

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071219\
 Data File : VX010851.D
 Acq On : 12 Jul 2019 21:29
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/15/2019 11:01:16 AM

Quant Time: Jul 13 05:27:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	236928	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	362096	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	335288	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	175195	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	95901	43.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.34%	
35) Dibromofluoromethane	5.50	113	91889	41.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.96%	
50) Toluene-d8	8.71	98	336538	39.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.42%	
62) 4-Bromofluorobenzene	11.13	95	127146	41.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.10%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	77270	46.910	ug/l 99
3) Chloromethane	1.32	50	82263	42.889	ug/l 98
4) Vinyl Chloride	1.41	62	90344	43.004	ug/l 97
5) Bromomethane	1.64	94	48586	47.471	ug/l 99
6) Chloroethane	1.71	64	57555	46.436	ug/l 96
7) Trichlorofluoromethane	1.92	101	156158	46.890	ug/l 100
8) Diethyl Ether	2.19	74	55528	46.494	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	88787	43.993	ug/l 99
10) Methyl Iodide	2.51	142	101647	35.291	ug/l 97
11) Tert butyl alcohol	3.05	59	113687	195.581	ug/l 98
12) 1,1-Dichloroethene	2.37	96	89499	43.581	ug/l 99
13) Acrolein	2.29	56	92342	239.473	ug/l 98
14) Allyl chloride	2.73	41	130162	44.644	ug/l 98
15) Acrylonitrile	3.14	53	265480	230.679	ug/l 99
16) Acetone	2.45	43	215265	193.355	ug/l 99
17) Carbon Disulfide	2.57	76	208466	37.837	ug/l 99
18) Methyl Acetate	2.78	43	103335	46.570	ug/l 100
19) Methyl tert-butyl Ether	3.20	73	296522	45.897	ug/l 98
20) Methylene Chloride	2.85	84	103557	45.199	ug/l 97
21) trans-1,2-Dichloroethene	3.17	96	94592	42.827	ug/l 99
22) Diisopropyl ether	3.85	45	283628	46.528	ug/l 95
23) Vinyl Acetate	3.81	43	1240393	235.542	ug/l 99
24) 1,1-Dichloroethane	3.70	63	159167	45.172	ug/l 99
25) 2-Butanone	4.67	43	364590	223.251	ug/l 99
26) 2,2-Dichloropropane	4.58	77	114721	37.479	ug/l 100
27) cis-1,2-Dichloroethene	4.60	96	113950	44.645	ug/l 100
28) Bromochloromethane	5.02	49	69052	40.988	ug/l 95
29) Tetrahydrofuran	5.13	42	232206	229.555	ug/l 99
30) Chloroform	5.21	83	173966	45.887	ug/l 97
31) Cyclohexane	5.58	56	140299	43.724	ug/l 98
32) 1,1,1-Trichloroethane	5.50	97	150066	44.828	ug/l 99
36) 1,1-Dichloropropene	5.80	75	121539	42.239	ug/l 99
37) Ethyl Acetate	4.84	43	137713	46.522	ug/l 99
38) Carbon Tetrachloride	5.78	117	128922	41.376	ug/l 99

