

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072319\
 Data File : VX011053.D
 Acq On : 23 Jul 2019 17:14
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/25/2019 3:07:05 PM

Quant Time: Jul 24 05:18:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 20 04:05:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	223312	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	322762	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	304564	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	168310	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	119354	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
35) Dibromofluoromethane	5.49	113	107774	52.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.22%	
50) Toluene-d8	8.71	98	393433	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
62) 4-Bromofluorobenzene	11.13	95	156095	55.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	125684	52.751	ug/l	99
3) Chloromethane	1.32	50	103956	50.622	ug/l	99
4) Vinyl Chloride	1.41	62	109945	52.489	ug/l	100
5) Bromomethane	1.64	94	58408	49.483	ug/l	100
6) Chloroethane	1.71	64	70401	52.889	ug/l	98
7) Trichlorofluoromethane	1.92	101	193094	54.459	ug/l	100
8) Diethyl Ether	2.18	74	65083	53.275	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	113485	56.056	ug/l	100
10) Methyl Iodide	2.51	142	148801	56.009	ug/l	99
11) Tert butyl alcohol	3.05	59	137220	248.013	ug/l	99
12) 1,1-Dichloroethene	2.37	96	105678	53.128	ug/l	97
13) Acrolein	2.29	56	66186	207.048	ug/l	98
14) Allyl chloride	2.73	41	156359	54.118	ug/l	99
15) Acrylonitrile	3.14	53	291490	260.724	ug/l	99
16) Acetone	2.44	43	311566	290.374	ug/l	98
17) Carbon Disulfide	2.57	76	251198	49.232	ug/l	100
18) Methyl Acetate	2.77	43	131889	53.982	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	354606	55.379	ug/l	99
20) Methylene Chloride	2.85	84	117729	51.775	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	111479	52.820	ug/l	98
22) Diisopropyl ether	3.85	45	334893	54.958	ug/l	91
23) Vinyl Acetate	3.81	43	1448087	280.470	ug/l	100
24) 1,1-Dichloroethane	3.70	63	190873	53.936	ug/l	99
25) 2-Butanone	4.67	43	426802	277.099	ug/l	99
26) 2,2-Dichloropropane	4.57	77	167192	57.539	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	129912	53.186	ug/l	99
28) Bromochloromethane	5.01	49	89345	53.576	ug/l	98
29) Tetrahydrofuran	5.12	42	253618	259.946	ug/l	100
30) Chloroform	5.20	83	208547	54.520	ug/l	98
31) Cyclohexane	5.57	56	168215	52.149	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	185627	56.092	ug/l	100
36) 1,1-Dichloropropene	5.79	75	149369	56.340	ug/l	100
37) Ethyl Acetate	4.82	43	152927	56.332	ug/l	100
38) Carbon Tetrachloride	5.78	117	164555	59.564	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	192692	56.046	ug/l	99
40) Benzene	6.13	78	449734	55.378	ug/l	99
41) Methacrylonitrile	5.04	41	84520	54.844	ug/l	97
42) 1,2-Dichloroethane	6.18	62	160873	56.972	ug/l	99
43) Isopropyl Acetate	6.44	43	253610	56.814	ug/l	100
44) Trichloroethene	7.21	130	133517	55.542	ug/l	89
45) 1,2-Dichloropropane	7.51	63	116011	56.125	ug/l	98
46) Dibromomethane	7.66	93	83830	56.757	ug/l	100
47) Bromodichloromethane	7.89	83	158947	60.455	ug/l	98
48) Methyl methacrylate	7.76	41	124085	57.062	ug/l	97
49) 1,4-Dioxane	7.73	88	64035	1052.724	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	829041	286.504	ug/l	100
52) Toluene	8.78	92	296812	55.635	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	174743	61.811	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	190088	60.427	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	125380	57.077	ug/l	98
56) Ethyl methacrylate	9.17	69	194278	60.462	ug/l	100
57) 1,3-Dichloropropane	9.37	76	197235	56.600	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	435853	284.154	ug/l	99
59) 2-Hexanone	9.49	43	671110	299.020	ug/l	99
60) Dibromochloromethane	9.58	129	140875	55.434	ug/l	99
61) 1,2-Dibromoethane	9.67	107	136150	58.402	ug/l	99
64) Tetrachloroethene	9.34	164	130107	54.303	ug/l	98
65) Chlorobenzene	10.13	112	344760	55.113	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	128626	58.506	ug/l	99
67) Ethyl Benzene	10.25	91	600123	56.362	ug/l	99
68) m/p-Xylenes	10.35	106	458862	112.347	ug/l	99
69) o-Xylene	10.69	106	225041	56.456	ug/l	100
70) Styrene	10.71	104	390884	58.825	ug/l	99
71) Bromoform	10.85	173	108174	53.833	ug/l #	99
73) Isopropylbenzene	11.02	105	616833	54.238	ug/l	100
74) N-amyl acetate	10.90	43	241057	55.474	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	197826	53.154	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	171064m	56.322	ug/l	
77) Bromobenzene	11.25	156	167485	53.390	ug/l	99
78) n-propylbenzene	11.36	91	707915	56.336	ug/l	99
79) 2-Chlorotoluene	11.42	91	414584	54.922	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	534134	56.207	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	62458	51.933	ug/l	99
82) 4-Chlorotoluene	11.51	91	494511	56.285	ug/l	99
83) tert-Butylbenzene	11.77	119	529289	56.703	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	539476	56.324	ug/l	99
85) sec-Butylbenzene	11.94	105	629810	57.583	ug/l	99
86) p-Isopropyltoluene	12.06	119	591555	58.503	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	304097	55.859	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	303118	54.290	ug/l	98
89) n-Butylbenzene	12.38	91	528278	61.067	ug/l	100
90) Hexachloroethane	12.59	117	93752	58.784	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	297222	55.088	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	43685	56.153	ug/l	98

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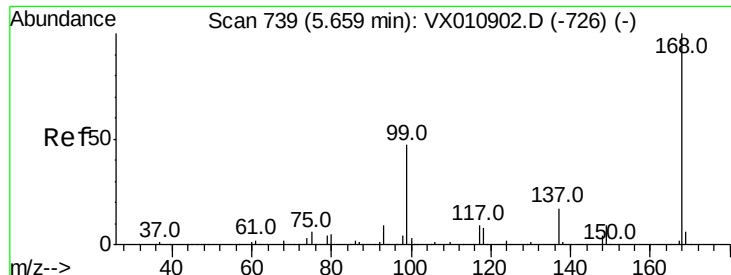
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	216509	59.212	ug/l	99
94) Hexachlorobutadiene	13.78	225	106151	58.583	ug/l	100
95) Naphthalene	13.83	128	625270	57.909	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	211202	58.051	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 223312

Ion Ratio Lower Upper

168 100

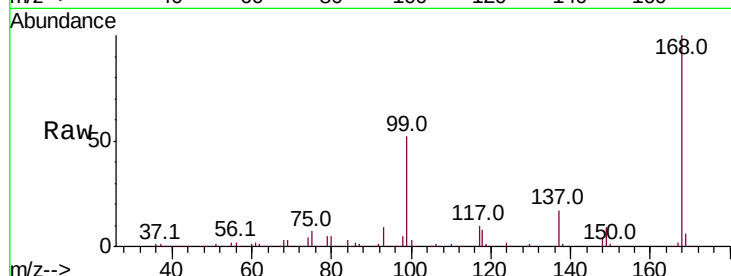
99 51.5 37.6 56.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VX010902.D (-726) (-)

Ion 98.90 (98.60 to 99.60): VX010902.D (-726) (-)

5.65

80000

60000

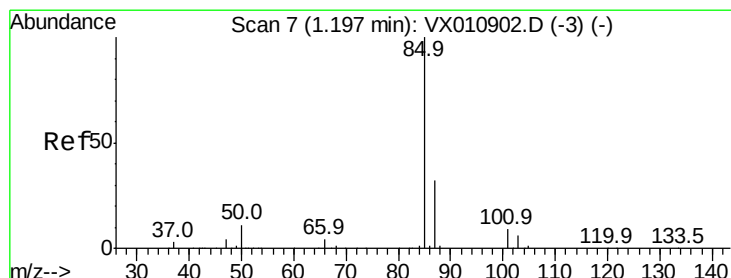
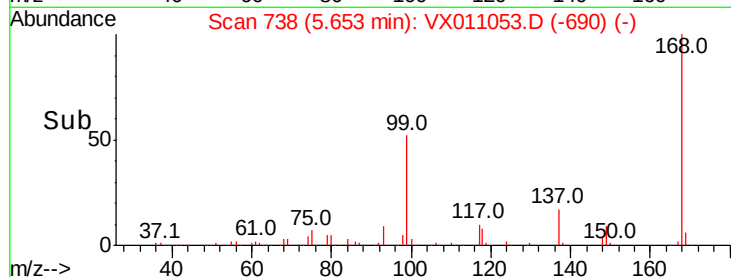
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 52.751 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX011053.D

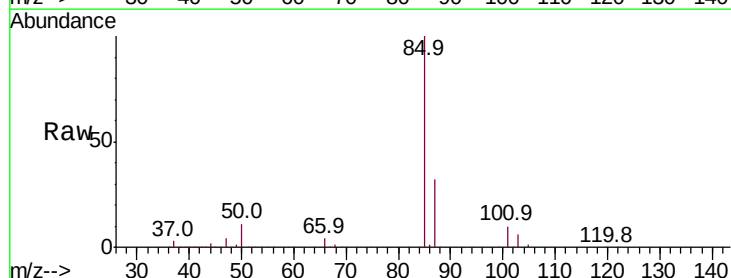
Acq: 23 Jul 2019 17:14

Tgt Ion: 85 Resp: 125684

Ion Ratio Lower Upper

85 100

87 32.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VX010902.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VX010902.D (-3) (-)

1.20

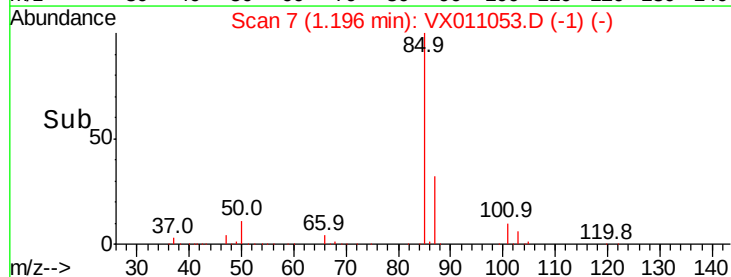
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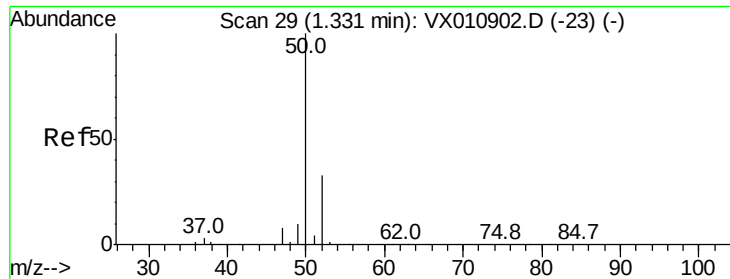
50000

0

1.20 1.30

Time-->





#3

Chloromethane

Concen: 50.622 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 103956

Ion Ratio Lower Upper

50 100

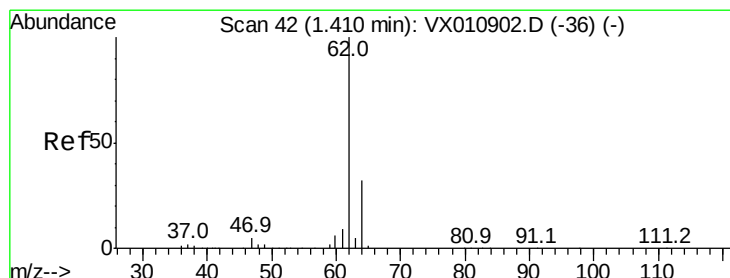
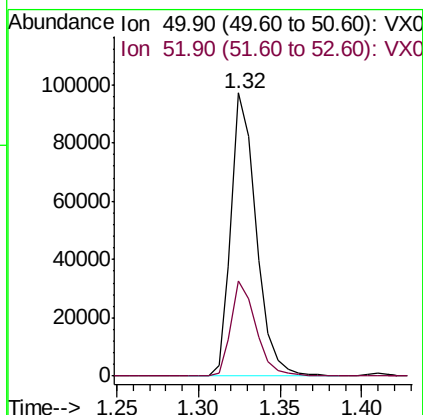
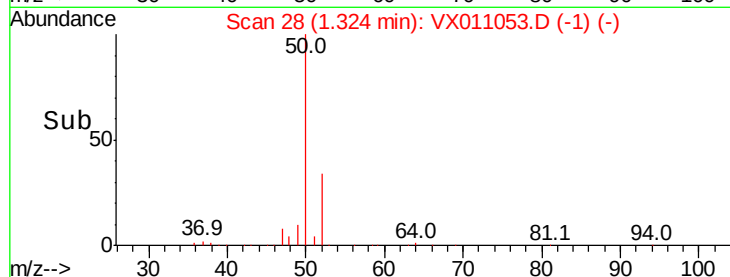
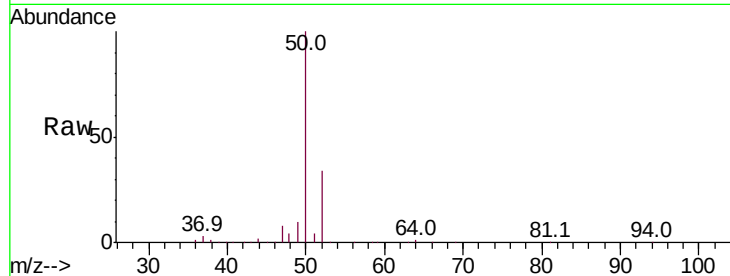
52 33.6 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 52.489 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX011053.D

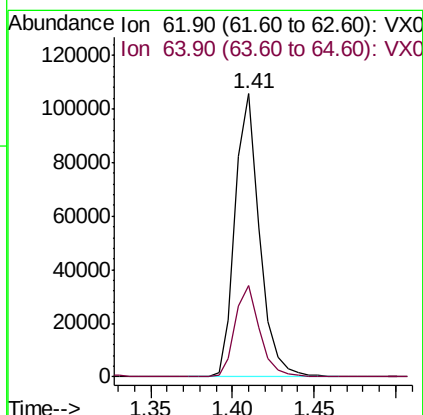
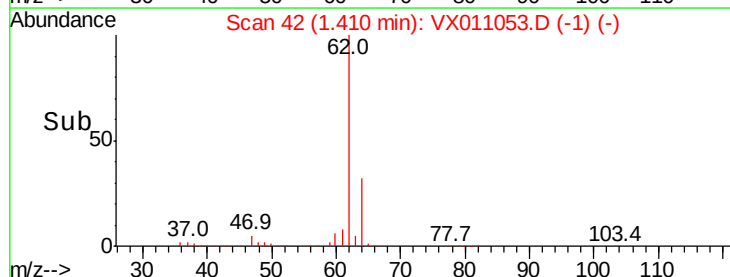
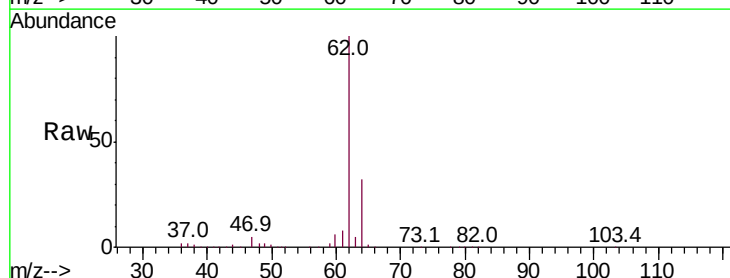
Acq: 23 Jul 2019 17:14

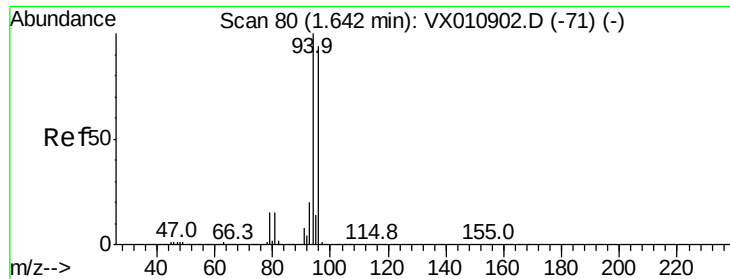
Tgt Ion: 62 Resp: 109945

Ion Ratio Lower Upper

62 100

64 32.0 25.7 38.5





#5

Bromomethane

Concen: 49.483 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 58408

Ion Ratio Lower Upper

94 100

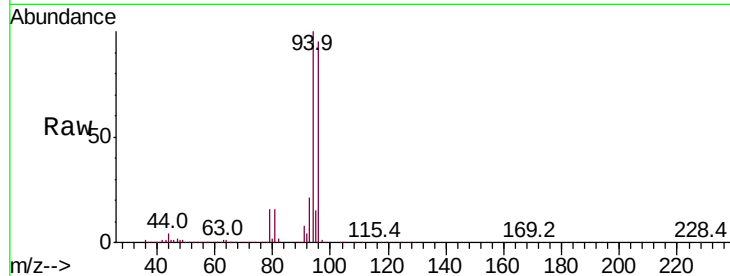
96 94.9 75.6 113.4

Manual Integrations

APPROVED

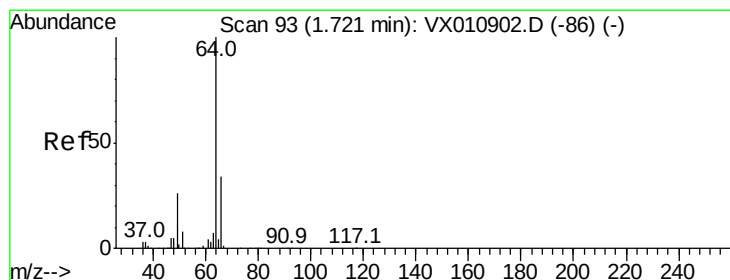
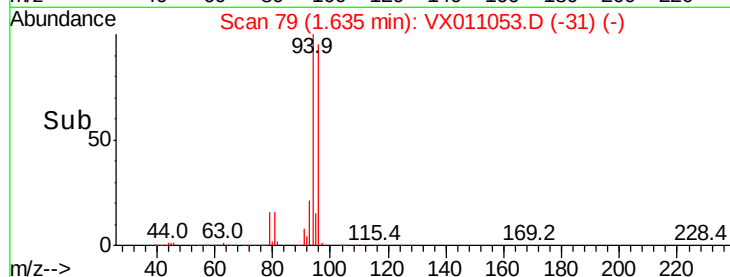
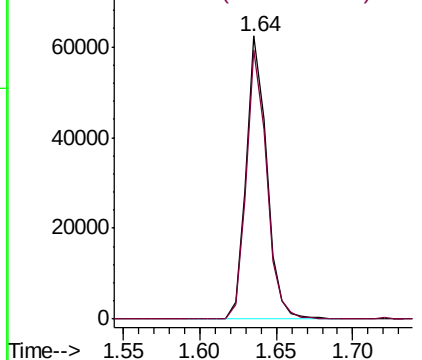
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 52.889 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX011053.D

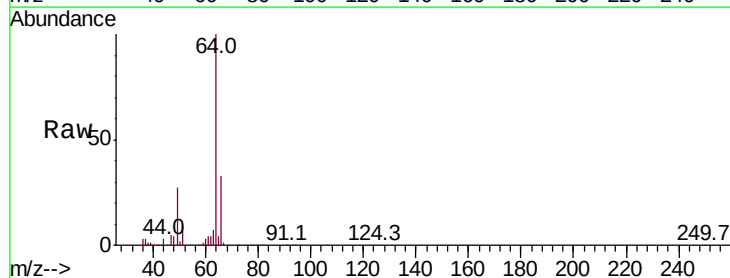
Acq: 23 Jul 2019 17:14

Tgt Ion: 64 Resp: 70401

Ion Ratio Lower Upper

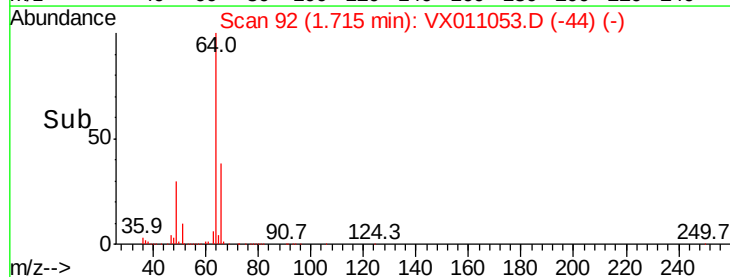
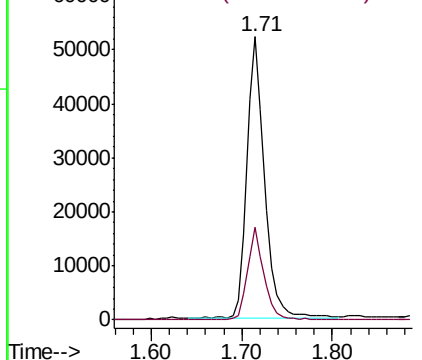
64 100

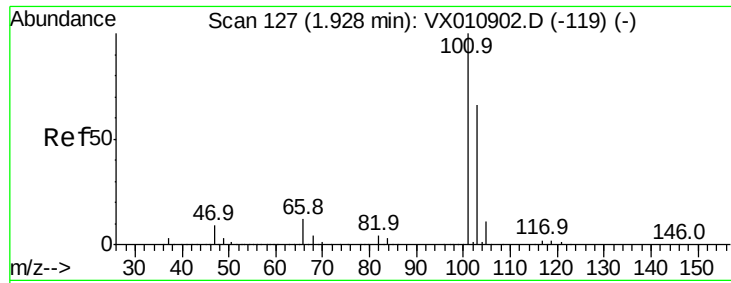
66 32.8 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

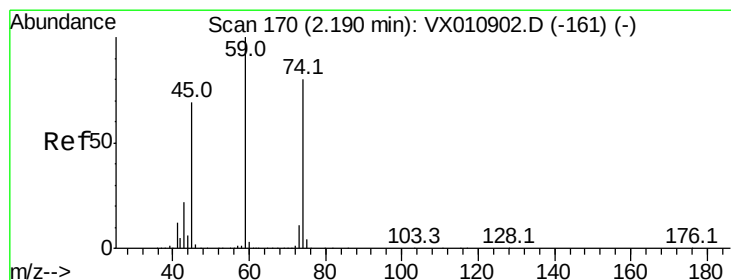
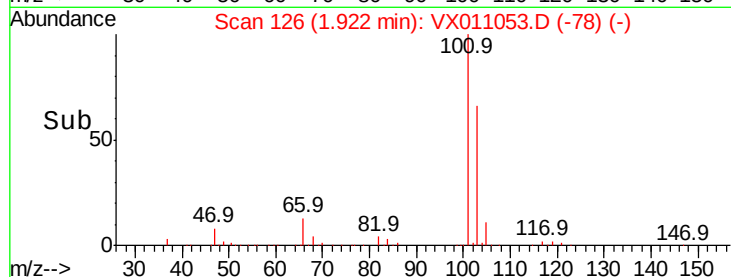
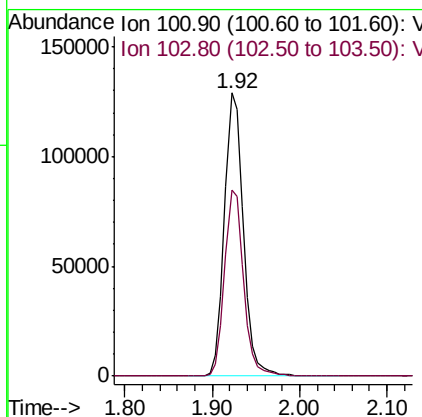
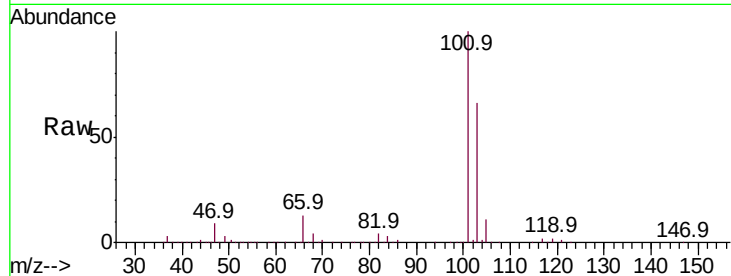
Trichlorofluoromethane
 Concen: 54.459 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.01 min
 Lab File: VX011053.D
 Acq: 23 Jul 2019 17:14

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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.6	78.8

Manual Integrations
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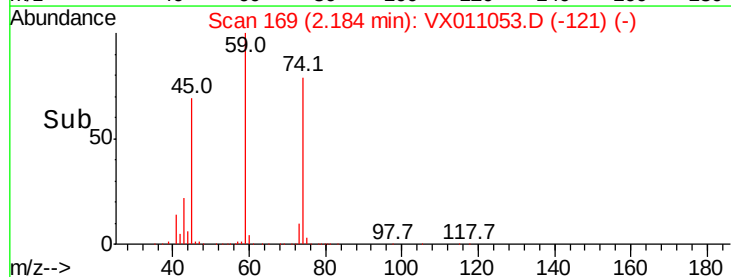
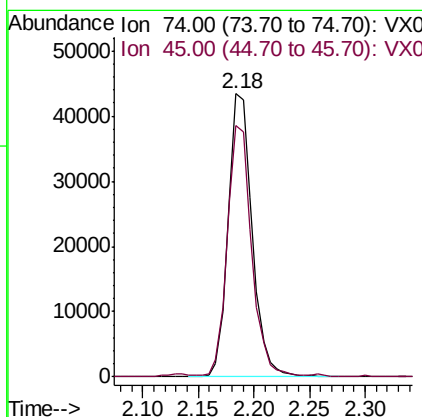
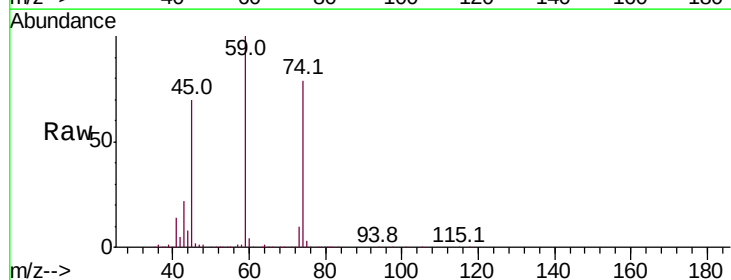
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 7/25/2019 3:07:05 PM

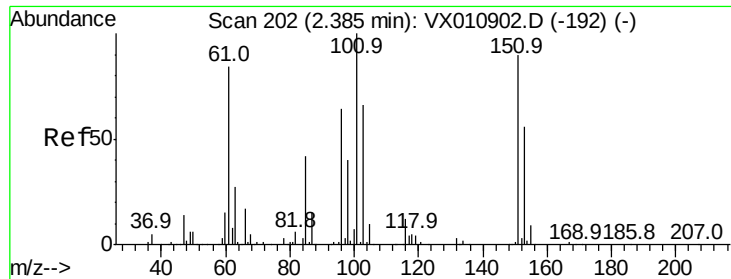


#8

Diethyl Ether
 Concen: 53.275 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.01 min
 Lab File: VX011053.D
 Acq: 23 Jul 2019 17:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.4	45.5	136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.056 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Instrument :

MSVOA_X

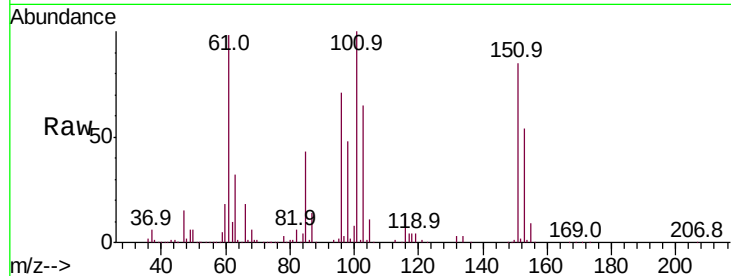
ClientSampleId :

VSTDCCC050EC

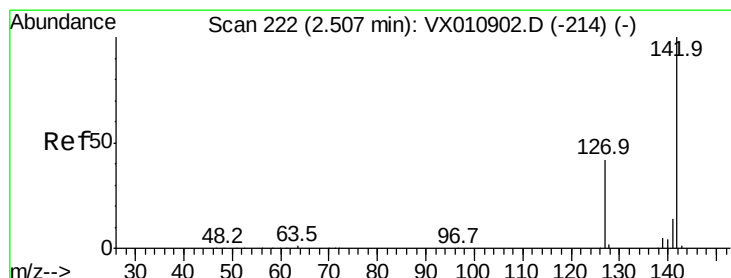
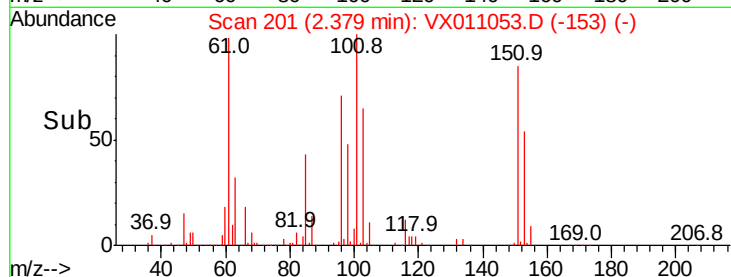
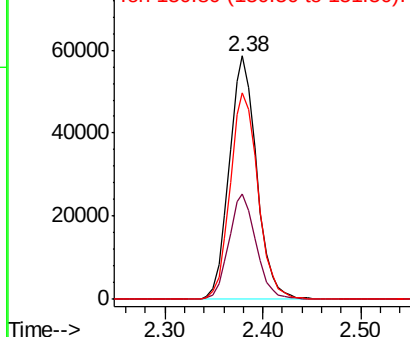
Tot Ion:	101	Resp:	113485
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.6	52.0
151	86.6	69.6	104.4

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



#10

Methyl Iodide

Concen: 56.009 ug/l

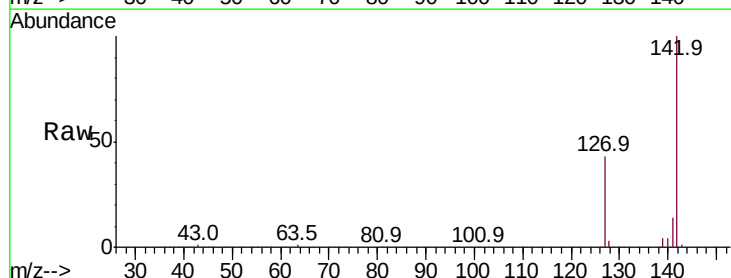
RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

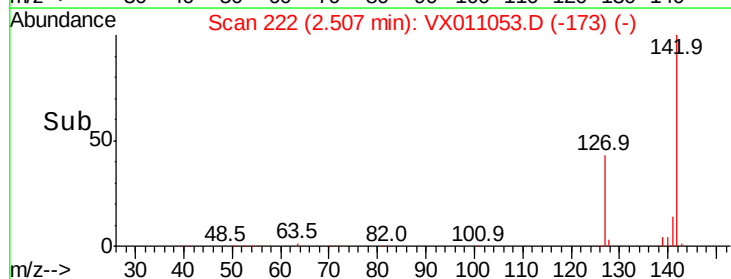
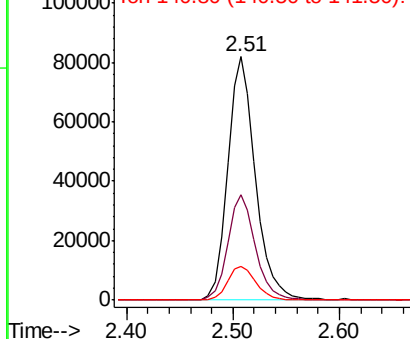
Lab File: VX011053.D

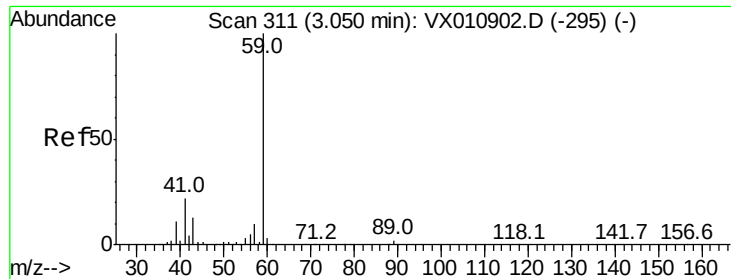
Acq: 23 Jul 2019 17:14

Tgt Ion:	142	Resp:	148801
Ion Ratio	Lower	Upper	
142	100		
127	43.3	34.2	51.4
141	14.3	11.7	17.5



