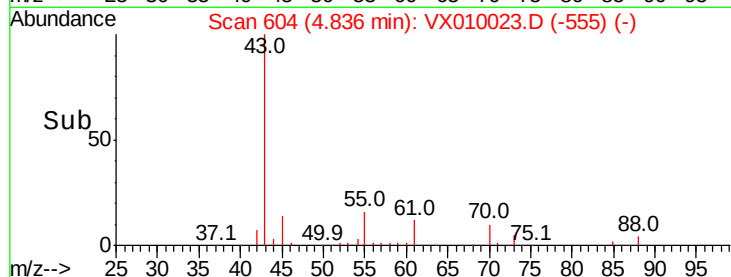
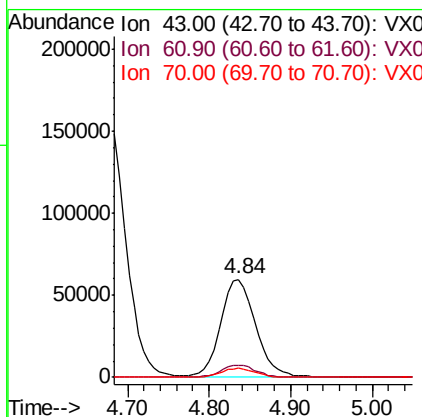
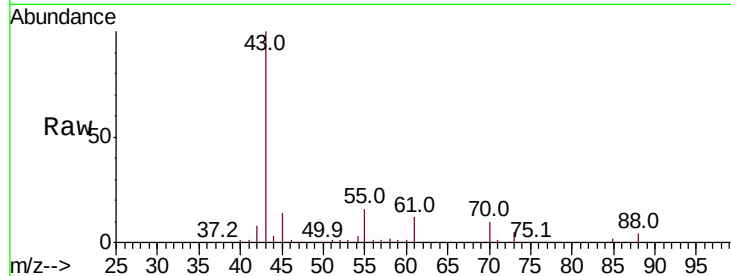
#37
Ethyl Acetate
Concen: 49.230 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX010023.D
Acq: 01 Jun 2019 07:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	43	Resp:	176677
Ion	Ratio	Lower	Upper
43	100		
61	12.3	10.2	15.2
70	9.2	7.4	11.2

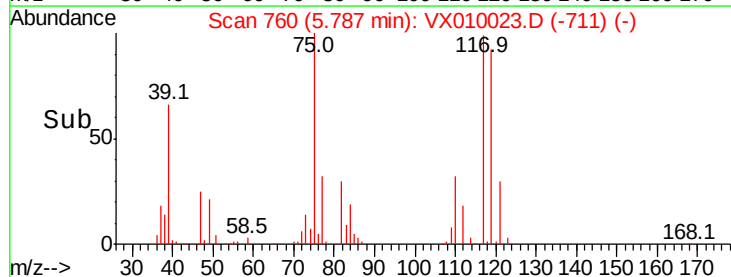
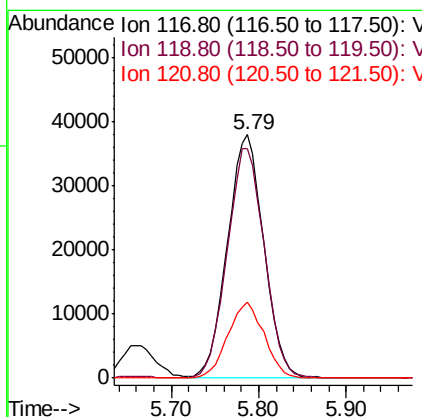
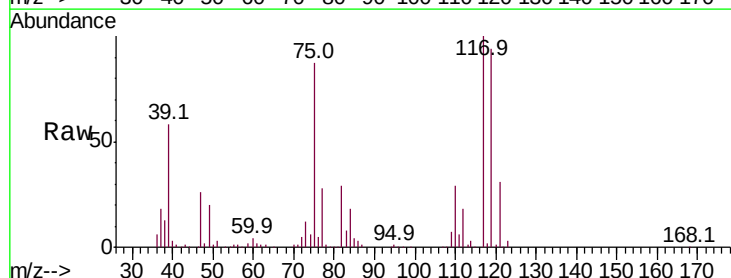
Manual Integrations
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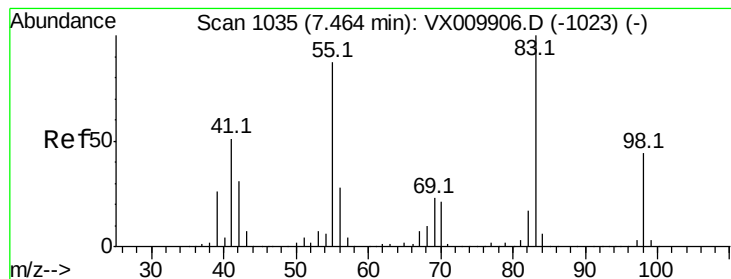
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#38
Carbon Tetrachloride
Concen: 49.457 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX010023.D
Acq: 01 Jun 2019 07:12

Tgt Ion:	117	Resp:	110076
Ion	Ratio	Lower	Upper
117	100		
119	94.0	77.3	115.9
121	31.0	25.4	38.0





#39

Methylvlcyclohexane

Concen: 46.891 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX010023.D

Acq: 01 Jun 2019 07:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 143260

Ion Ratio Lower Upper

83 100

55 83.5 69.9 104.9

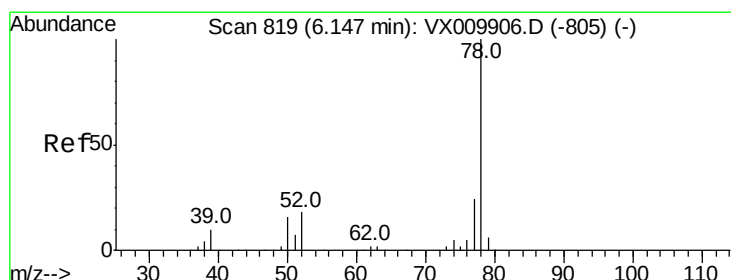
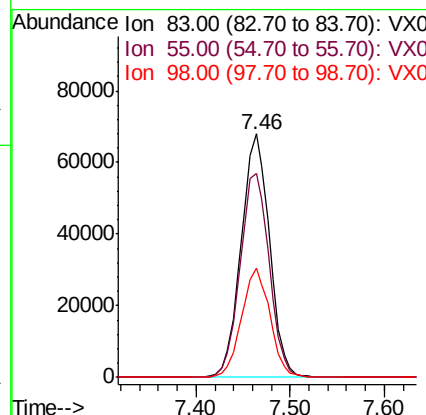
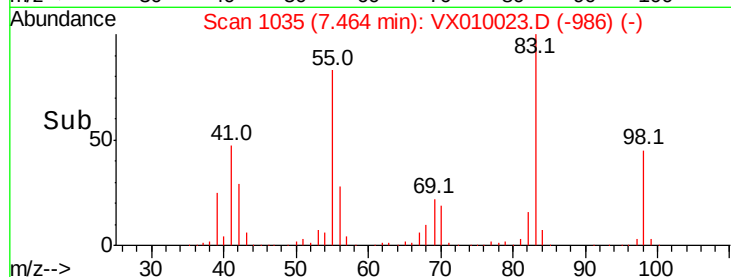
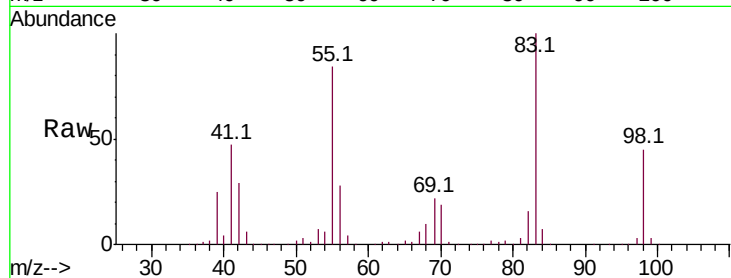
98 45.0 35.1 52.7

Manual Integrations

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#40

Benzene

Concen: 47.787 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX010023.D

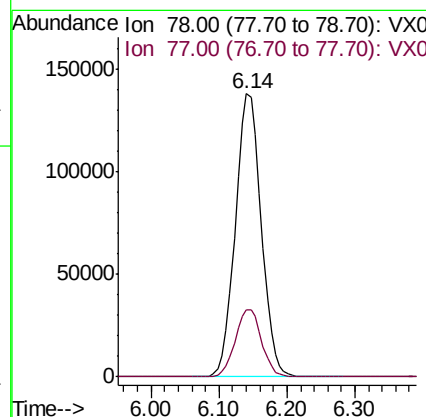
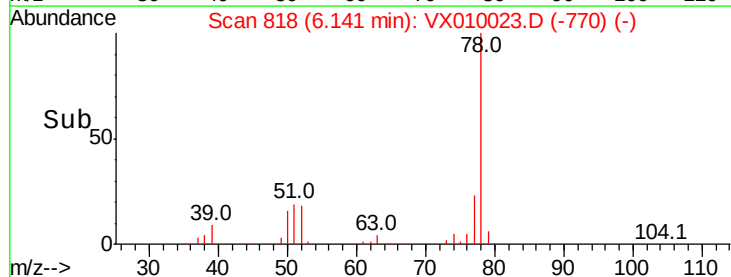
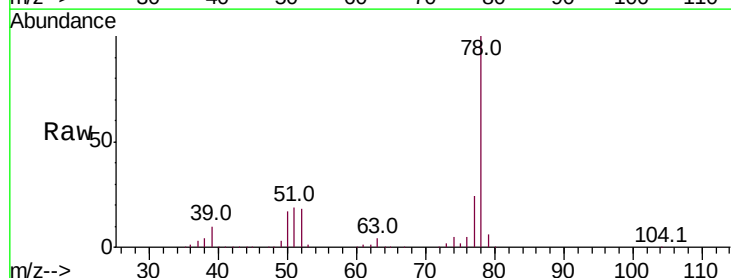
Acq: 01 Jun 2019 07:12

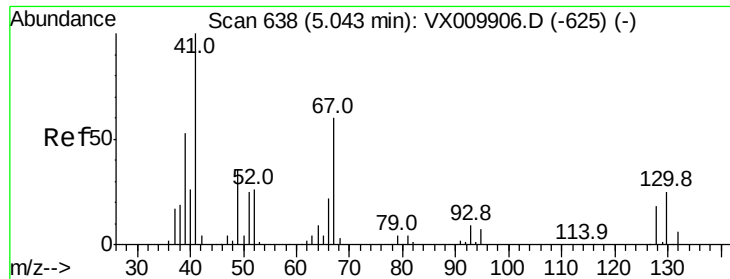
Tgt Ion: 78 Resp: 365117

Ion Ratio Lower Upper

78 100

77 23.8 19.2 28.8





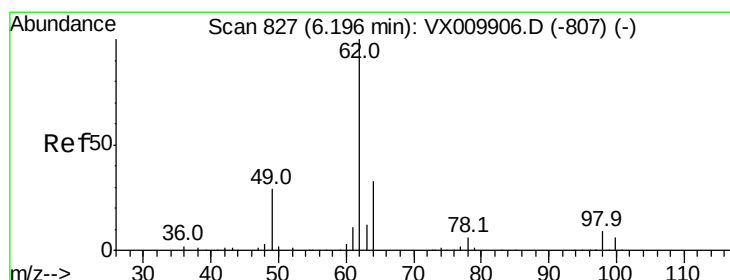
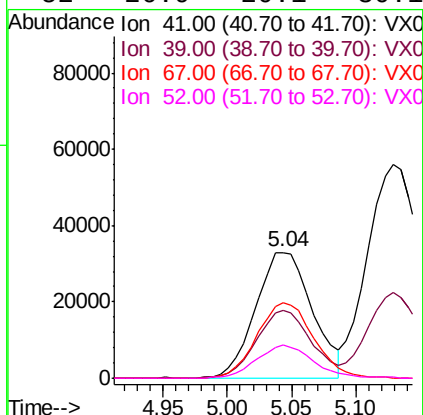
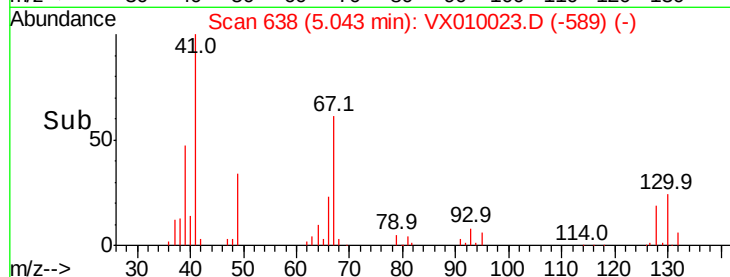
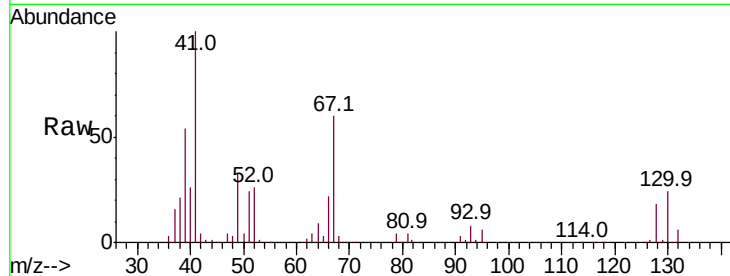
#41
Methacrylonitrile
Concen: 47.989 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX010023.D
Acq: 01 Jun 2019 07:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.0	42.2	63.4	
67	60.3	48.9	73.3	
52	26.9	20.1	30.1	

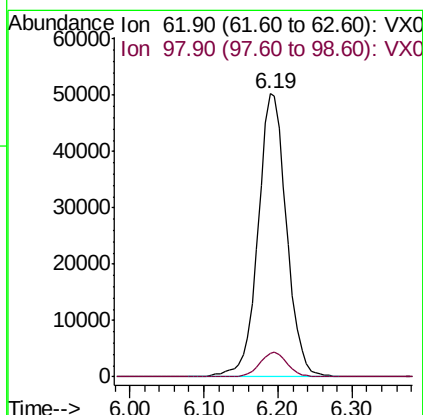
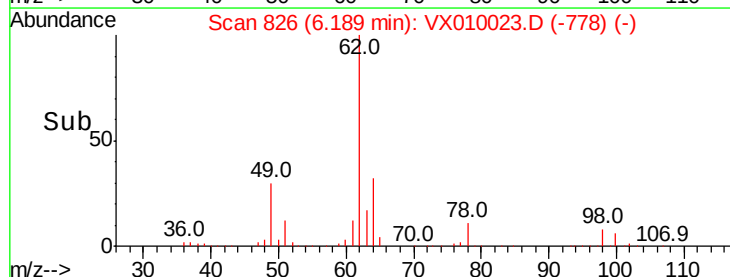
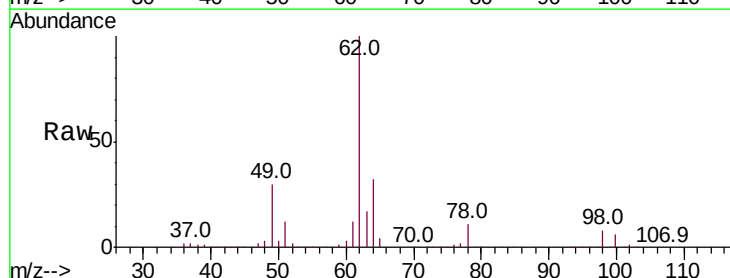
Manual Integrations
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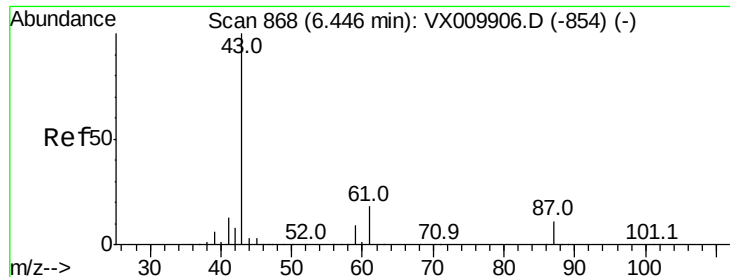
MMDadoda
6/3/2019 9:34:41 AM



#42
1,2-Dichloroethane
Concen: 47.613 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX010023.D
Acq: 01 Jun 2019 07:12

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	17.2	





#43

Isopropyl Acetate

Concen: 47.723 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX010023.D

Acq: 01 Jun 2019 07:12

Instrument :

MSVOA_X

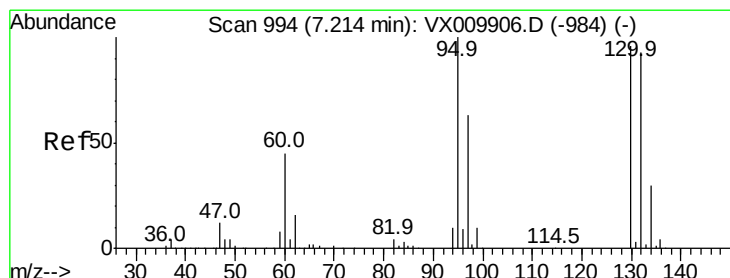
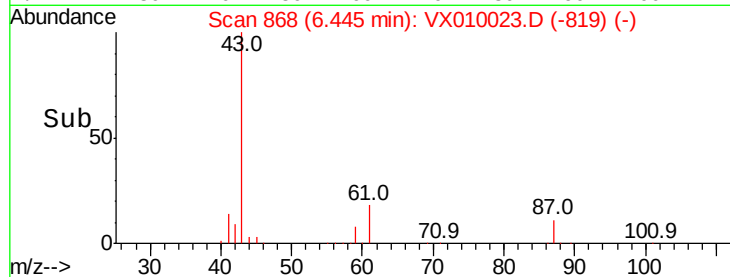
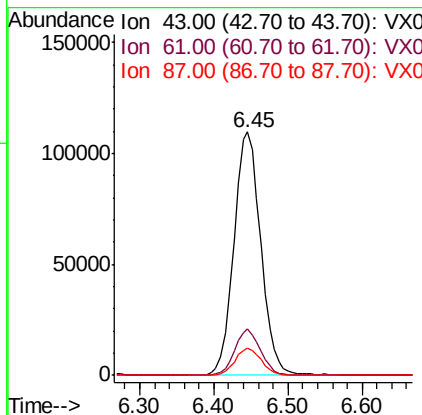
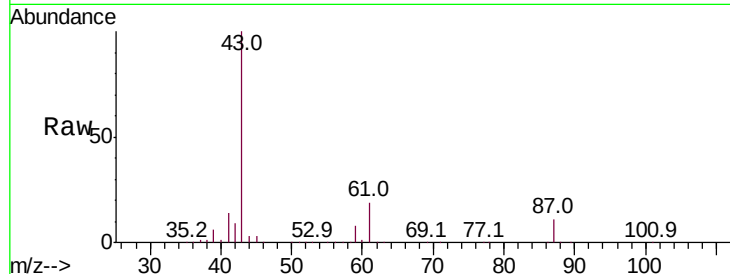
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	276350
Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.6	21.8
87	11.1	8.7	13.1

Manual Integrations
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#44

Trichloroethene

Concen: 47.289 ug/l

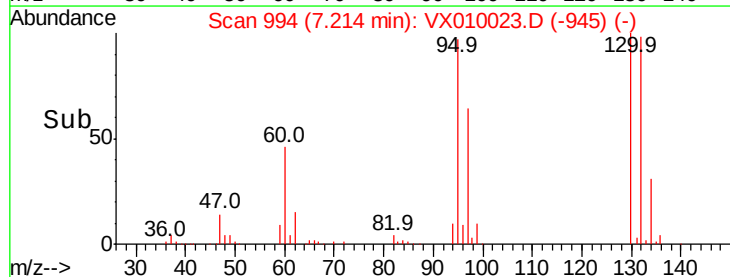
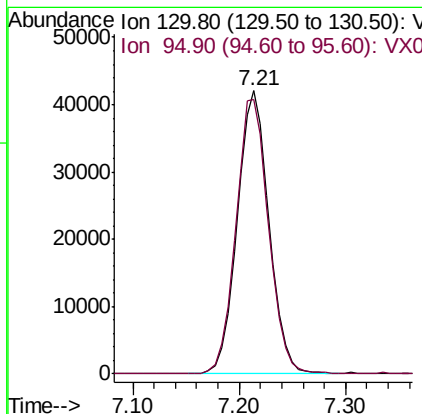
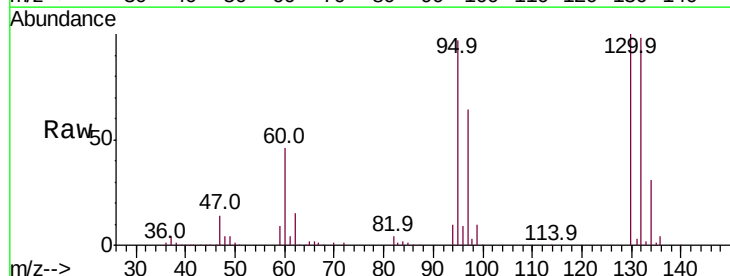
RT: 7.21 min Scan# 994