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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	154856	40.942	ug/l	94
40) Benzene	6.14	78	388017	43.284	ug/l	98
41) Methacrylonitrile	5.04	41	73110	45.013	ug/l	98
42) 1,2-Dichloroethane	6.19	62	131466	48.177	ug/l	98
43) Isopropyl Acetate	6.45	43	219608	44.840	ug/l	98
44) Trichloroethene	7.21	130	112207	41.831	ug/l	99
45) 1,2-Dichloropropane	7.51	63	99764	44.069	ug/l	99
46) Dibromomethane	7.66	93	72479	44.624	ug/l	95
47) Bromodichloromethane	7.90	83	128682	43.232	ug/l	99
48) Methyl methacrylate	7.77	41	106569	46.814	ug/l	97
49) 1,4-Dioxane	7.74	88	57499	876.795	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	740309	236.348	ug/l	98
52) Toluene	8.78	92	253941	43.016	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	138313	41.446	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	153418	42.304	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	108398	44.522	ug/l	97
56) Ethyl methacrylate	9.18	69	163411	44.306	ug/l	95
57) 1,3-Dichloropropane	9.37	76	168911	44.693	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	347185	198.204	ug/l	99
59) 2-Hexanone	9.49	43	572154	232.091	ug/l	97
60) Dibromochloromethane	9.58	129	112705	41.343	ug/l	98
61) 1,2-Dibromoethane	9.67	107	115605	43.990	ug/l	100
64) Tetrachloroethene	9.34	164	107717	39.720	ug/l	99
65) Chlorobenzene	10.13	112	289236	42.491	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	105584	42.583	ug/l	100
67) Ethyl Benzene	10.25	91	497169	43.263	ug/l	99
68) m/p-Xylenes	10.36	106	385864	86.658	ug/l	98
69) o-Xylene	10.69	106	188058	42.947	ug/l	98
70) Styrene	10.71	104	324792	44.228	ug/l	99
71) Bromoform	10.85	173	86791	40.252	ug/l #	99
73) Isopropylbenzene	11.02	105	501531	42.230	ug/l	98
74) N-amyl acetate	10.90	43	205562	45.800	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	170396	43.324	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	140218m	43.921	ug/l	
77) Bromobenzene	11.26	156	135816	40.956	ug/l	96
78) n-propylbenzene	11.36	91	569608	43.640	ug/l	99
79) 2-Chlorotoluene	11.42	91	331307	42.627	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	421207	43.023	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	48208	35.227	ug/l	89
82) 4-Chlorotoluene	11.51	91	387616	43.828	ug/l	100
83) tert-Butylbenzene	11.77	119	419072	42.647	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	427756	43.488	ug/l	99
85) sec-Butylbenzene	11.94	105	491961	42.640	ug/l	100
86) p-Isopropyltoluene	12.06	119	459188	43.028	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	241874	41.785	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	239026	40.561	ug/l	99
89) n-Butylbenzene	12.38	91	394878	43.544	ug/l	99
90) Hexachloroethane	12.60	117	71502	38.748	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	243268	42.285	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	34964	41.232	ug/l	91

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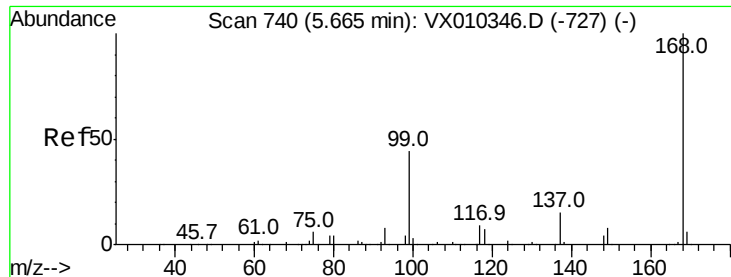
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	164733	41.290	ug/l	100
94) Hexachlorobutadiene	13.78	225	78997	40.514	ug/l	98
95) Naphthalene	13.83	128	511167	41.692	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	165314	41.675	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010851.D

Acq: 12 Jul 2019 21:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 236928

Ion Ratio Lower Upper

168 100

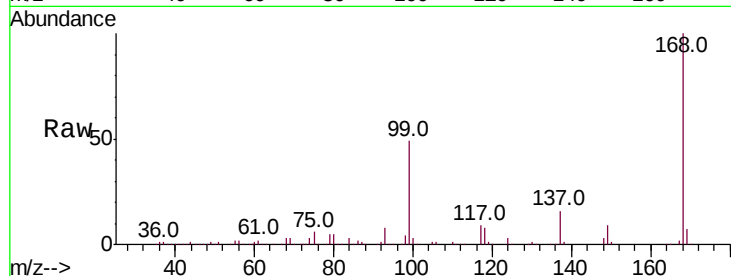
99 49.4 35.5 53.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