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





#11

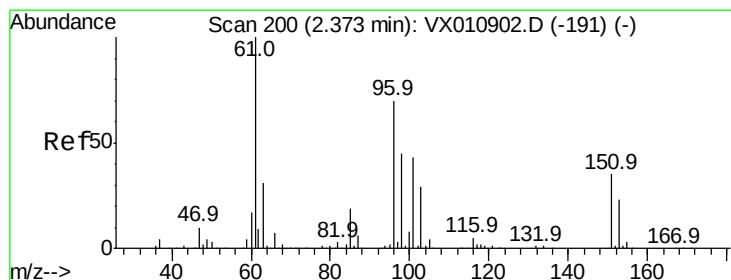
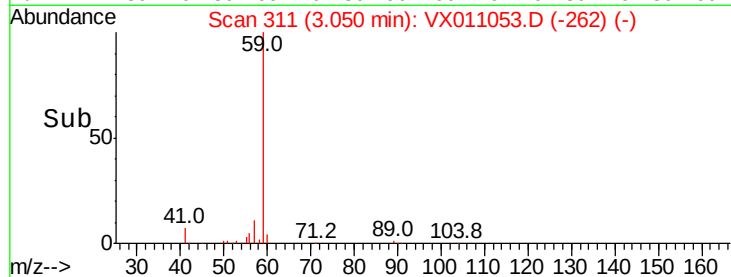
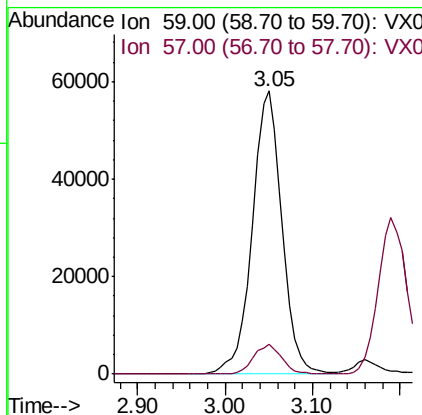
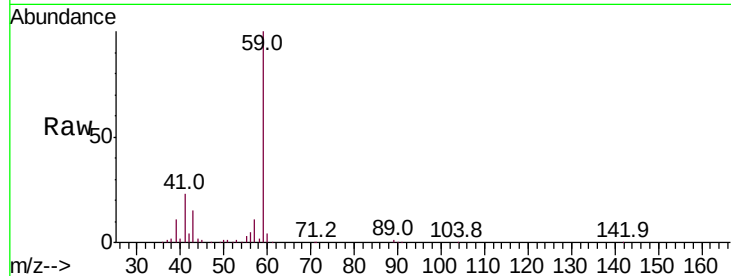
Tert butyl alcohol
Concen: 248.013 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	7.9	11.9

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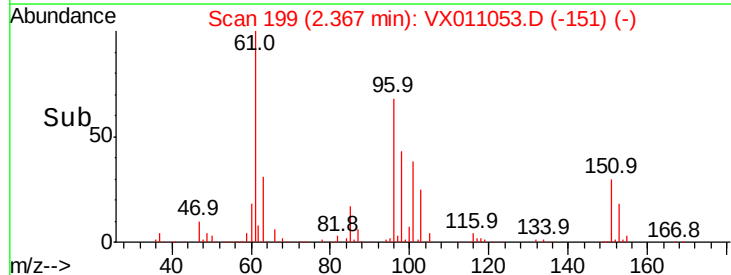
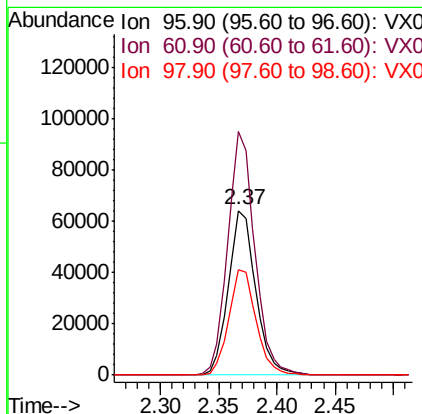
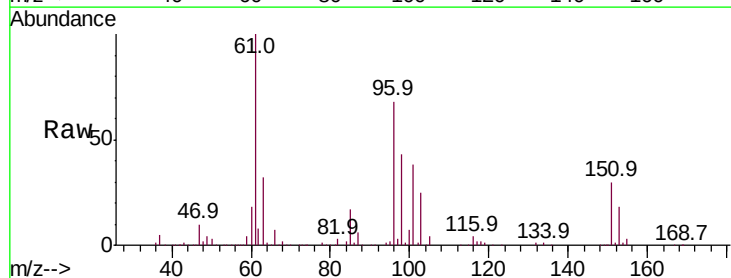
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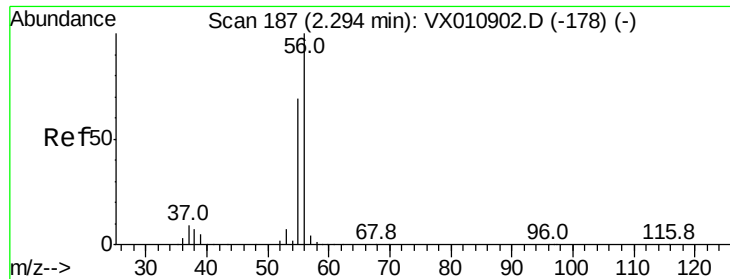


#12

1,1-Dichloroethene
Concen: 53.128 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.1	115.0	172.4
98	64.1	52.2	78.2





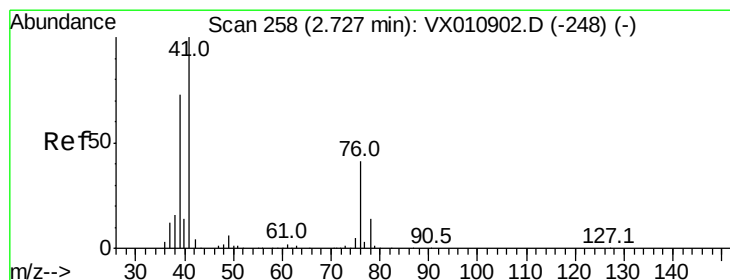
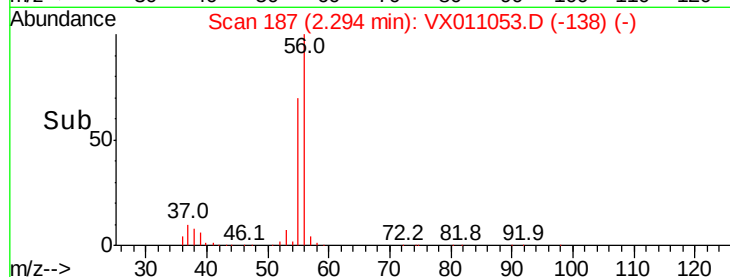
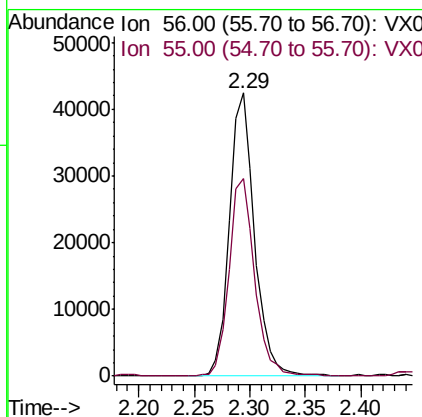
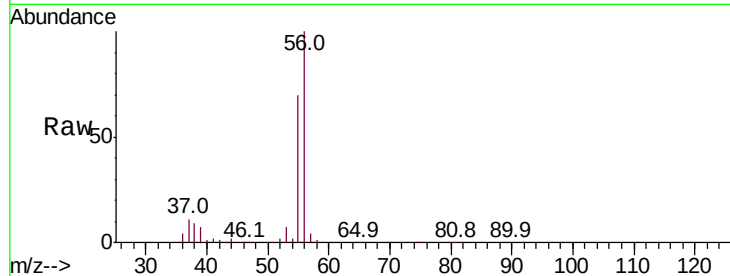
#13
Acrolein
Concen: 207.048 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	66186
Ion Ratio	Lower	Upper	
56	100		
55	71.5	55.9	83.9

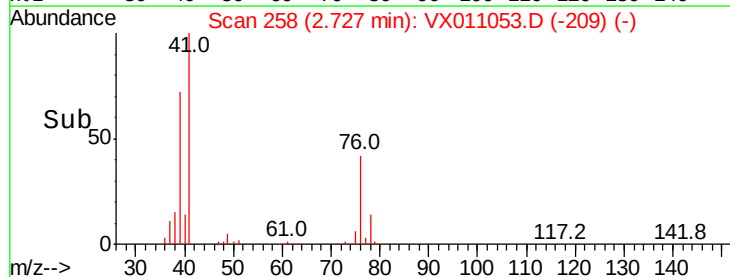
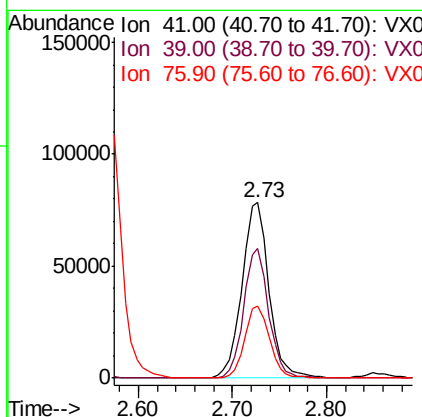
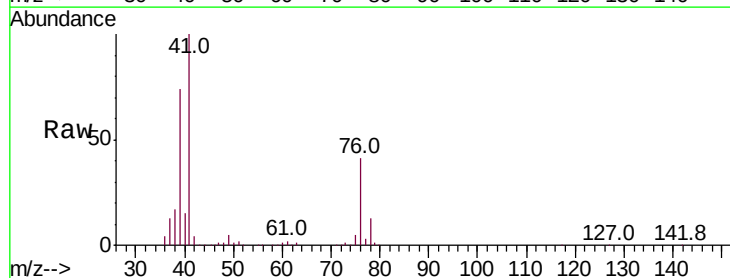
Manual Integrations
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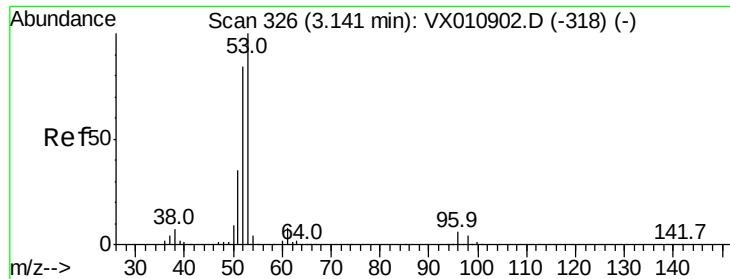
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#14
Allyl chloride
Concen: 54.118 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Tgt Ion	41	Resp	156359
Ion Ratio	Lower	Upper	
41	100		
39	68.1	53.6	80.4
76	37.8	29.7	44.5





#15

Acrylonitrile

Concen: 260.724 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Instrument :

MSVOA_X

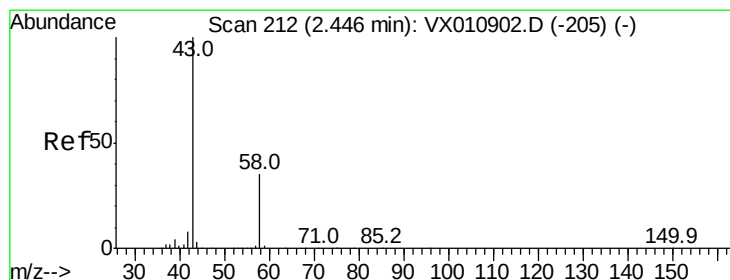
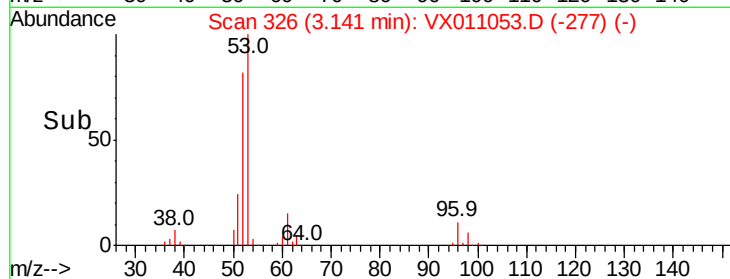
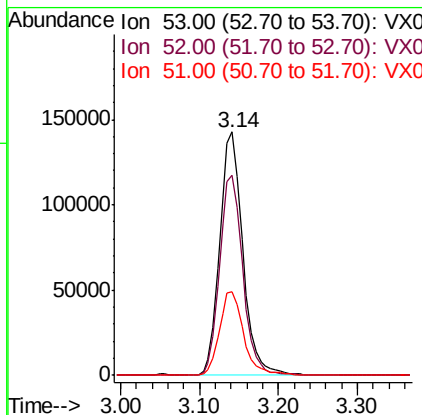
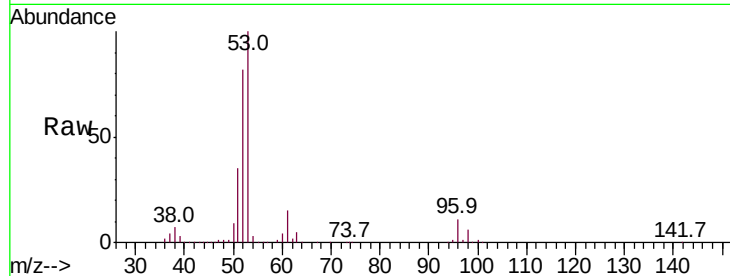
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	291490
Ion Ratio	Lower	Upper	
53	100		
52	82.8	66.5	99.7
51	36.0	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 290.374 ug/l

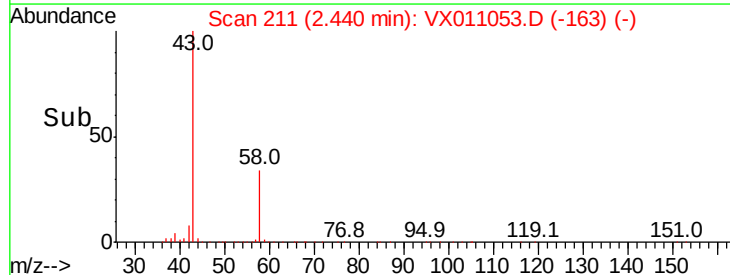
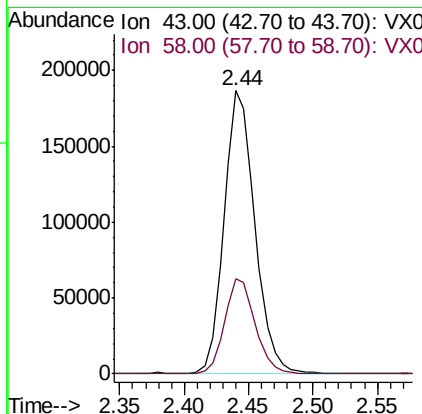
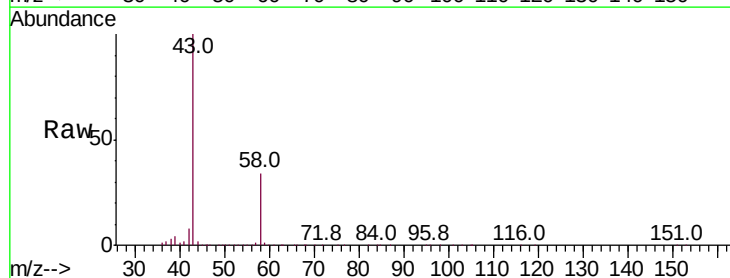
RT: 2.44 min Scan# 211

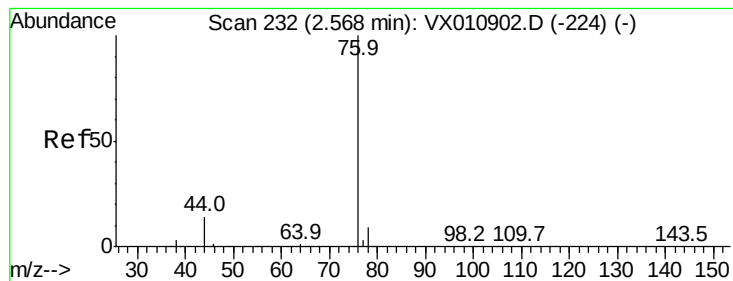
Delta R.T. -0.01 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Tgt Ion:	43	Resp:	311566
Ion Ratio	Lower	Upper	
43	100		
58	33.5	27.7	41.5





#17

Carbon Disulfide

Concen: 49.232 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 251198

Ion Ratio Lower Upper

76 100

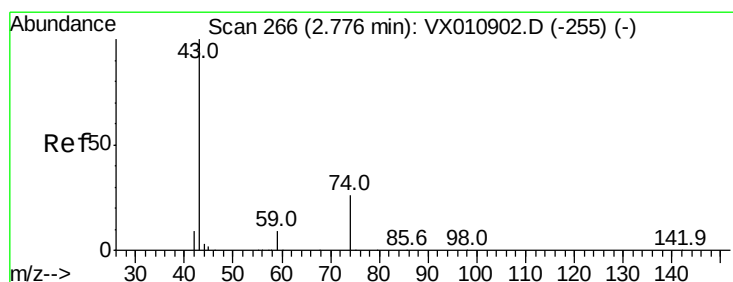
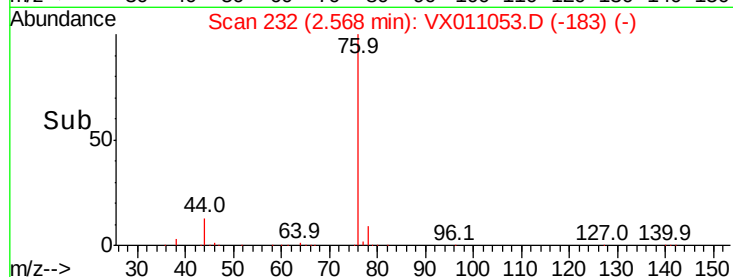
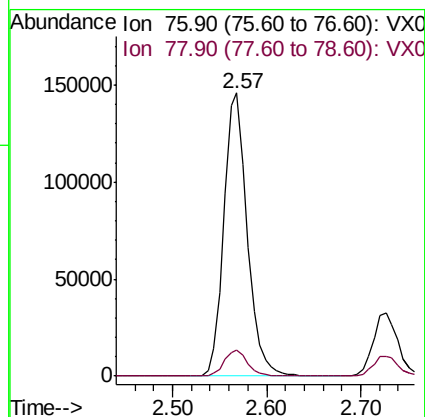
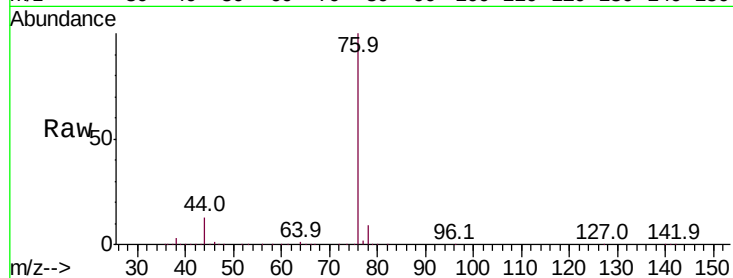
78 9.4 7.4 11.0

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#18

Methyl Acetate

Concen: 53.982 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX011053.D

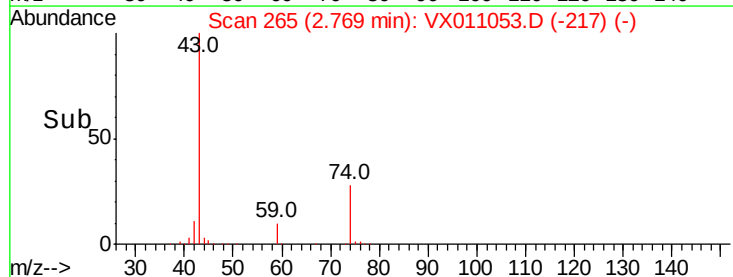
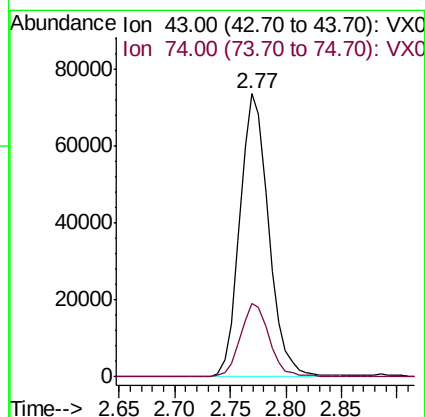
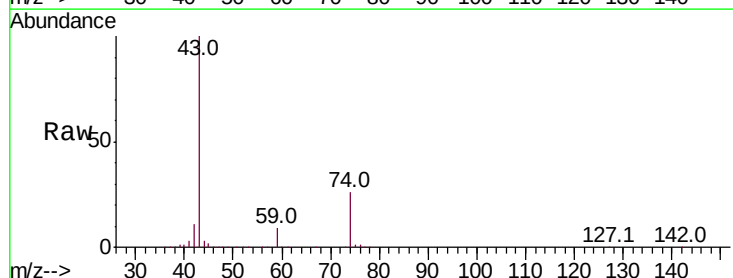
Acq: 23 Jul 2019 17:14

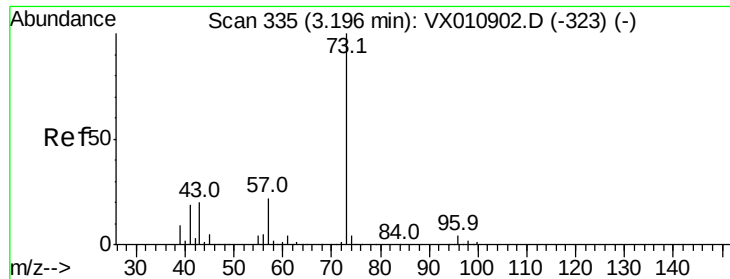
Tgt Ion: 43 Resp: 131889

Ion Ratio Lower Upper

43 100

74 26.6 21.5 32.3





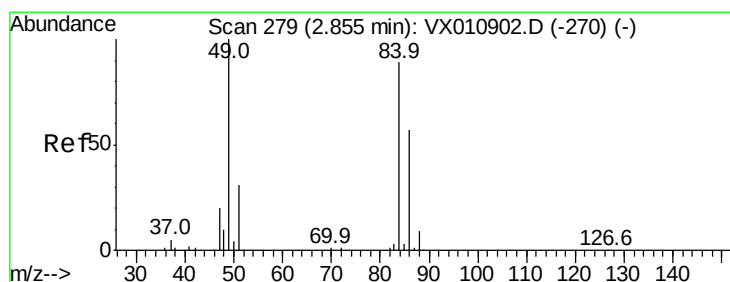
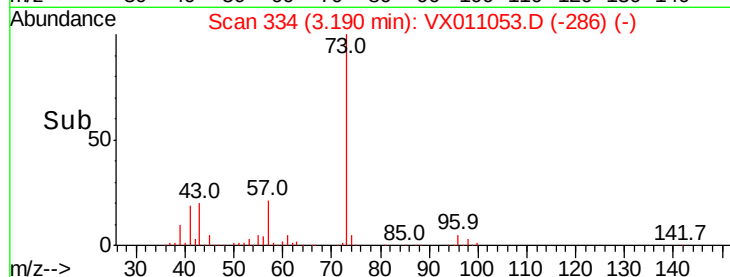
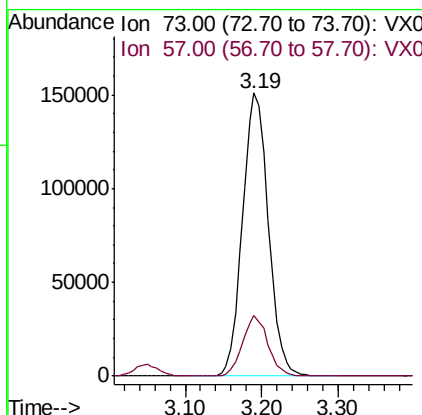
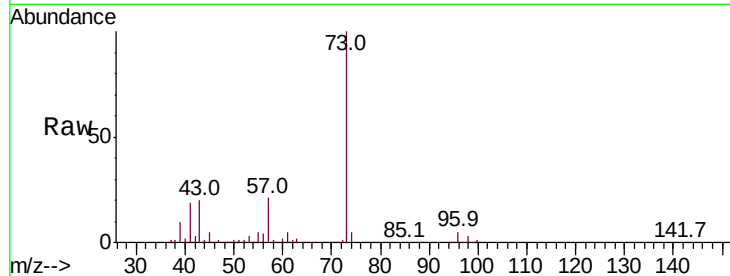
#19
Methyl tert-butyl Ether
Concen: 55.379 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.3	25.9

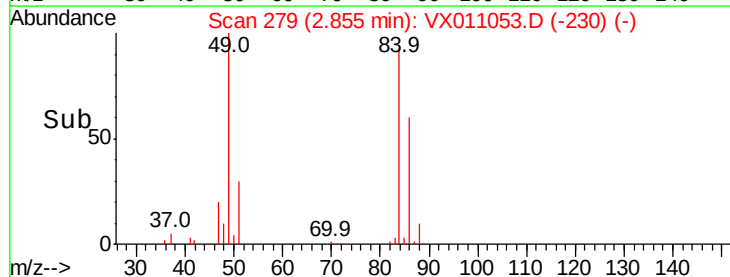
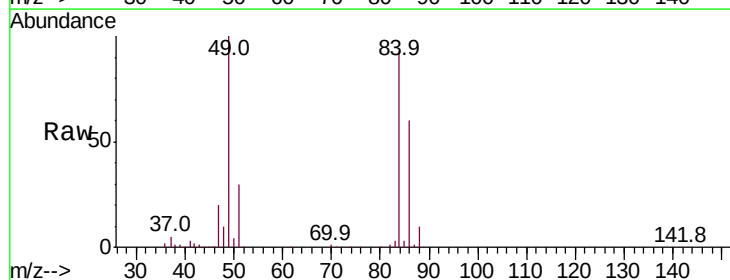
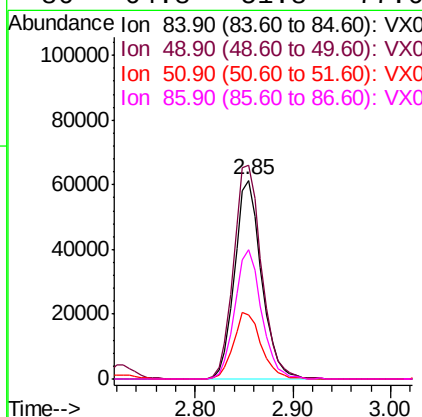
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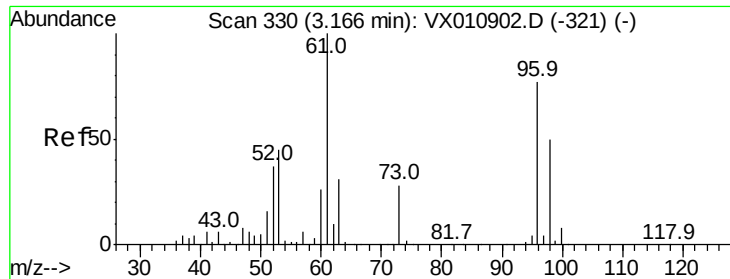
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#20
Methylene Chloride
Concen: 51.775 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Tgt Ion	Ratio	Lower	Upper
84	100		
49	107.6	89.9	134.9
51	32.4	27.8	41.6
86	64.8	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 52.820 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 111479

Ion Ratio Lower Upper

96 100

61 128.7 104.2 156.2

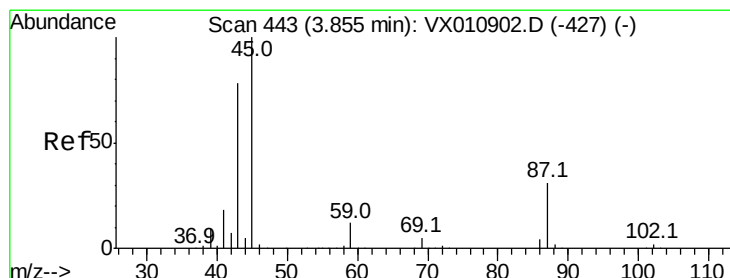
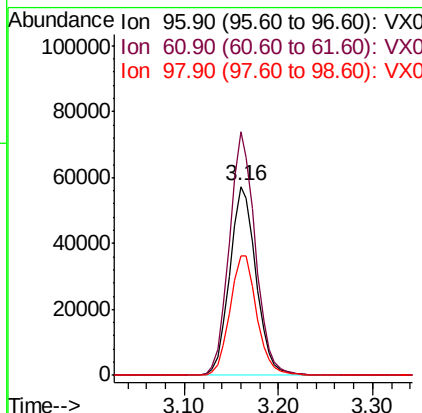
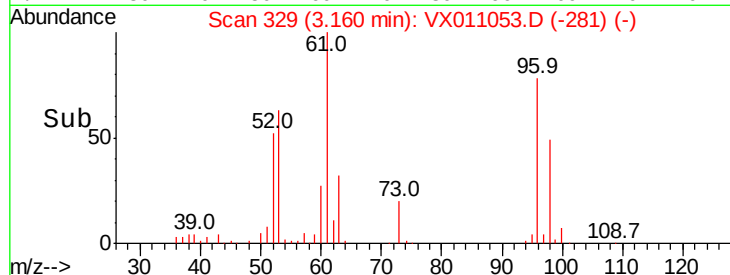
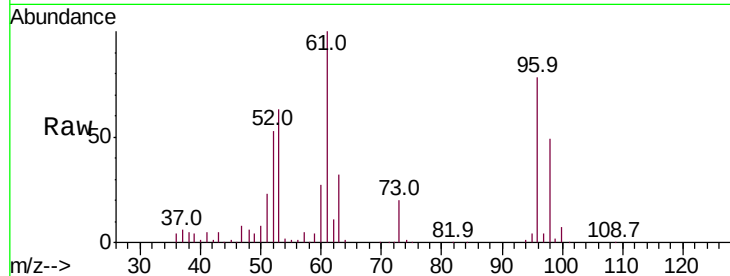
98 63.4 52.2 78.4

Manual Integrations

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#22

Diisopropyl ether

Concen: 54.958 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Tgt Ion: 45 Resp: 334893

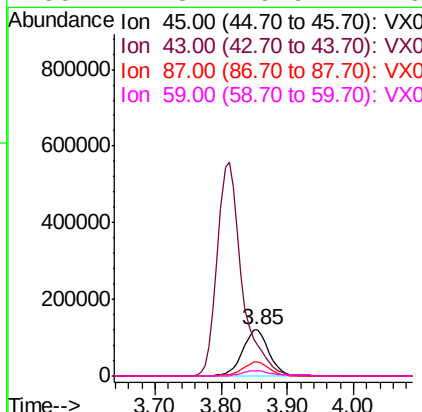
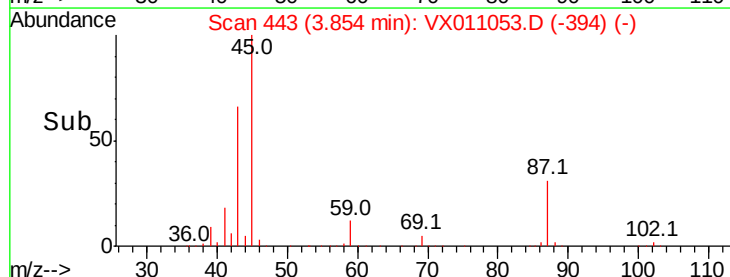
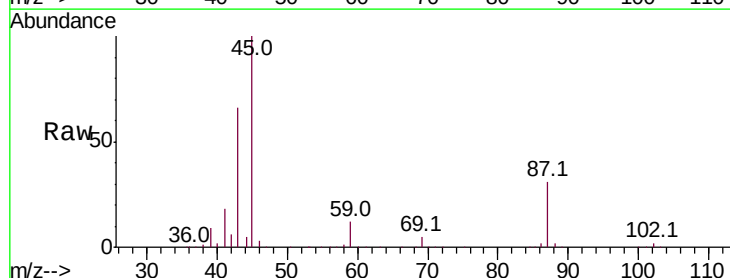
Ion Ratio Lower Upper