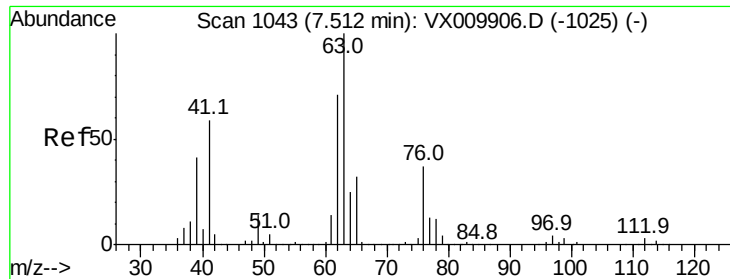
Delta R.T. -0.00 min

Lab File: VX010023.D

Acq: 01 Jun 2019 07:12

Tgt Ion:	130	Resp:	87763
Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	207.4





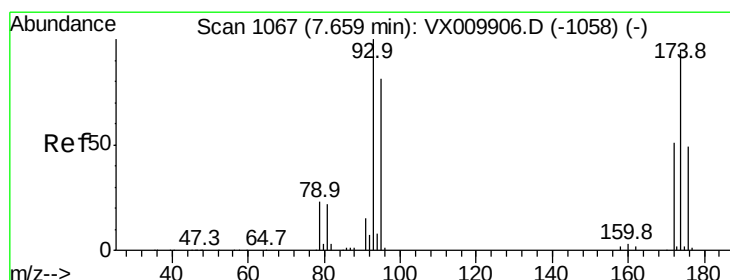
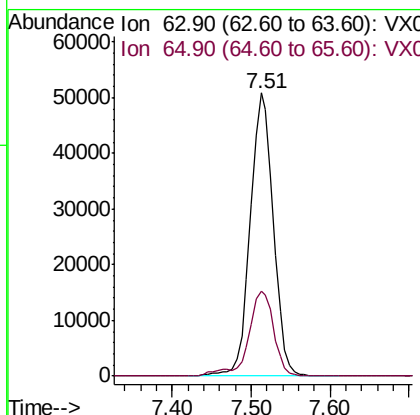
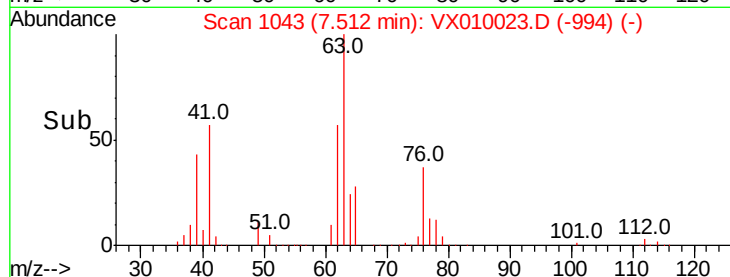
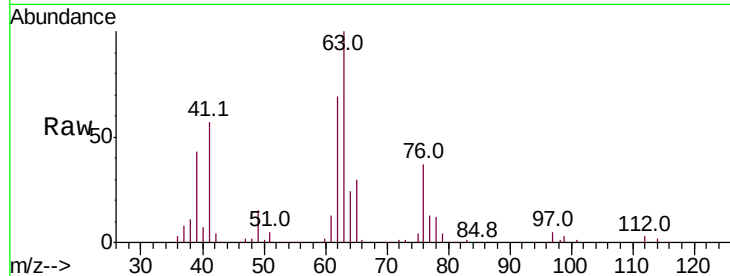
#45
 1,2-Dichloropropane
 Concen: 47.102 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX010023.D
 Acq: 01 Jun 2019 07:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 103597
 Ion Ratio Lower Upper
 63 100
 65 29.8 25.7 38.5

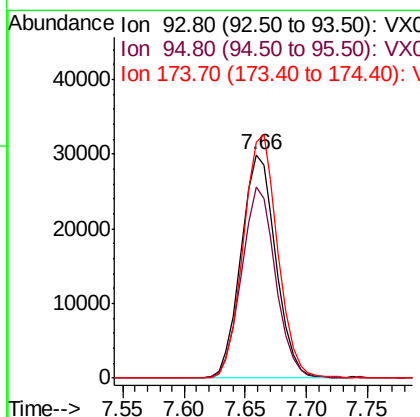
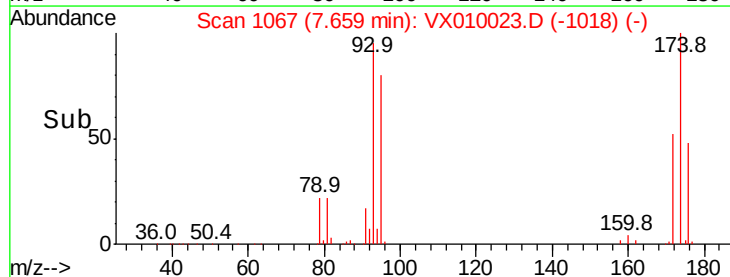
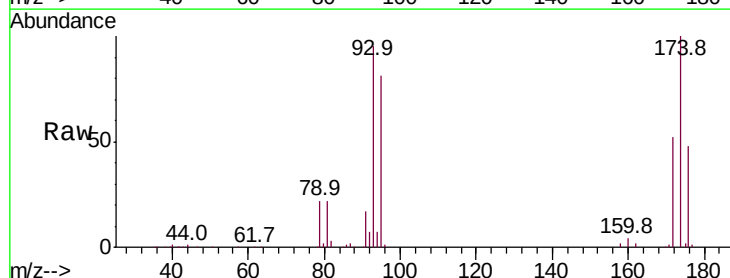
Manual Integrations
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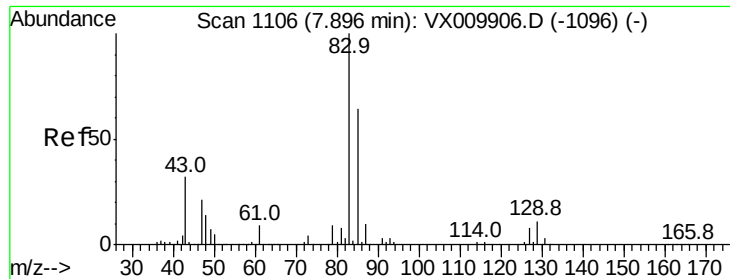
MMDadoda
 6/3/2019 9:34:41 AM



#46
 Dibromomethane
 Concen: 45.649 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX010023.D
 Acq: 01 Jun 2019 07:12

Tgt Ion: 93 Resp: 59099
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.8 100.2
 174 108.1 81.9 122.9





#47

Bromodichloromethane

Concen: 49.473 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX010023.D

Acq: 01 Jun 2019 07:12

Instrument :

MSVOA_X

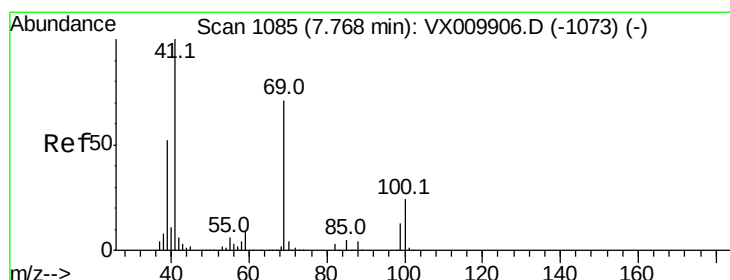
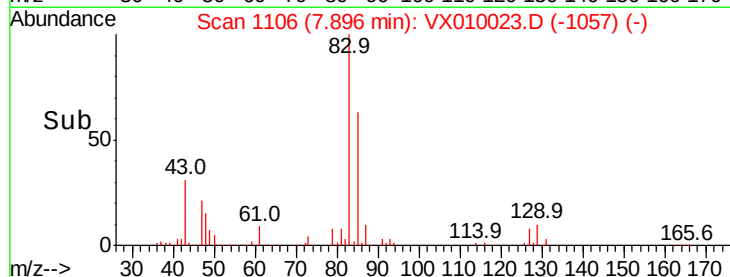
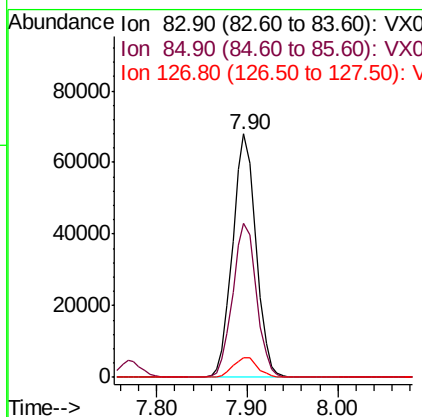
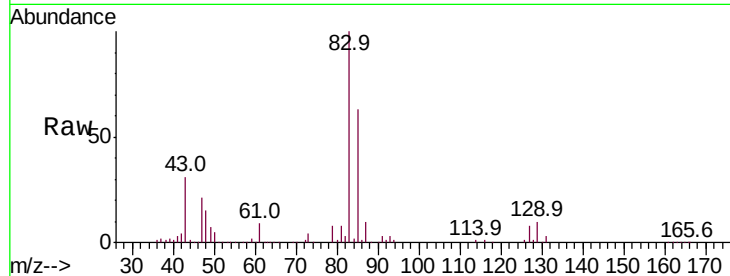
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	121799
Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.4	77.2
127	8.1	6.4	9.6

Manual Integrations
APPROVED

MMDadoda
6/3/2019 9:34:41 AM



#48

Methyl methacrylate

Concen: 49.142 ug/l

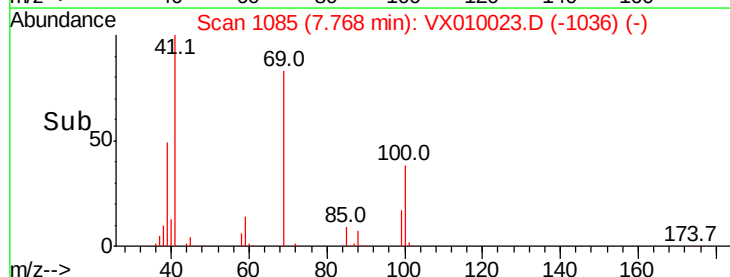
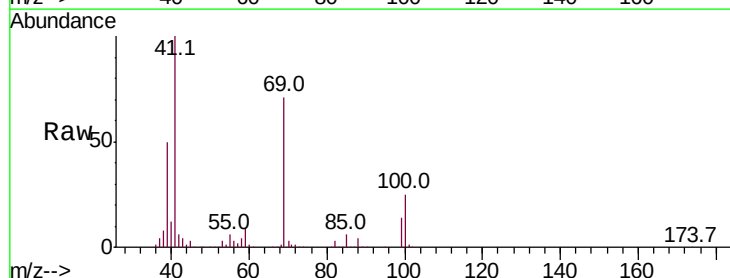
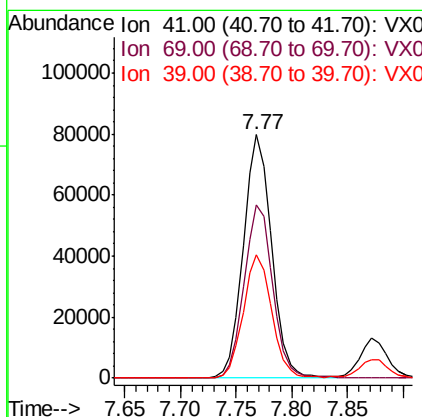
RT: 7.77 min Scan# 1085

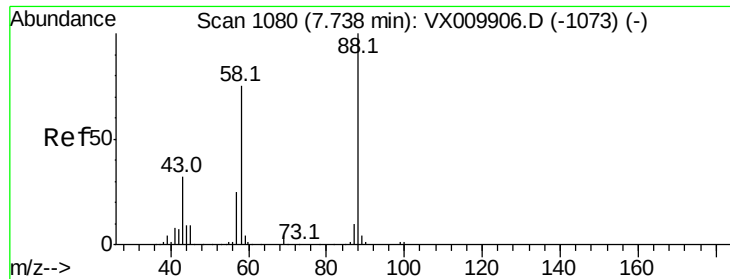
Delta R.T. -0.00 min

Lab File: VX010023.D

Acq: 01 Jun 2019 07:12

Tgt Ion:	41	Resp:	140872
Ion	Ratio	Lower	Upper
41	100		
69	72.2	56.4	84.6
39	50.6	40.6	60.8





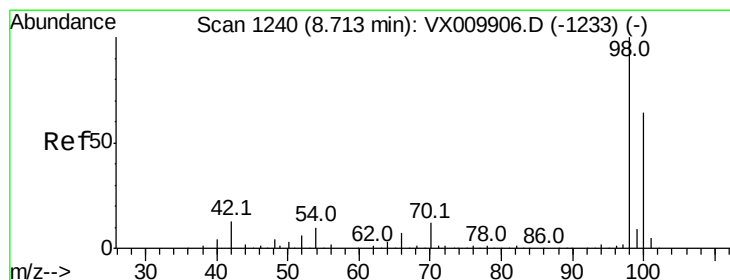
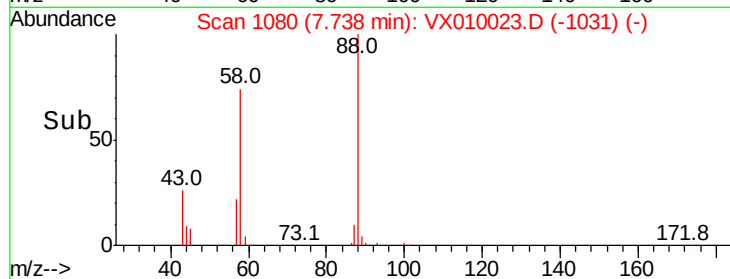
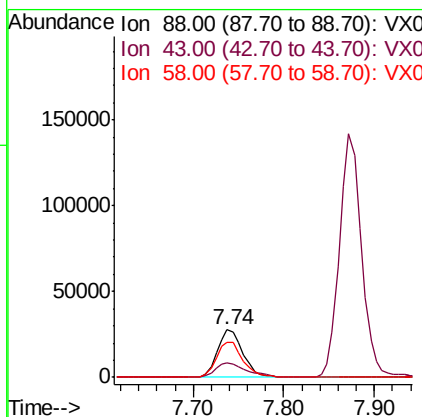
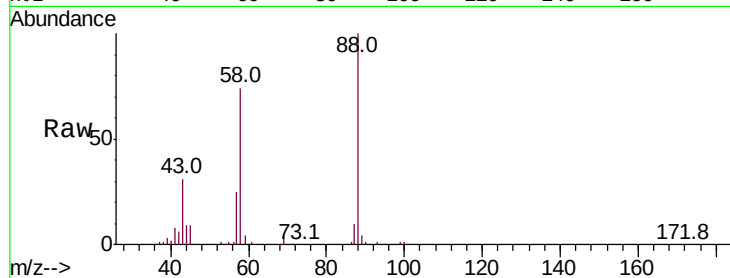
#49
1,4-Dioxane
Concen: 1029.863 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX010023.D
Acq: 01 Jun 2019 07:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.1	30.2	45.4
58	77.2	64.0	96.0

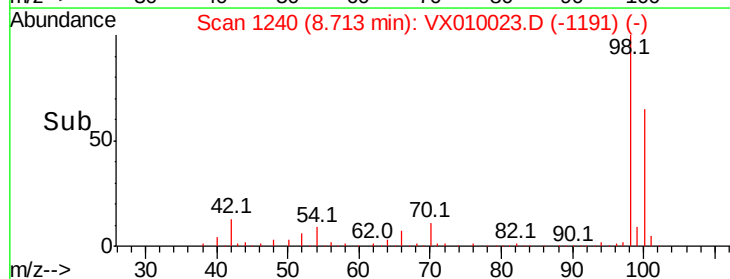
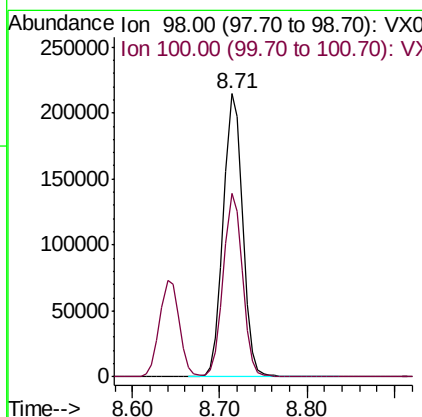
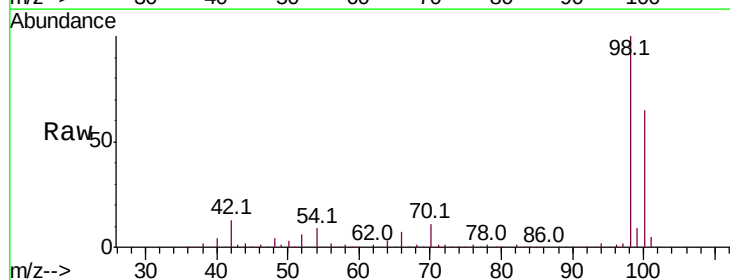
Manual Integrations
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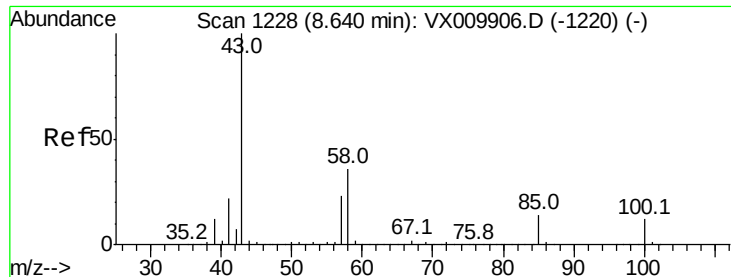
MMDadoda
6/3/2019 9:34:41 AM



#50
Toluene-d8
Concen: 51.021 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010023.D
Acq: 01 Jun 2019 07:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 246.872 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX010023.D

Acq: 01 Jun 2019 07:12

Instrument :

MSVOA_X

ClientSampleID :

VSTDCCC050EC

Tot Ion: 43 Resp: 929953

Ion Ratio Lower Upper

43 100

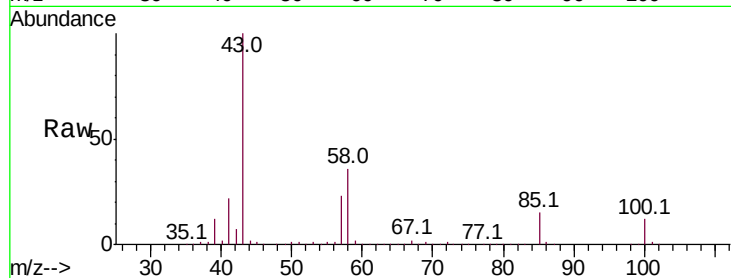
58 36.3 28.8 43.2

Manual Integrations

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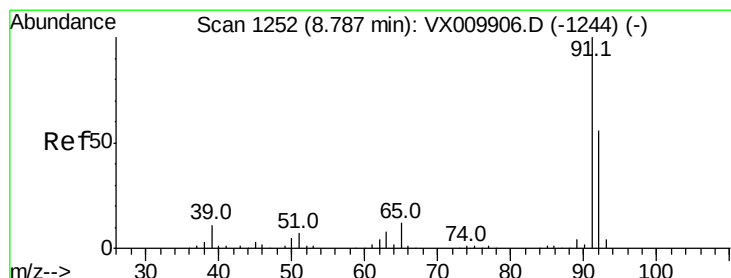
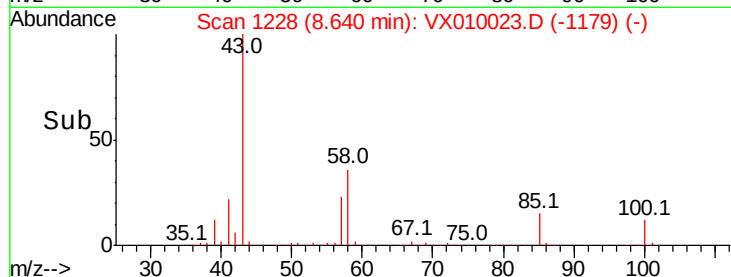
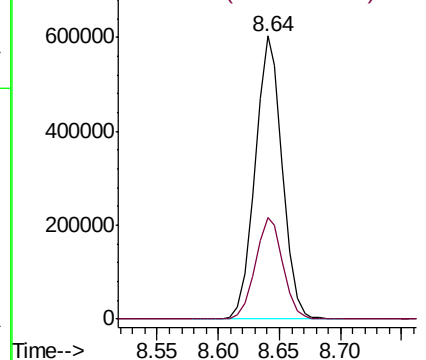
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 48.857 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX010023.D