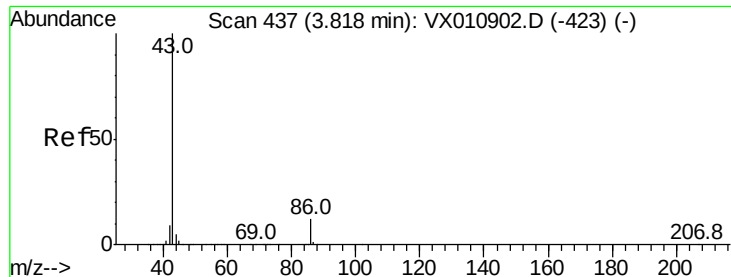
45 100

43 65.5 62.3 93.5

87 30.9 25.0 37.4

59 12.3 9.9 14.9





#23

Vinyl Acetate

Concen: 280.470 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1448087

Ion Ratio Lower Upper

43 100

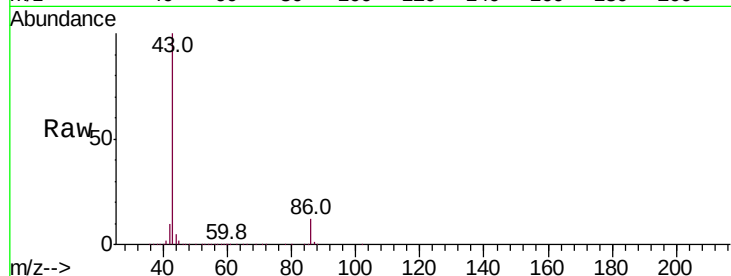
86 11.8 9.4 14.0

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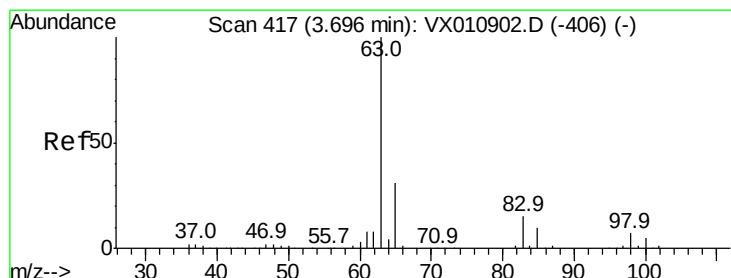
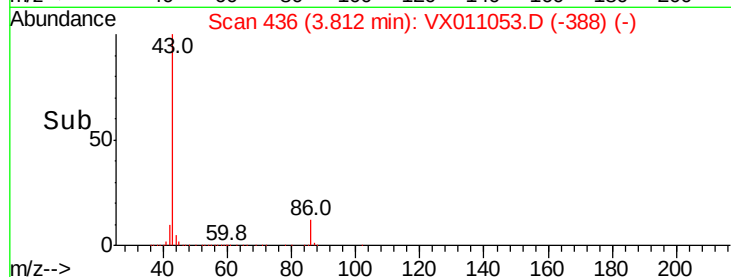
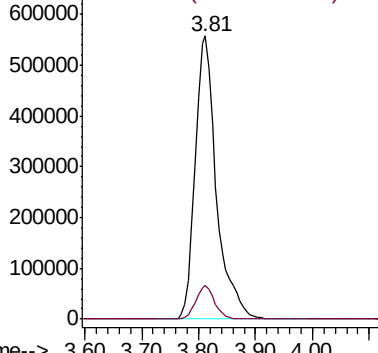
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 53.936 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

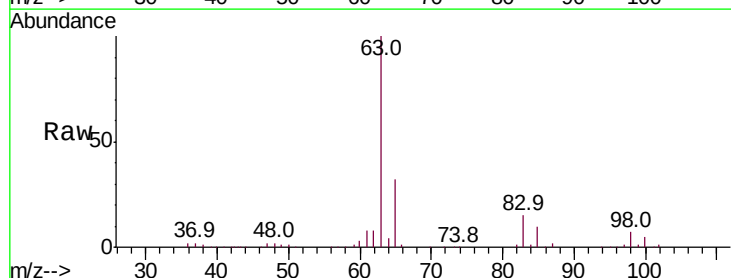
Tgt Ion: 63 Resp: 190873

Ion Ratio Lower Upper

63 100

98 7.0 3.6 10.9

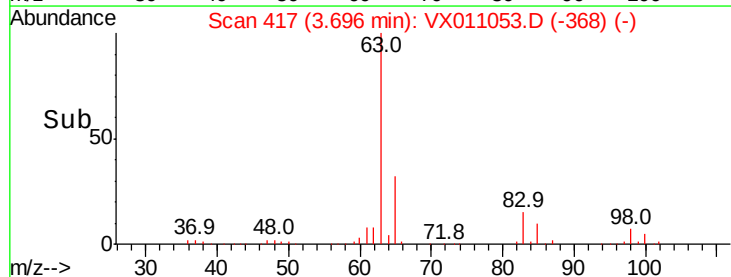
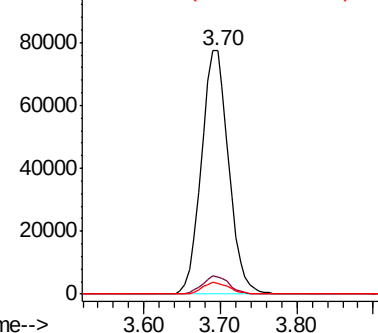
100 4.6 2.4 7.2

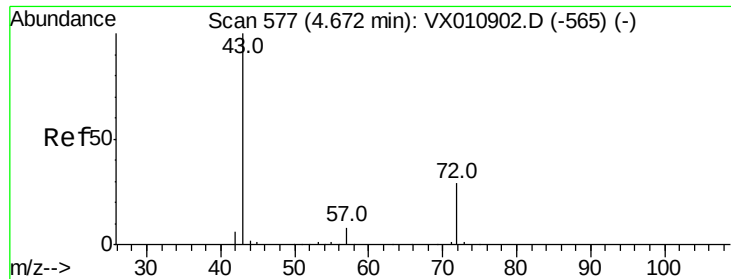


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 277.099 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 426802

Ion Ratio Lower Upper

43 100

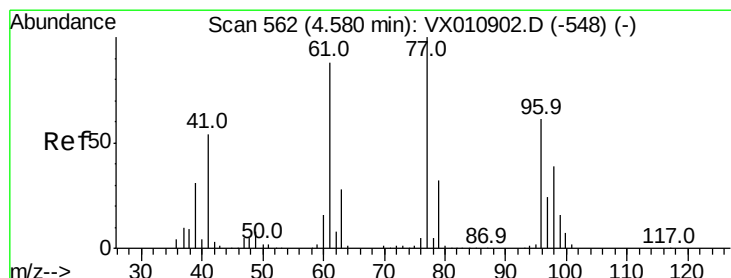
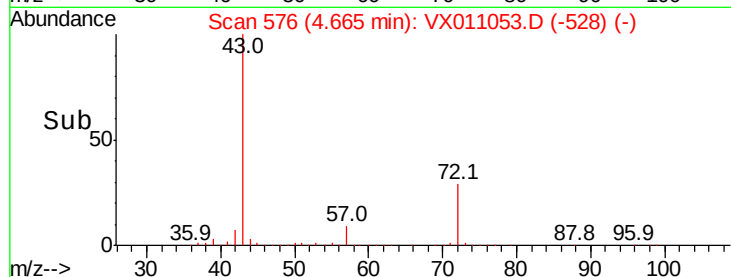
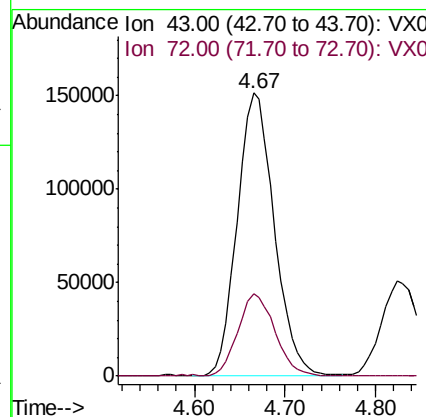
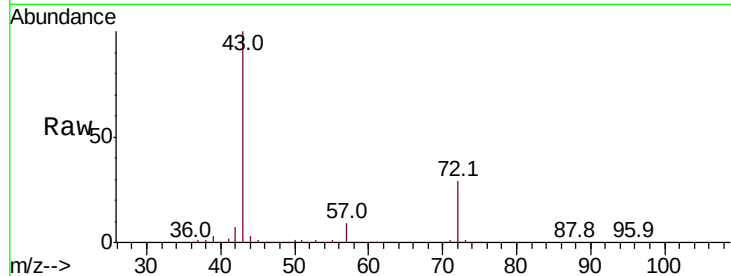
72 29.2 23.0 34.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 57.539 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX011053.D

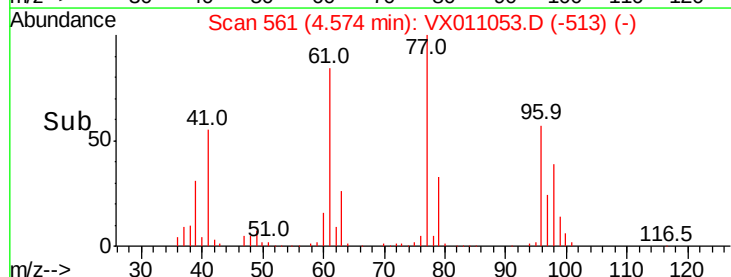
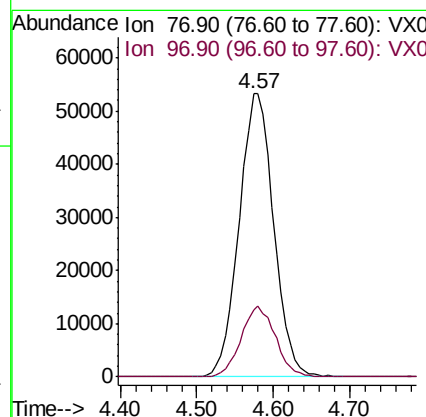
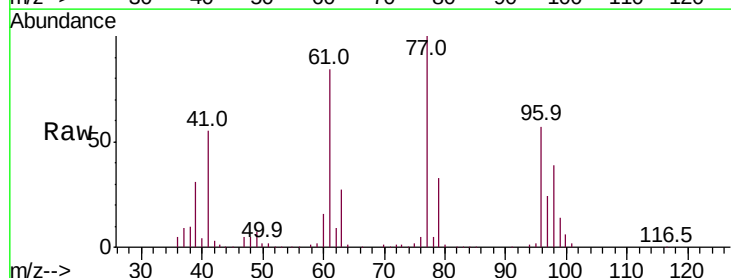
Acq: 23 Jul 2019 17:14

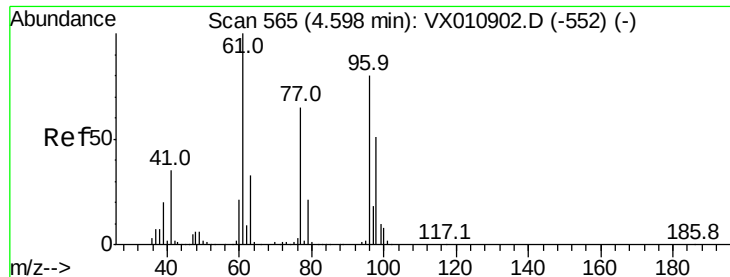
Tgt Ion: 77 Resp: 167192

Ion Ratio Lower Upper

77 100

97 24.8 12.6 37.6





#27

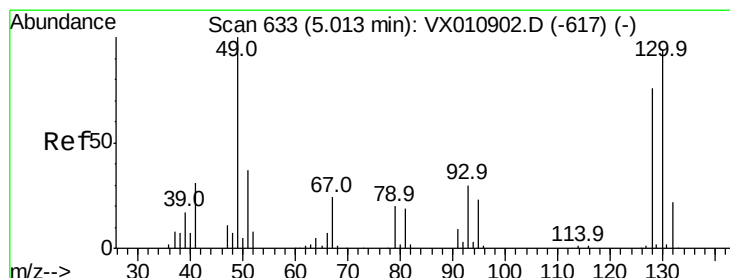
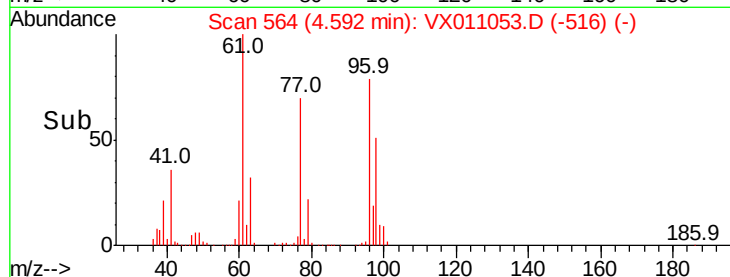
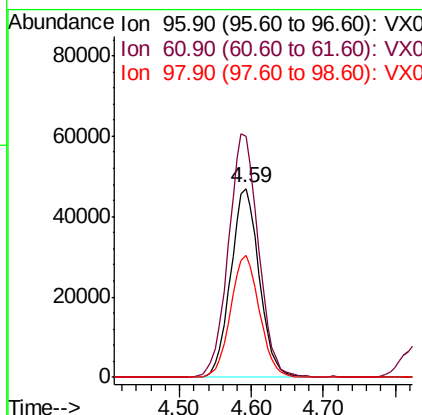
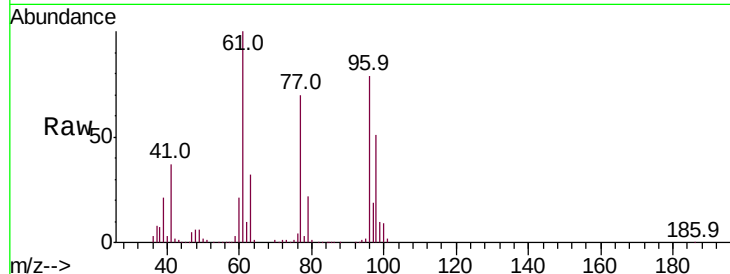
cis-1,2-Dichloroethene
 Concen: 53.186 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX011053.D
 Acq: 23 Jul 2019 17:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	129912		
61	135.3	0.0	269.0	
98	65.5	0.0	131.4	

Manual Integrations
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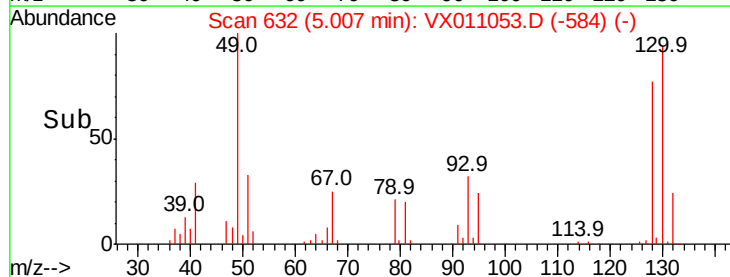
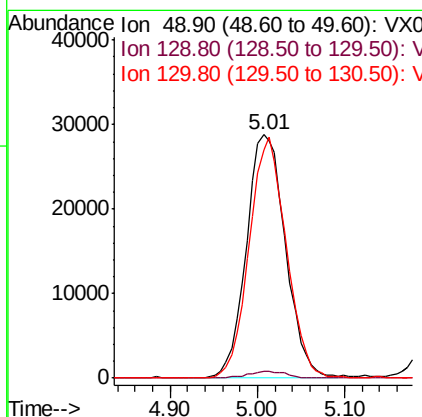
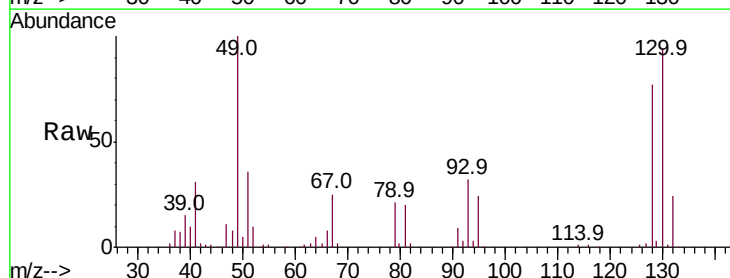
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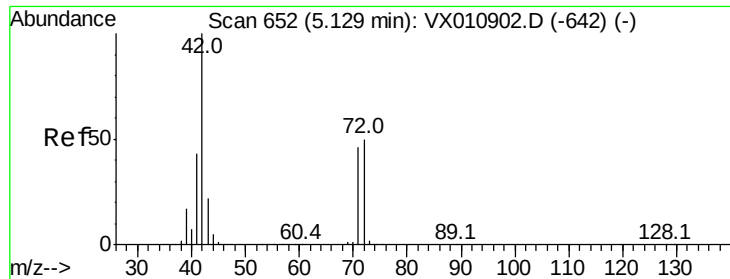


#28

Bromochloromethane
 Concen: 53.576 ug/l
 RT: 5.01 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: VX011053.D
 Acq: 23 Jul 2019 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	89345		
129	2.7	0.0	5.2	
130	93.9	76.9	115.3	





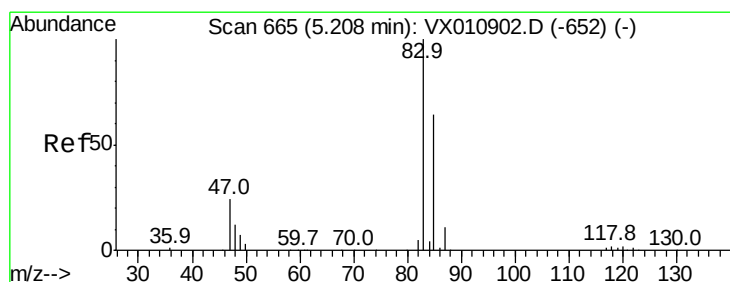
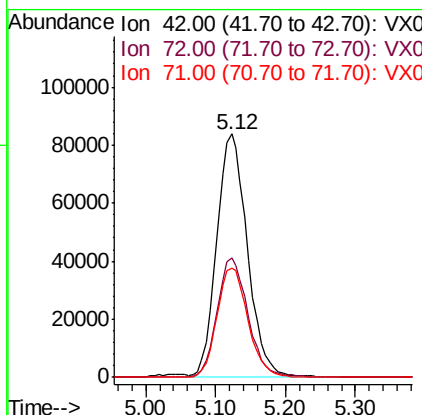
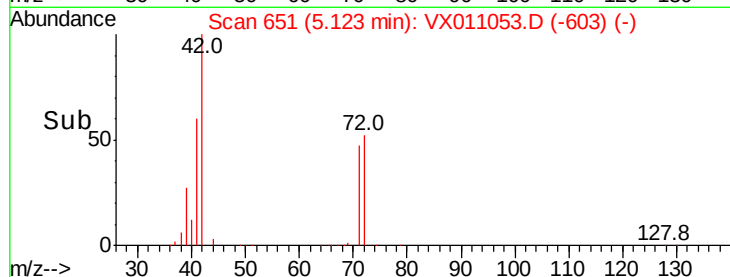
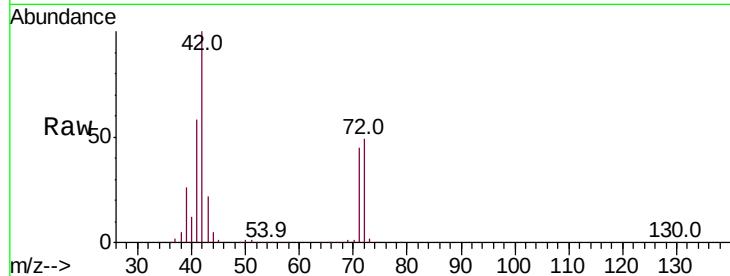
#29
Tetrahydrofuran
Concen: 259.946 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.8	39.8	59.8
71	45.8	37.0	55.4

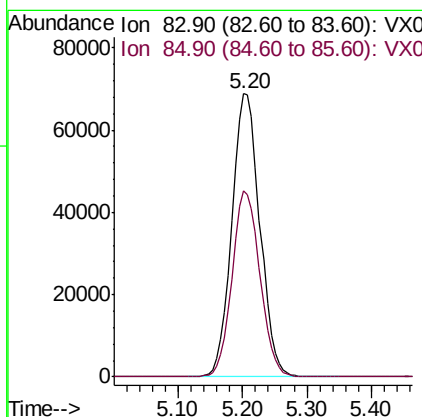
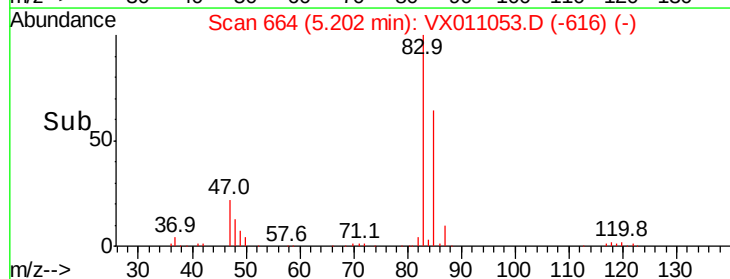
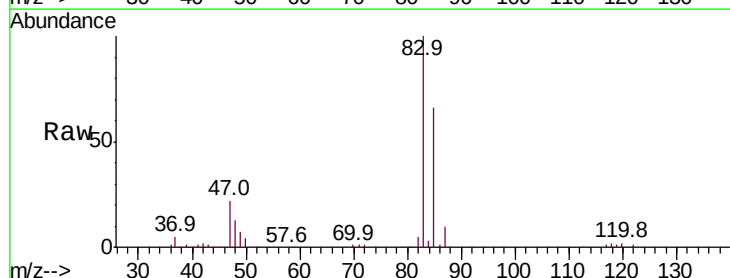
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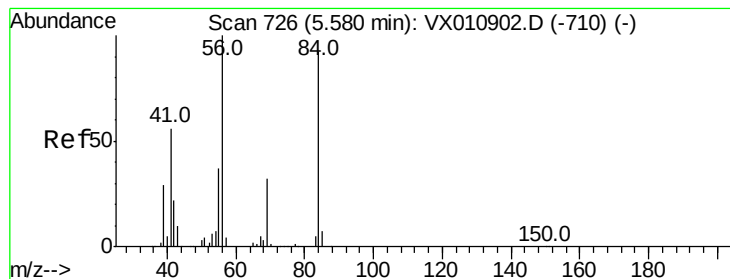
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#30
Chloroform
Concen: 54.520 ug/l
RT: 5.20 min Scan# 664
Delta R.T. -0.01 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.4	77.0





#31

Cyclohexane

Concen: 52.149 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 168215

Ion Ratio Lower Upper

56 100

69 32.2 25.8 38.8

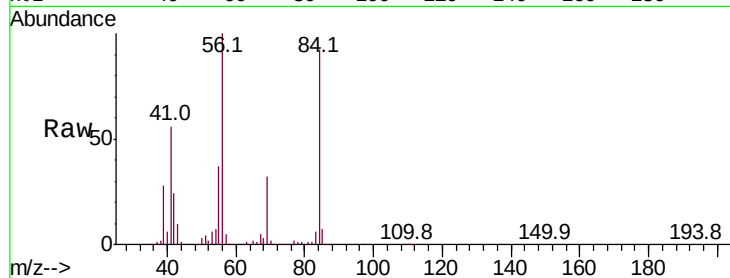
84 90.4 73.8 110.6

Manual Integrations

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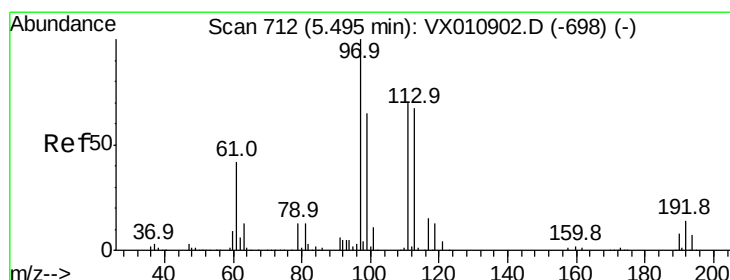
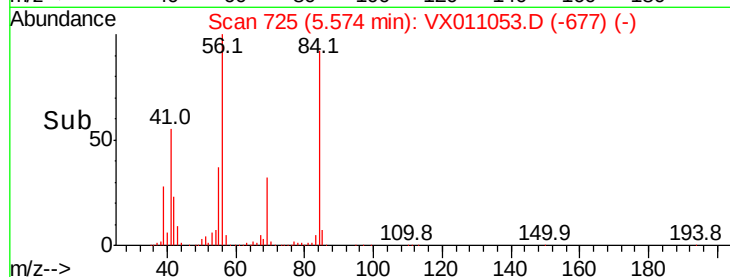
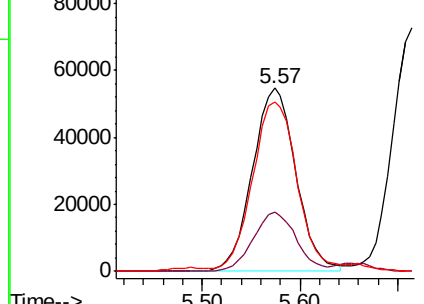
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 56.092 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

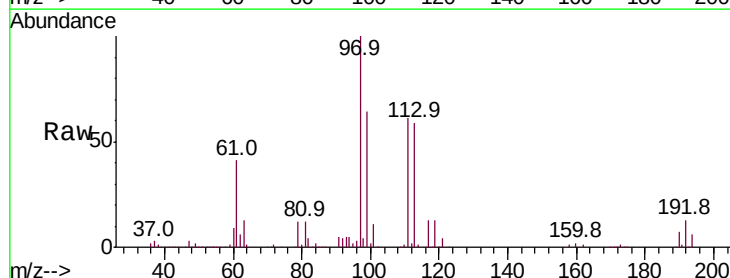
Tgt Ion: 97 Resp: 185627

Ion Ratio Lower Upper

97 100

99 64.1 51.4 77.0

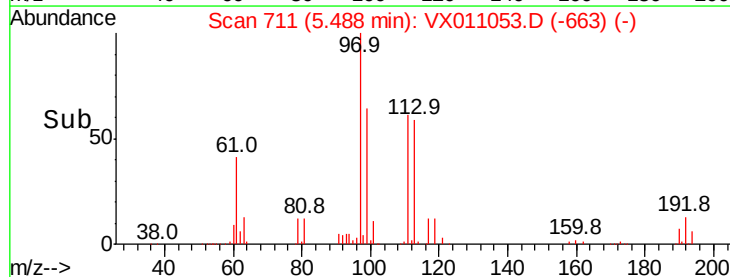
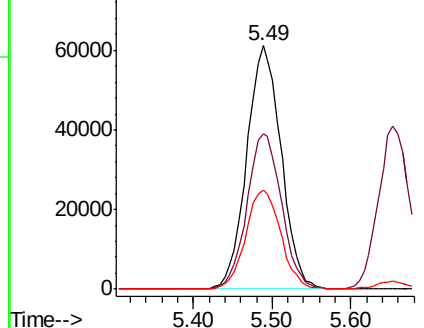
61 41.4 33.0 49.6

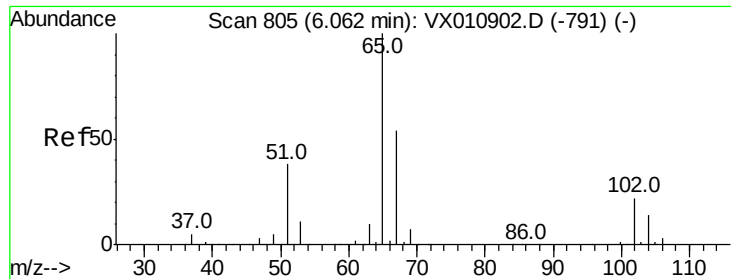


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





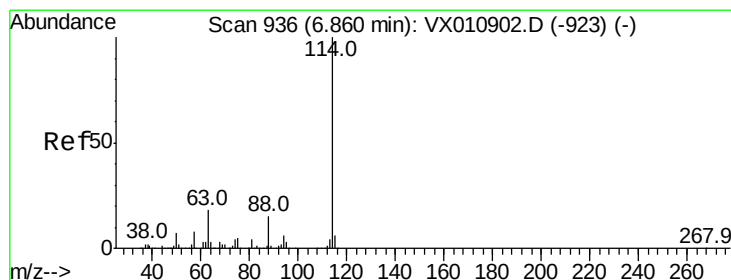
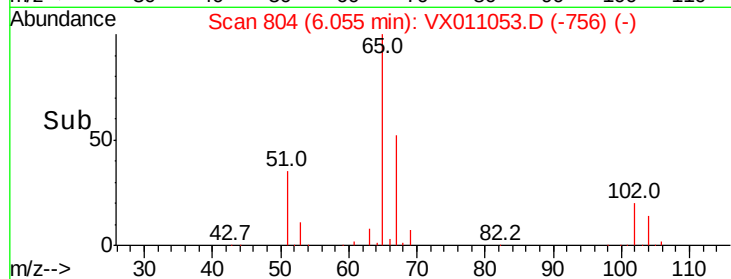
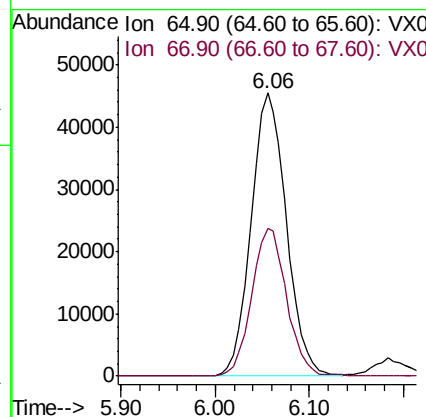
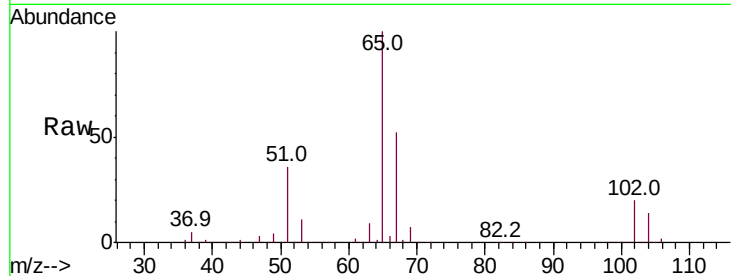
#33
 1,2-Dichloroethane-d4
 Concen: 50.240 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX011053.D
 Acq: 23 Jul 2019 17:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	107.8

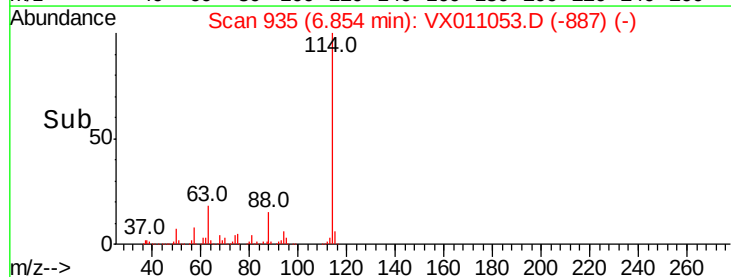
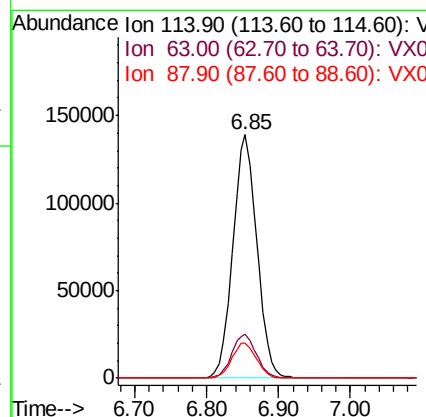
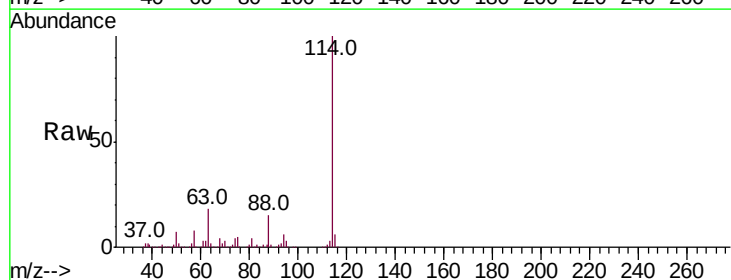
Manual Integrations
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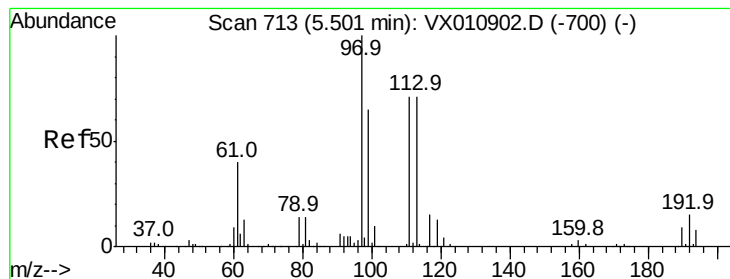
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX011053.D
 Acq: 23 Jul 2019 17:14

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	35.6
88	14.6	0.0	29.8





#35

Dibromofluoromethane

Concen: 52.608 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Instrument :