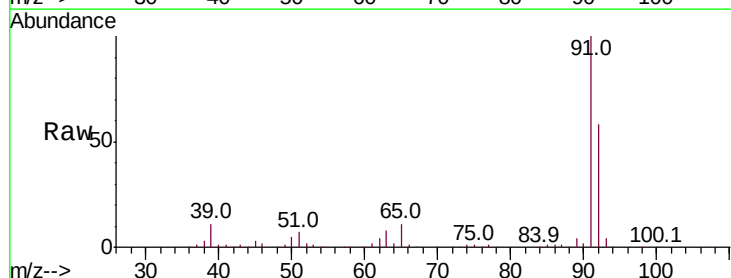
Acq: 01 Jun 2019 07:12

Tgt Ion: 92 Resp: 226647

Ion Ratio Lower Upper

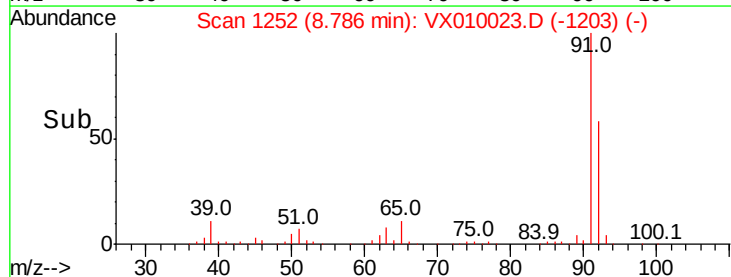
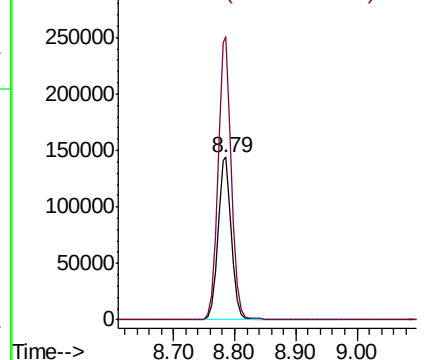
92 100

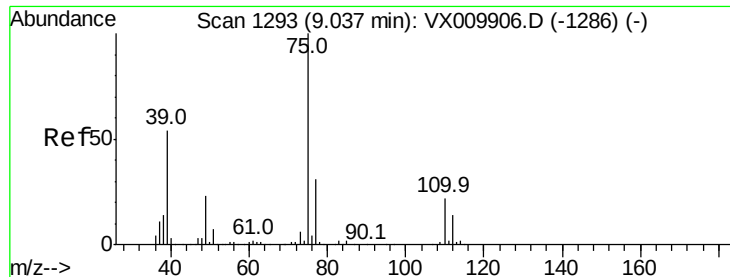
91 173.2 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 45.119 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX010023.D

Acq: 01 Jun 2019 07:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 133217

Ion Ratio Lower Upper

75 100

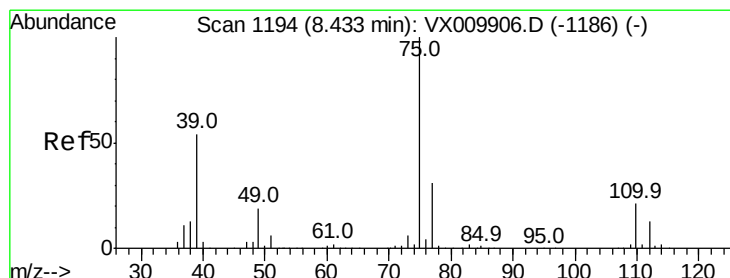
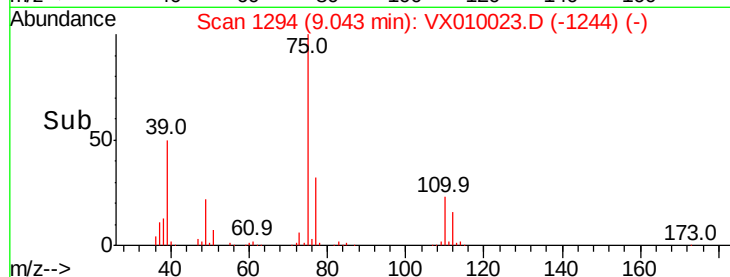
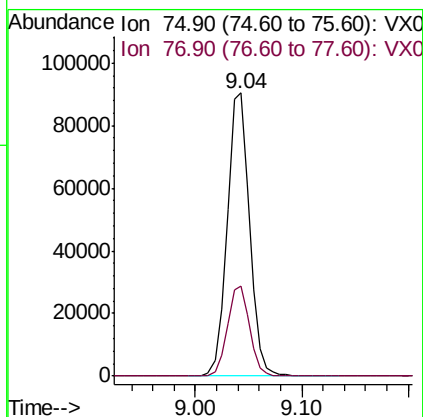
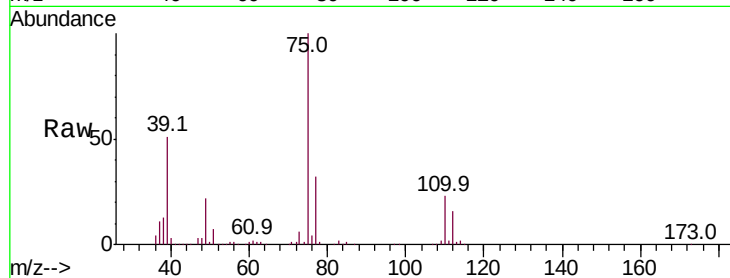
77 32.0 24.6 36.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 45.285 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX010023.D

Acq: 01 Jun 2019 07:12

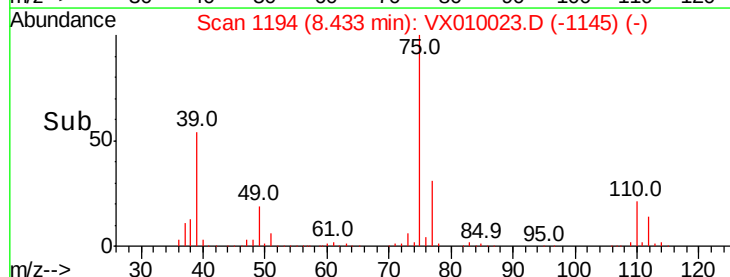
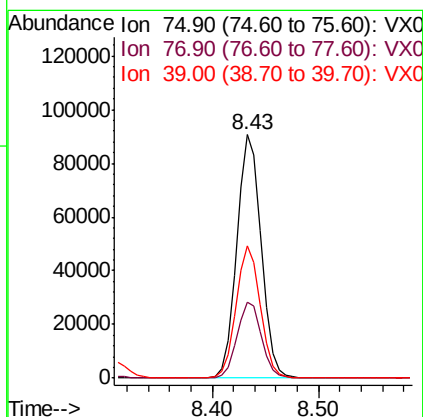
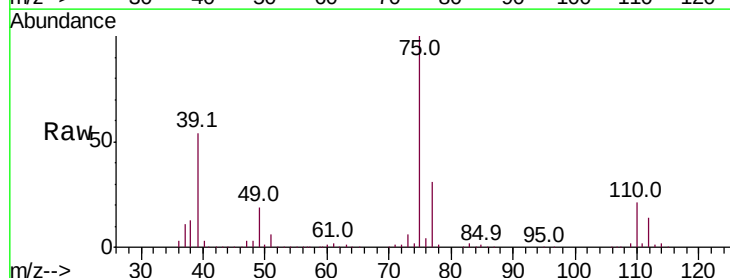
Tgt Ion: 75 Resp: 145681

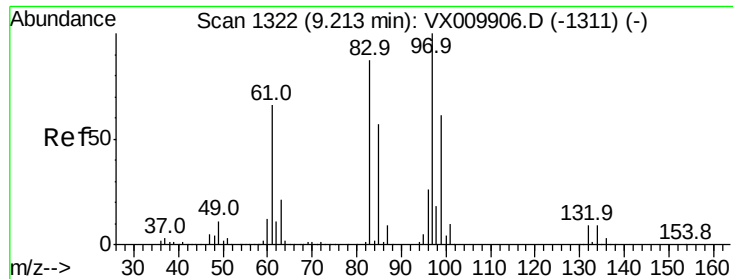
Ion Ratio Lower Upper

75 100

77 31.4 24.8 37.2

39 54.1 43.4 65.0





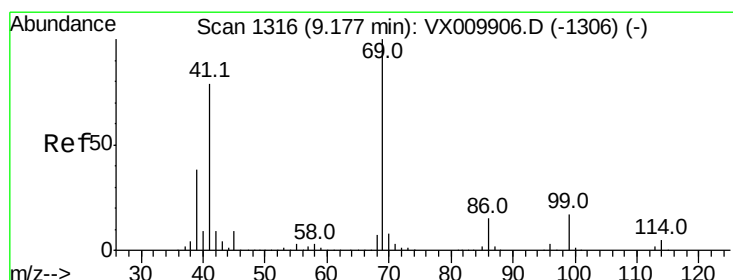
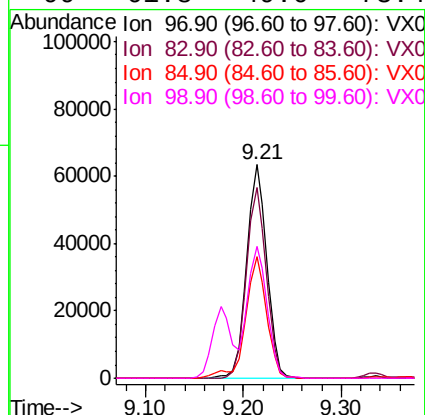
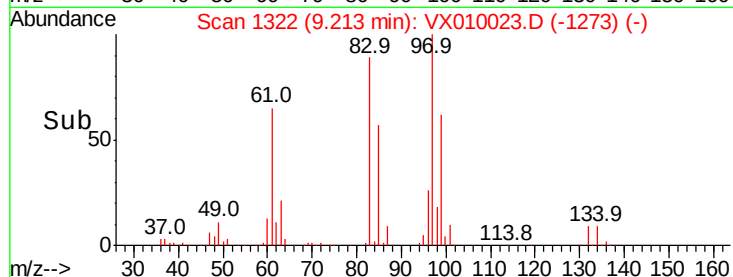
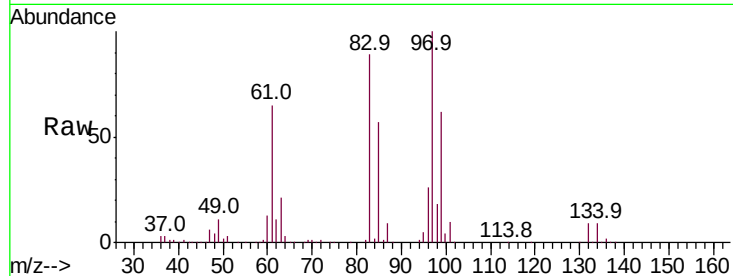
#55
 1,1,2-Trichloroethane
 Concen: 48.605 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX010023.D
 Acq: 01 Jun 2019 07:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	90752
Ion	Ratio	Lower	Upper
97	100		
83	89.0	69.8	104.8
85	57.2	45.3	67.9
99	61.8	49.0	73.4

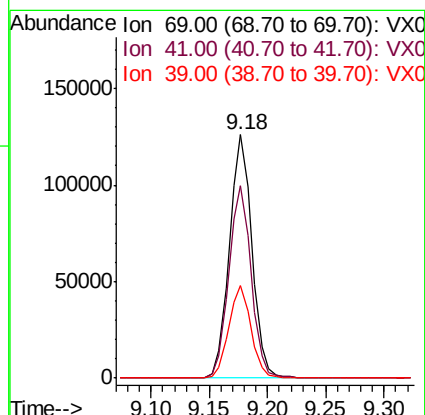
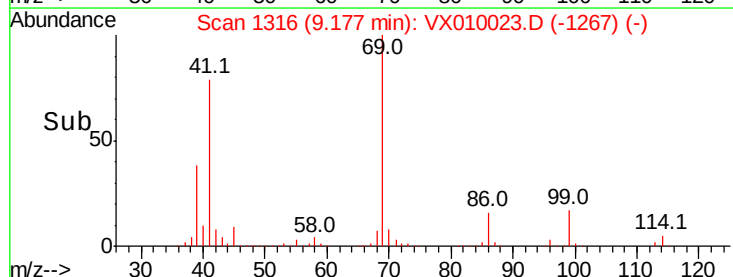
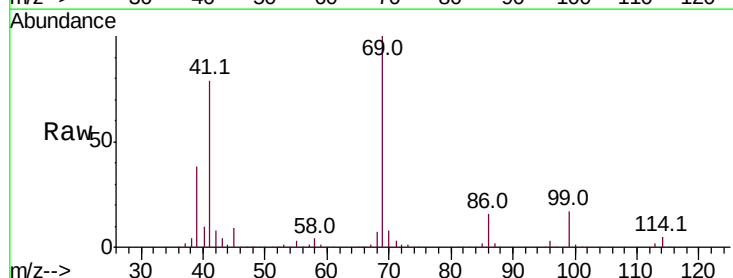
Manual Integrations
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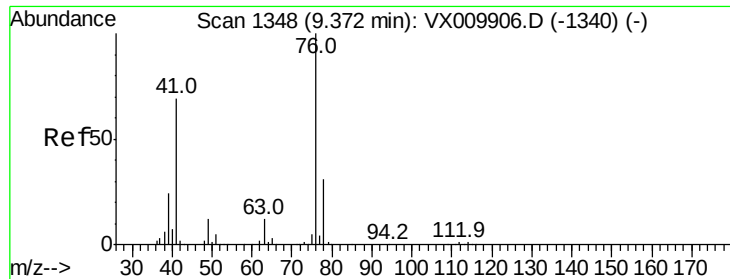
MMDadoda
 6/3/2019 9:34:41 AM



#56
 Ethyl methacrylate
 Concen: 50.858 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX010023.D
 Acq: 01 Jun 2019 07:12

Tgt Ion:	69	Resp:	169058
Ion	Ratio	Lower	Upper
69	100		
41	78.6	62.7	94.1
39	37.6	29.5	44.3





#57

1,3-Dichloropropane

Concen: 48.146 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX010023.D

Acq: 01 Jun 2019 07:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 161444

Ion Ratio Lower Upper

76 100

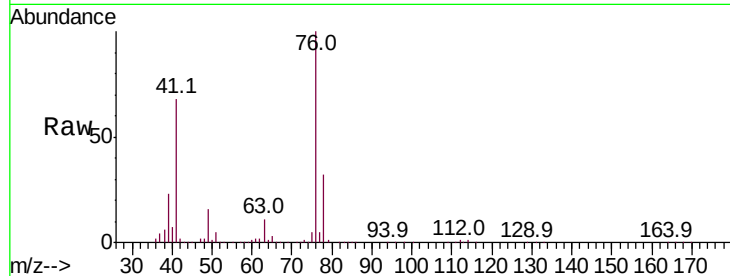
78 32.3 25.4 38.0

Manual Integrations

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MMDadoda

6/3/2019 9:34:41 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

120000

100000

80000

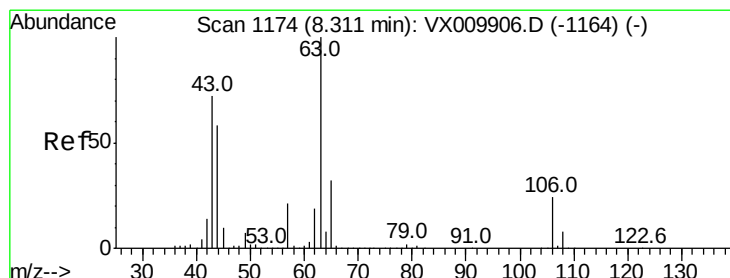
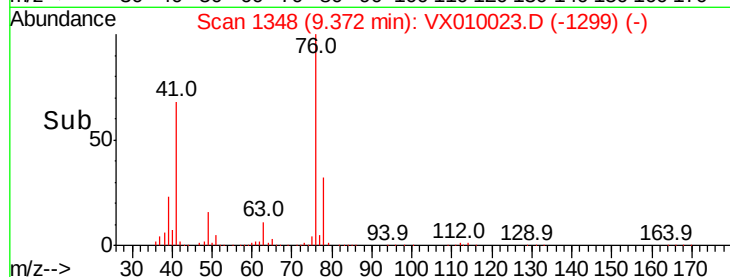
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 245.132 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX010023.D

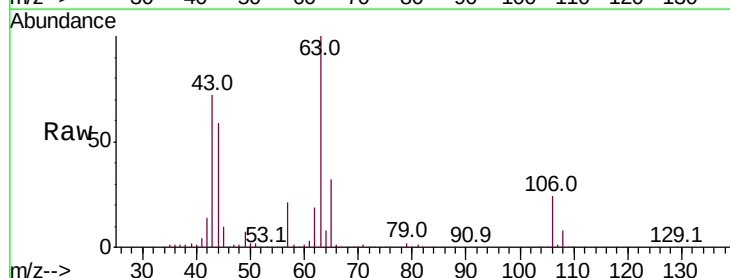
Acq: 01 Jun 2019 07:12

Tgt Ion: 63 Resp: 427284

Ion Ratio Lower Upper

63 100

106 24.4 19.4 29.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

300000

250000

200000

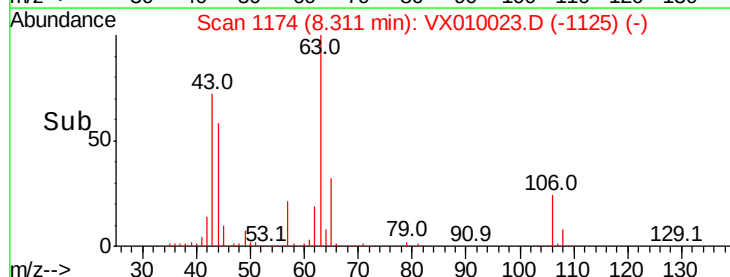
150000

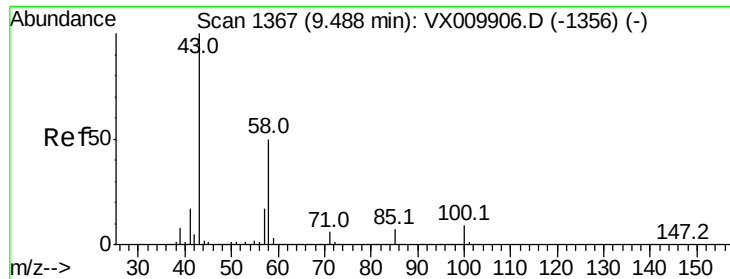
100000

50000

0

Time-->





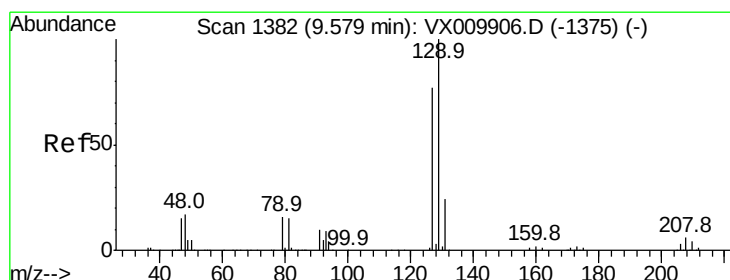
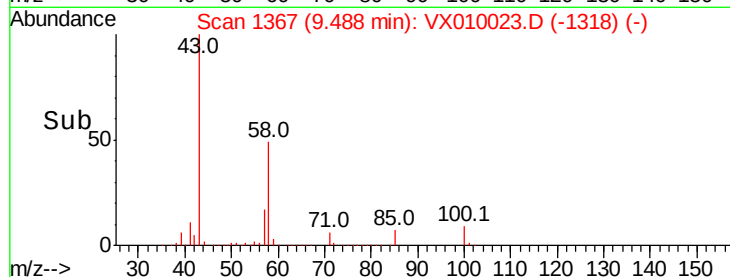
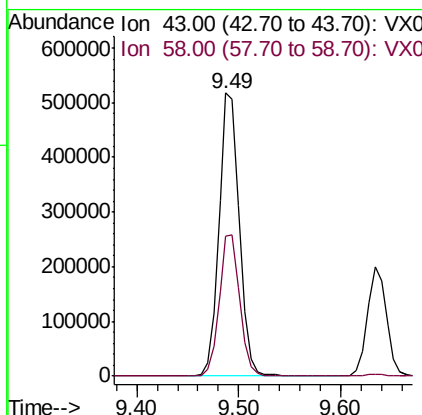
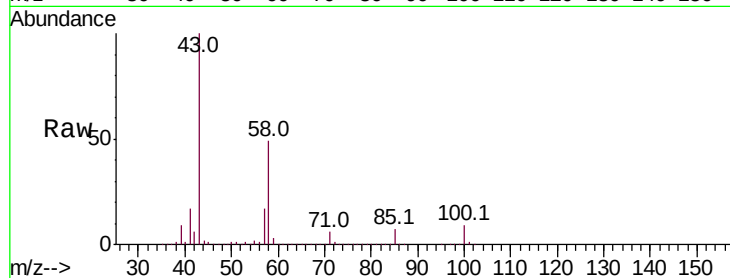
#59
2-Hexanone
Concen: 249.318 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX010023.D
Acq: 01 Jun 2019 07:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 723067
Ion Ratio Lower Upper
43 100
58 50.3 25.1 75.3