MSVOA_X

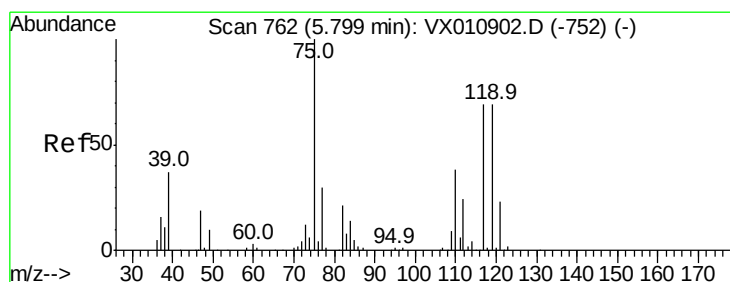
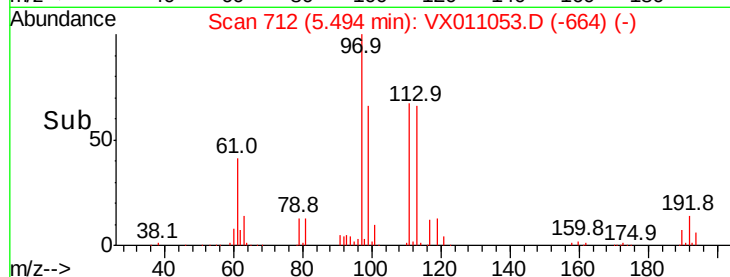
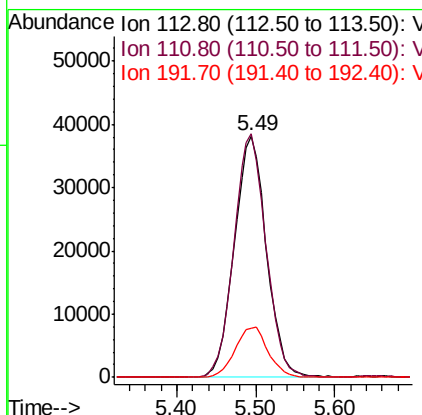
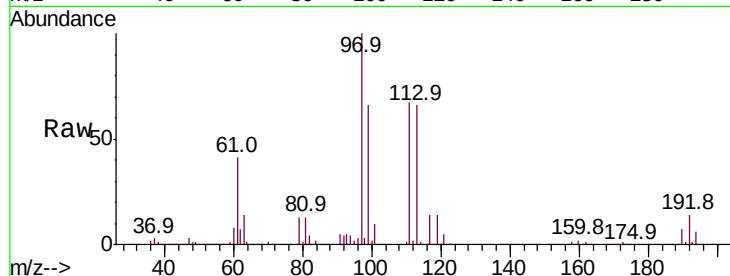
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	107774
Ion	Ratio	Lower	Upper
113	100		
111	100.8	82.3	123.5
192	21.6	17.4	26.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 56.340 ug/l

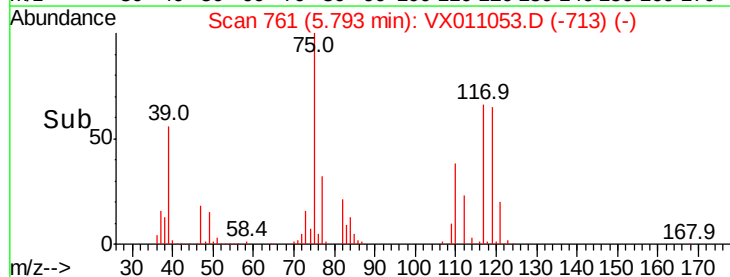
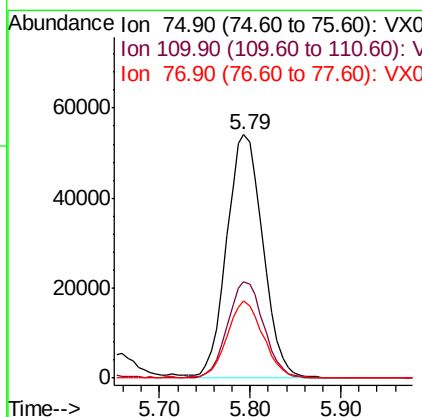
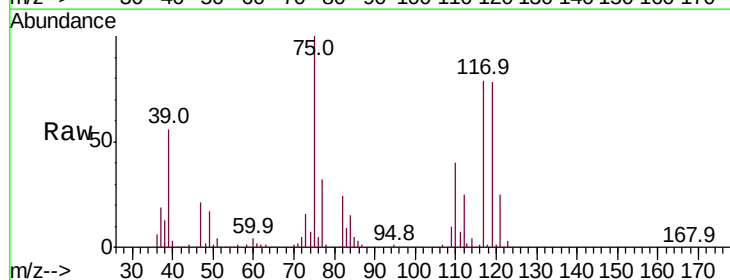
RT: 5.79 min Scan# 761

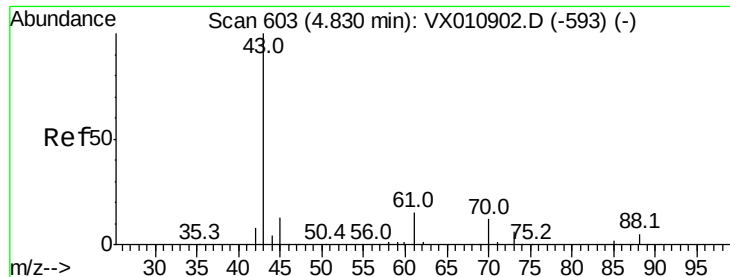
Delta R.T. -0.01 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Tgt Ion:	75	Resp:	149369
Ion	Ratio	Lower	Upper
75	100		
110	39.7	19.9	59.7
77	31.7	25.0	37.4





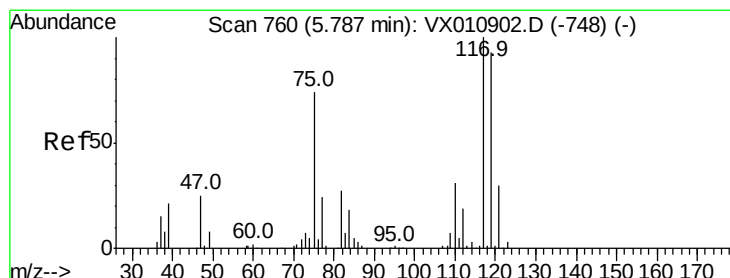
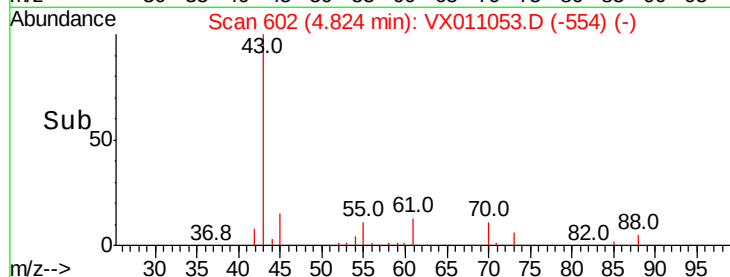
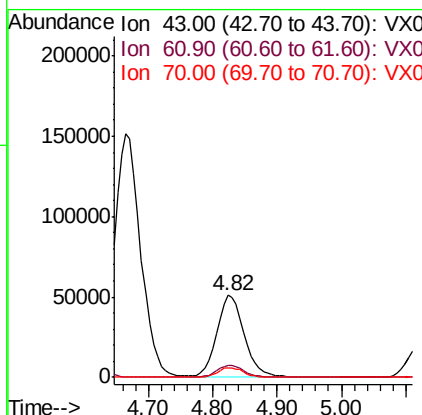
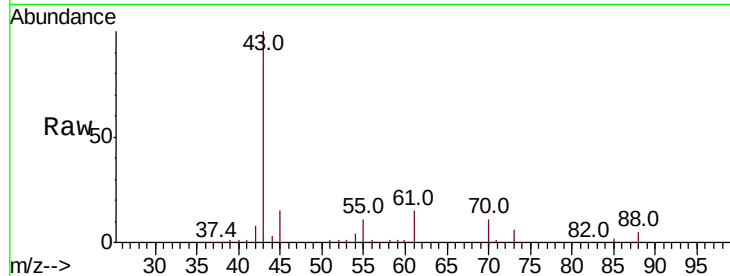
#37
Ethyl Acetate
Concen: 56.332 ug/l
RT: 4.82 min Scan# 602
Delta R.T. -0.01 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.6	17.4
70	11.4	9.1	13.7

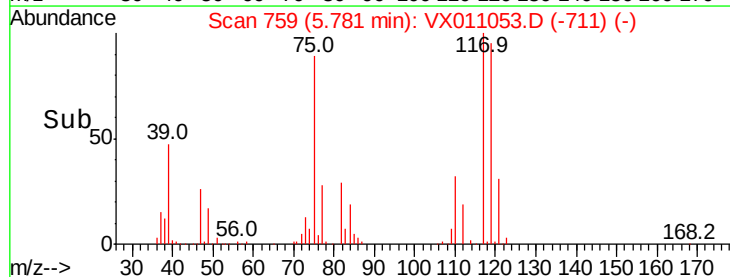
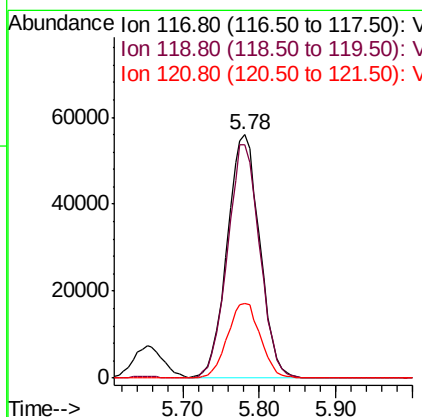
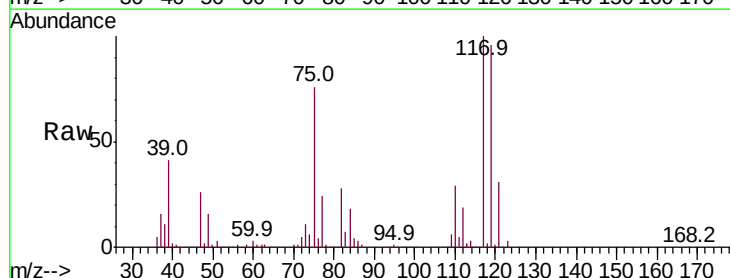
Manual Integrations
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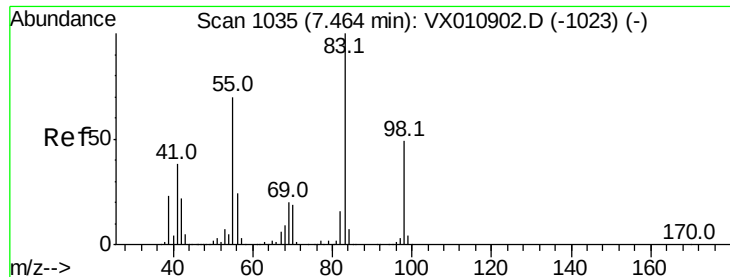
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#38
Carbon Tetrachloride
Concen: 59.564 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	74.2	111.2
121	30.6	24.2	36.2





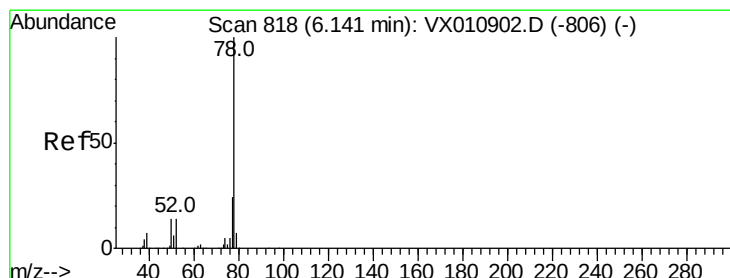
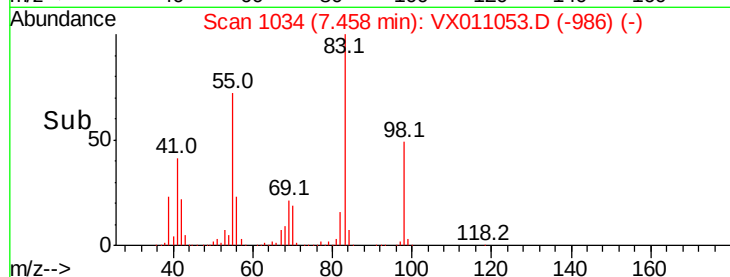
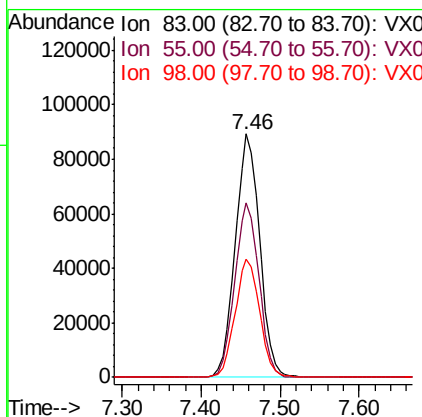
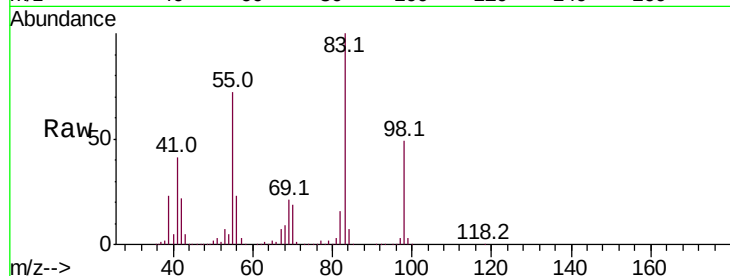
#39
Methylvlcyclohexane
Concen: 56.046 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.6	56.2	84.4
98	48.7	39.0	58.4

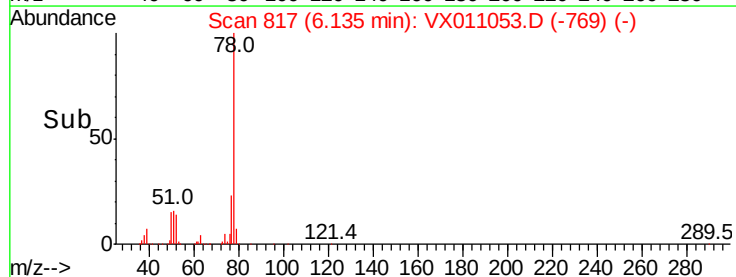
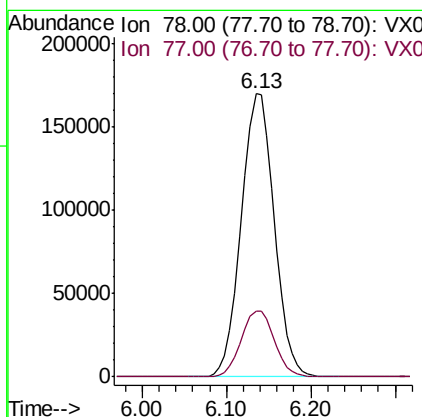
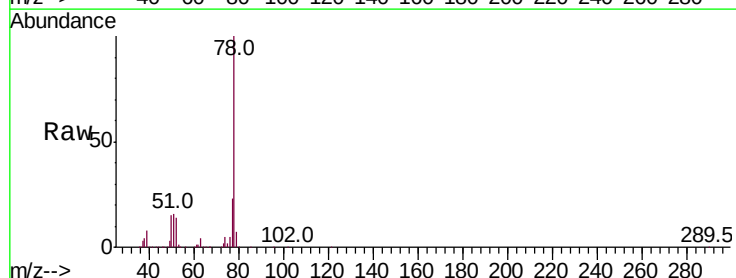
Manual Integrations
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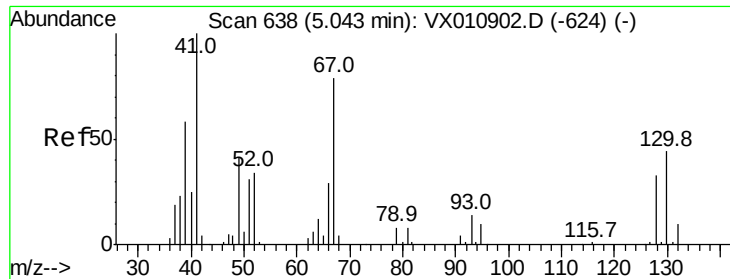
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#40
Benzene
Concen: 55.378 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.6





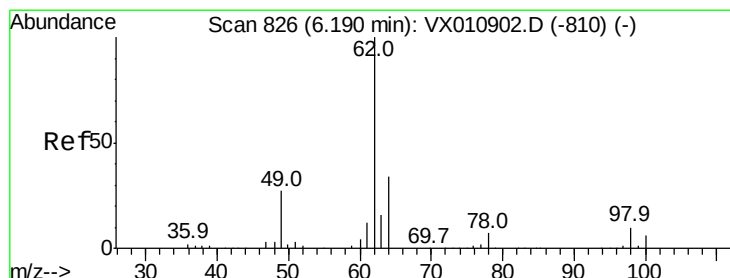
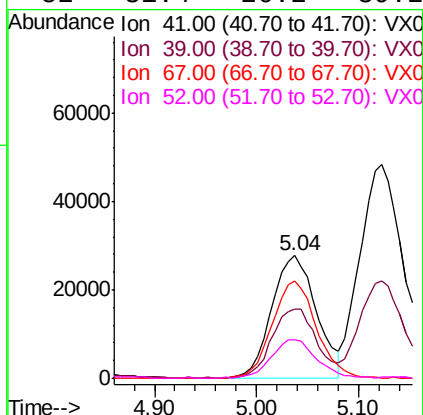
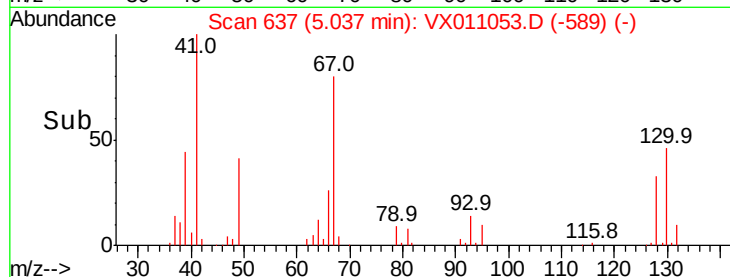
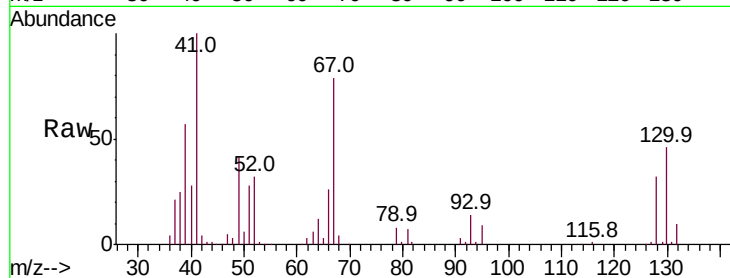
#41
Methacrylonitrile
Concen: 54.844 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.0	45.4	68.2	
67	78.5	65.9	98.9	
52	31.4	26.2	39.2	

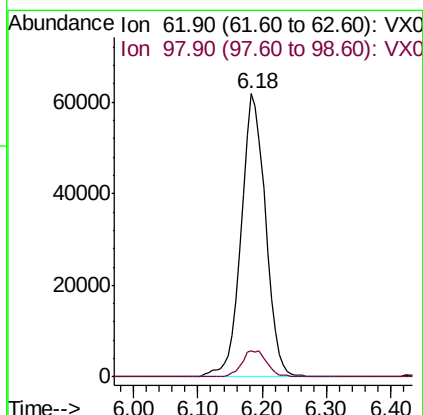
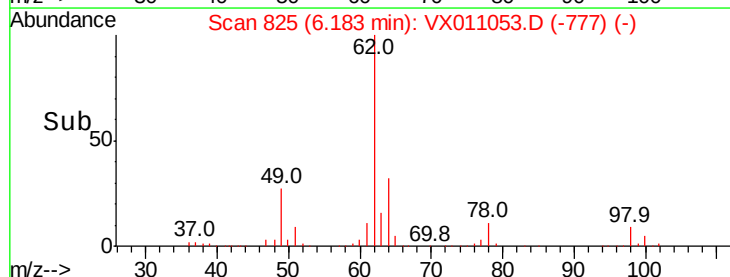
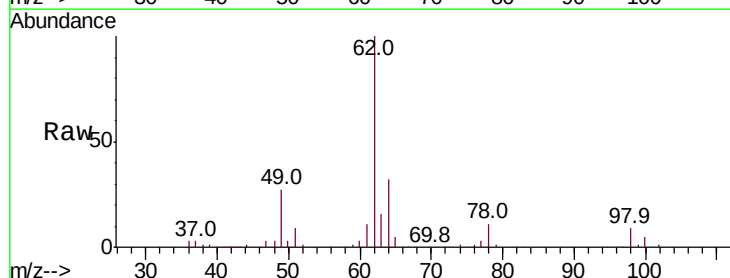
Manual Integrations
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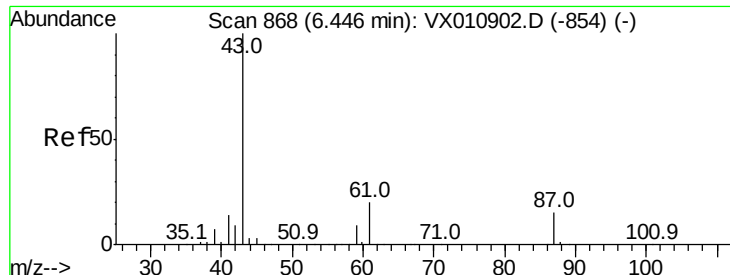
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#42
1,2-Dichloroethane
Concen: 56.972 ug/l
RT: 6.18 min Scan# 825
Delta R.T. -0.01 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.5	0.0	20.0	





#43

Isopropyl Acetate

Concen: 56.814 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Instrument :

MSVOA_X

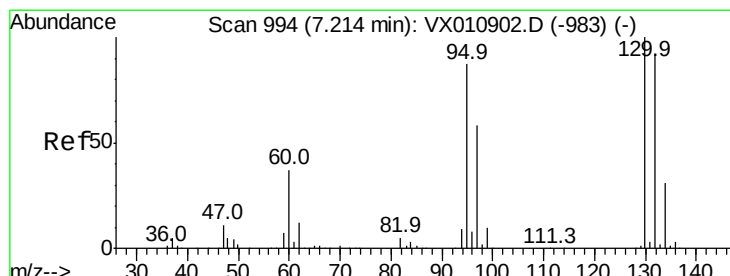
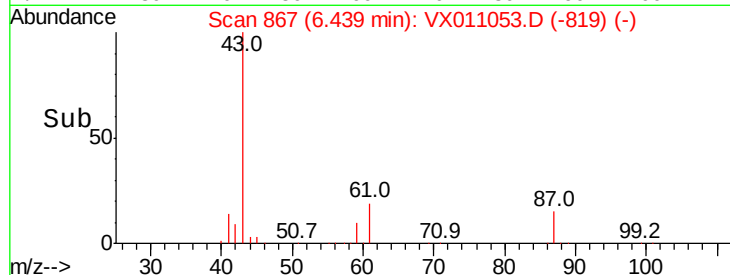
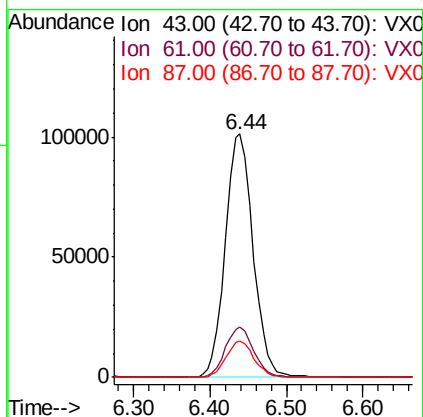
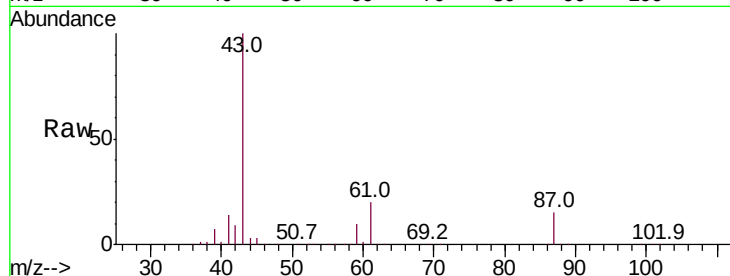
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	253610
Ion	Ratio	Lower	Upper
43	100		
61	21.1	17.1	25.7
87	15.0	12.0	18.0

Manual Integrations
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#44

Trichloroethene

Concen: 55.542 ug/l

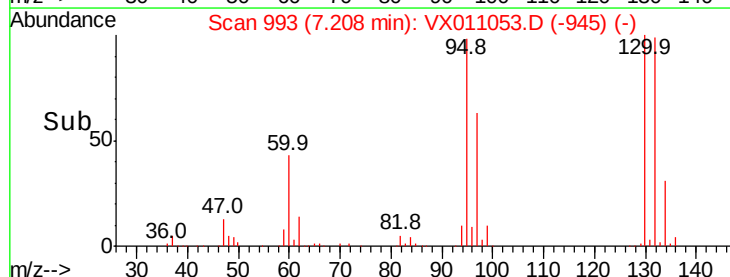
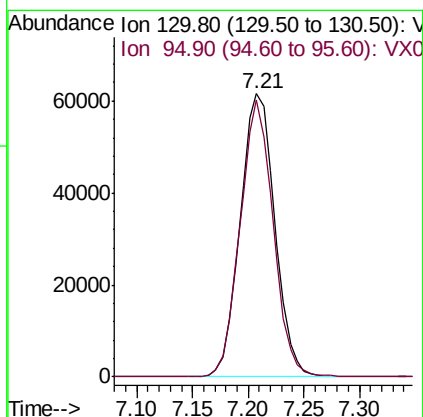
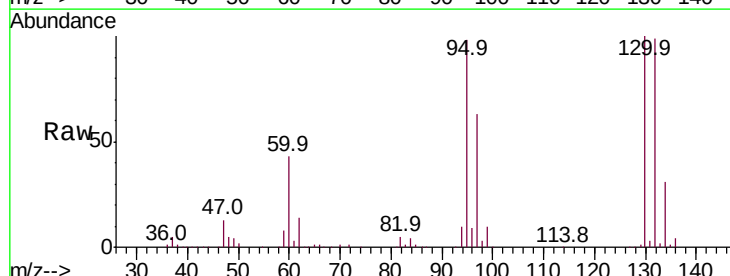
RT: 7.21 min Scan# 993

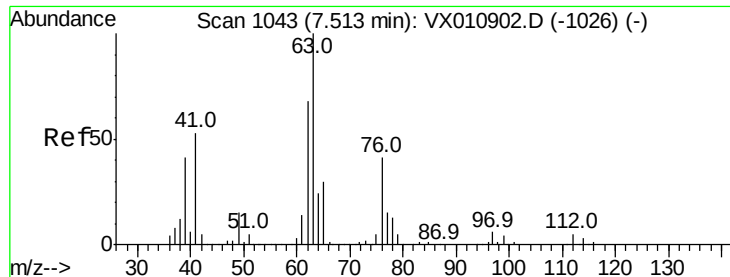
Delta R.T. -0.01 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Tgt Ion:	130	Resp:	133517
Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	174.8





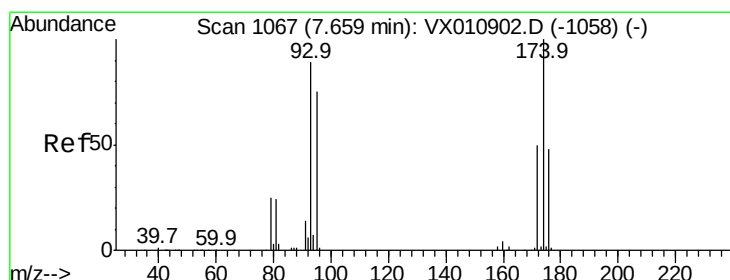
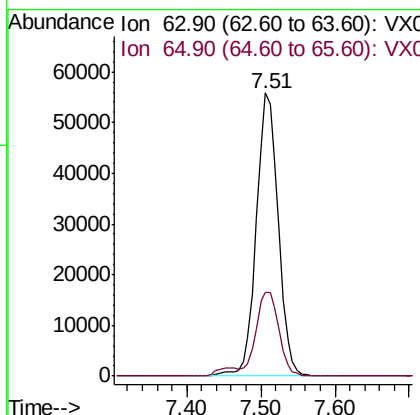
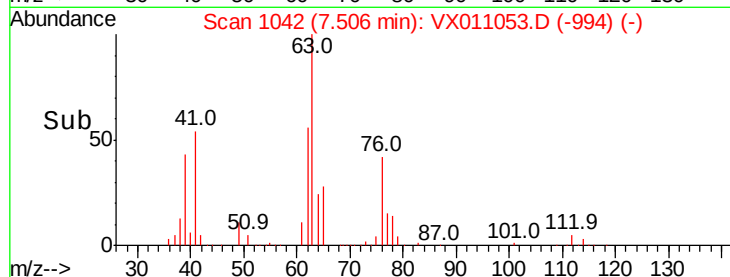
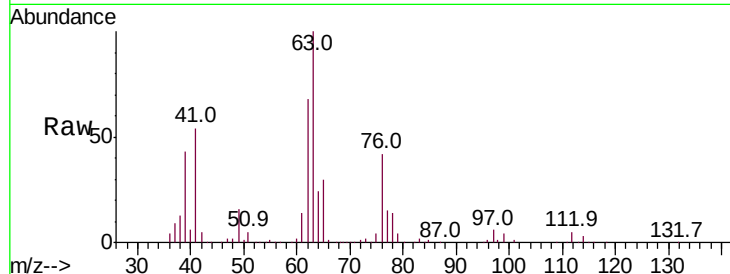
#45
 1,2-Dichloropropane
 Concen: 56.125 ug/l
 RT: 7.51 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: VX011053.D
 Acq: 23 Jul 2019 17:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 116011
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.4 36.6

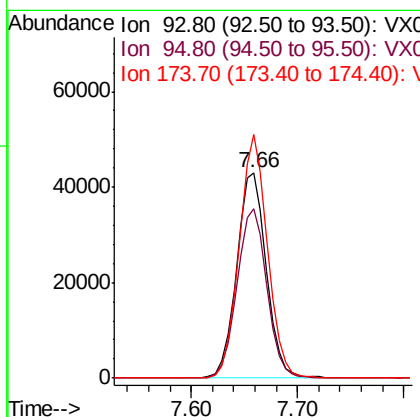
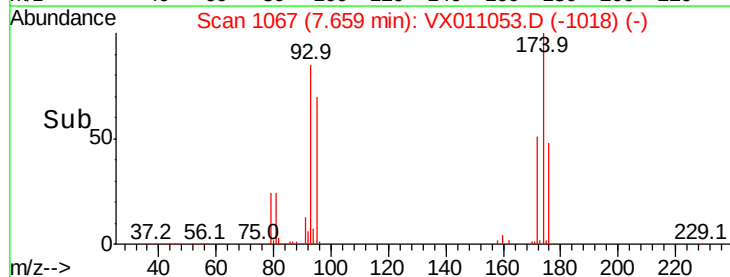
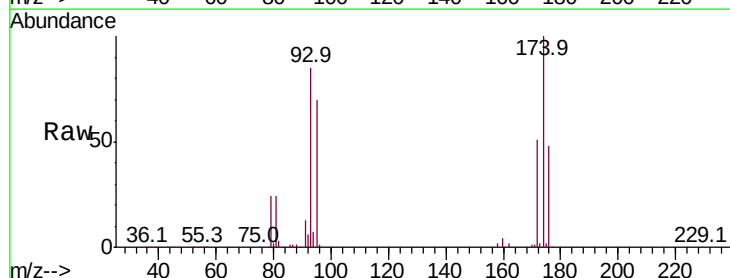
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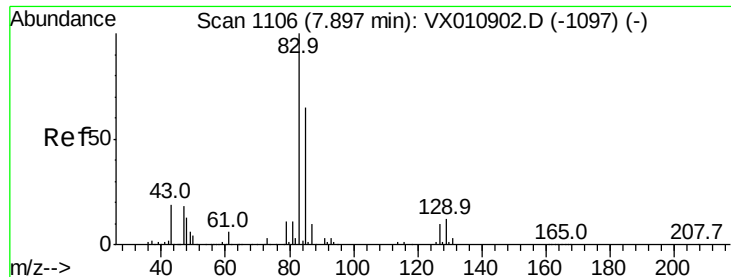
MMDadoda
 7/25/2019 3:07:05 PM



#46
 Dibromomethane
 Concen: 56.757 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX011053.D
 Acq: 23 Jul 2019 17:14

Tgt Ion: 93 Resp: 83830
 Ion Ratio Lower Upper
 93 100
 95 83.1 67.2 100.8
 174 113.3 90.6 135.8





#47

Bromodichloromethane

Concen: 60.455 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Instrument :