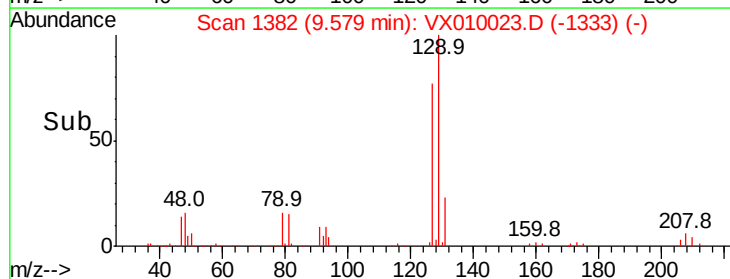
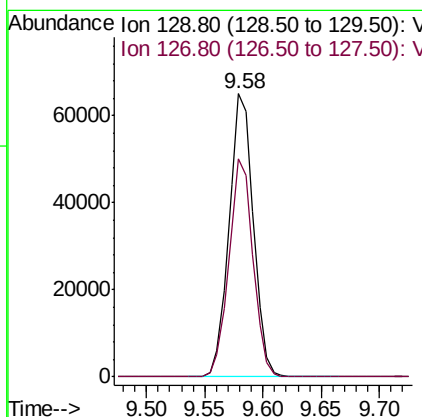
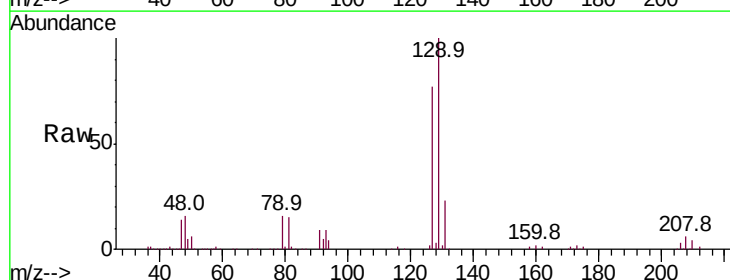
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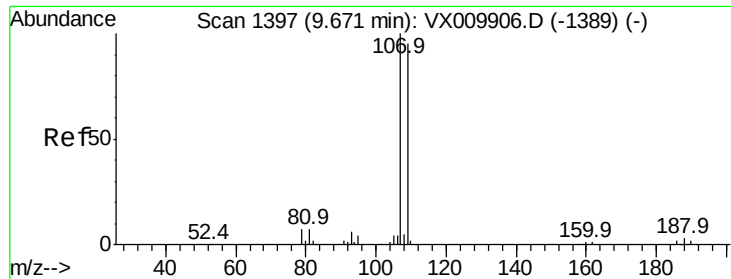
MMDadoda
6/3/2019 9:34:41 AM



#60
Dibromochloromethane
Concen: 51.297 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX010023.D
Acq: 01 Jun 2019 07:12

Tgt Ion: 129 Resp: 94217
Ion Ratio Lower Upper
129 100
127 76.4 38.5 115.5





#61

1,2-Dibromoethane

Concen: 48.286 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX010023.D

Acq: 01 Jun 2019 07:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 92623

Ion Ratio Lower Upper

107 100

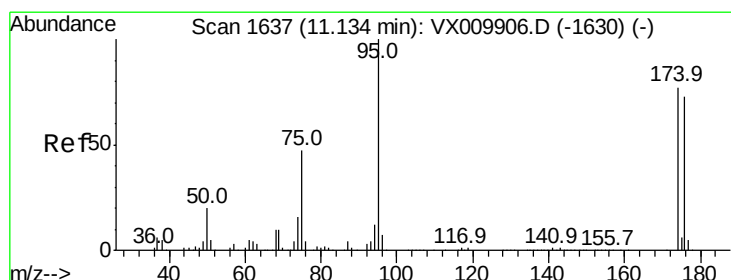
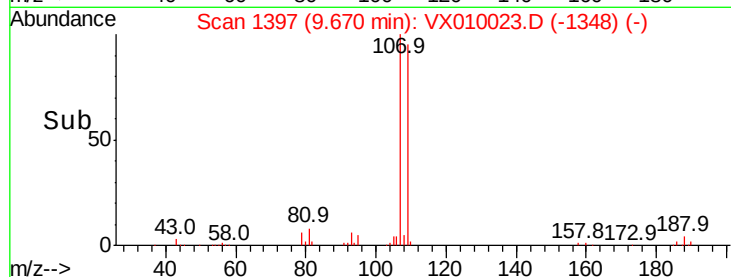
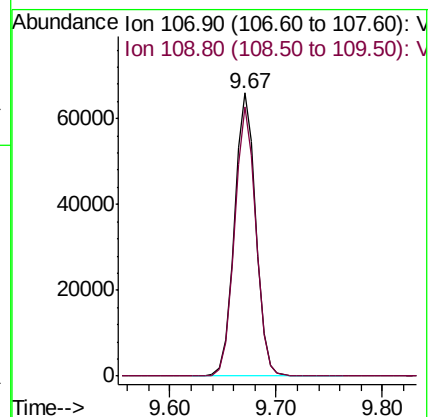
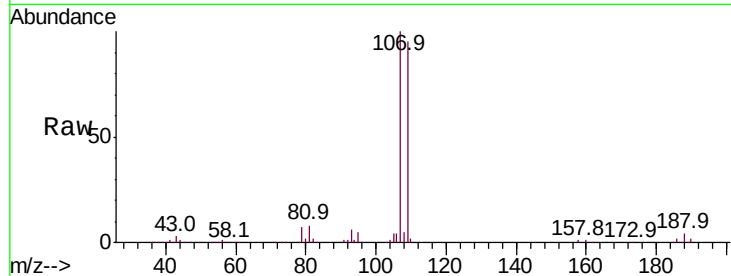
109 95.0 75.4 113.2

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#62

4-Bromofluorobenzene

Concen: 52.411 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010023.D

Acq: 01 Jun 2019 07:12

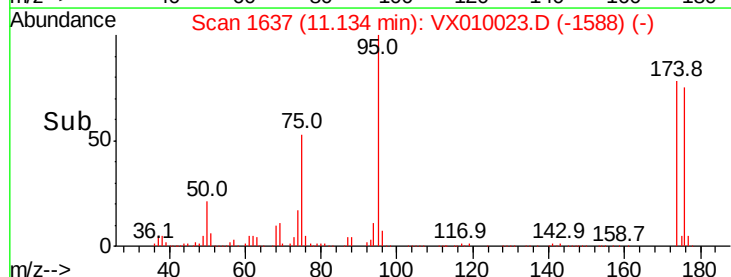
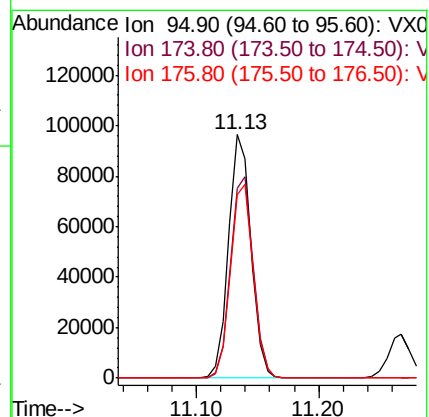
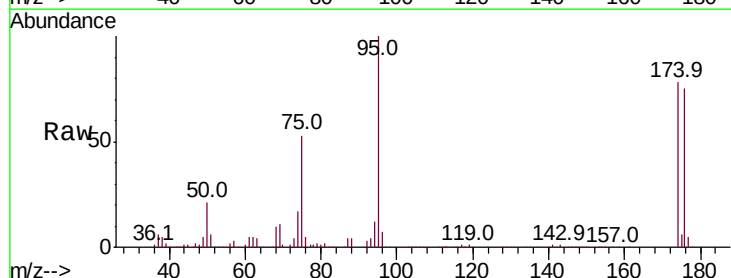
Tgt Ion: 95 Resp: 122005

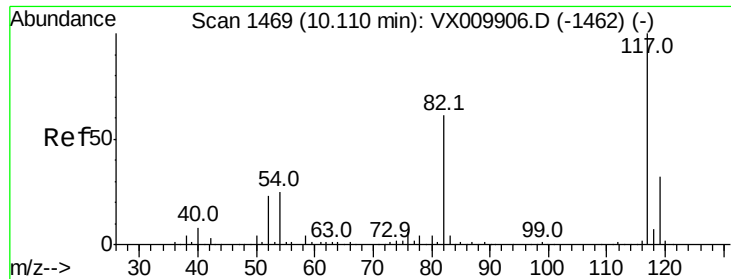
Ion Ratio Lower Upper

95 100

174 83.7 0.0 160.4

176 80.5 0.0 154.6





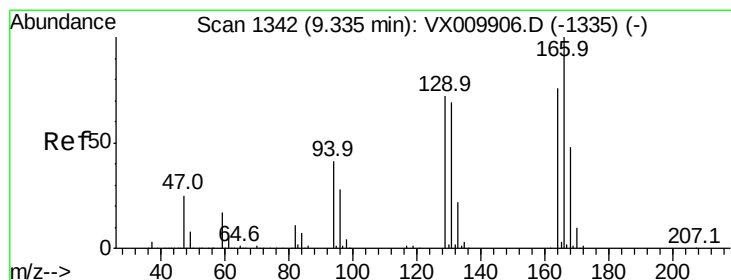
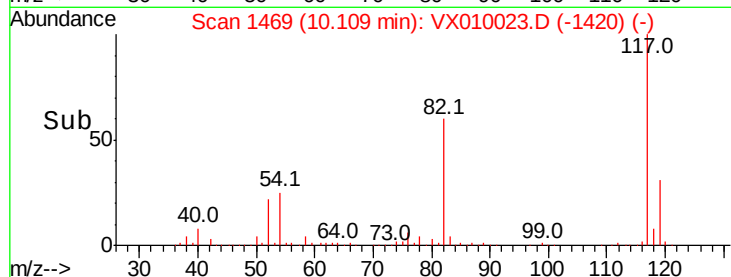
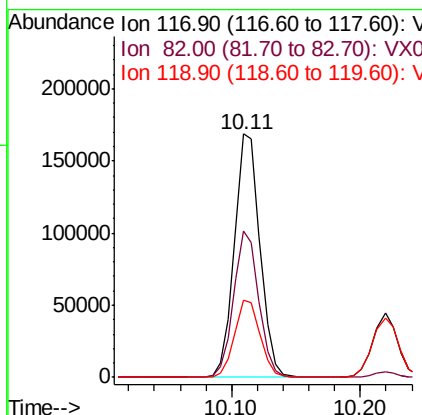
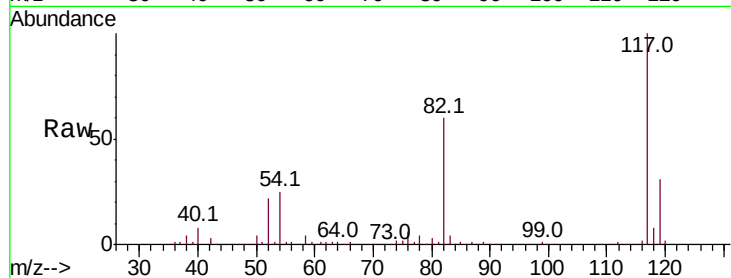
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010023.D
Acq: 01 Jun 2019 07:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.9	49.2	73.8
119	31.5	25.2	37.8

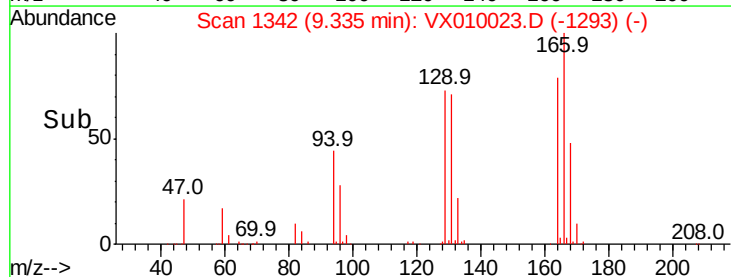
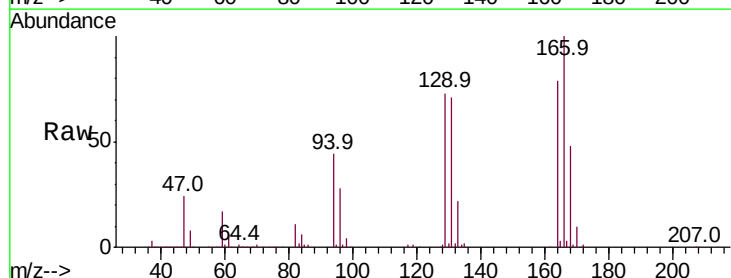
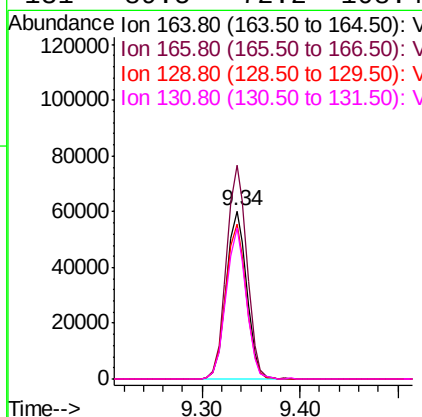
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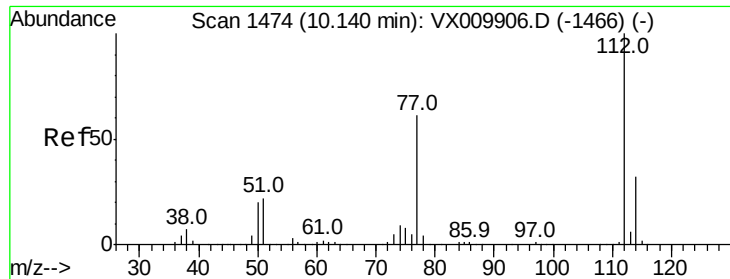
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6/3/2019 9:34:41 AM



#64
Tetrachloroethene
Concen: 53.589 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010023.D
Acq: 01 Jun 2019 07:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	105.0	157.4
129	92.1	75.1	112.7
131	89.5	72.2	108.4





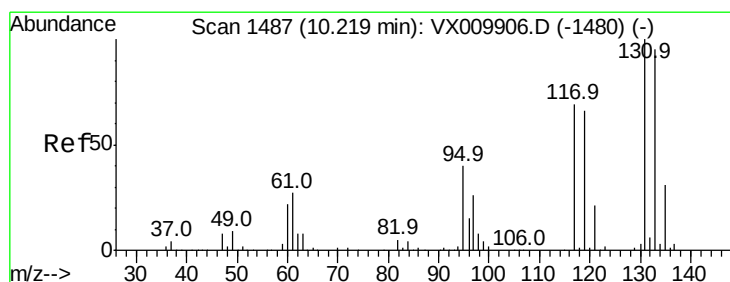
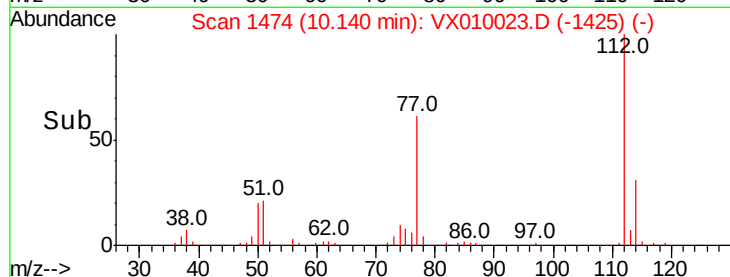
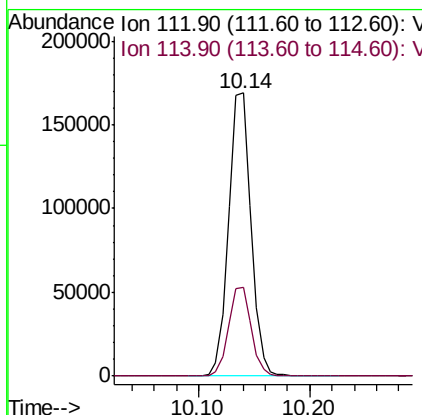
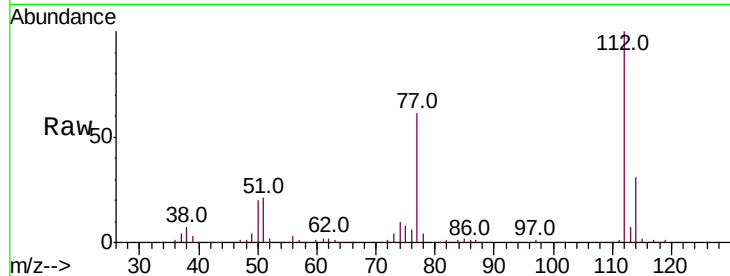
#65
Chlorobenzene
Concen: 48.107 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX010023.D
Acq: 01 Jun 2019 07:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 235667
Ion Ratio Lower Upper
112 100
114 31.5 25.8 38.8

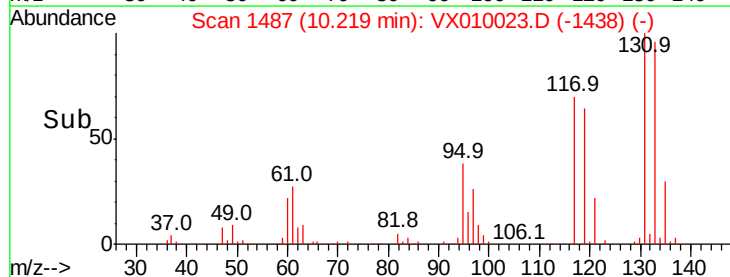
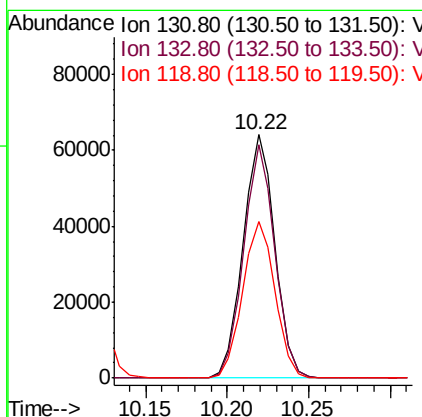
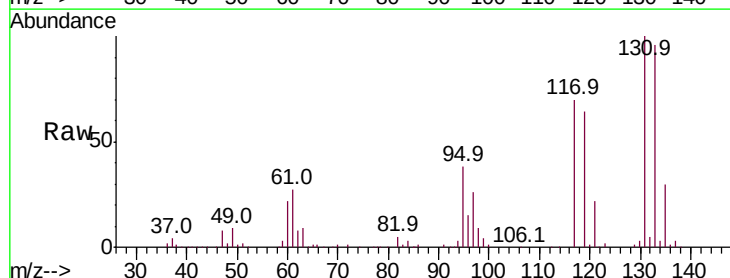
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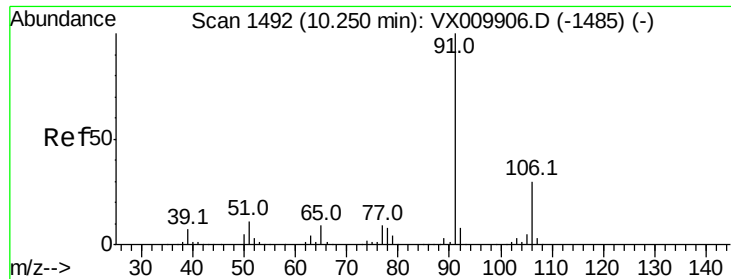
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.229 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX010023.D
Acq: 01 Jun 2019 07:12

Tgt Ion:131 Resp: 87044
Ion Ratio Lower Upper
131 100
133 93.9 47.5 142.6
119 65.8 33.4 100.1





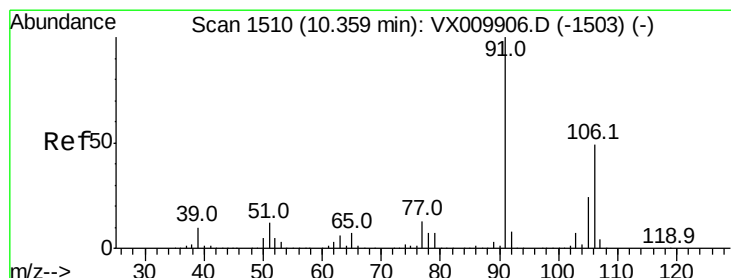
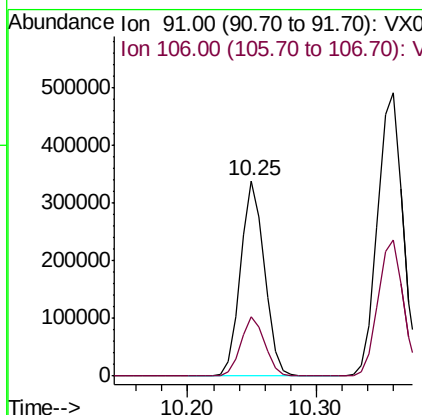
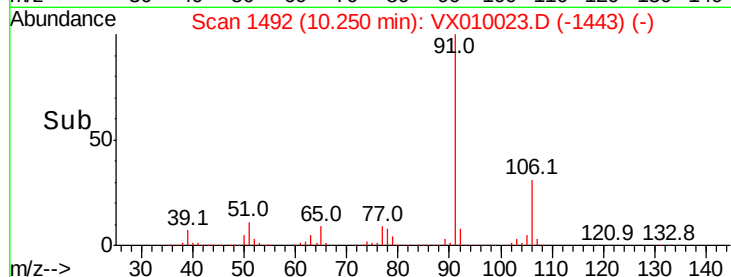
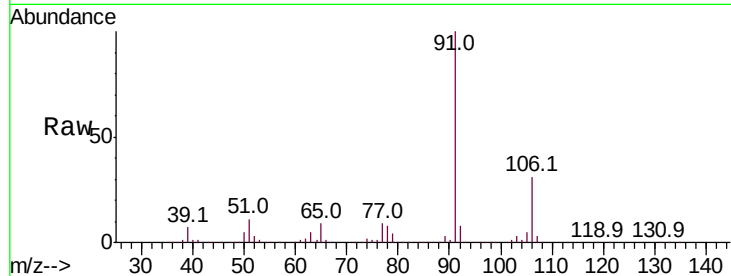
#67
Ethyl Benzene
Concen: 49.376 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010023.D
Acq: 01 Jun 2019 07:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 434311
Ion Ratio Lower Upper
91 100
106 30.5 23.9 35.9

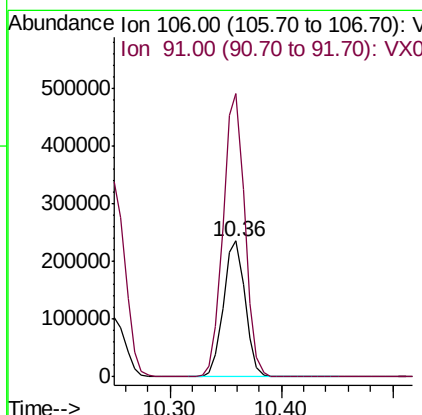
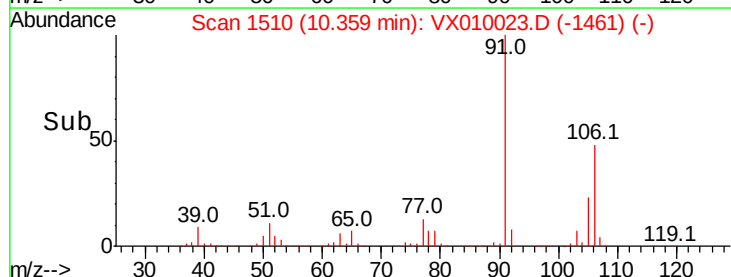
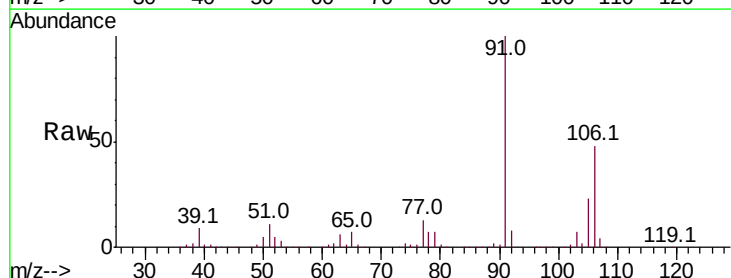
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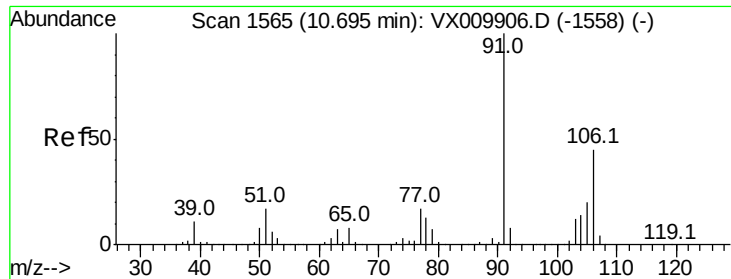
MMDadoda
6/3/2019 9:34:41 AM



#68
m/p-Xylenes
Concen: 97.992 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX010023.D
Acq: 01 Jun 2019 07:12

Tgt Ion: 106 Resp: 318428
Ion Ratio Lower Upper
106 100
91 208.2 167.3 250.9





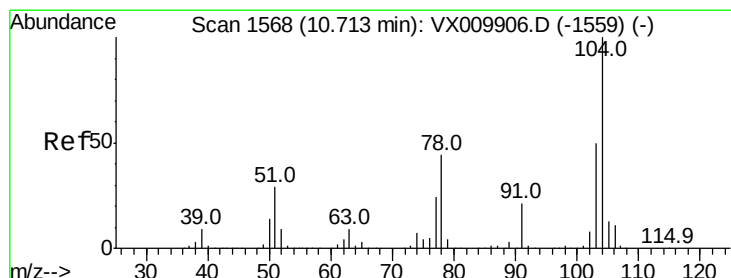
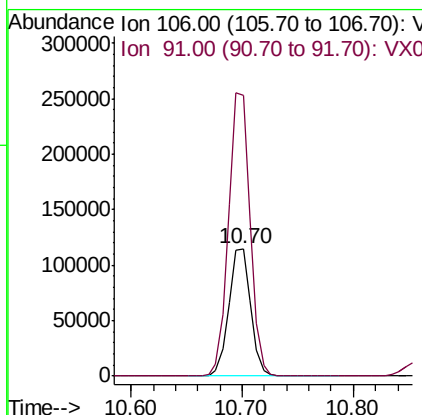
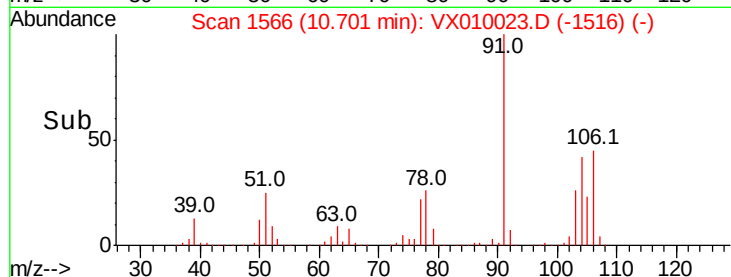
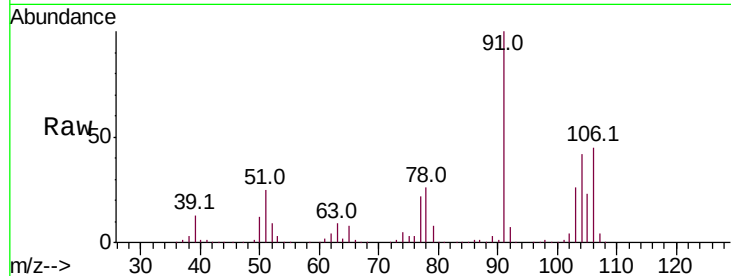
#69
o-Xylene
Concen: 49.784 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX010023.D
Acq: 01 Jun 2019 07:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 155148
Ion Ratio Lower Upper
106 100
91 220.6 110.4 331.2

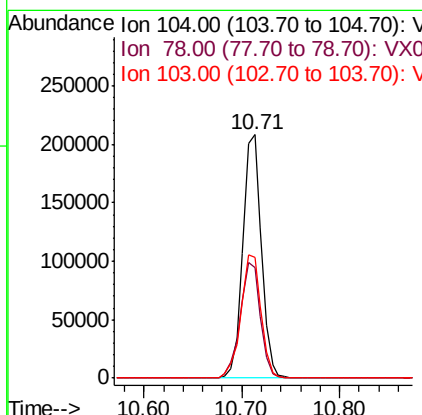
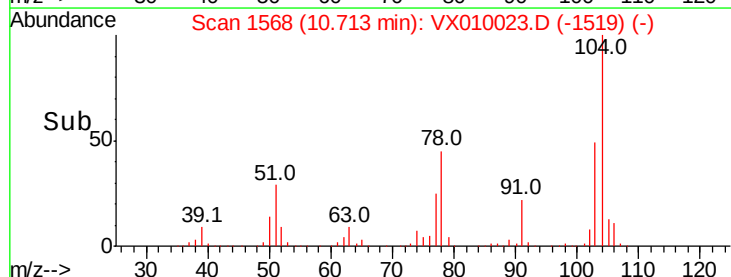
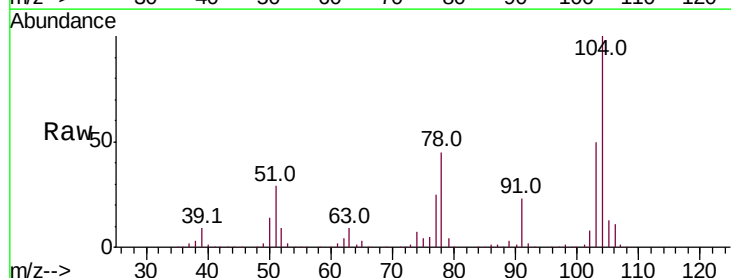
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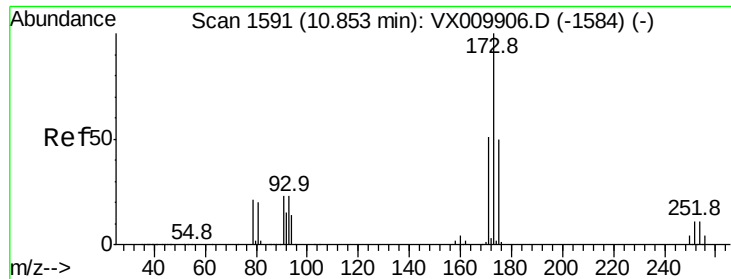
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#70
Styrene
Concen: 50.335 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX010023.D
Acq: 01 Jun 2019 07:12

Tgt Ion:104 Resp: 275066
Ion Ratio Lower Upper
104 100
78 51.7 42.1 63.1
103 54.6 44.1 66.1





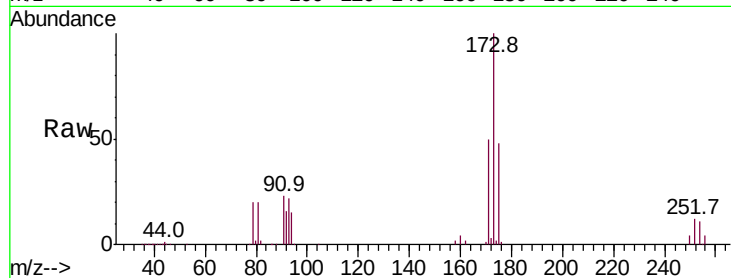
#71
Bromoform
Concen: 53.353 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX010023.D
Acq: 01 Jun 2019 07:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

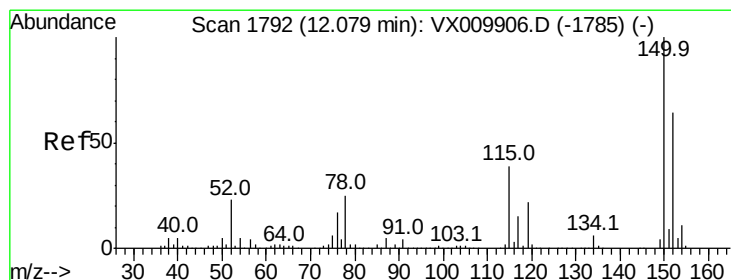
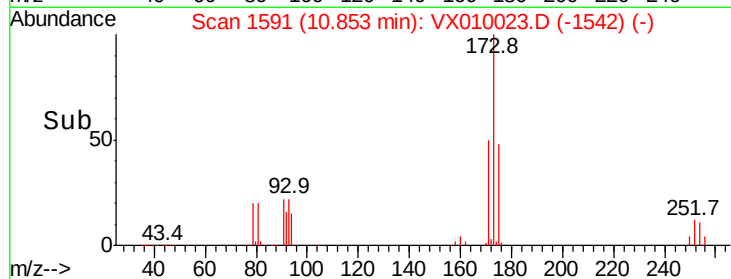
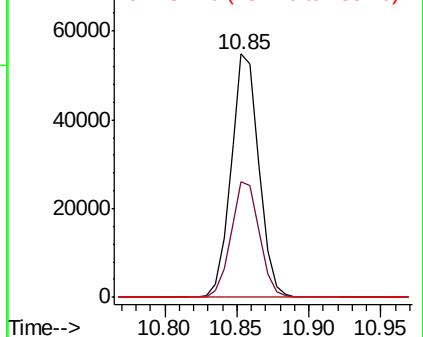
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	25.0	75.0
254	0.2	0.2	0.2

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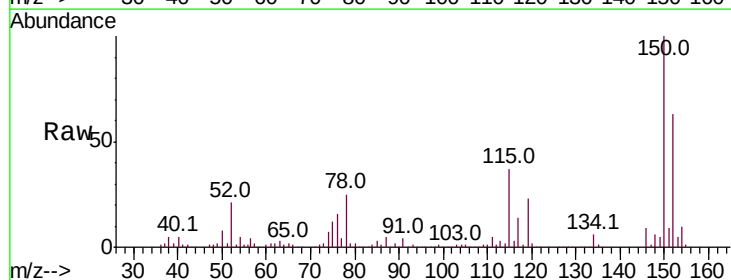


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

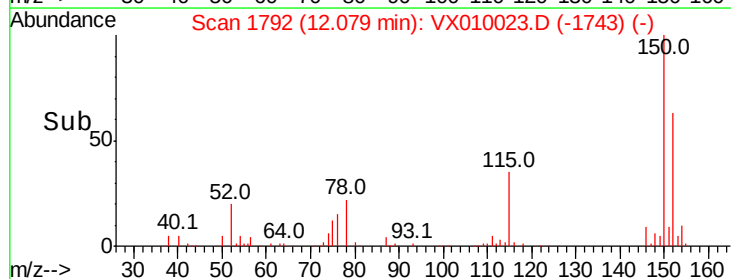
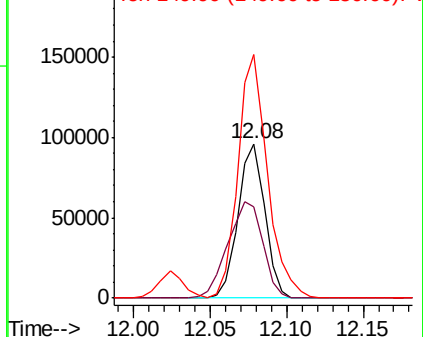


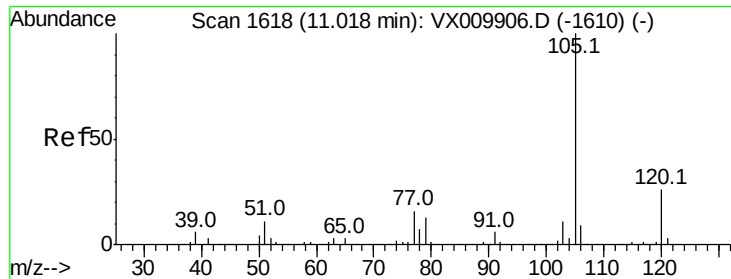
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010023.D
Acq: 01 Jun 2019 07:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	81.0	41.4	124.2
150	173.7	0.0	345.2



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





#73

Isopropylbenzene

Concen: 48.337 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010023.D

Acq: 01 Jun 2019 07:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 414232

Ion Ratio Lower Upper

105 100

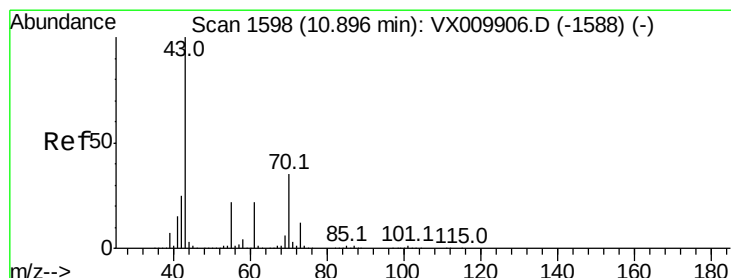
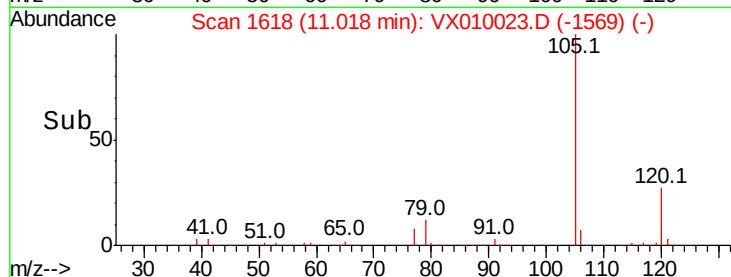
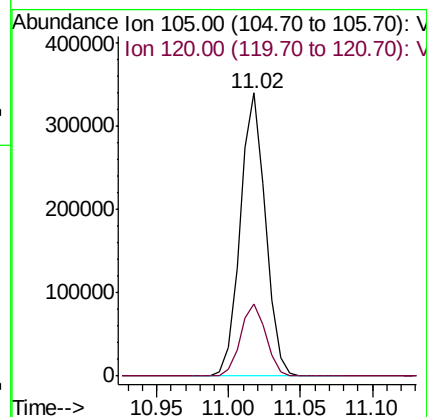
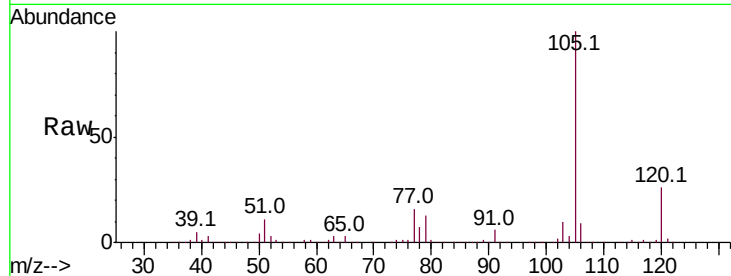
120 26.0 12.8 38.4