MSVOA_X

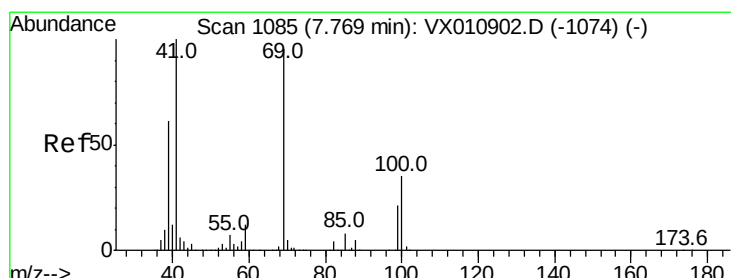
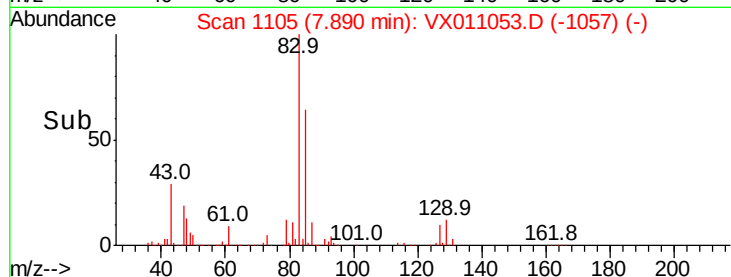
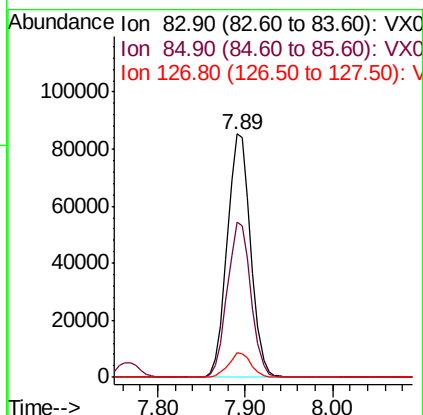
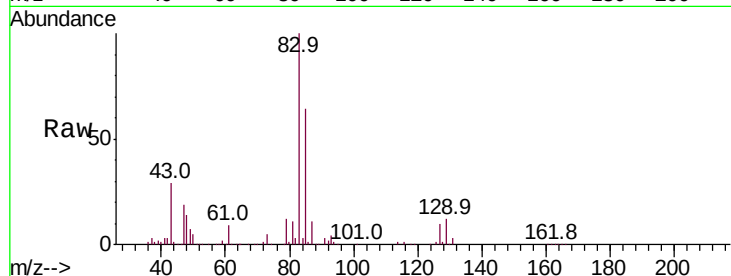
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	158947
Ion Ratio	Lower	Upper	
83	100		
85	63.5	52.5	78.7
127	9.9	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 57.062 ug/l

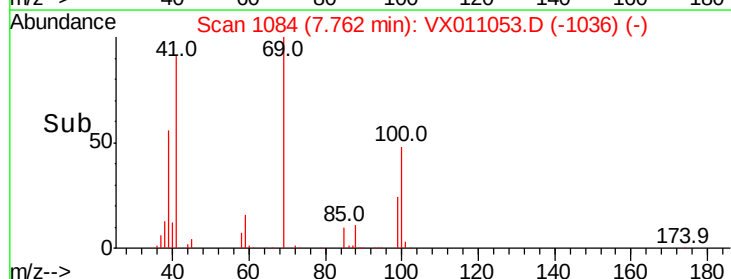
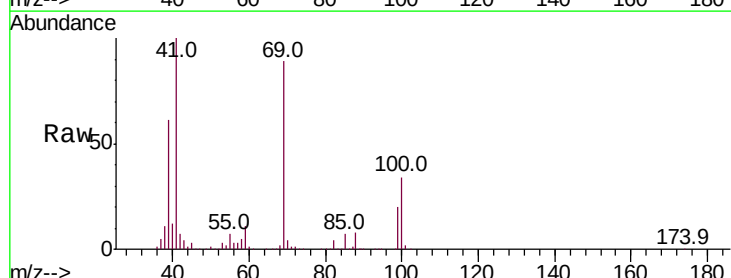
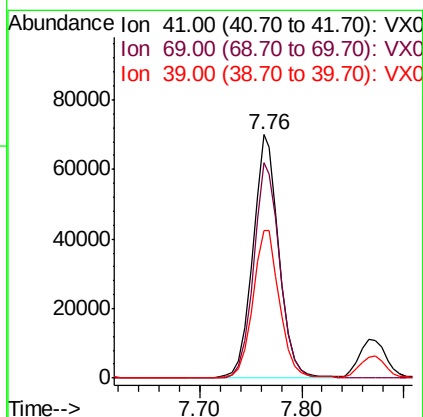
RT: 7.76 min Scan# 1084

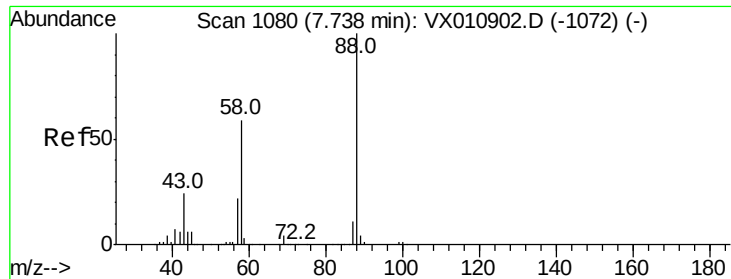
Delta R.T. -0.01 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Tgt Ion:	41	Resp:	124085
Ion Ratio	Lower	Upper	
41	100		
69	89.3	74.4	111.6
39	62.0	48.9	73.3





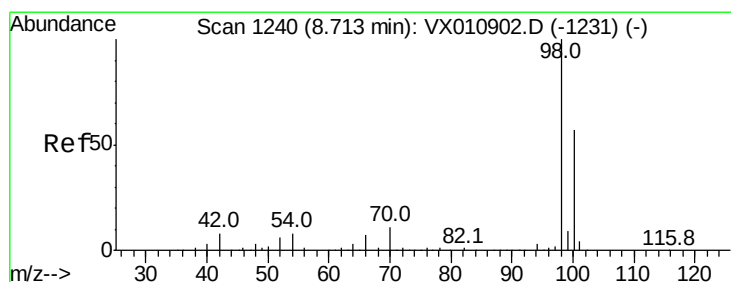
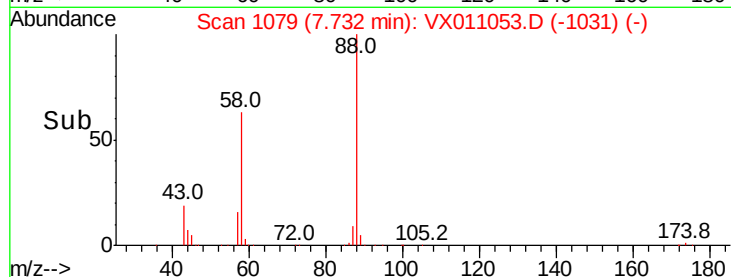
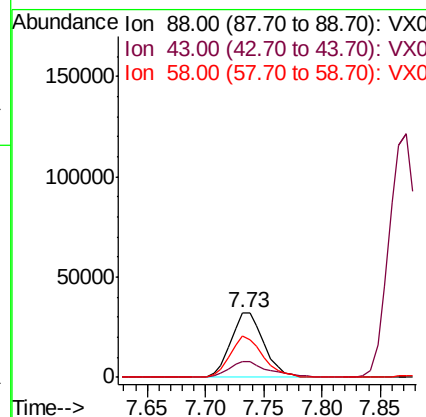
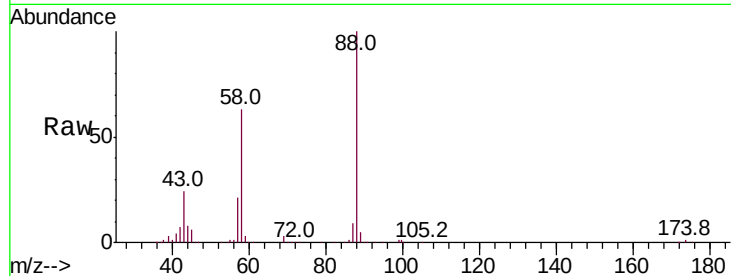
#49
1,4-Dioxane
Concen: 1052.724 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	64035
Ion Ratio	100	Lower	Upper
88	100		
43	28.7	22.9	34.3
58	63.6	49.8	74.8

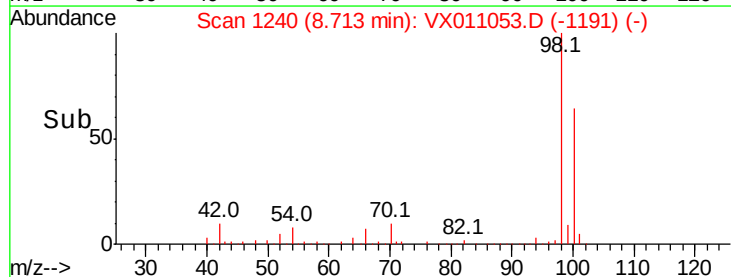
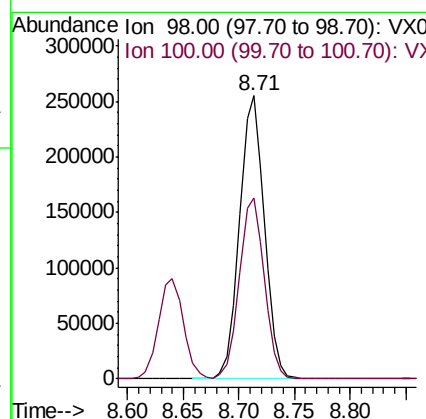
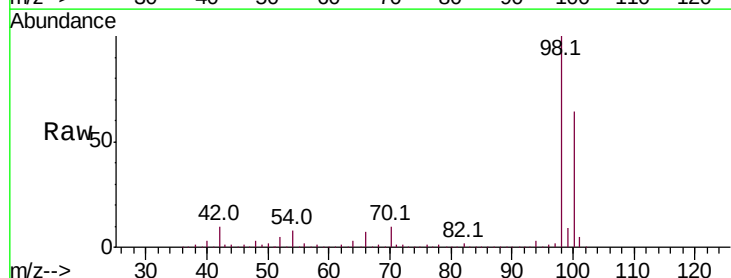
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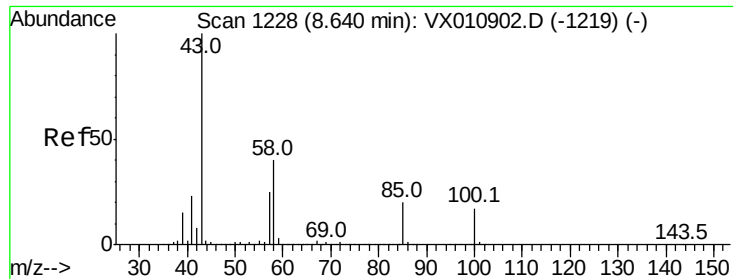
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#50
Toluene-d8
Concen: 51.204 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Tgt Ion	98	Resp	393433
Ion Ratio	100	Lower	Upper
98	100		
100	64.6	50.6	75.8





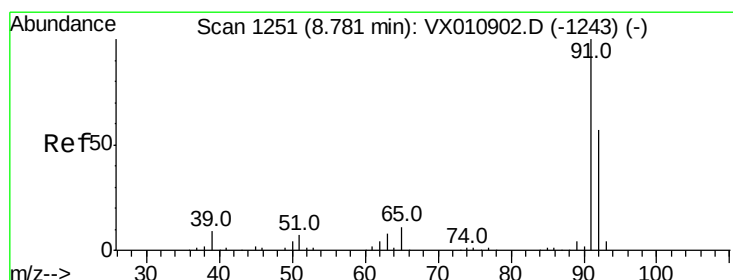
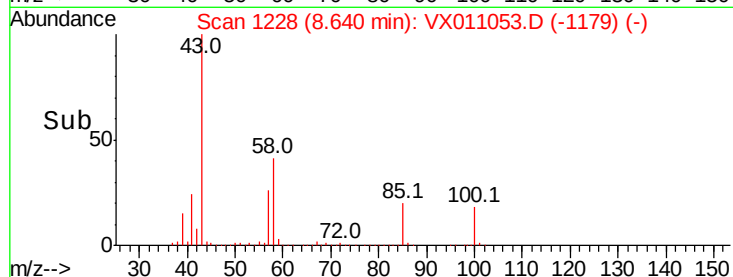
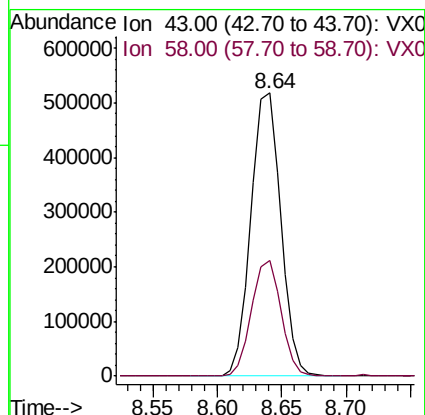
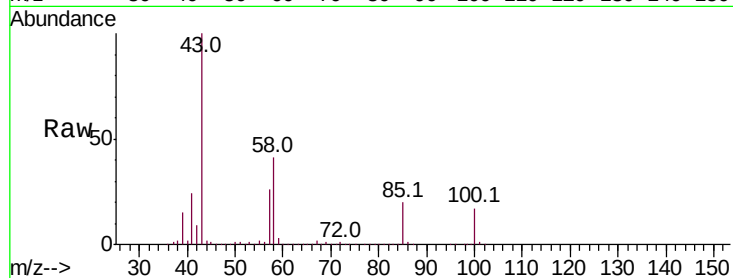
#51
4-Methyl-2-Pentanone
Concen: 286.504 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.4	32.2	48.4

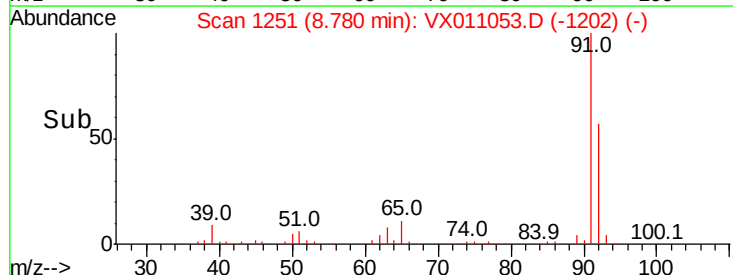
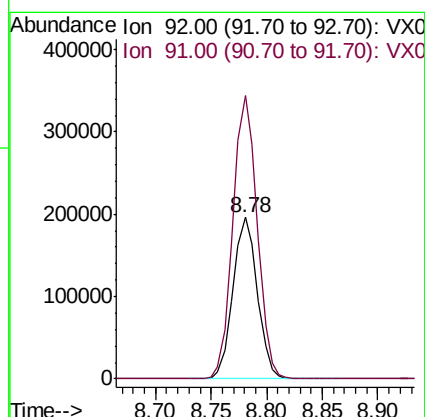
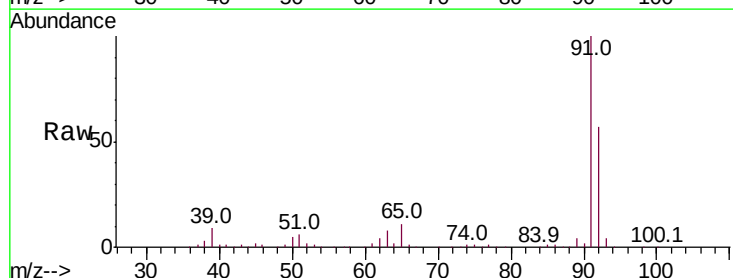
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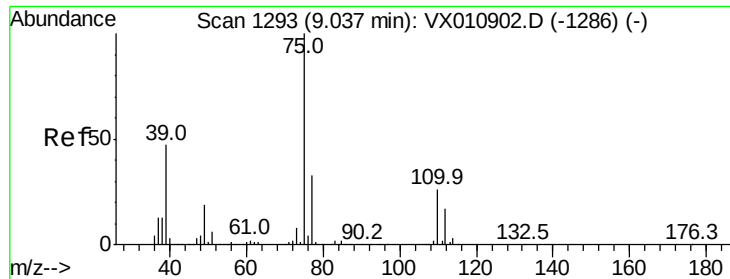
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#52
Toluene
Concen: 55.635 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.4	139.4	209.0





#53

t-1,3-Dichloropropene

Concen: 61.811 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 174743

Ion Ratio Lower Upper

75 100

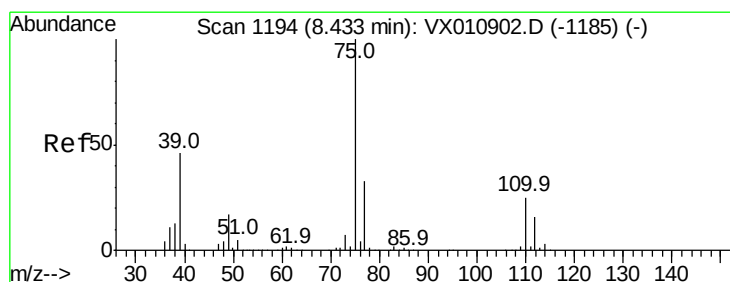
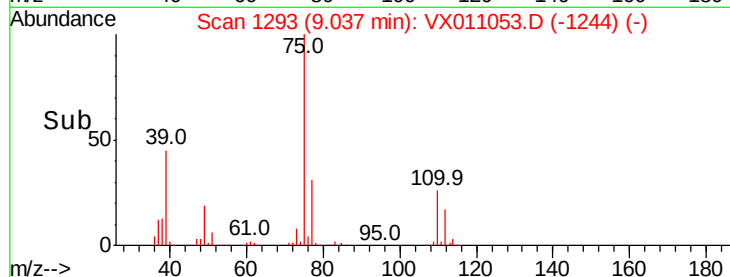
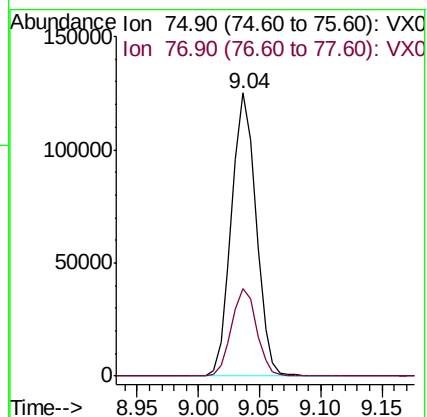
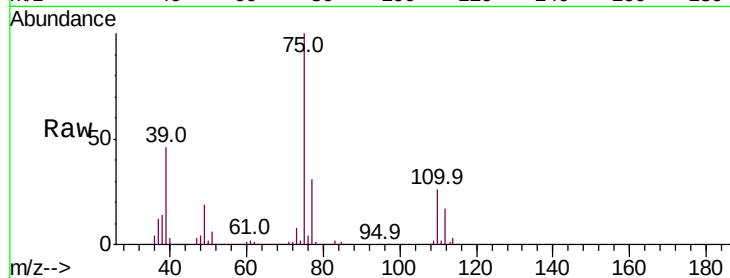
77 30.9 26.2 39.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 60.427 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

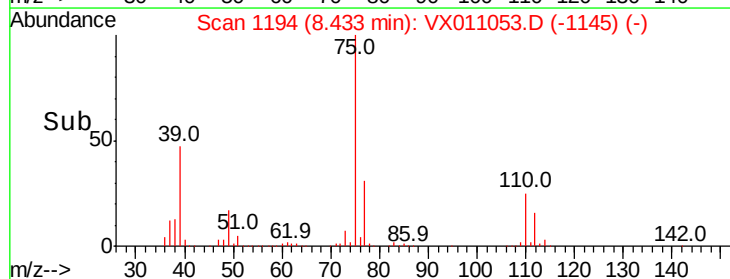
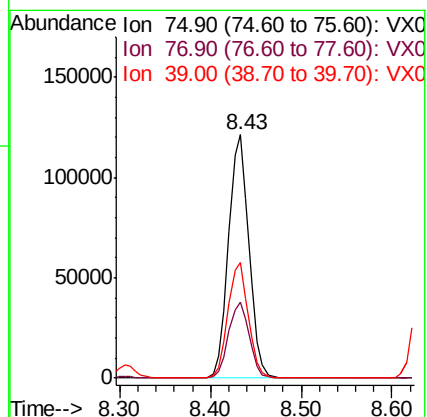
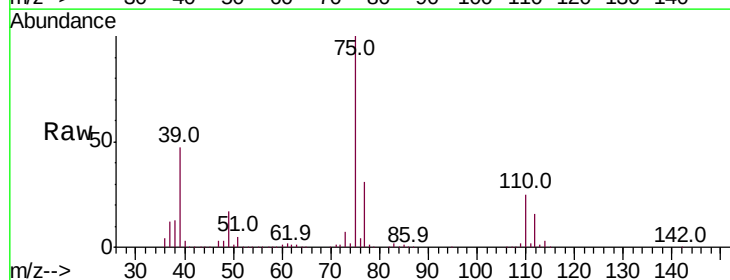
Tgt Ion: 75 Resp: 190088

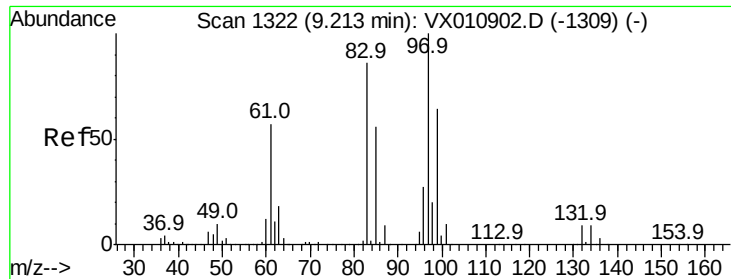
Ion Ratio Lower Upper

75 100

77 31.1 26.1 39.1

39 47.3 36.6 54.8





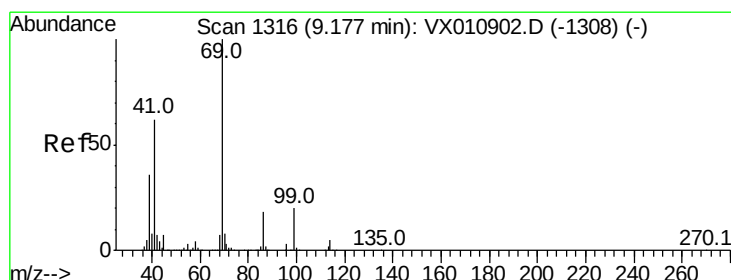
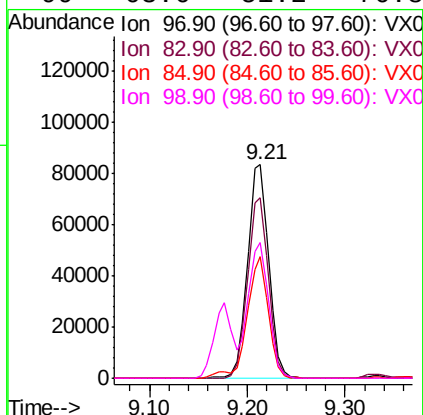
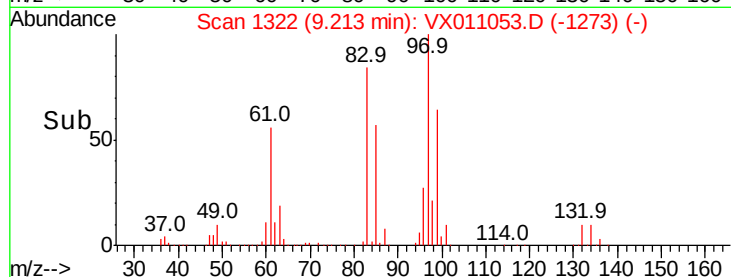
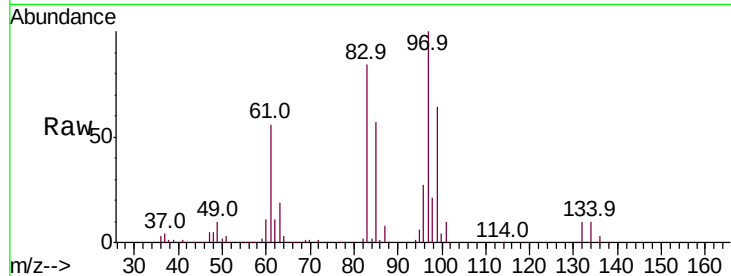
#55
 1,1,2-Trichloroethane
 Concen: 57.077 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX011053.D
 Acq: 23 Jul 2019 17:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	125380
Ion	Ratio	Lower	Upper
97	100		
83	84.3	69.2	103.8
85	57.2	44.6	66.8
99	63.6	51.2	76.8

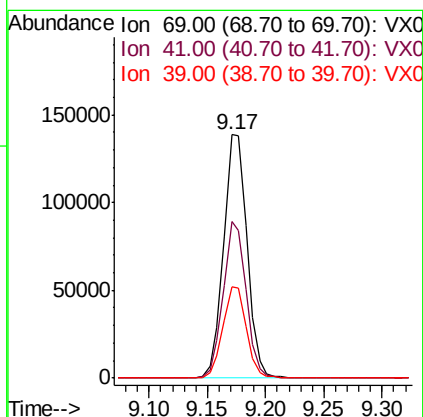
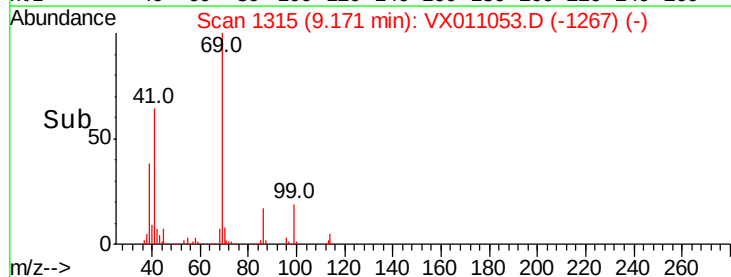
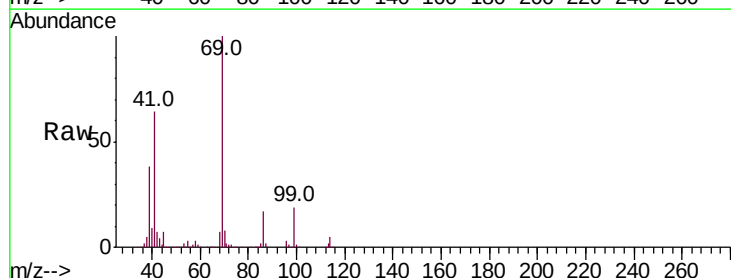
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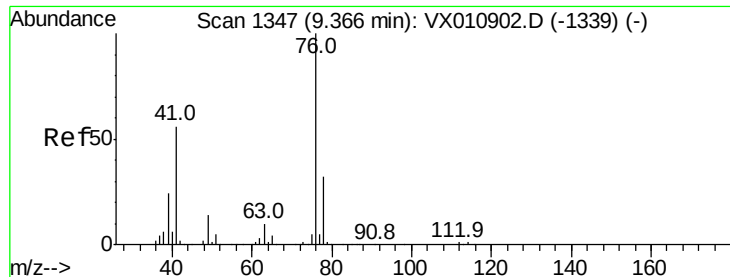
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#56
 Ethyl methacrylate
 Concen: 60.462 ug/l
 RT: 9.17 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VX011053.D
 Acq: 23 Jul 2019 17:14

Tgt Ion	69	Resp	194278
Ion	Ratio	Lower	Upper
69	100		
41	62.1	49.7	74.5
39	37.3	29.6	44.4





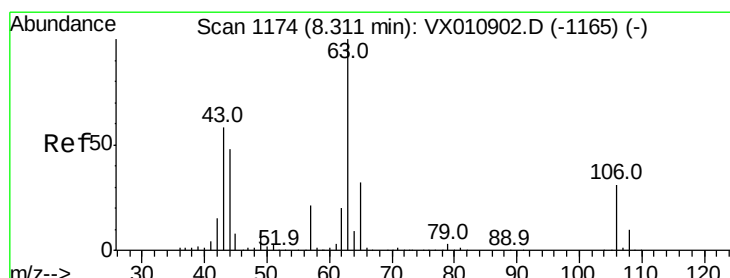
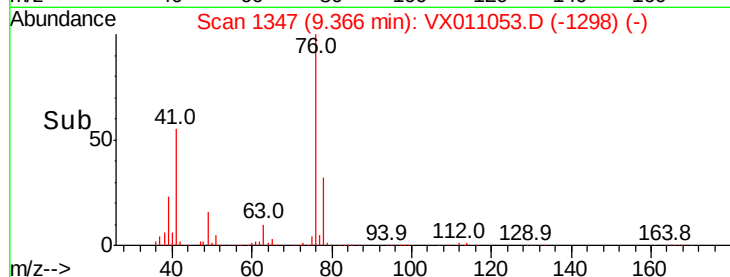
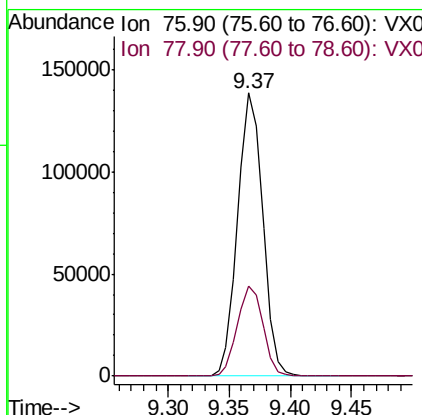
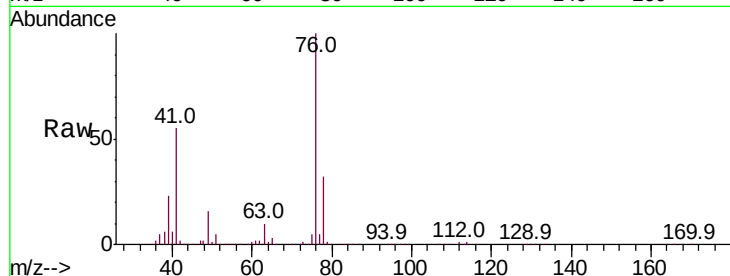
#57
 1,3-Dichloropropane
 Concen: 56.600 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: VX011053.D
 Acq: 23 Jul 2019 17:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.6	38.4

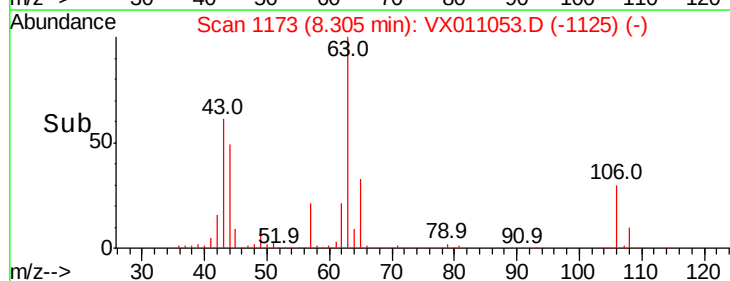
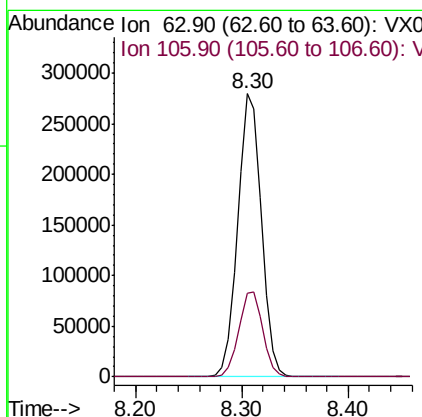
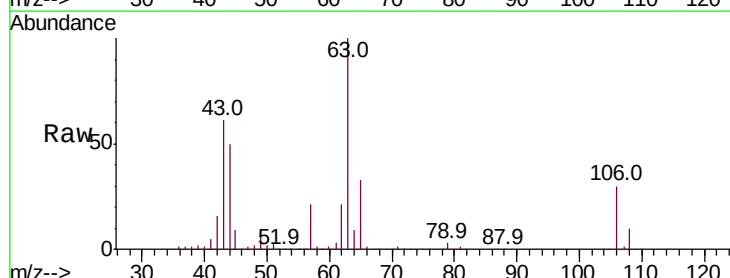
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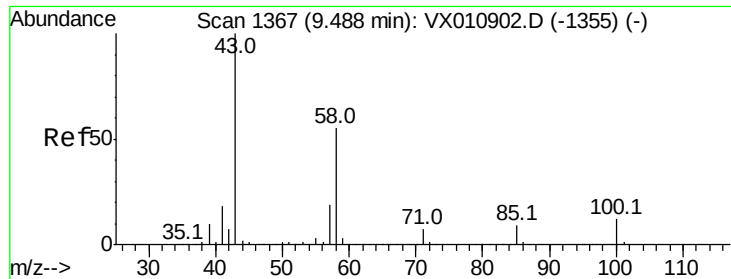
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#58
 2-Chloroethyl Vinyl ether
 Concen: 284.154 ug/l
 RT: 8.30 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: VX011053.D
 Acq: 23 Jul 2019 17:14