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#74

N-ethyl acetate

Concen: 48.862 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010023.D

Acq: 01 Jun 2019 07:12

Tgt Ion: 43 Resp: 250215

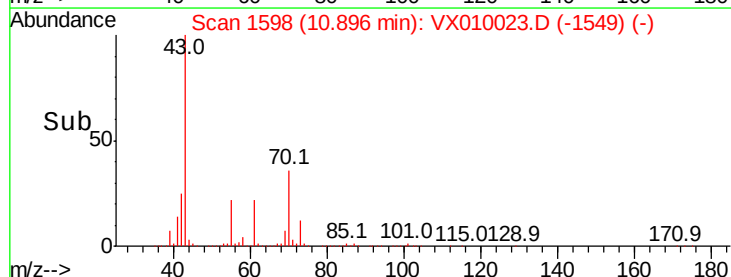
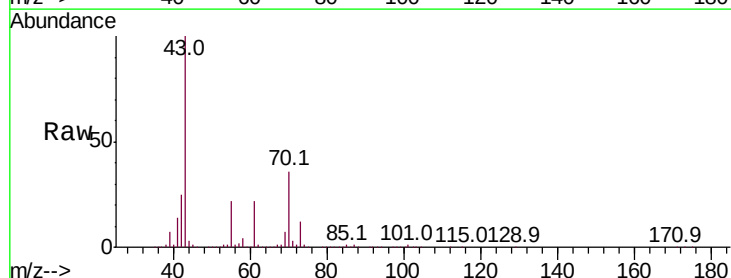
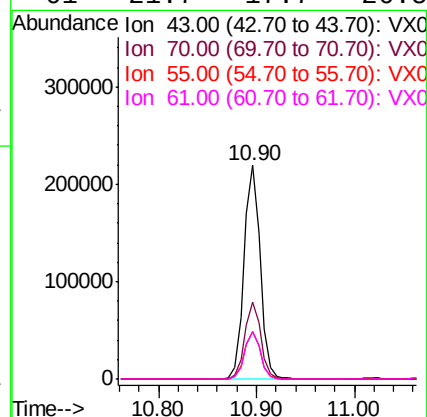
Ion Ratio Lower Upper

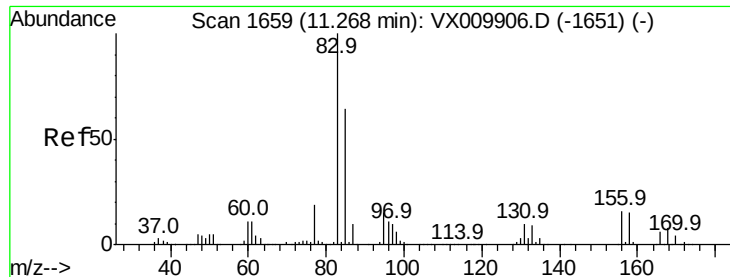
43 100

70 35.9 28.6 43.0

55 22.4 17.8 26.8

61 21.7 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 47.429 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX010023.D

Acq: 01 Jun 2019 07:12

Instrument :

MSVOA_X

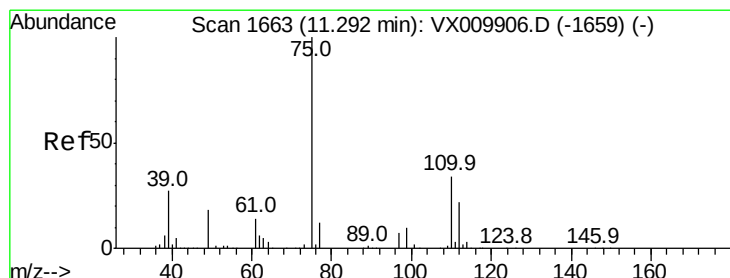
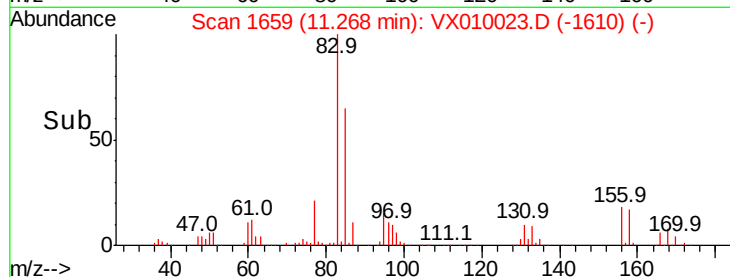
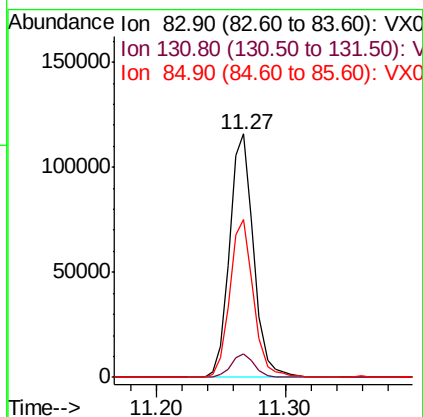
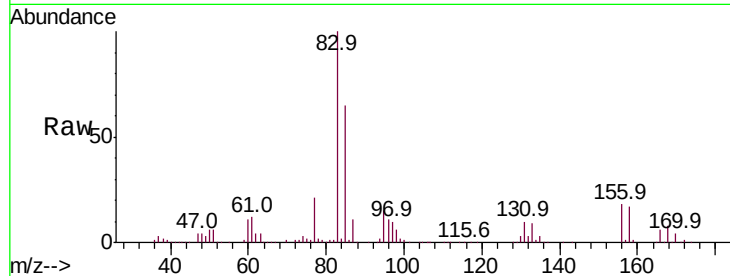
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	151637
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.7	14.1
85	64.0	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.218 ug/l m

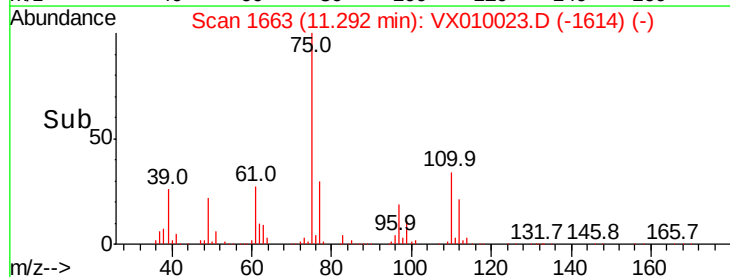
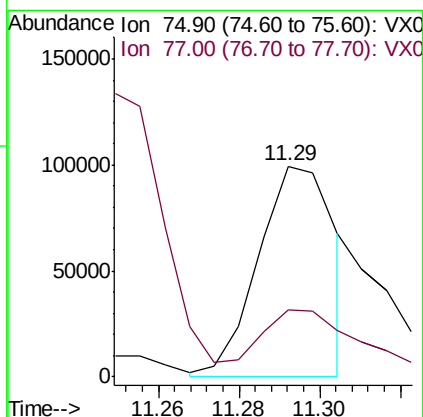
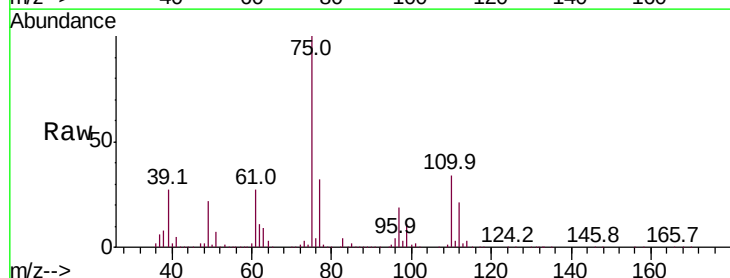
RT: 11.29 min Scan# 1663

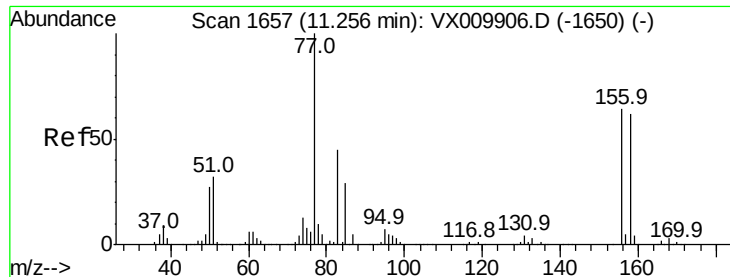
Delta R.T. -0.00 min

Lab File: VX010023.D

Acq: 01 Jun 2019 07:12

Tgt Ion:	75	Resp:	131146
Ion Ratio	Lower	Upper	
75	100		
77	42.4	22.1	66.1





#77

Bromobenzene

Concen: 48.583 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX010023.D

Acq: 01 Jun 2019 07:12

Instrument :

MSVOA_X

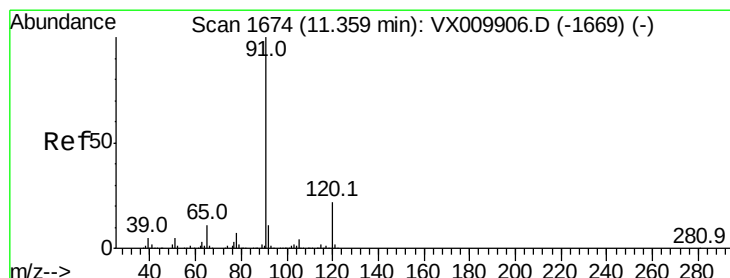
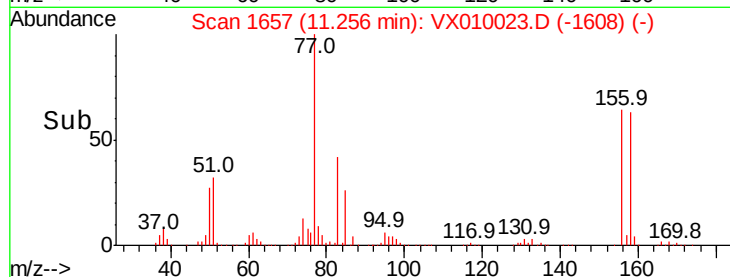
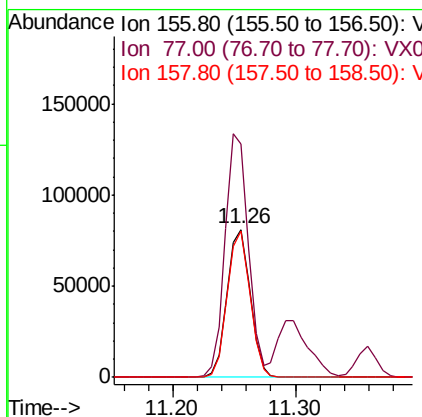
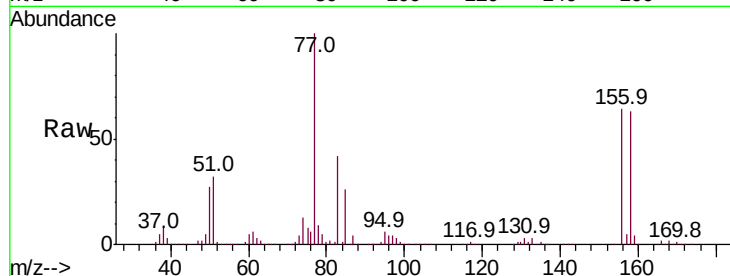
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	164.8	86.8	260.3
158	97.3	49.6	148.8

Manual Integrations
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#78

n-propylbenzene

Concen: 48.889 ug/l

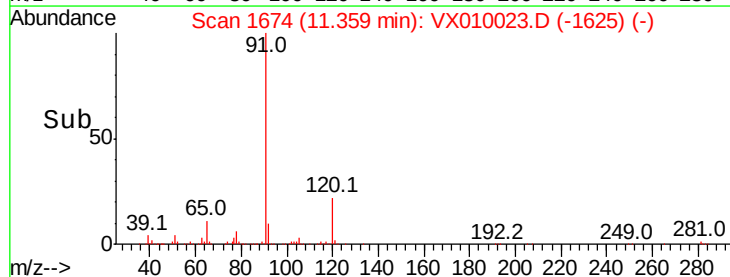
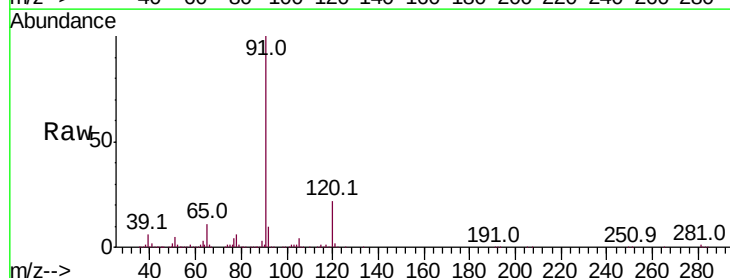
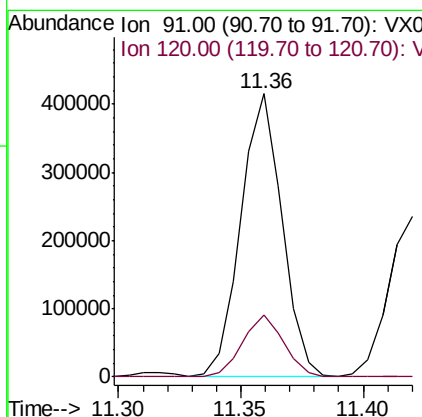
RT: 11.36 min Scan# 1674

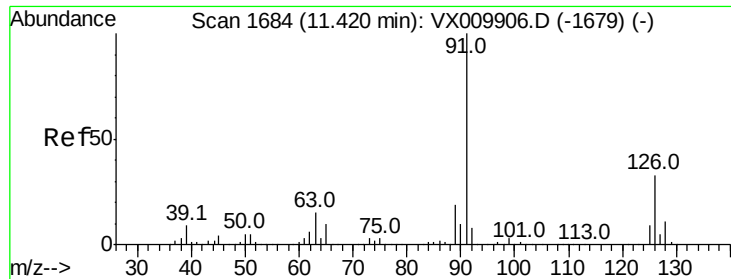
Delta R.T. -0.00 min

Lab File: VX010023.D

Acq: 01 Jun 2019 07:12

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.3





#79

2-Chlorotoluene

Concen: 47.569 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010023.D

Acq: 01 Jun 2019 07:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 287086

Ion Ratio Lower Upper

91 100

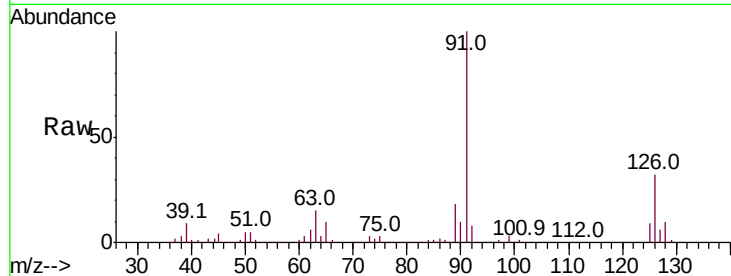
126 32.5 16.1 48.3

Manual Integrations

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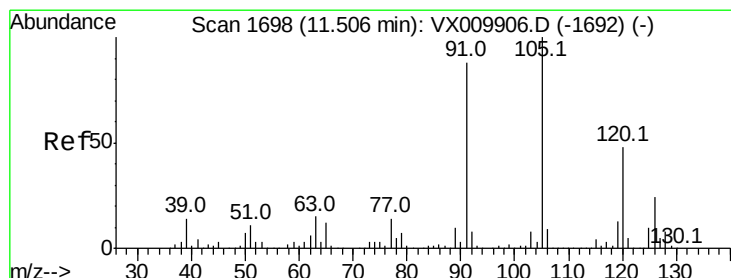
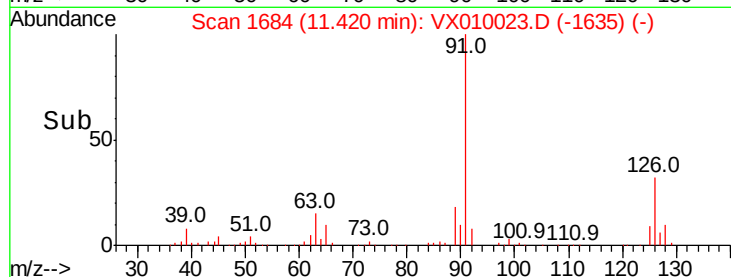
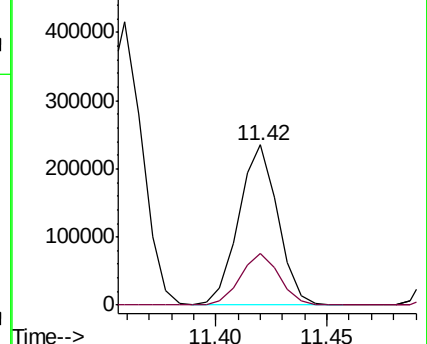
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 49.019 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010023.D

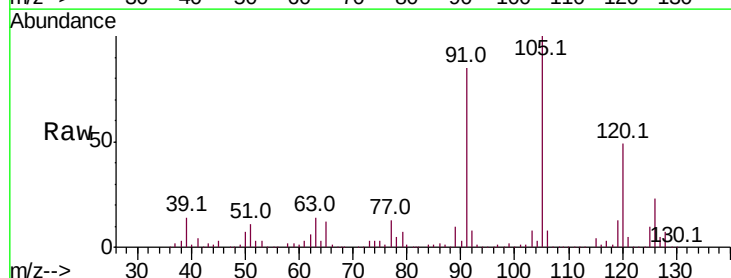
Acq: 01 Jun 2019 07:12

Tgt Ion:105 Resp: 353900

Ion Ratio Lower Upper

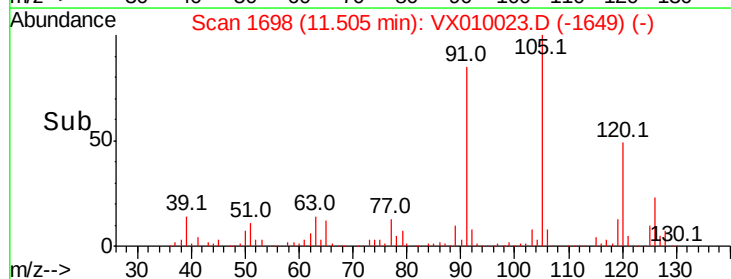
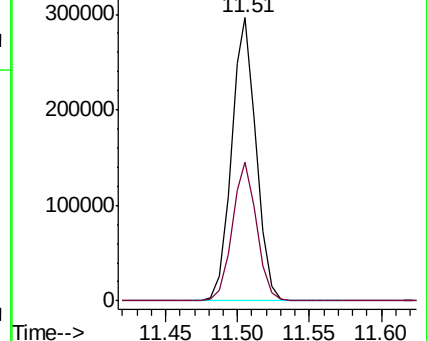
105 100

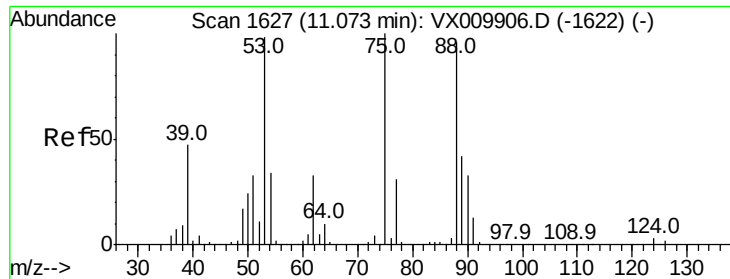
120 48.4 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 40.661 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX010023.D

Acq: 01 Jun 2019 07:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 45646

Ion Ratio Lower Upper

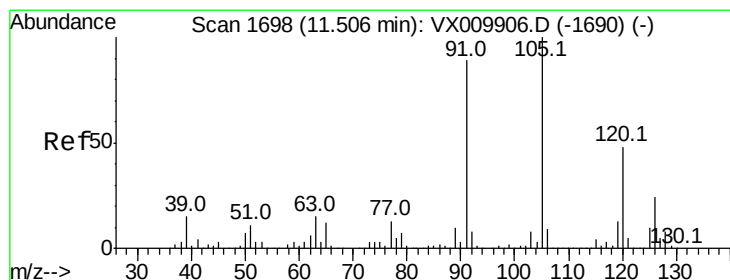
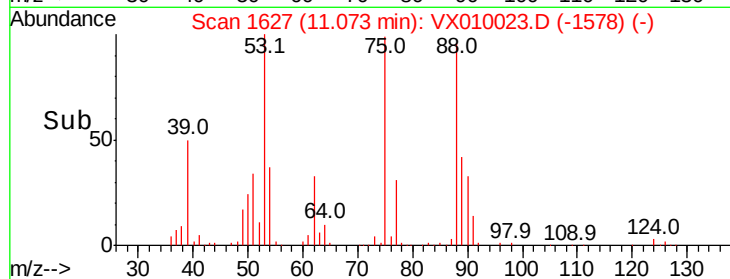
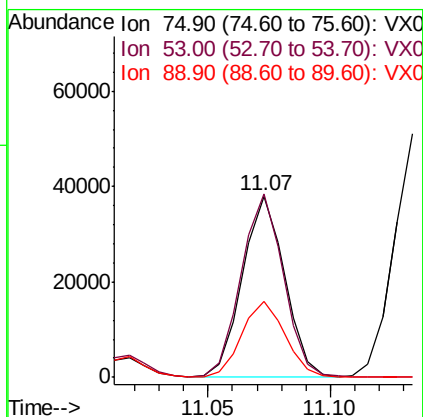
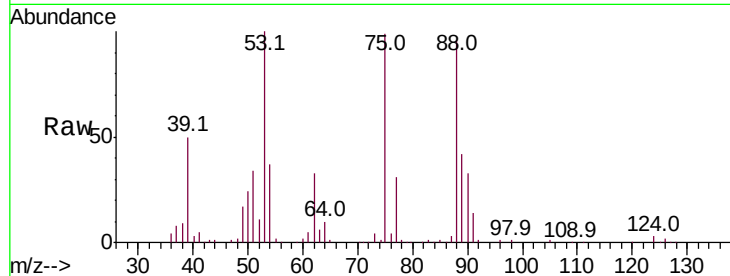
75 100

53 101.2 79.8 119.6

89 43.4 34.2 51.4

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#82

4-Chlorotoluene

Concen: 47.325 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX010023.D

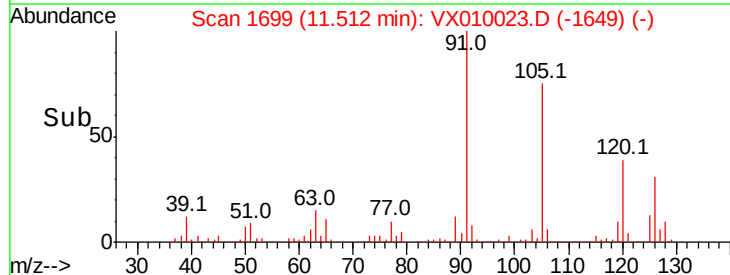
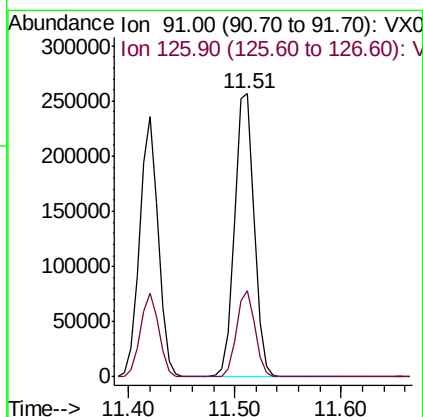
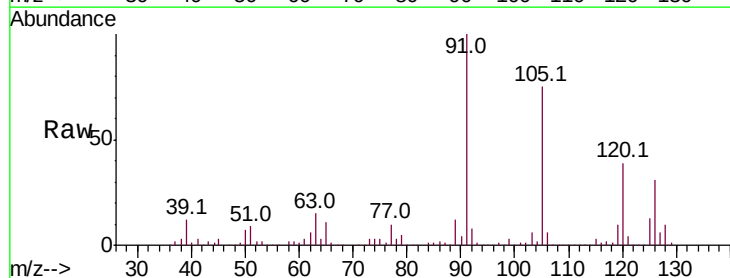
Acq: 01 Jun 2019 07:12

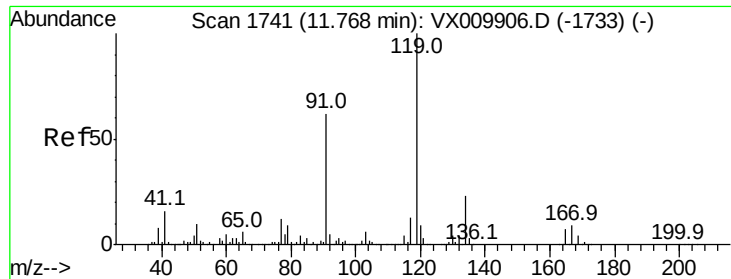
Tgt Ion: 91 Resp: 332487

Ion Ratio Lower Upper

91 100

126 29.1 14.2 42.6





#83

tert-Butylbenzene

Concen: 48.644 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX010023.D

Acq: 01 Jun 2019 07:12

Instrument :

MSVOA_X

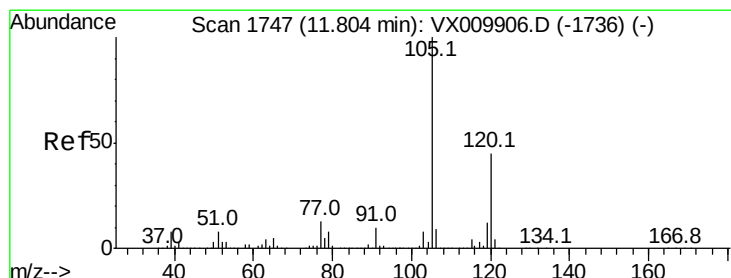
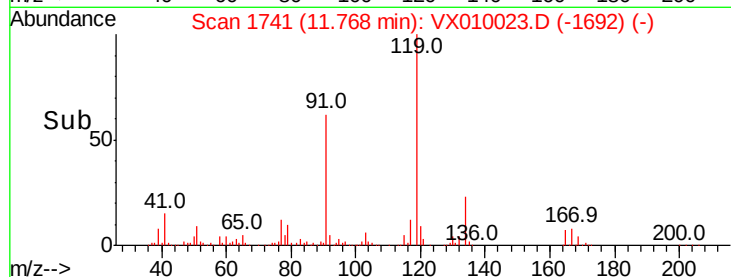
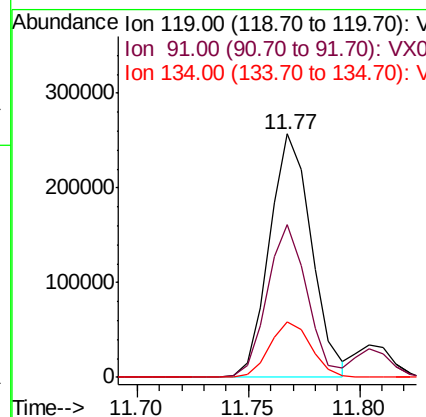
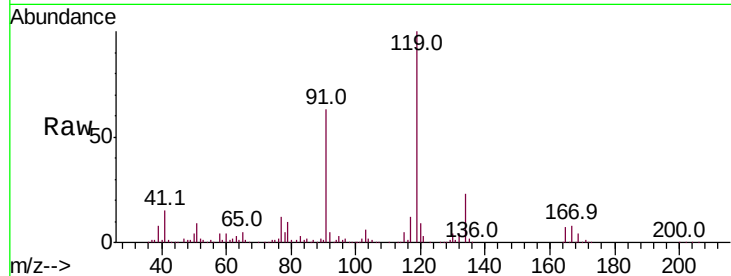
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	335989
Ion Ratio	Lower	Upper	
119	100		
91	59.9	30.0	90.0
134	22.6	11.2	33.5

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 48.496 ug/l

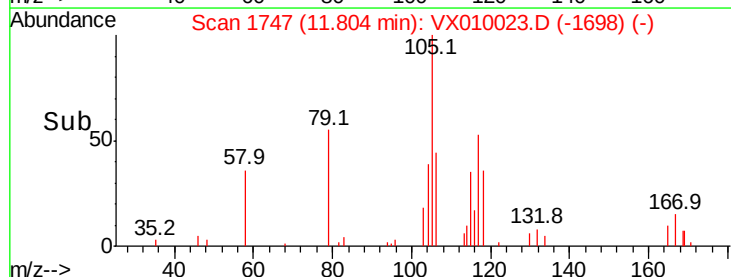
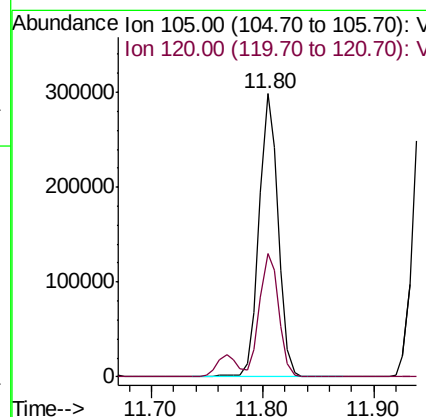
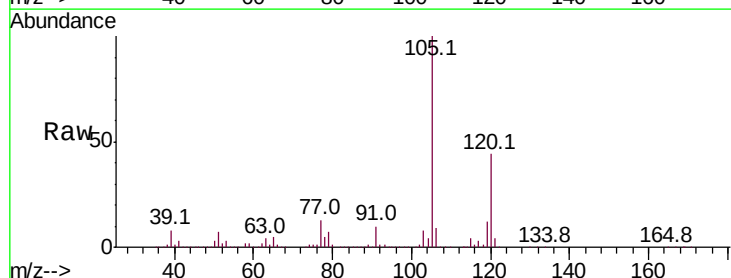
RT: 11.80 min Scan# 1747

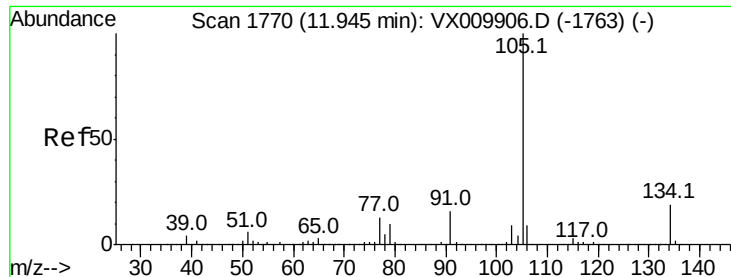
Delta R.T. -0.00 min

Lab File: VX010023.D

Acq: 01 Jun 2019 07:12

Tgt Ion:	105	Resp:	355572
Ion Ratio	Lower	Upper	
105	100		
120	43.9	22.1	66.1





#85

sec-Butylbenzene

Concen: 49.122 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010023.D

Acq: 01 Jun 2019 07:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 403650

Ion Ratio Lower Upper

105 100

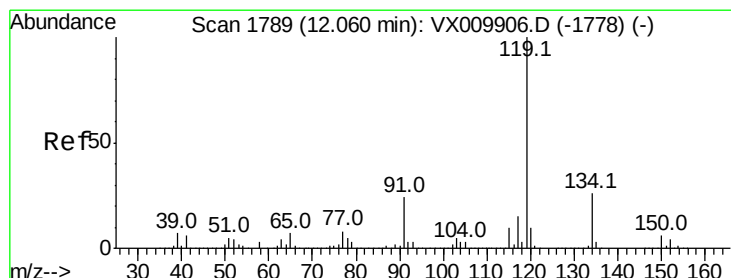
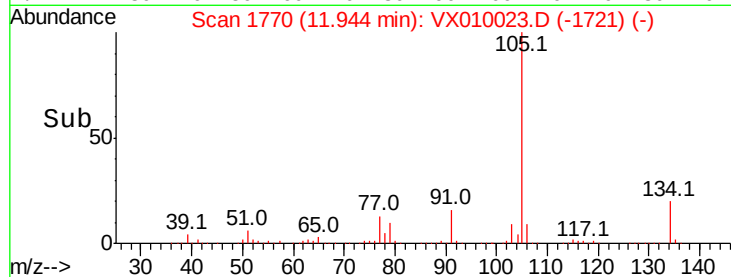
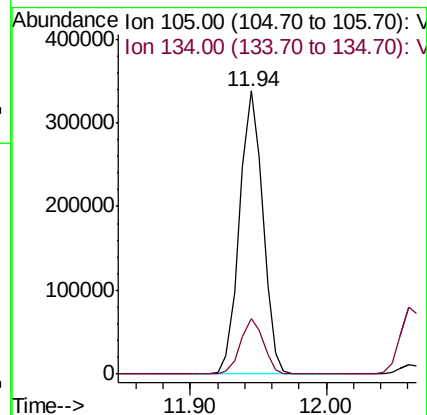
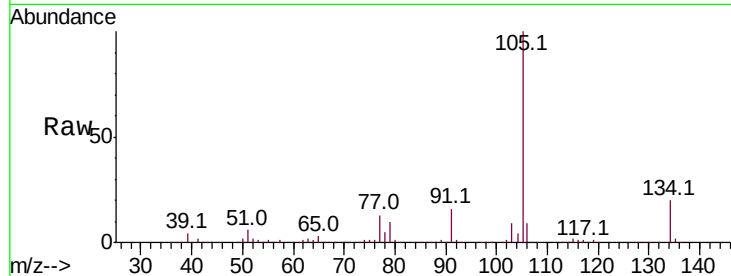
134 19.4 9.7 28.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 50.060 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010023.D

Acq: 01 Jun 2019 07:12

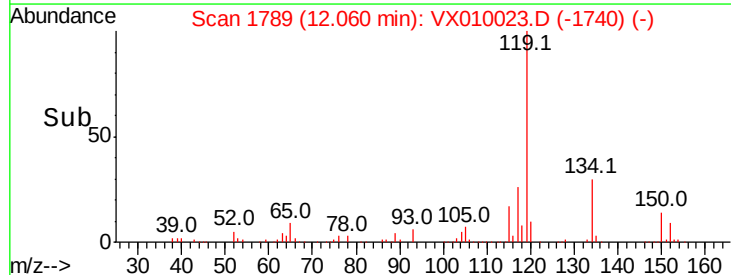
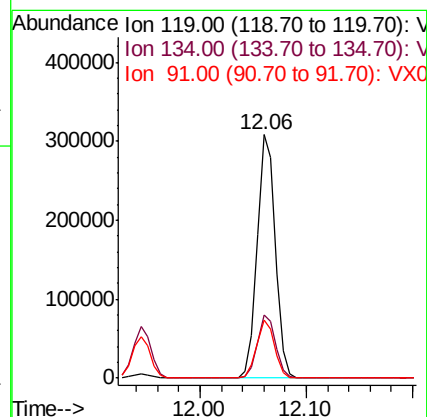
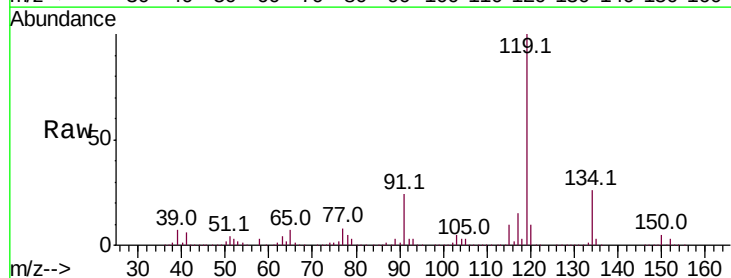
Tgt Ion:119 Resp: 369997

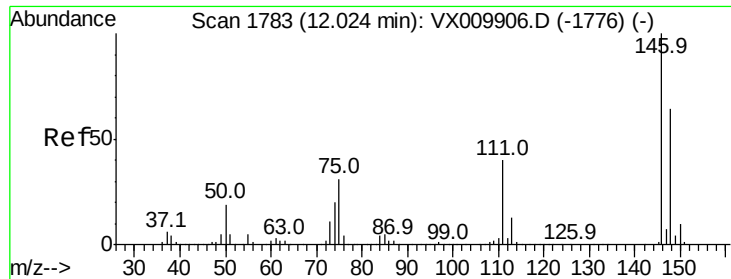
Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.6

91 23.6 11.9 35.9





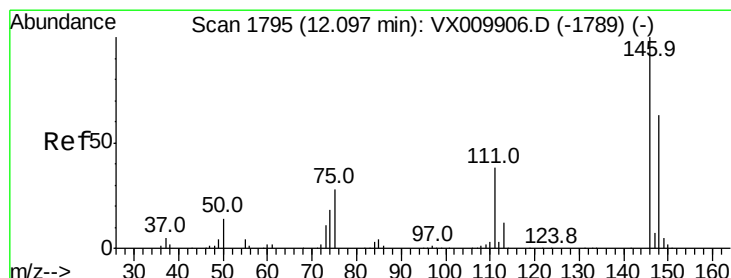
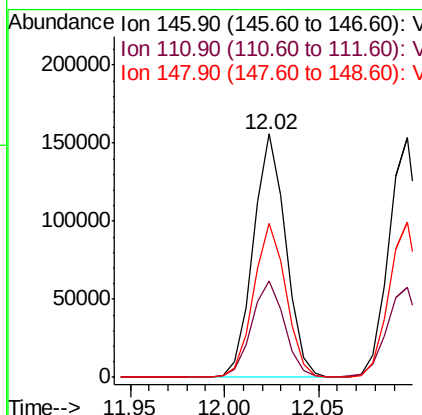
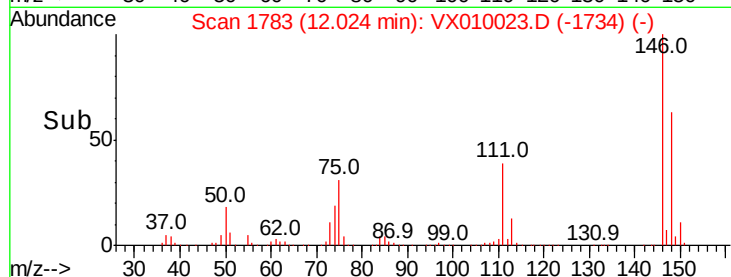
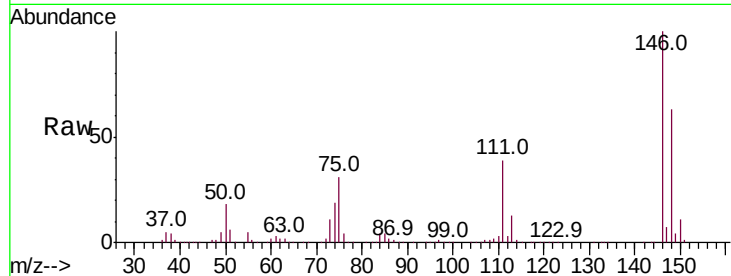
#87
 1,3-Dichlorobenzene
 Concen: 47.771 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX010023.D
 Acq: 01 Jun 2019 07:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.1	60.2
148	63.3	31.9	95.5

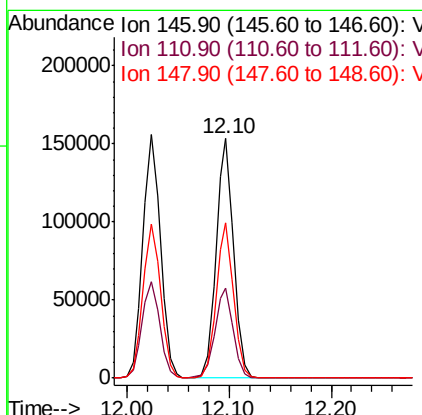
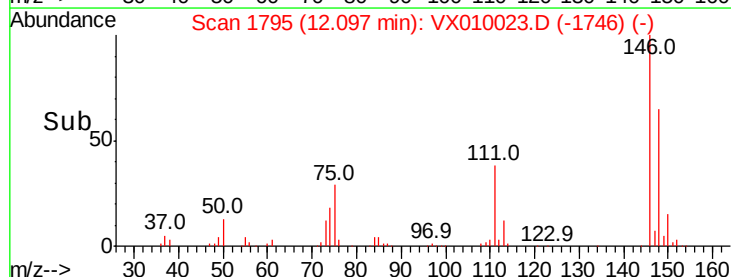
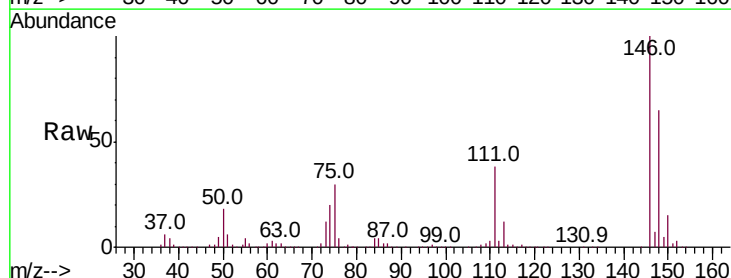
Manual Integrations
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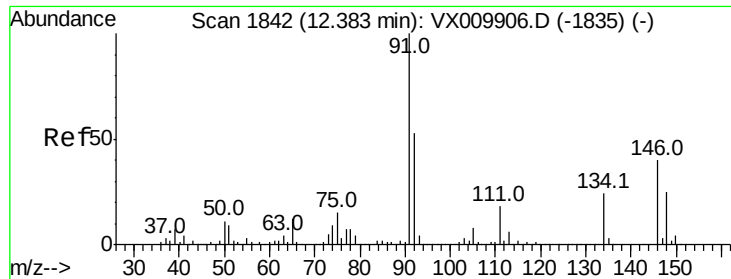
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#88
 1,4-Dichlorobenzene
 Concen: 46.541 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX010023.D
 Acq: 01 Jun 2019 07:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.0	59.9
148	64.3	32.3	96.9