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.4	24.0	36.0





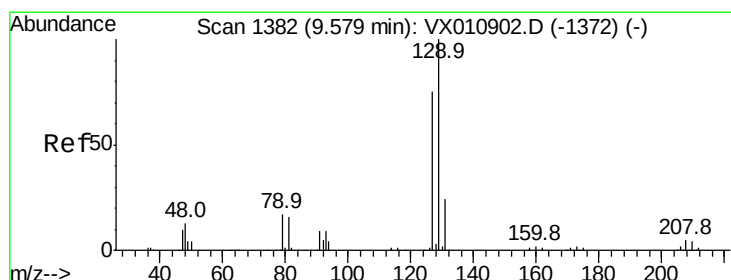
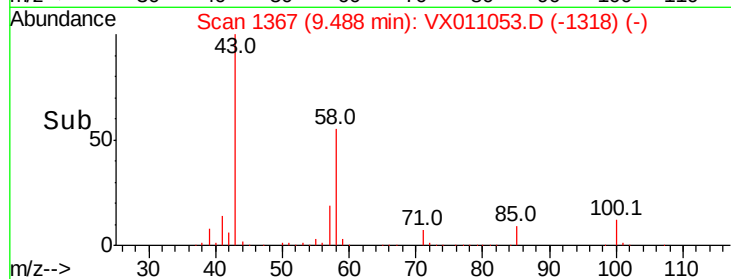
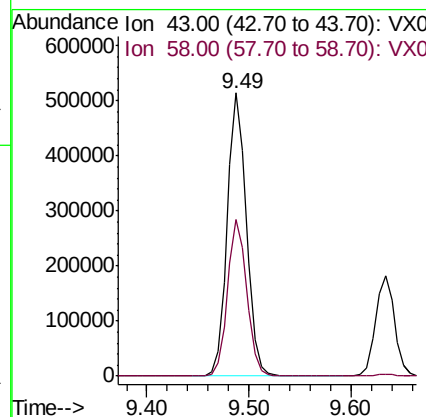
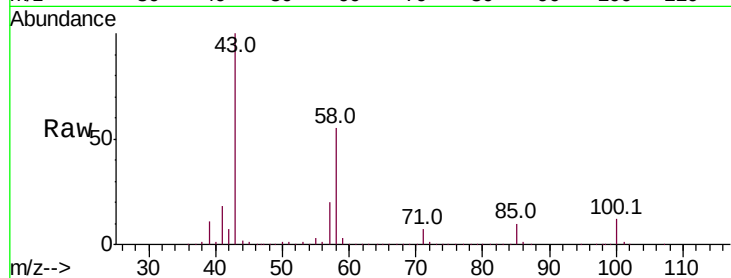
#59
2-Hexanone
Concen: 299.020 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 671110
Ion Ratio Lower Upper
43 100
58 55.5 28.0 83.9

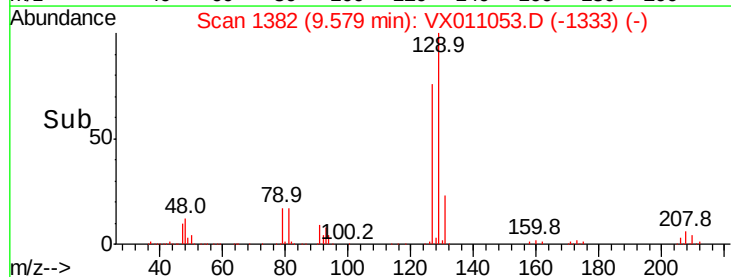
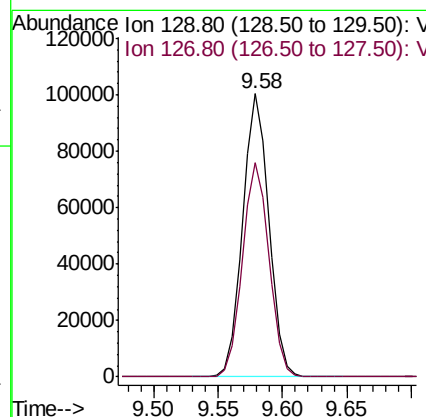
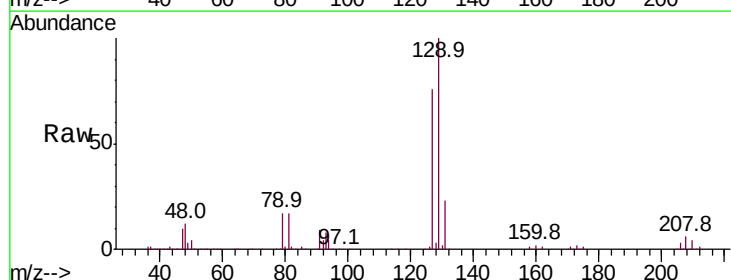
Manual Integrations
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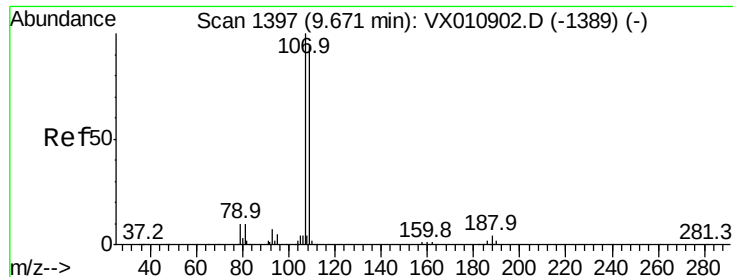
MMDadoda
7/25/2019 3:07:05 PM



#60
Dibromochloromethane
Concen: 55.434 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Tgt Ion: 129 Resp: 140875
Ion Ratio Lower Upper
129 100
127 76.7 38.6 115.8





#61

1,2-Dibromoethane

Concen: 58.402 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 136150

Ion Ratio Lower Upper

107 100

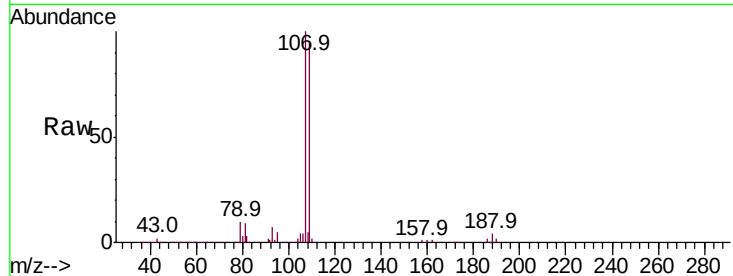
109 93.7 75.4 113.0

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

100000

80000

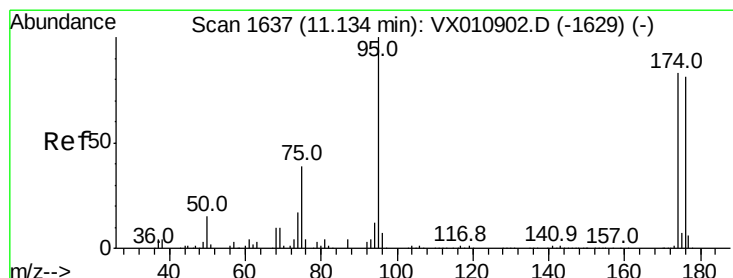
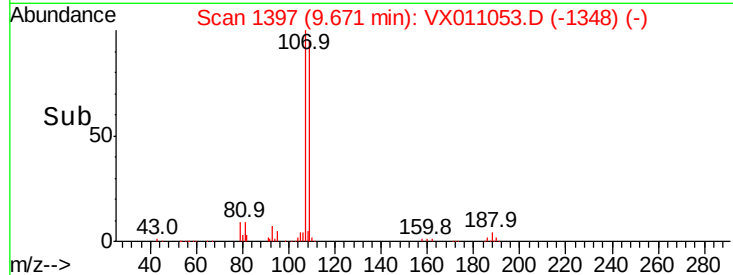
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 55.269 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

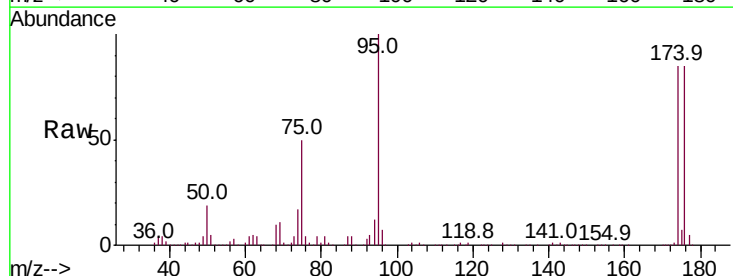
Tgt Ion: 95 Resp: 156095

Ion Ratio Lower Upper

95 100

174 89.0 0.0 180.6

176 86.6 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

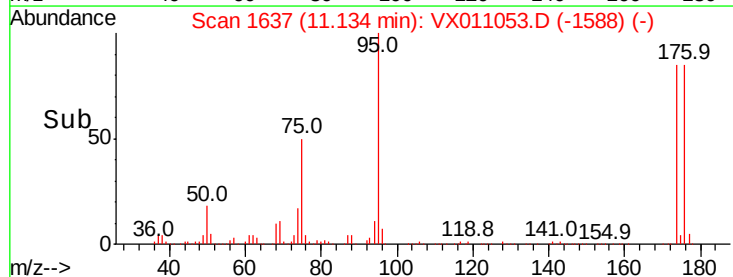
150000

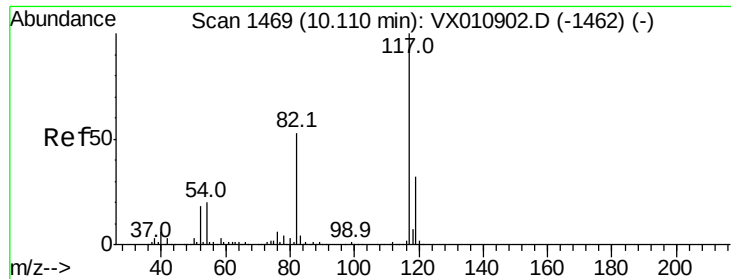
100000

50000

0

Time-->





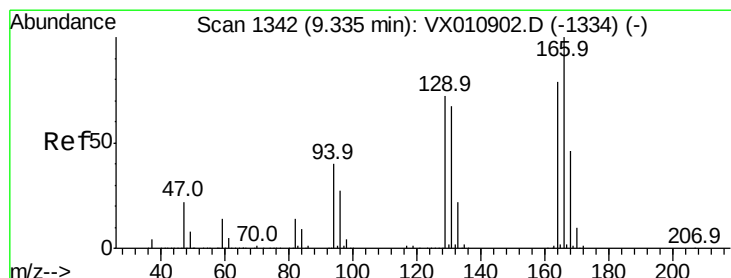
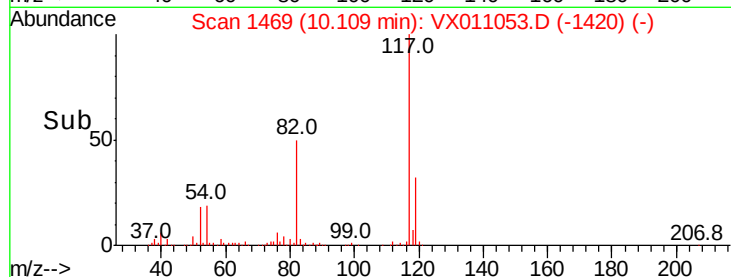
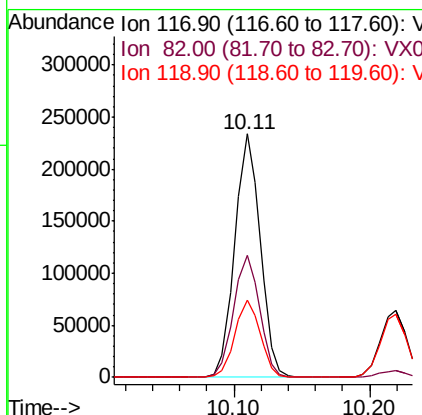
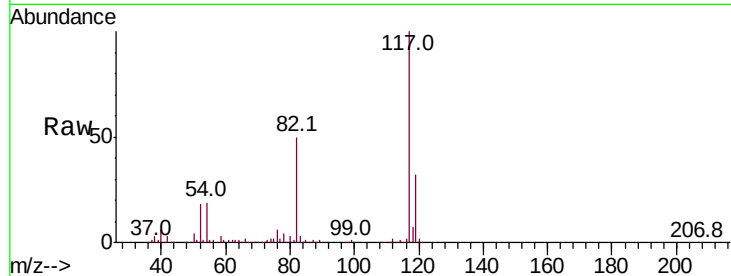
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.3	42.6	63.8
119	31.8	25.9	38.9

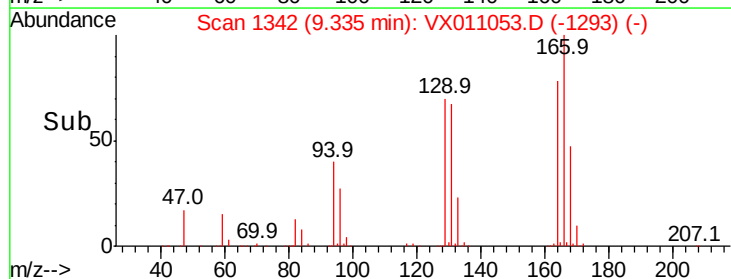
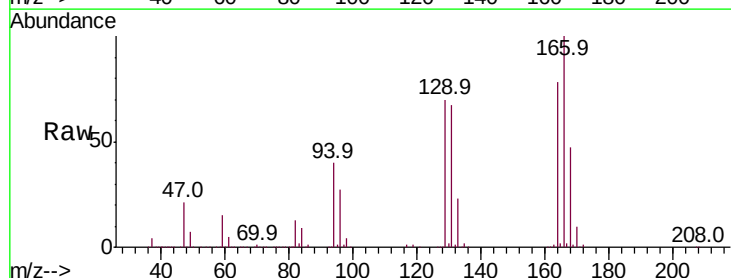
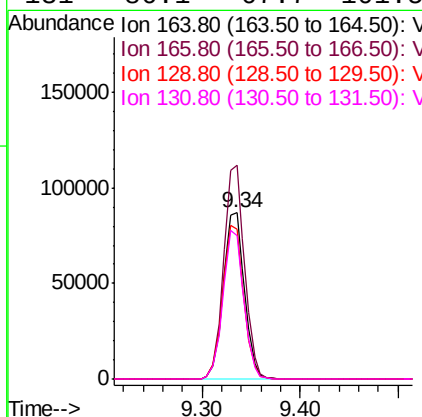
Manual Integrations
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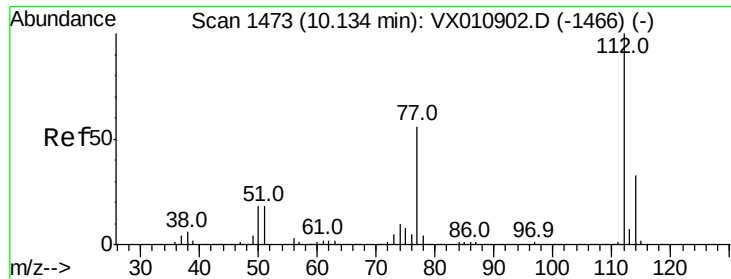
MMDadoda
7/25/2019 3:07:05 PM



#64
Tetrachloroethene
Concen: 54.303 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.7	100.8	151.2
129	90.5	72.6	109.0
131	86.1	67.7	101.5





#65

Chlorobenzene

Concen: 55.113 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 344760

Ion Ratio Lower Upper

112 100

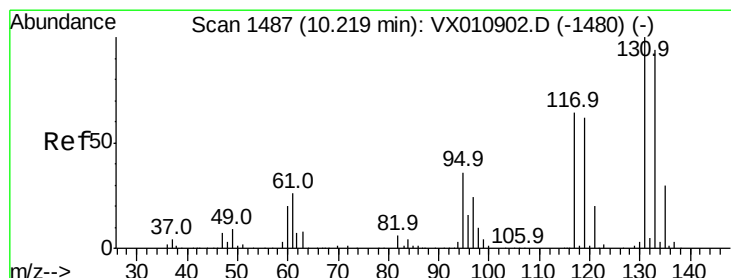
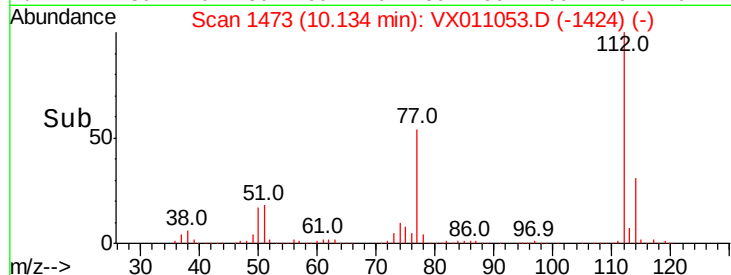
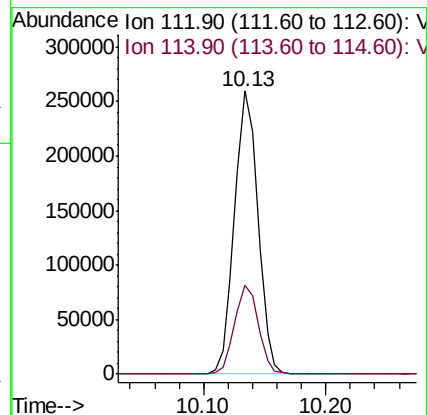
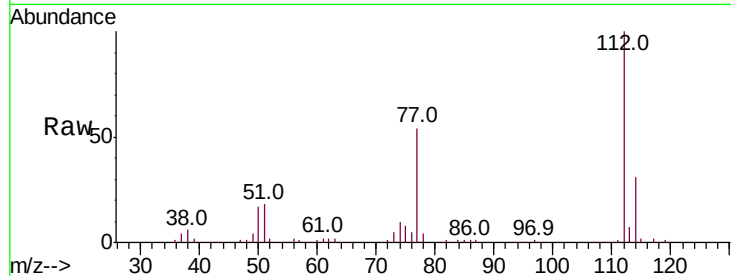
114 31.2 26.2 39.4

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 58.506 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

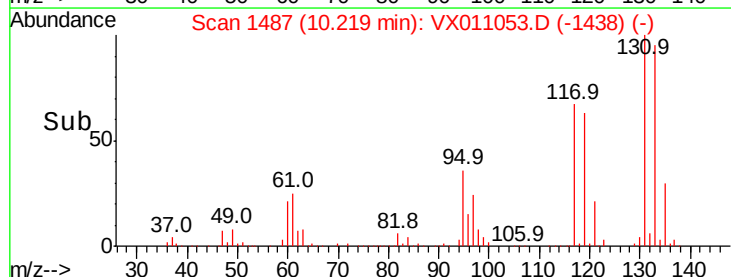
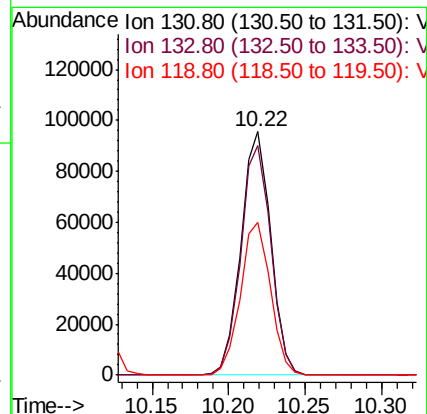
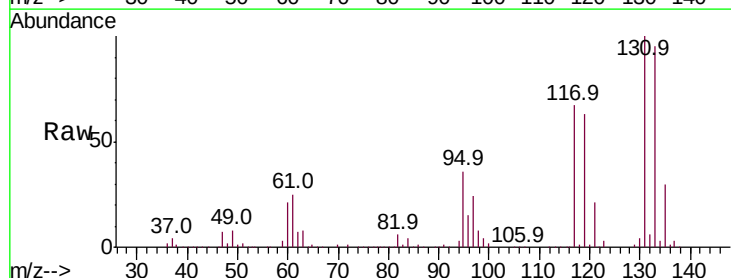
Tgt Ion:131 Resp: 128626

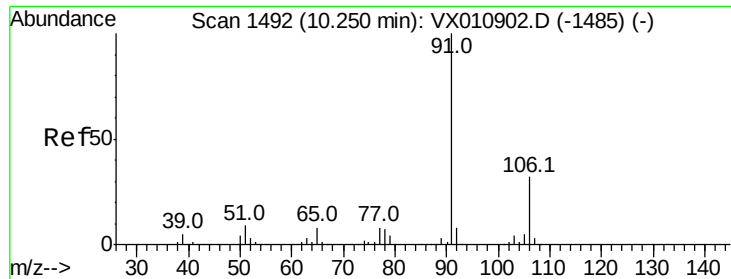
Ion Ratio Lower Upper

131 100

133 95.6 47.1 141.4

119 63.7 31.9 95.7





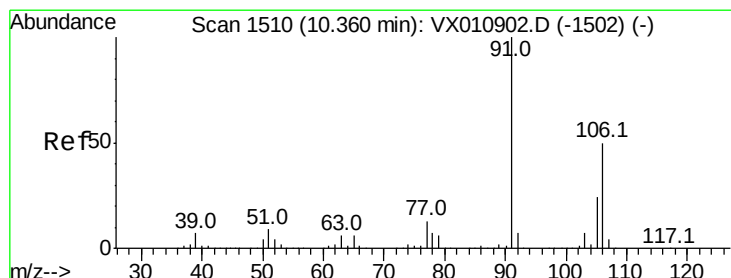
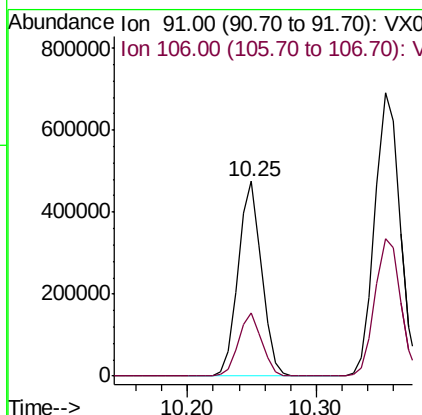
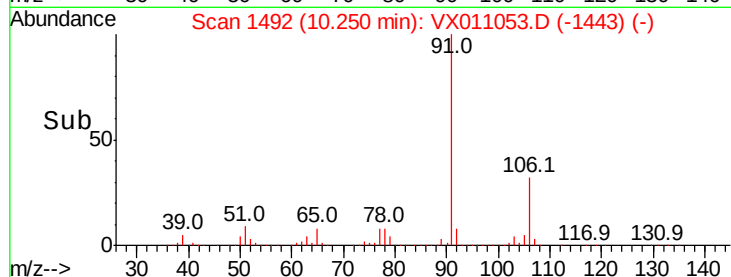
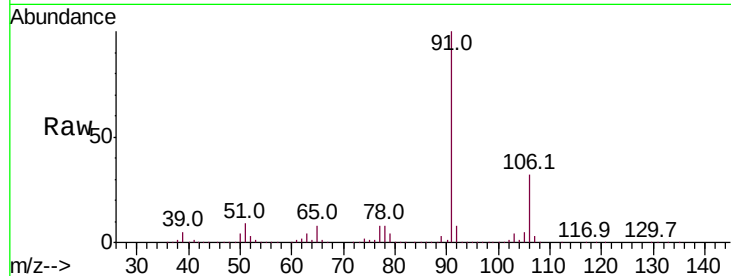
#67
Ethyl Benzene
Concen: 56.362 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 600123
Ion Ratio Lower Upper
91 100
106 32.3 25.4 38.2

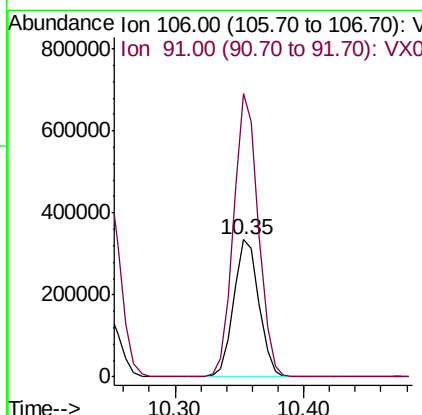
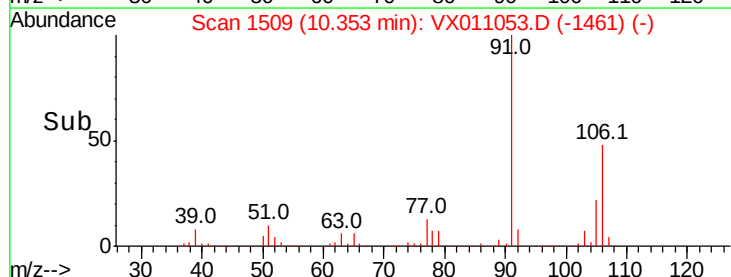
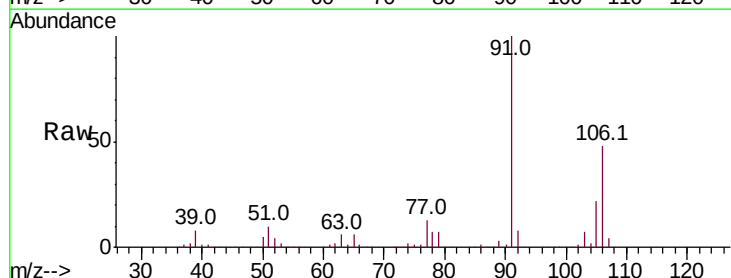
Manual Integrations
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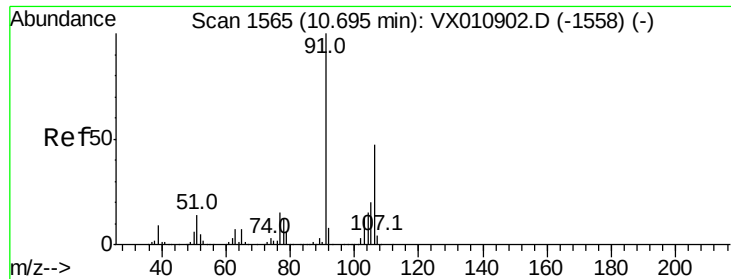
MMDadoda
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#68
m/p-Xylenes
Concen: 112.347 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Tgt Ion: 106 Resp: 458862
Ion Ratio Lower Upper
106 100
91 201.3 160.1 240.1





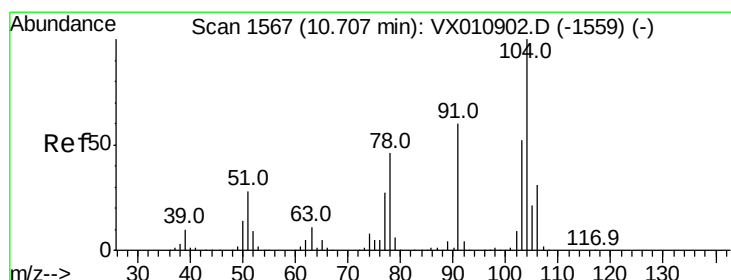
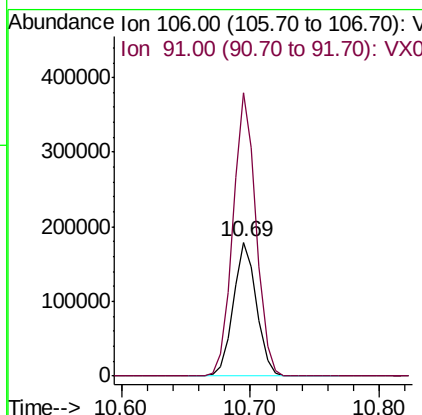
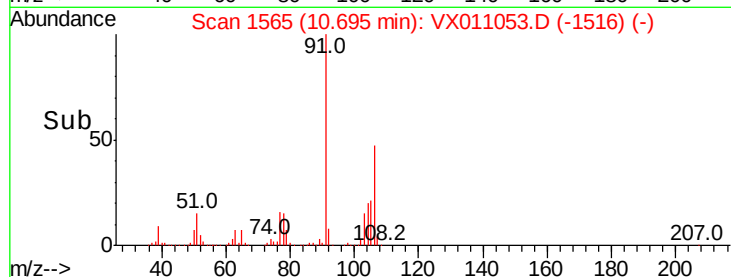
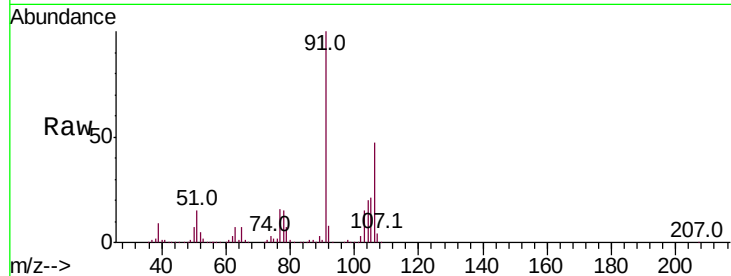
#69
o-Xylene
Concen: 56.456 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 225041
Ion Ratio Lower Upper
106 100
91 210.1 105.1 315.3

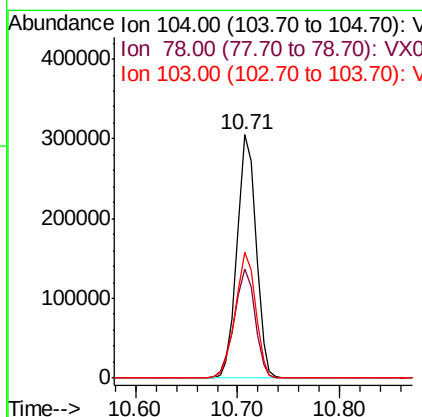
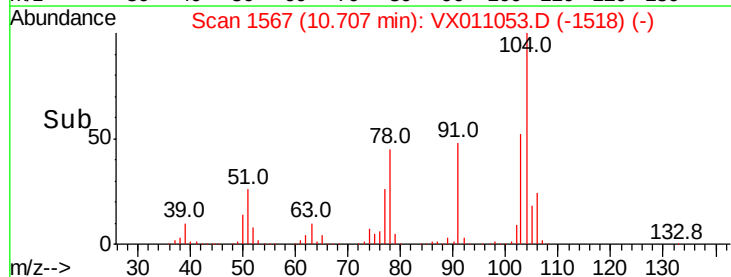
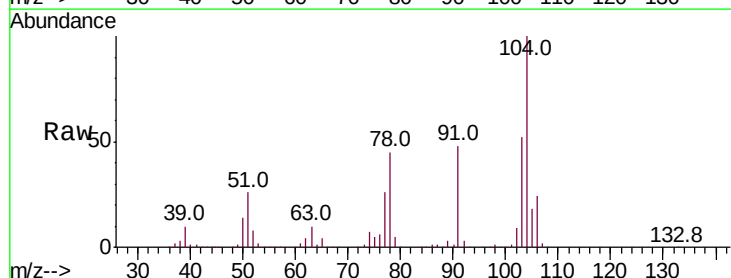
Manual Integrations
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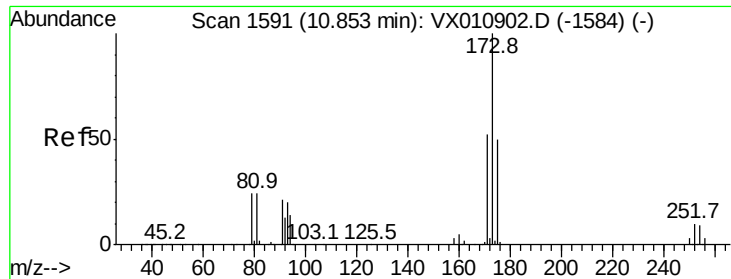
MMDadoda
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#70
Styrene
Concen: 58.825 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Tgt Ion:104 Resp: 390884
Ion Ratio Lower Upper
104 100
78 49.3 38.8 58.2
103 55.6 44.2 66.4





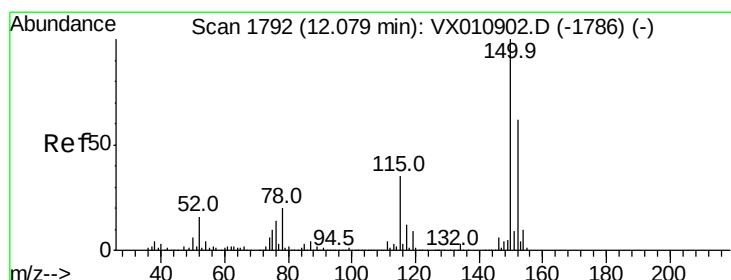
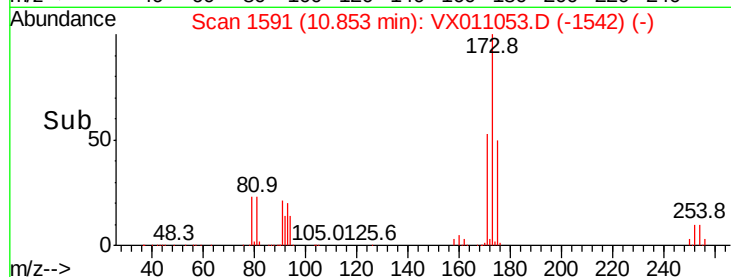
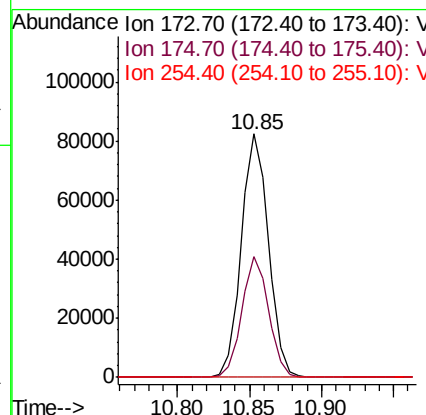
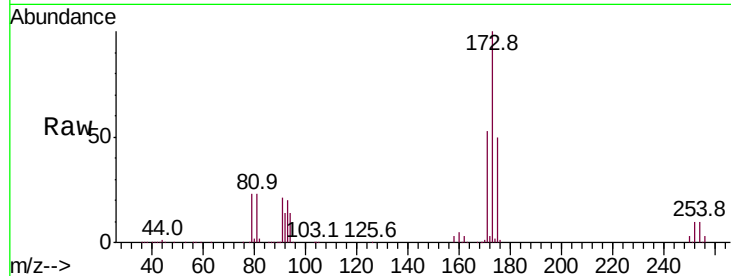
#71
Bromoform
Concen: 53.833 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.6	73.6
254	0.1	0.1	0.1#

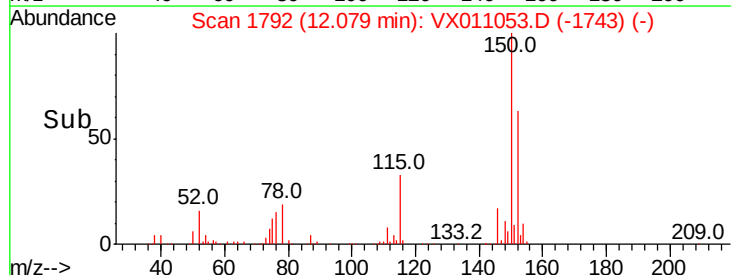
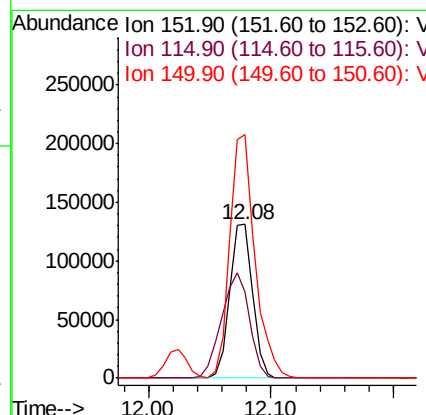
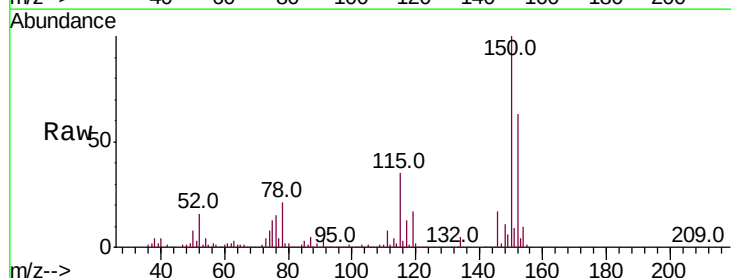
Manual Integrations
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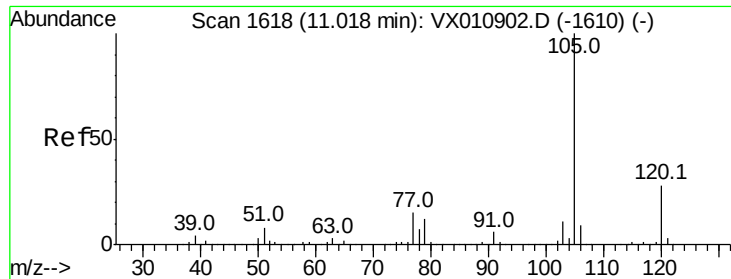
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	84.3	39.7	119.1
150	174.4	0.0	345.6





#73

Isopropylbenzene

Concen: 54.238 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 616833

Ion Ratio Lower Upper

105 100

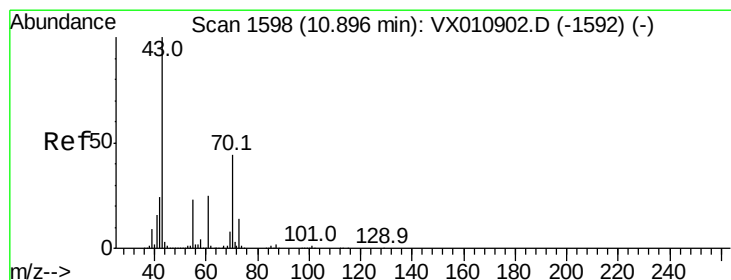
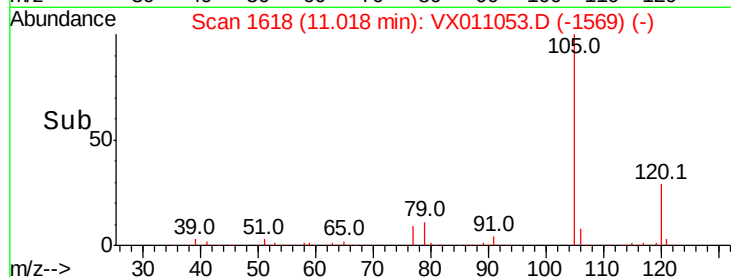
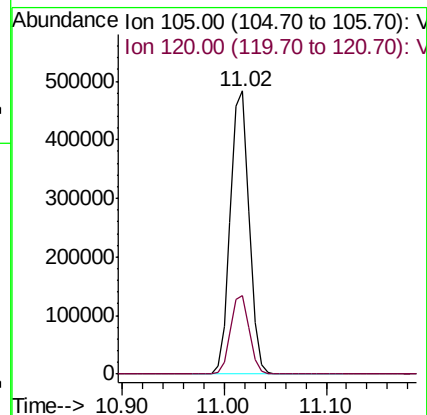
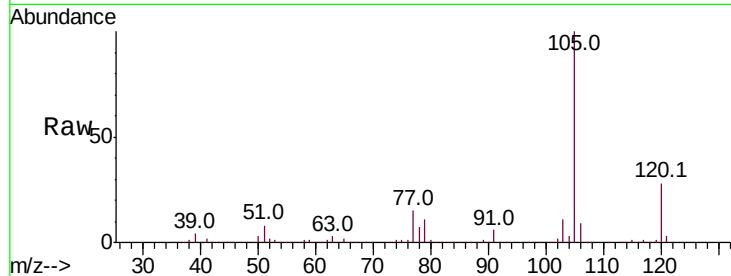
120 27.6 13.7 41.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 55.474 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Tgt Ion: 43 Resp: 241057

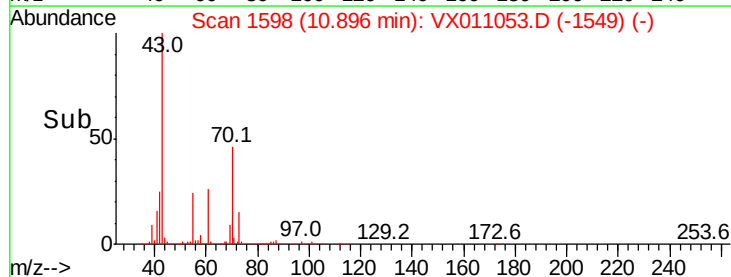
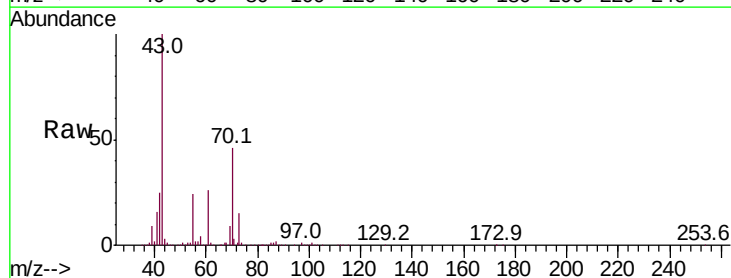
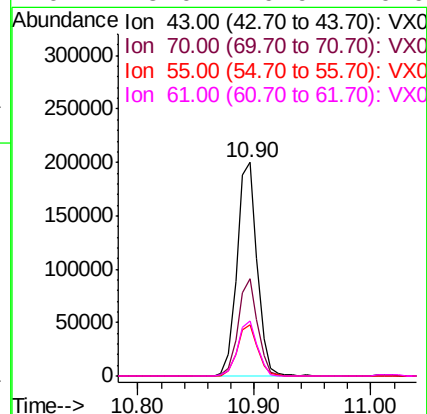
Ion Ratio Lower Upper

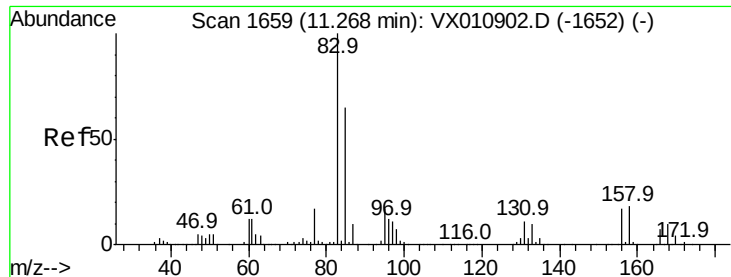
43 100

70 44.0 34.7 52.1

55 24.0 19.1 28.7

61 25.0 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 53.154 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Instrument :

MSVOA_X

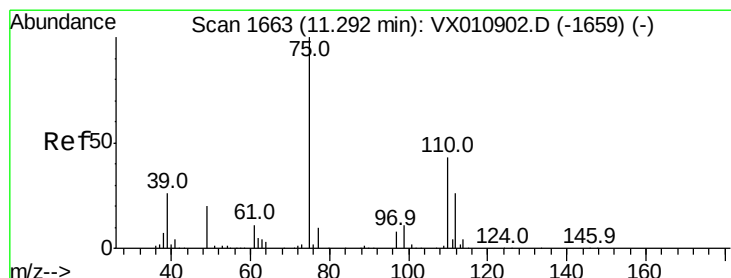
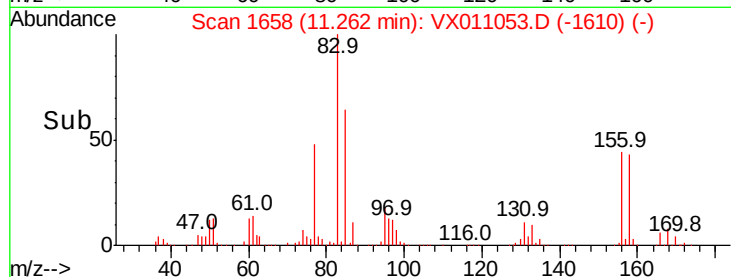
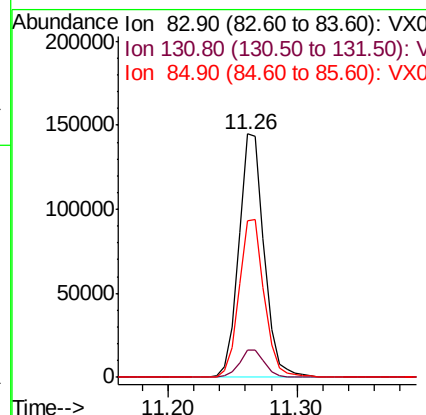
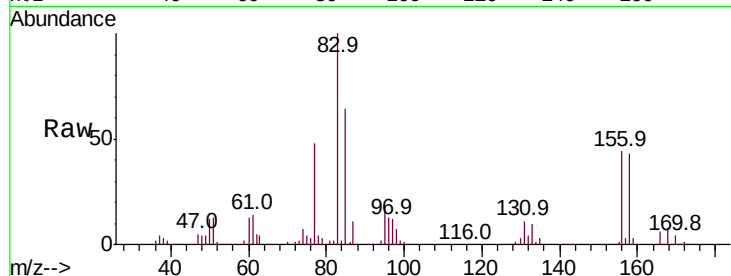
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	197826
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.5	16.4
85	65.1	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 56.322 ug/l m

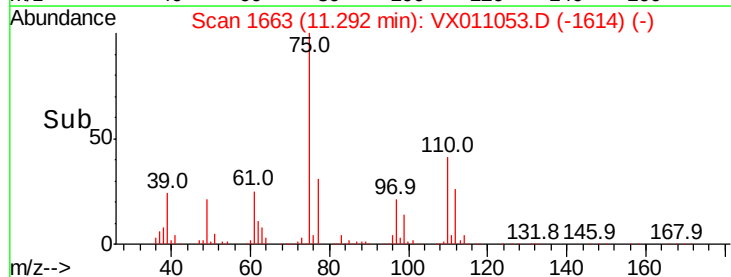
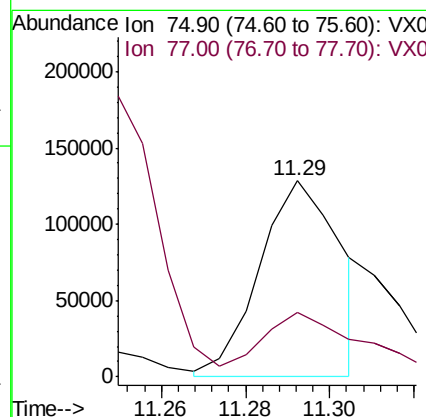
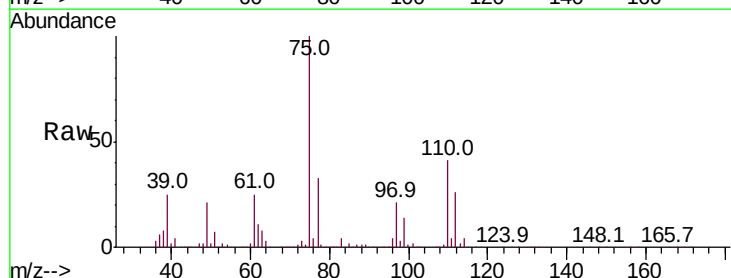
RT: 11.29 min Scan# 1663

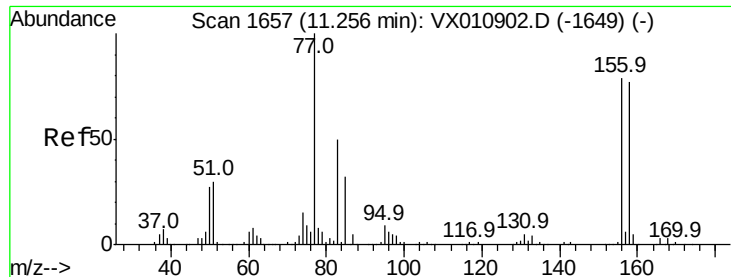
Delta R.T. -0.00 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Tgt Ion:	75	Resp:	171064
Ion Ratio	Lower	Upper	
75	100		
77	41.4	21.3	64.0





#77

Bromobenzene

Concen: 53.390 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Instrument :

MSVOA_X

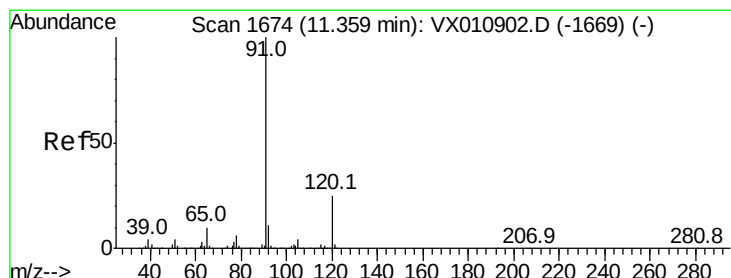
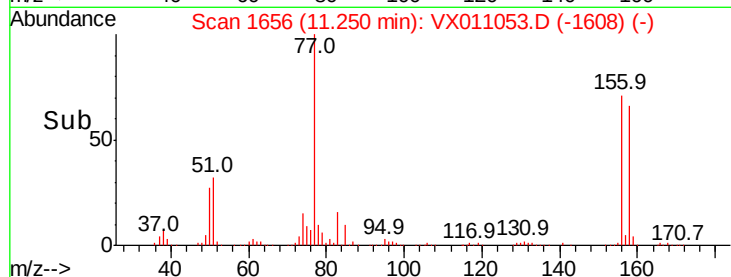
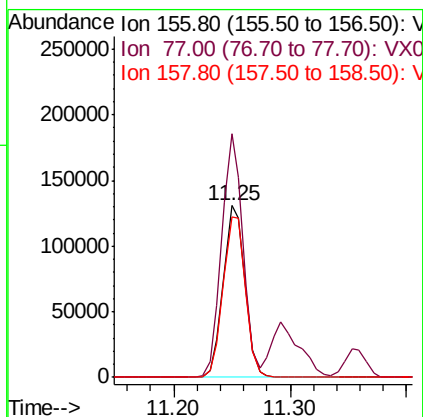
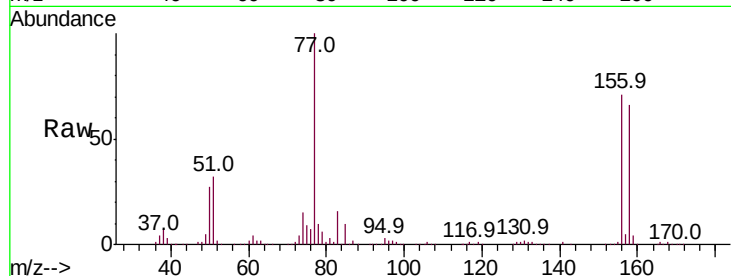
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	167485
Ion Ratio	Lower	Upper	
156	100		
77	138.9	68.7	206.1
158	96.4	47.9	143.7

Manual Integrations
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#78

n-propylbenzene

Concen: 56.336 ug/l

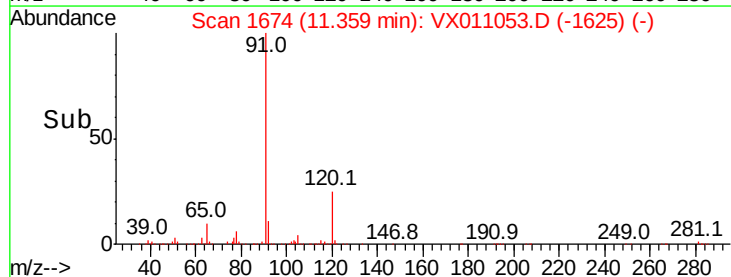
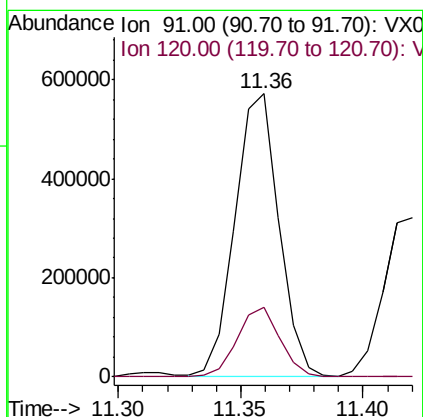
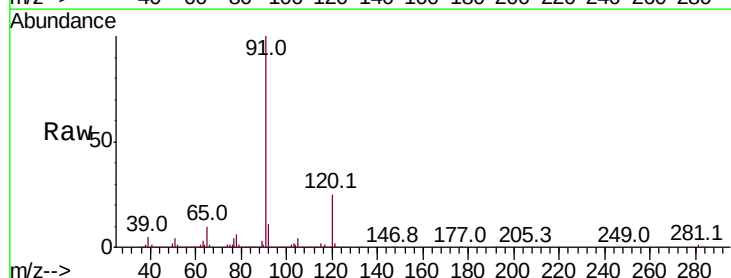
RT: 11.36 min Scan# 1674

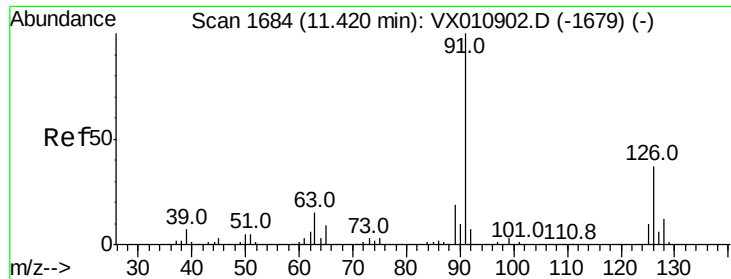
Delta R.T. -0.00 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Tgt Ion:	91	Resp:	707915
Ion Ratio	Lower	Upper	
91	100		
120	24.1	12.3	36.8





#79

2-Chlorotoluene

Concen: 54.922 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 414584

Ion Ratio Lower Upper

91 100

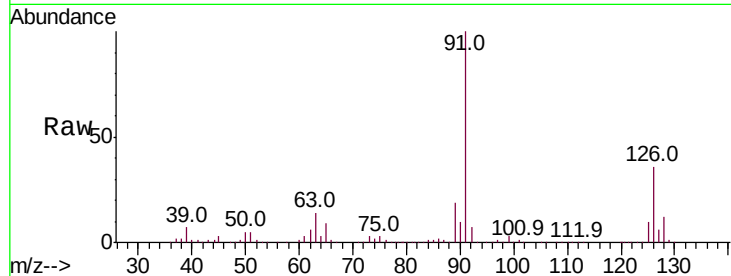
126 35.9 18.0 54.0

Manual Integrations

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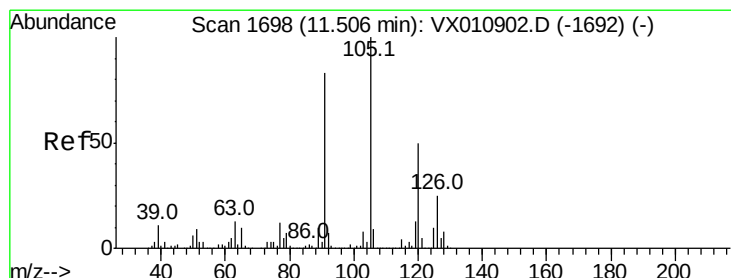
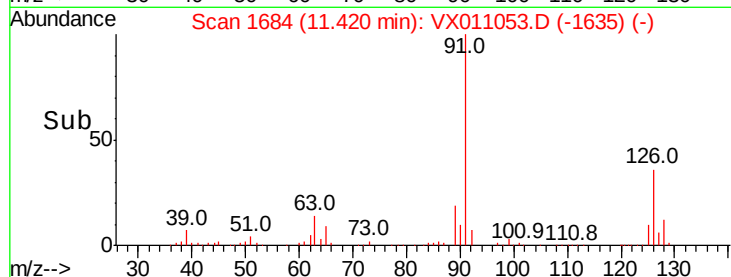
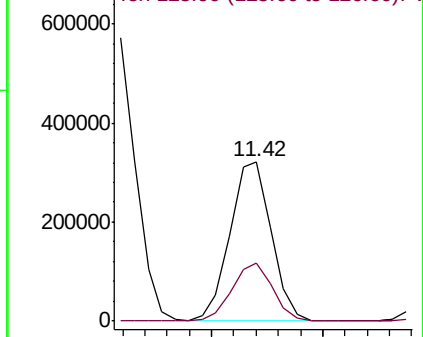
MMDadoda

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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: 56.207 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011053.D

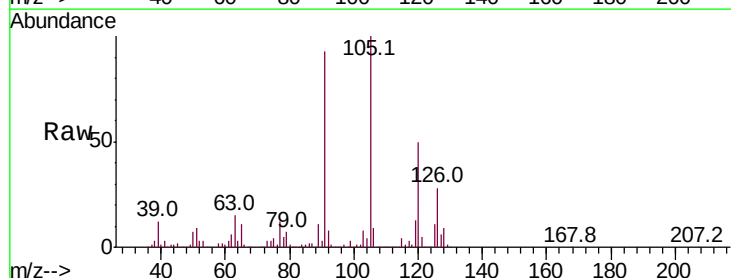
Acq: 23 Jul 2019 17:14

Tgt Ion:105 Resp: 534134

Ion Ratio Lower Upper

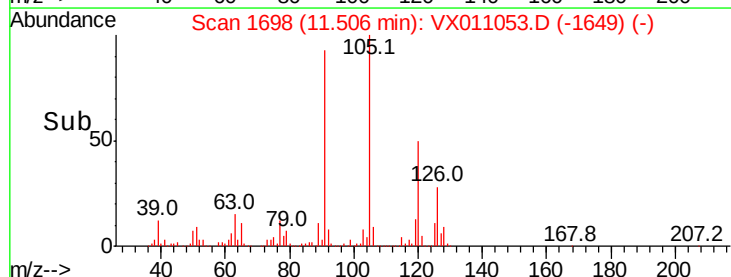
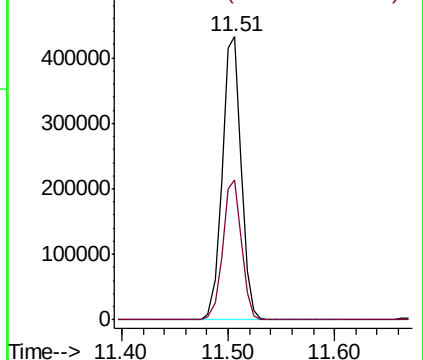
105 100

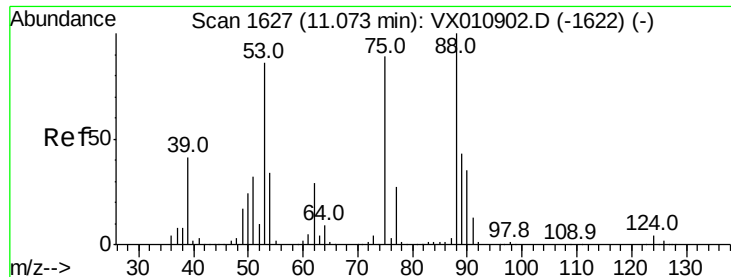
120 49.1 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





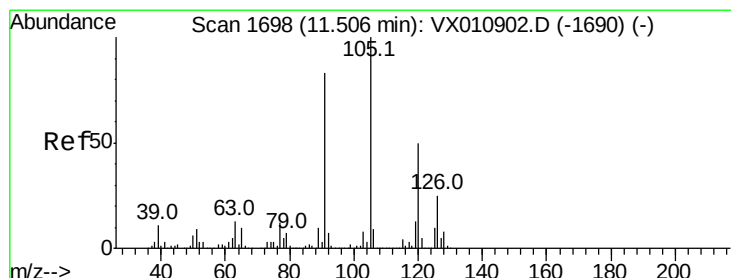
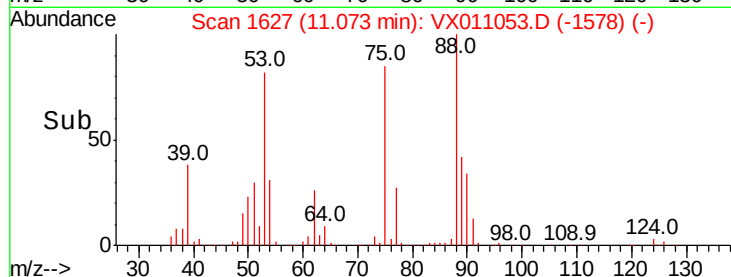
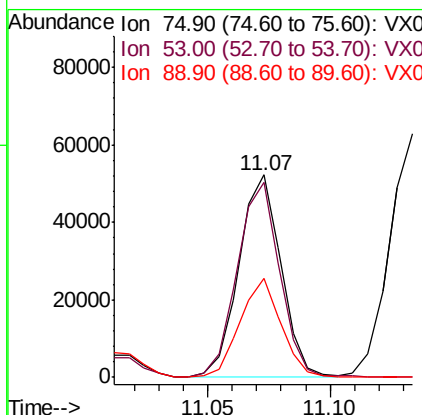
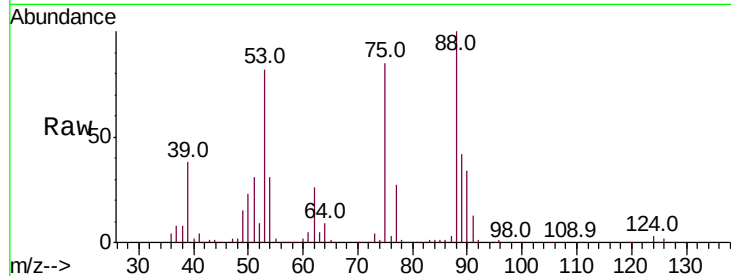
#81
trans-1,4-Dichloro-2-butene
Concen: 51.933 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.0	76.7	115.1
89	47.7	38.5	57.7

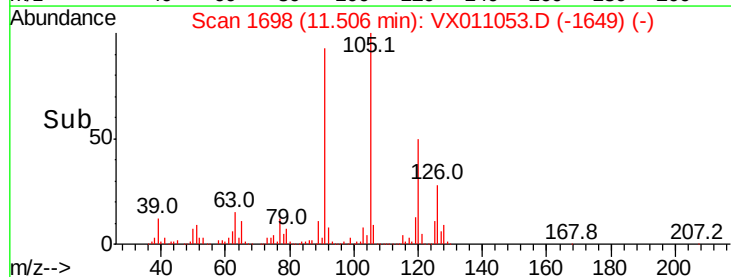
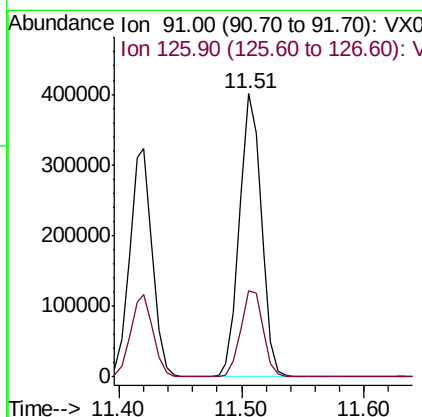
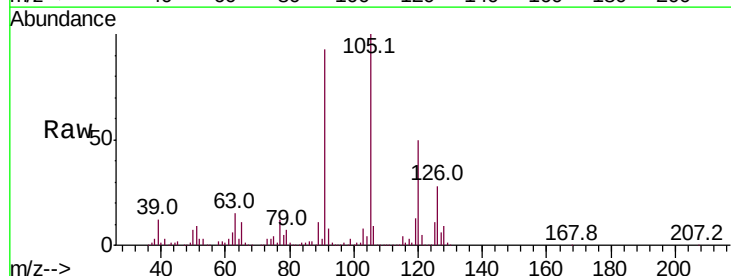
Manual Integrations
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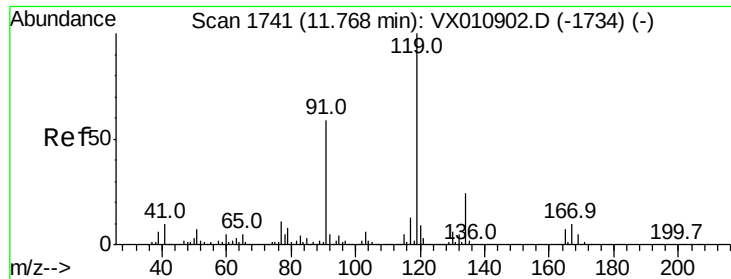
MMDadoda
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#82
4-Chlorotoluene
Concen: 56.285 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.9	47.7





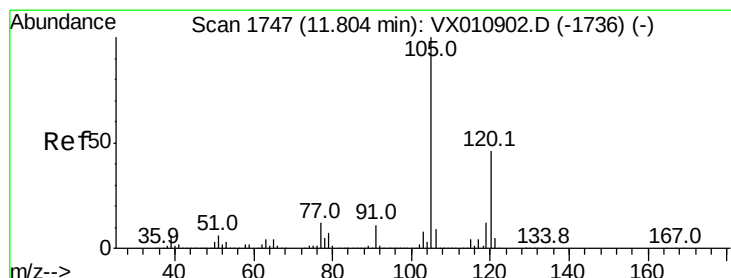
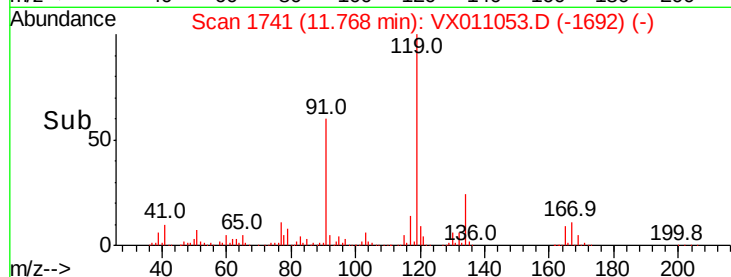
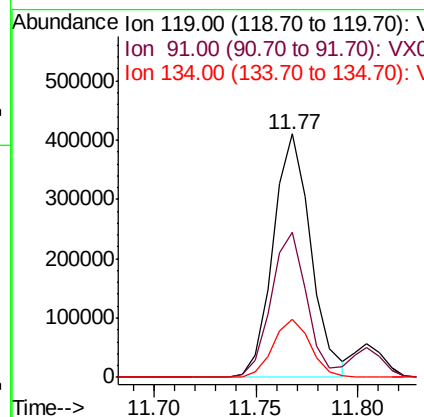
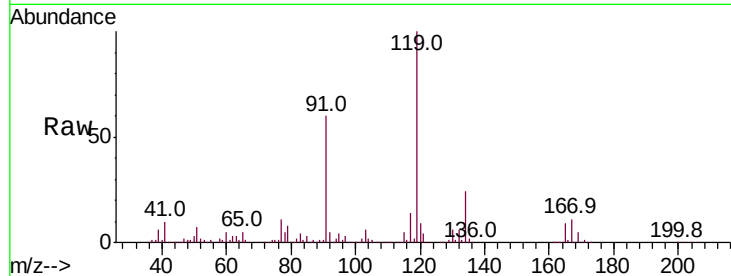
#83
 tert-Butylbenzene
 Concen: 56.703 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX011053.D
 Acq: 23 Jul 2019 17:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	529289		
91	56.3		28.6	85.8
134	23.4		11.6	34.8