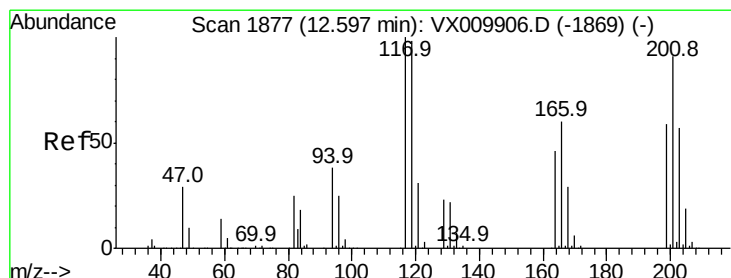
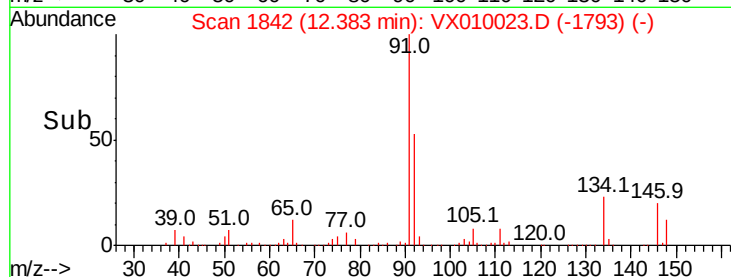
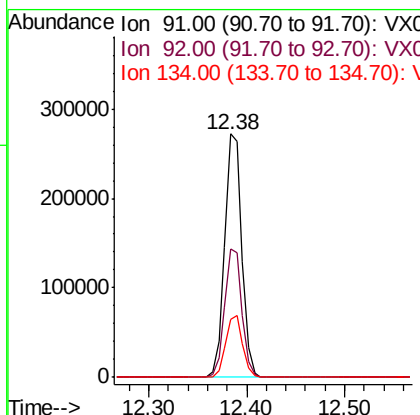
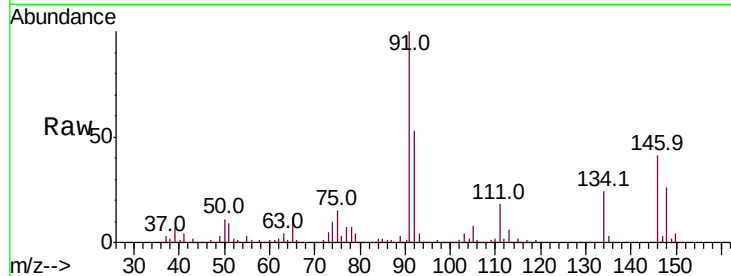
#89
n-Butylbenzene
Concen: 47.317 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010023.D
Acq: 01 Jun 2019 07:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.3	78.8
134	25.2	12.3	36.8

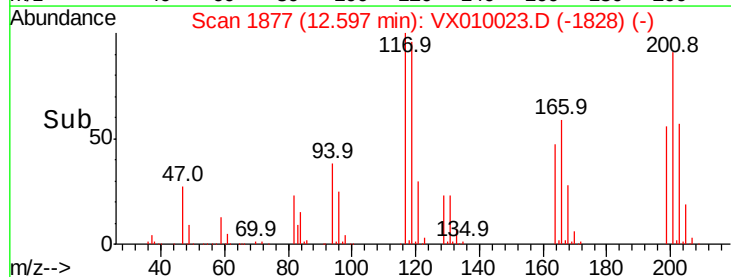
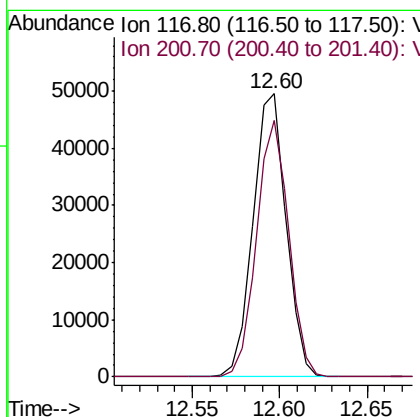
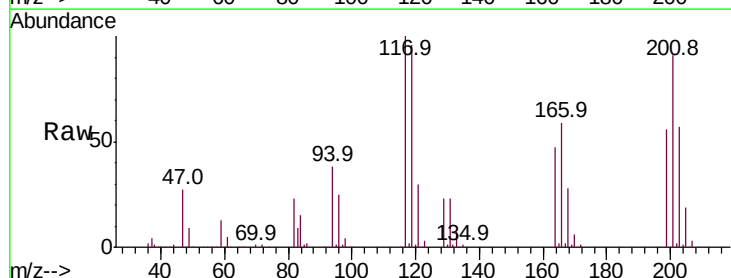
Manual Integrations
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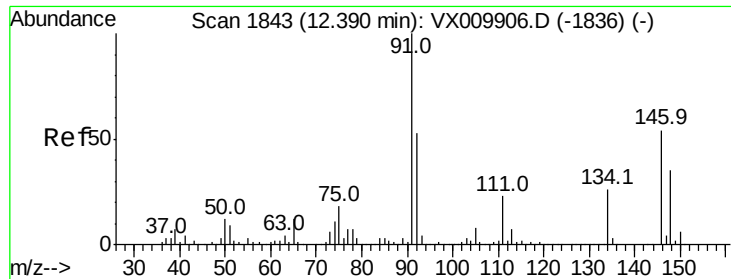
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#90
Hexachloroethane
Concen: 51.298 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX010023.D
Acq: 01 Jun 2019 07:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.9	43.6	130.9





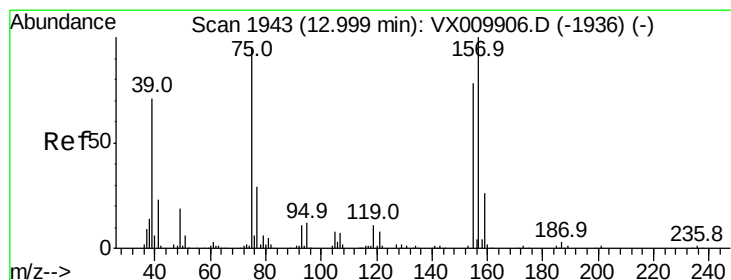
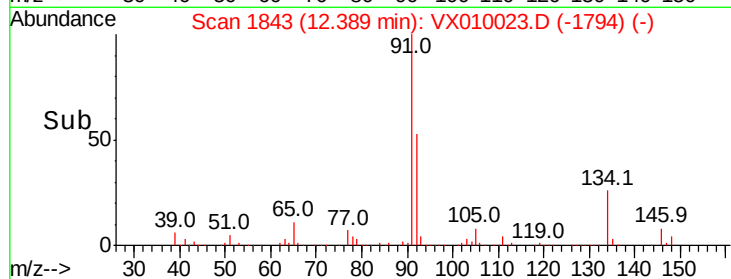
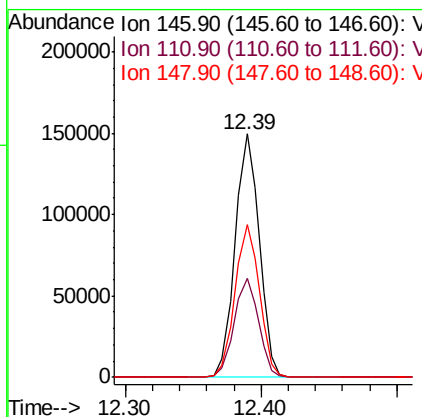
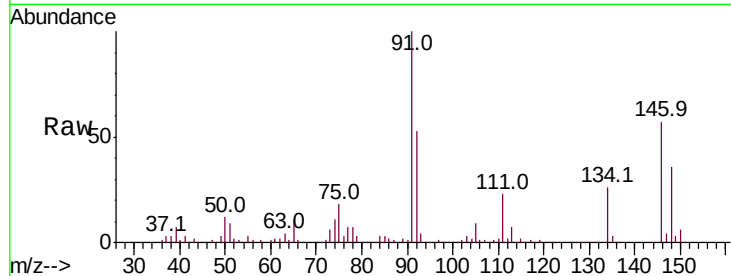
#91
 1,2-Dichlorobenzene
 Concen: 48.289 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX010023.D
 Acq: 01 Jun 2019 07:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	185112		
111	41.0	21.1	63.1	
148	63.3	32.3	96.8	

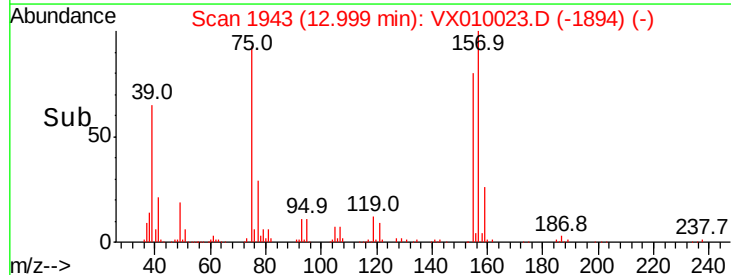
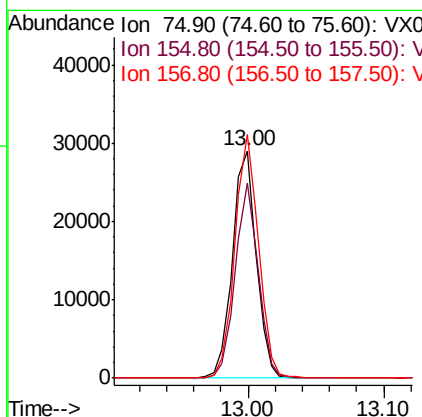
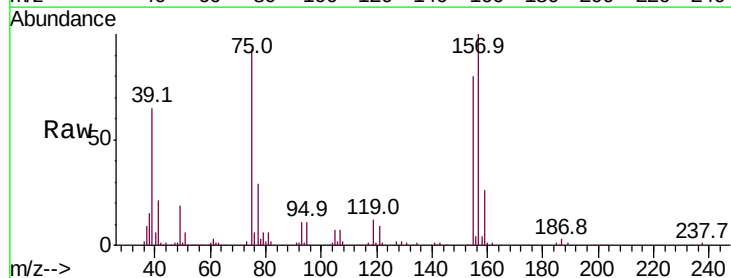
Manual Integrations
 APPROVED

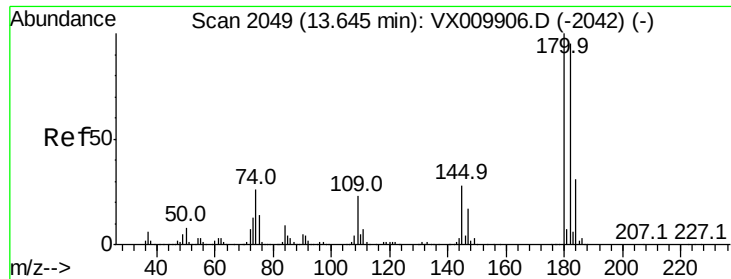
MMDadoda
 6/3/2019 9:34:41 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.982 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX010023.D
 Acq: 01 Jun 2019 07:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	35357		
155	82.8	39.3	117.8	
157	106.0	50.6	151.8	





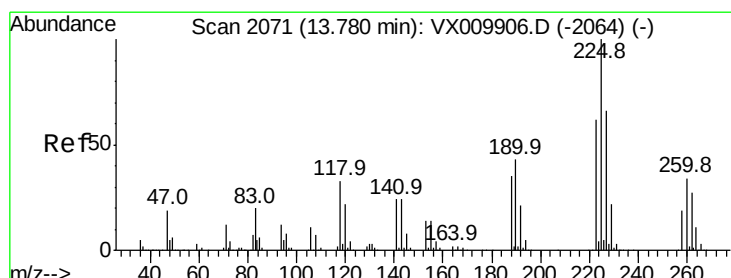
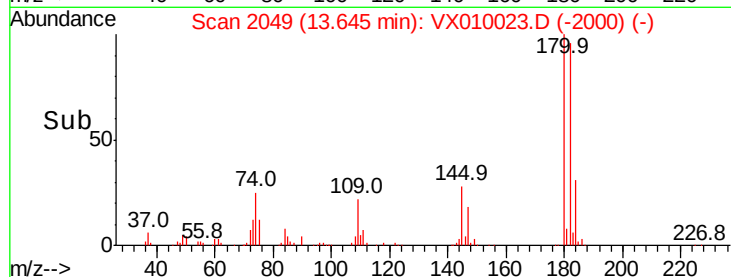
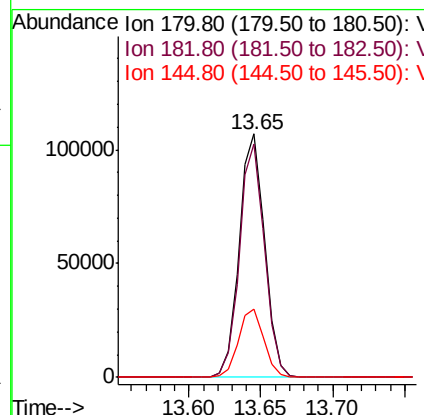
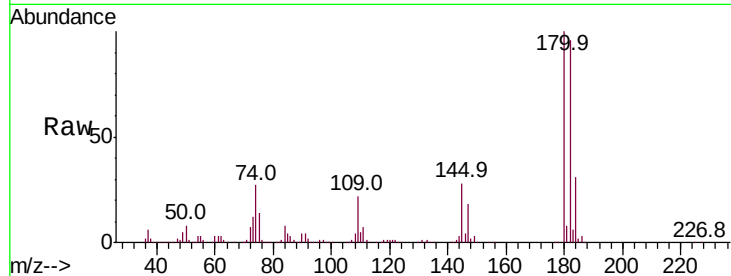
#93
 1,2,4-Trichlorobenzene
 Concen: 48.103 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX010023.D
 Acq: 01 Jun 2019 07:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.4	47.4	142.2	
145	28.3	14.5	43.5	

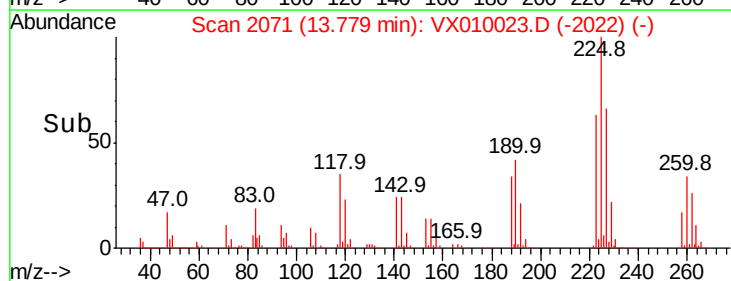
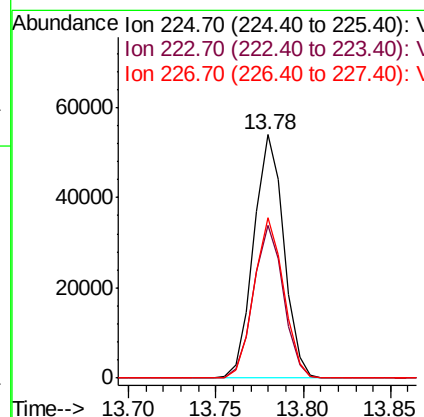
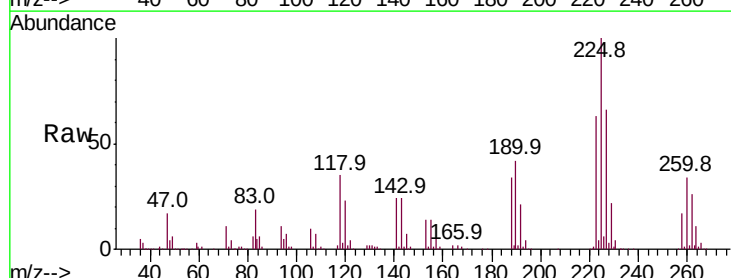
Manual Integrations
 APPROVED

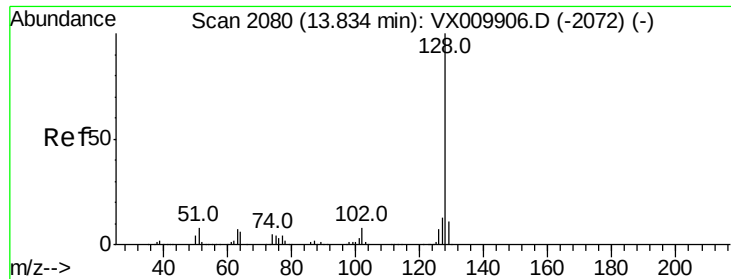
MMDadoda
 6/3/2019 9:34:41 AM



#94
 Hexachlorobutadiene
 Concen: 47.188 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX010023.D
 Acq: 01 Jun 2019 07:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.1	31.3	93.8	
227	64.6	32.3	96.8	





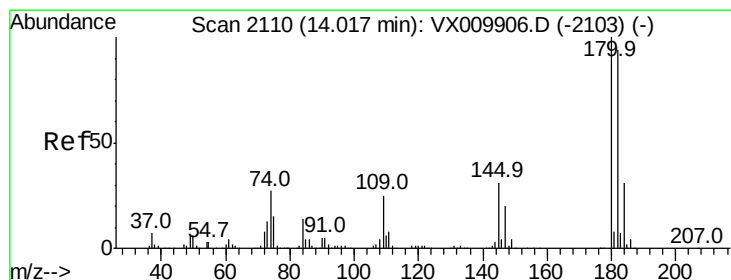
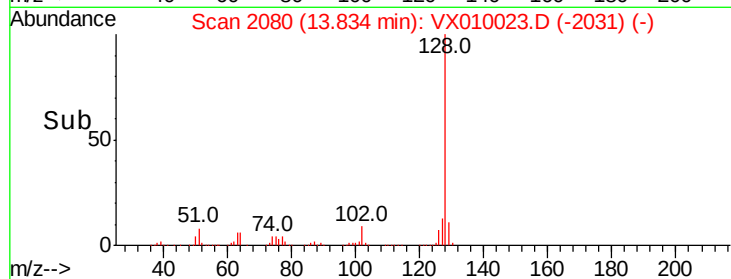
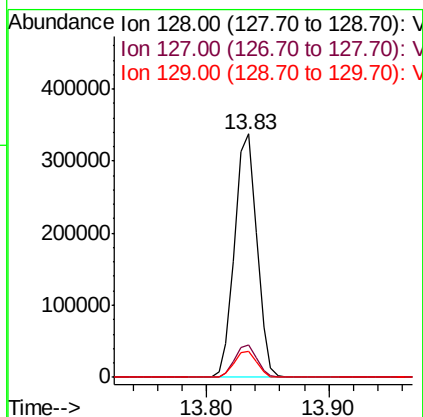
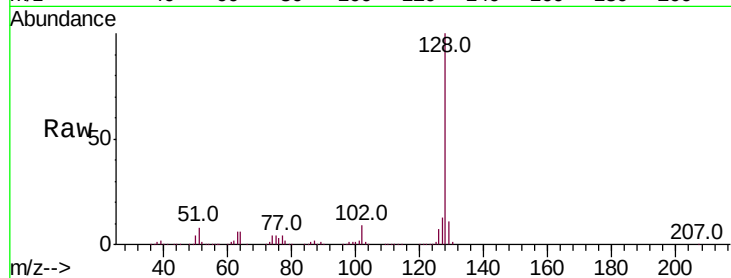
#95
Naphthalene
Concen: 49.684 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX010023.D
Acq: 01 Jun 2019 07:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/3/2019 9:34:41 AM



#96
1,2,3-Trichlorobenzene
Concen: 48.007 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX010023.D
Acq: 01 Jun 2019 07:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.3	142.0
145	30.9	15.6	46.7