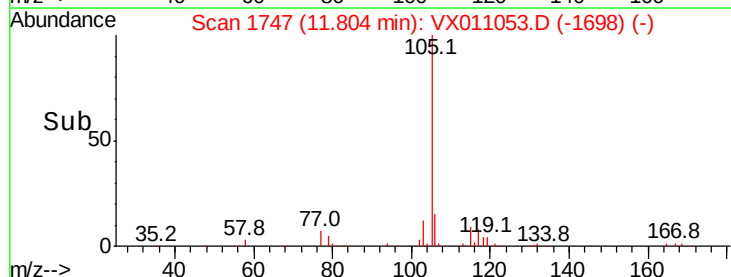
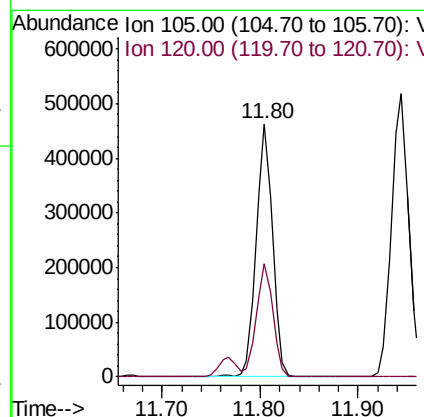
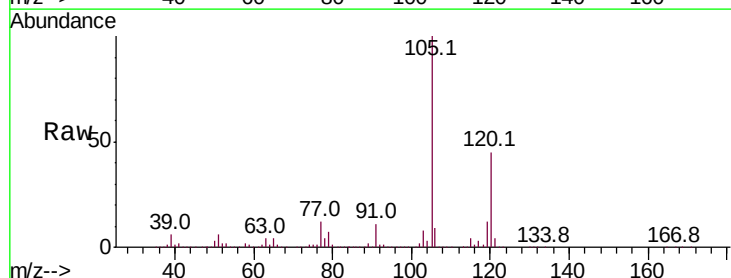
Manual Integrations
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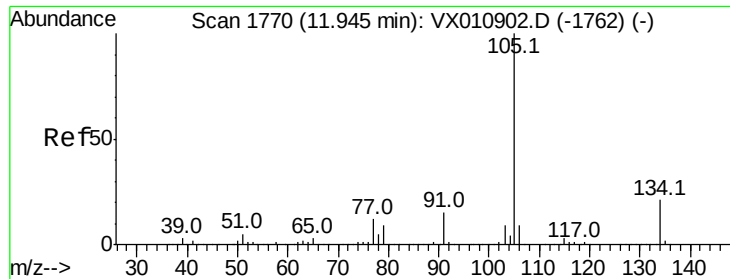
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#84
 1,2,4-Trimethylbenzene
 Concen: 56.324 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX011053.D
 Acq: 23 Jul 2019 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	539476		
120	45.2		22.9	68.5





#85

sec-Butylbenzene

Concen: 57.583 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 629810

Ion Ratio Lower Upper

105 100

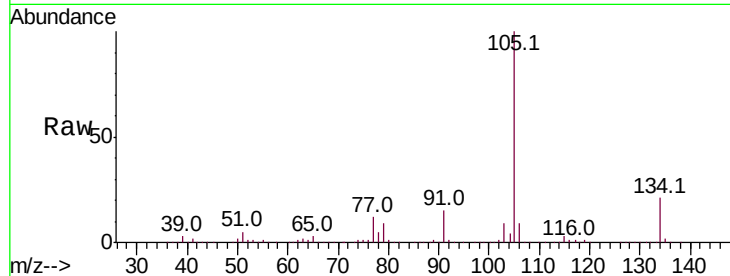
134 20.6 10.4 31.4

Manual Integrations

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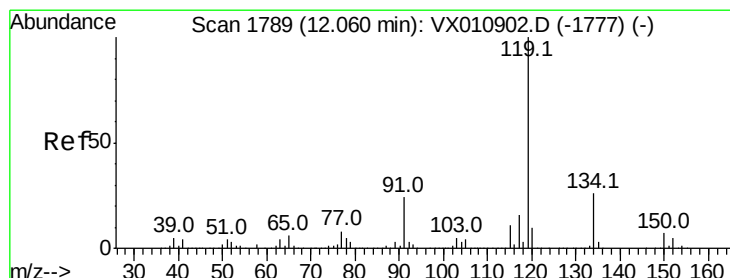
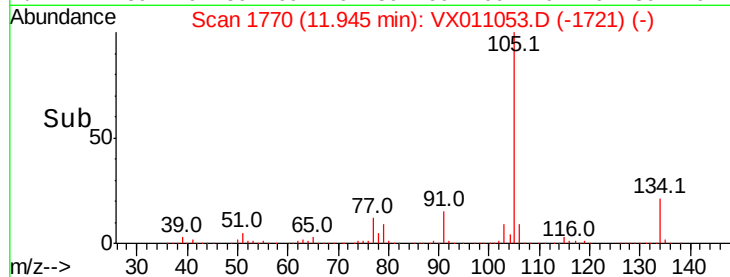
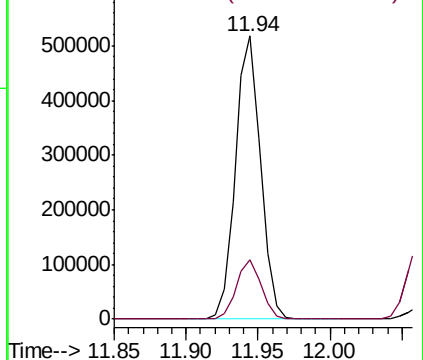
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 58.503 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

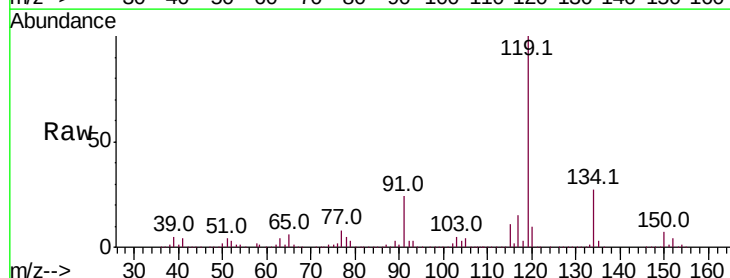
Tgt Ion:119 Resp: 591555

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

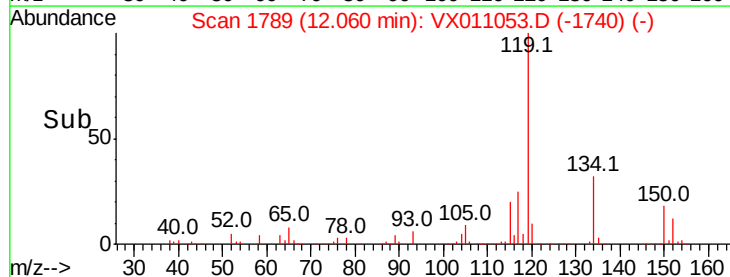
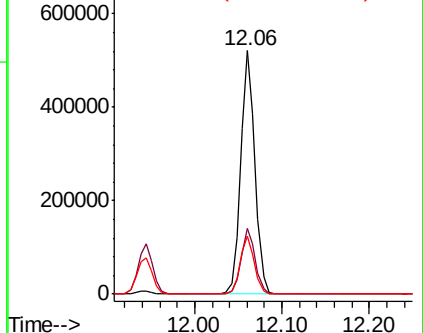
91 23.8 11.8 35.4

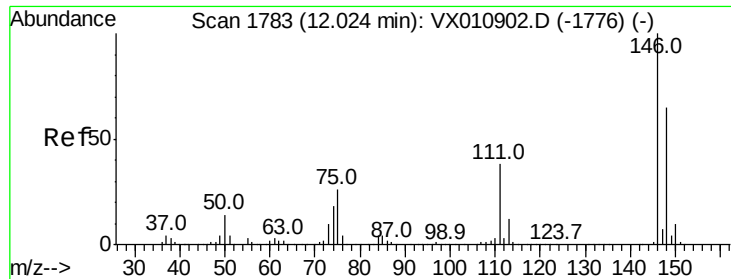


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





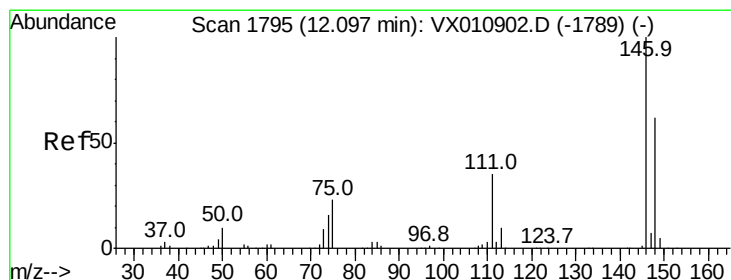
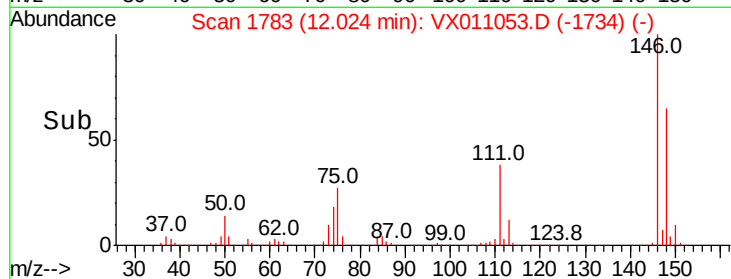
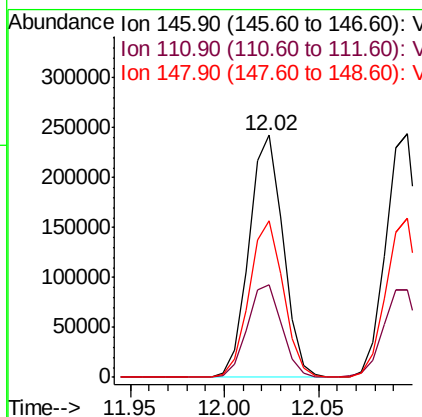
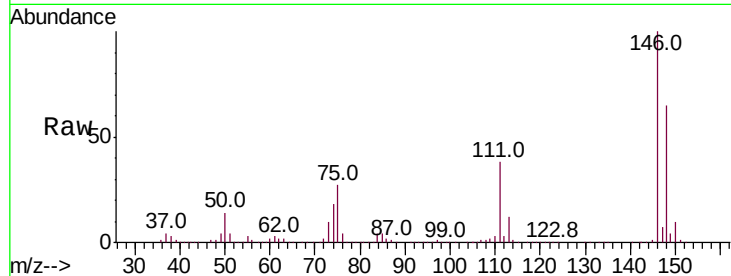
#87
 1,3-Dichlorobenzene
 Concen: 55.859 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX011053.D
 Acq: 23 Jul 2019 17:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.9	56.9
148	64.5	32.2	96.6

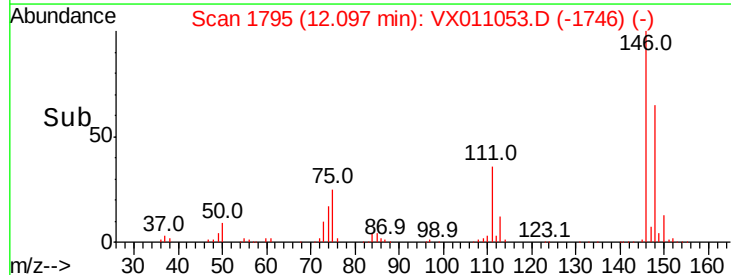
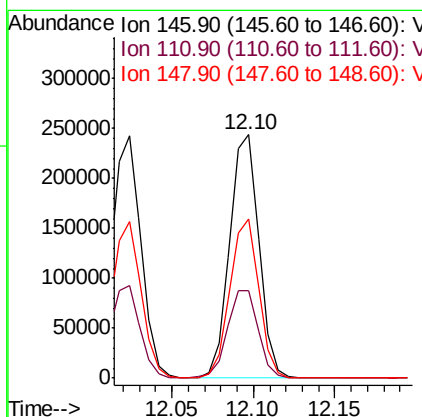
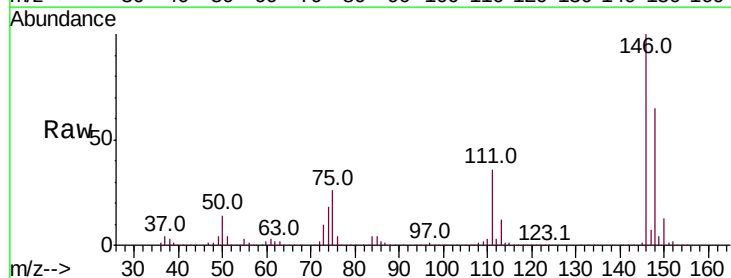
Manual Integrations
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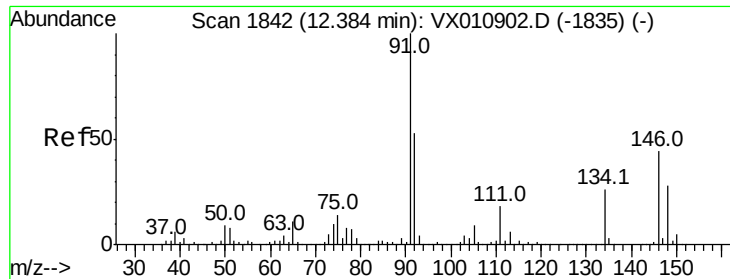
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 7/25/2019 3:07:05 PM



#88
 1,4-Dichlorobenzene
 Concen: 54.290 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX011053.D
 Acq: 23 Jul 2019 17:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.6	55.8
148	64.8	31.6	94.7





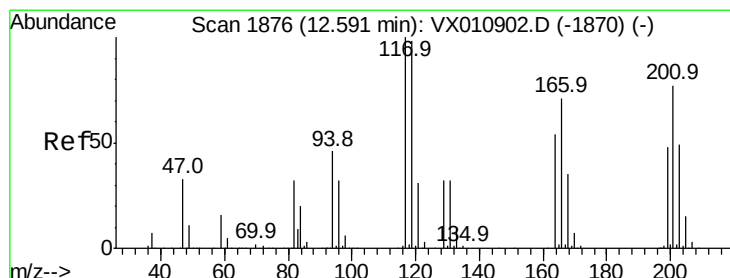
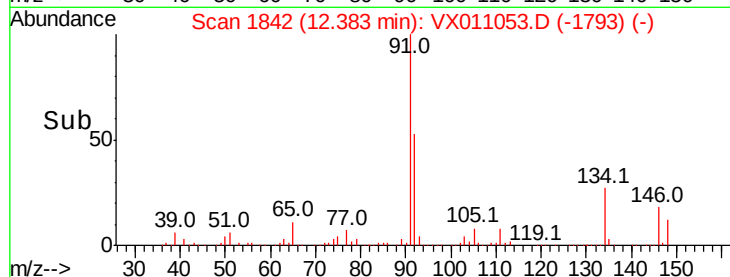
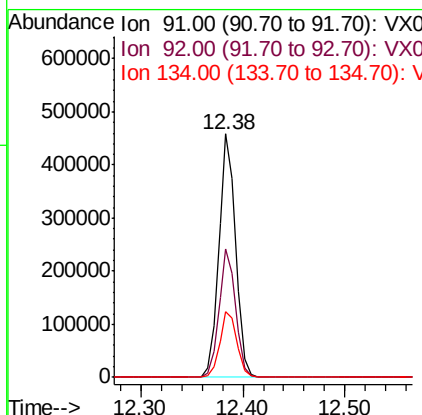
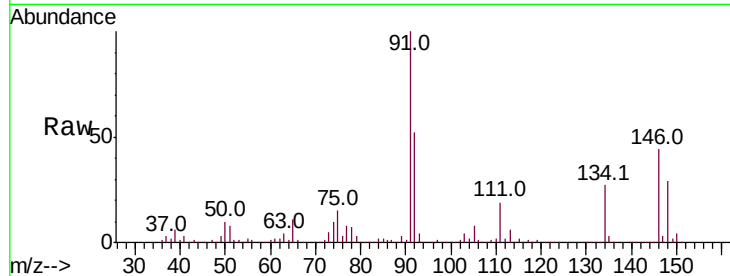
#89
n-Butylbenzene
Concen: 61.067 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.2	78.5
134	27.4	13.8	41.3

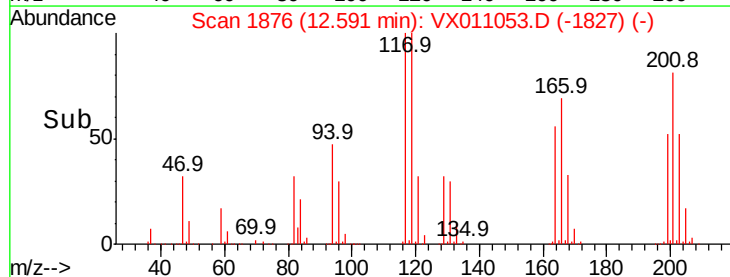
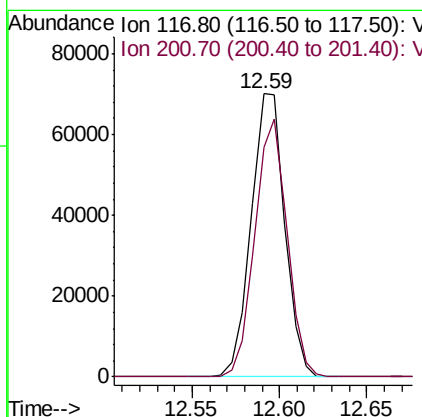
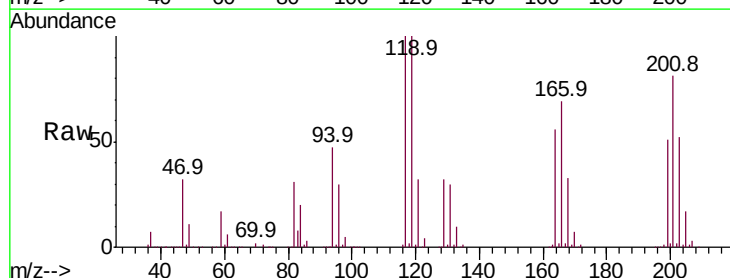
Manual Integrations
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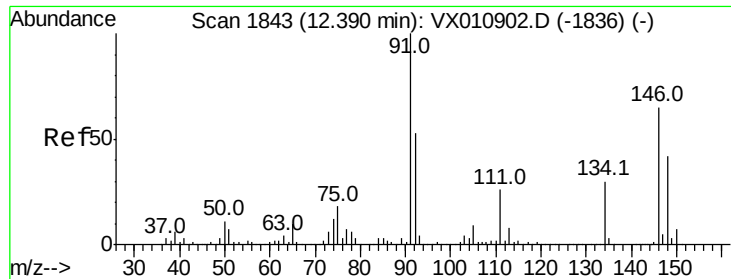
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#90
Hexachloroethane
Concen: 58.784 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.1	43.3	129.8





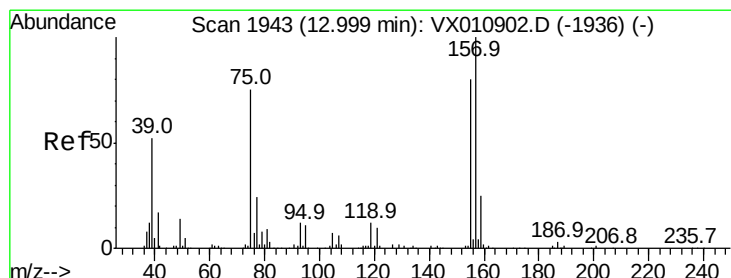
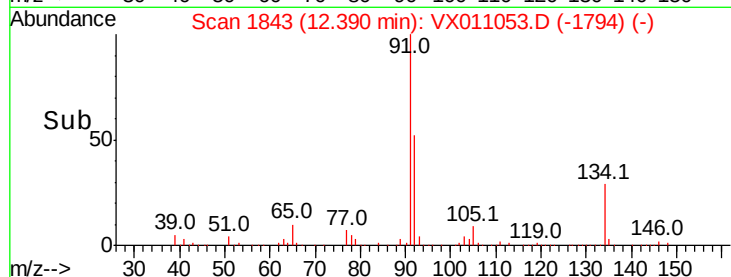
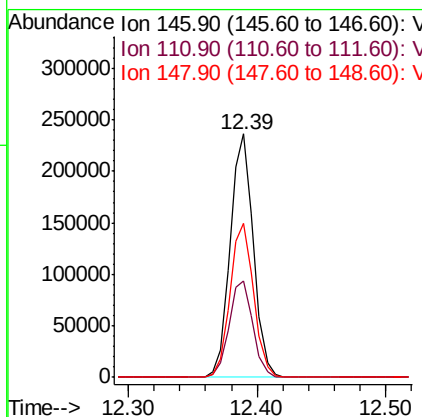
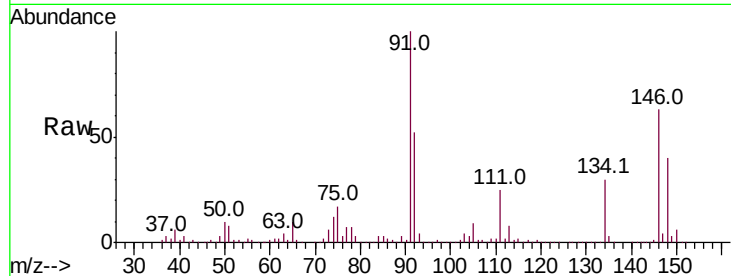
#91
 1,2-Dichlorobenzene
 Concen: 55.088 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX011053.D
 Acq: 23 Jul 2019 17:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.9	59.7
148	64.1	32.0	96.2

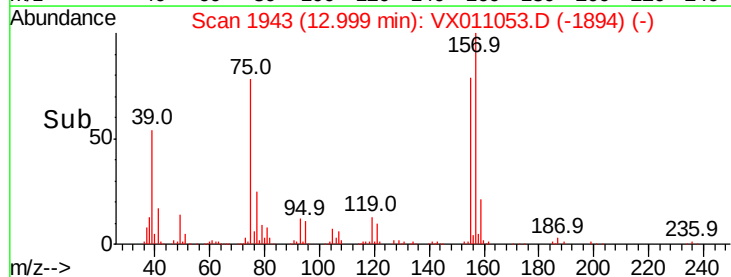
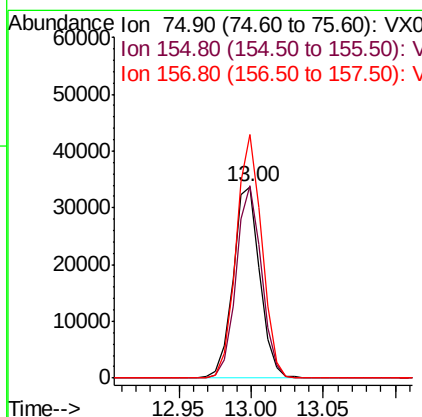
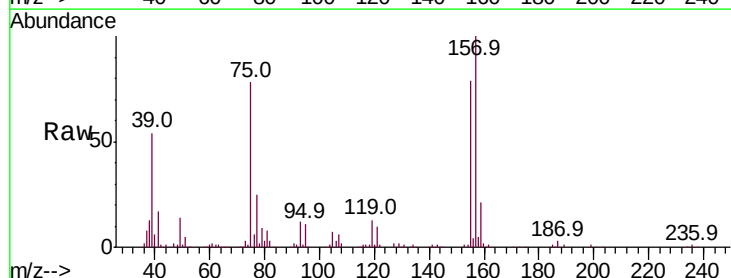
Manual Integrations
 APPROVED

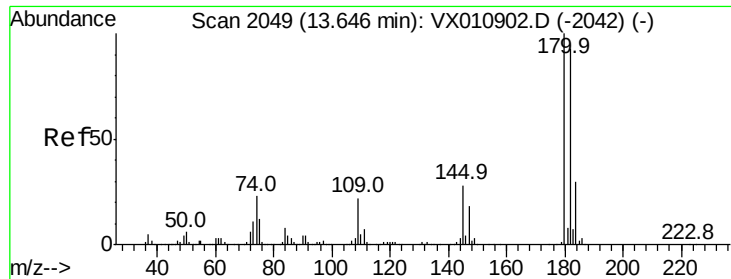
MMDadoda
 7/25/2019 3:07:05 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.153 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX011053.D
 Acq: 23 Jul 2019 17:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.7	48.7	146.1
157	121.9	62.5	187.6





#93

1,2,4-Trichlorobenzene

Concen: 59.212 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Instrument :

MSVOA_X

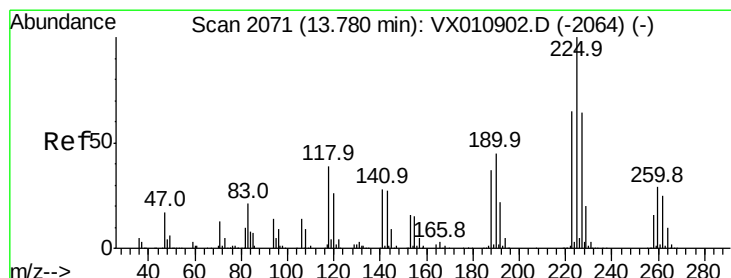
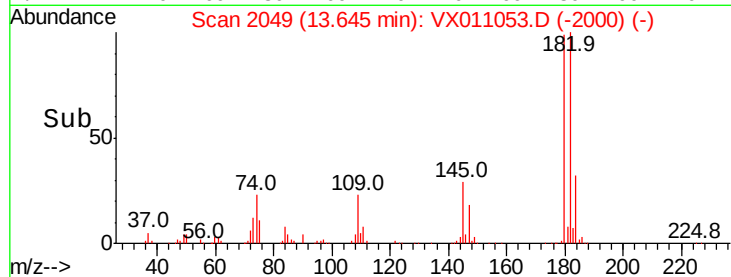
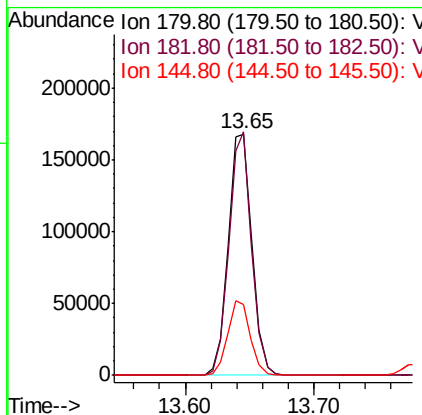
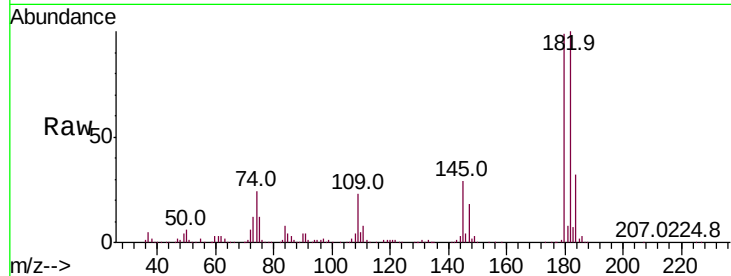
ClientSampleId :

VSTDCCC050EC

Tot Ion:	180	Resp:	216509
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.1	141.3
145	29.8	14.8	44.4

Manual Integrations
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7/25/2019 3:07:05 PM



#94

Hexachlorobutadiene

Concen: 58.583 ug/l

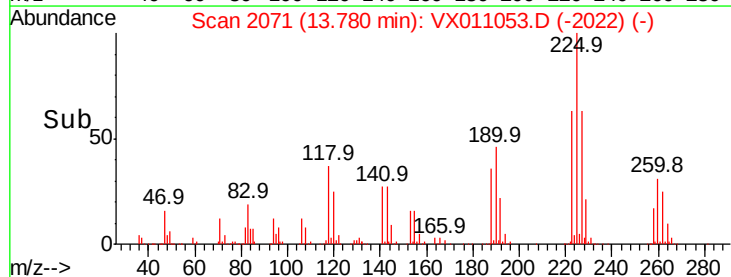
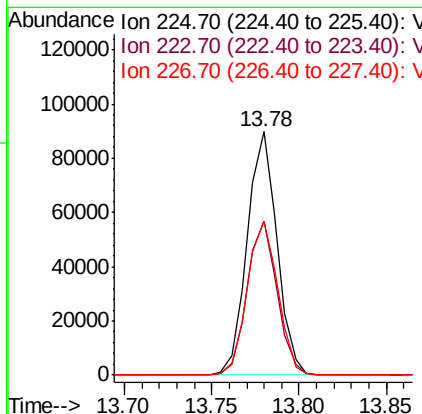
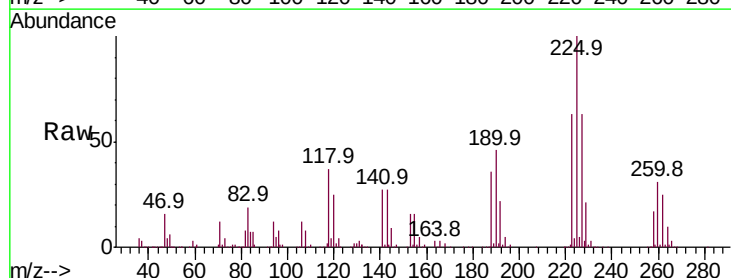
RT: 13.78 min Scan# 2071

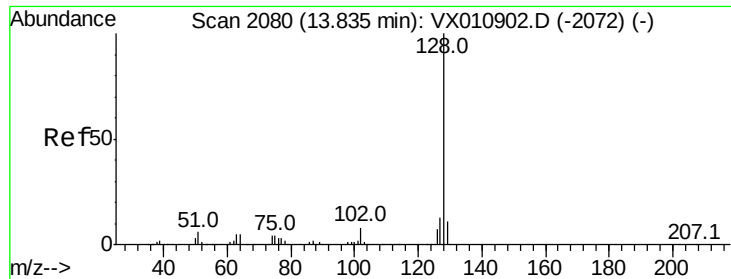
Delta R.T. -0.00 min

Lab File: VX011053.D

Acq: 23 Jul 2019 17:14

Tgt Ion:	225	Resp:	106151
Ion Ratio	Lower	Upper	
225	100		
223	63.5	31.9	95.9
227	64.6	32.5	97.4





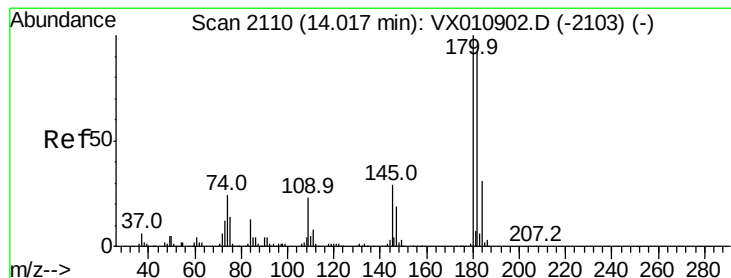
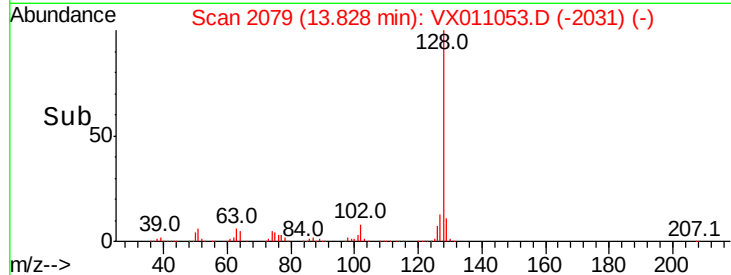
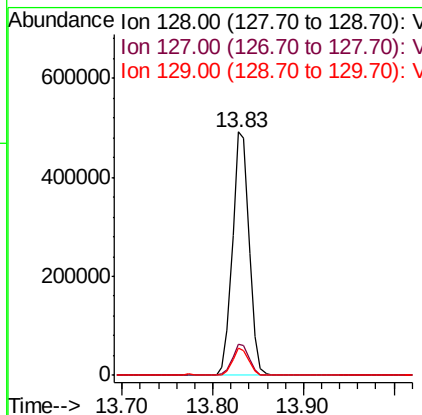
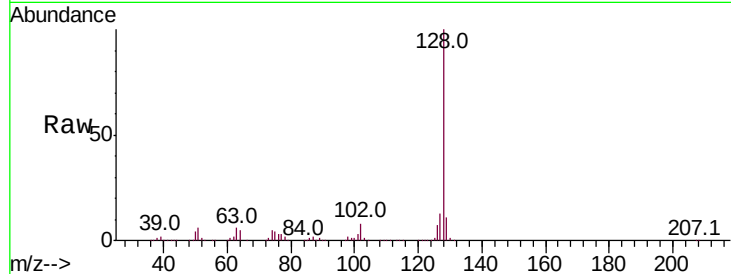
#95
Naphthalene
Concen: 57.909 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	625270		
127	13.0		10.4	15.6
129	10.9		8.9	13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 58.051 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX011053.D
Acq: 23 Jul 2019 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	211202		
182	96.5		47.4	142.3
145	32.2		15.1	45.3