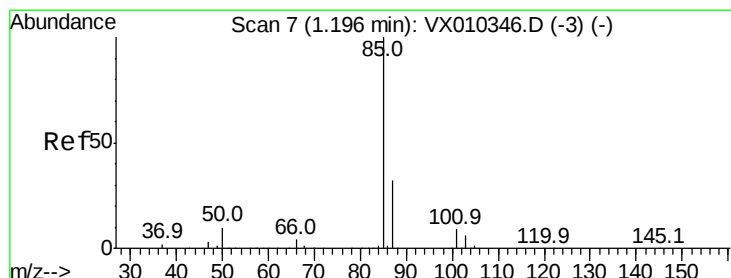
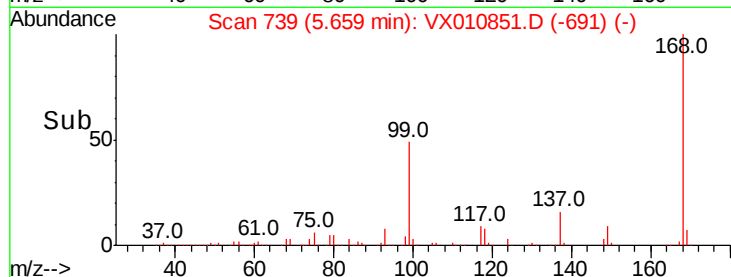
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 46.910 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010851.D

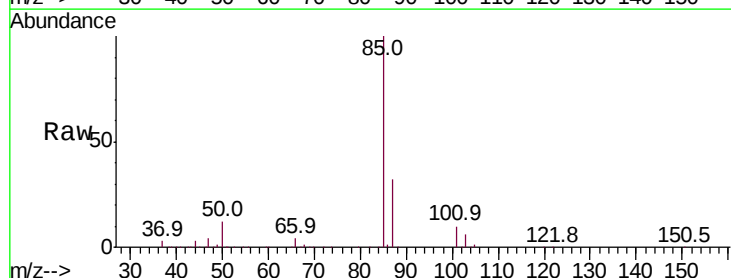
Acq: 12 Jul 2019 21:29

Tgt Ion: 85 Resp: 77270

Ion Ratio Lower Upper

85 100

87 31.9 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

60000

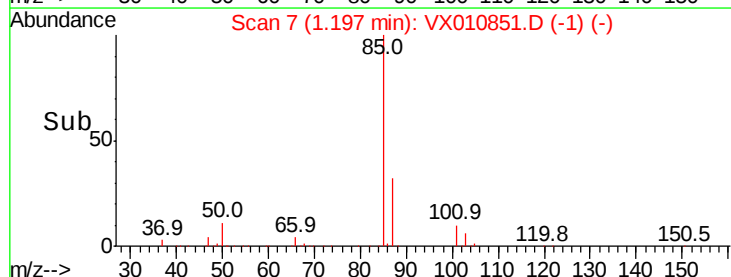
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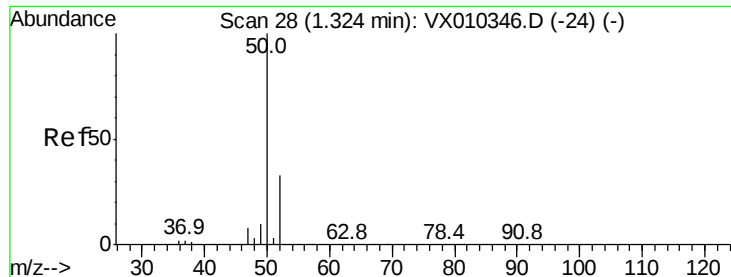
20000

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Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 42.889 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010851.D

Acq: 12 Jul 2019 21:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 82263

Ion Ratio Lower Upper

50 100

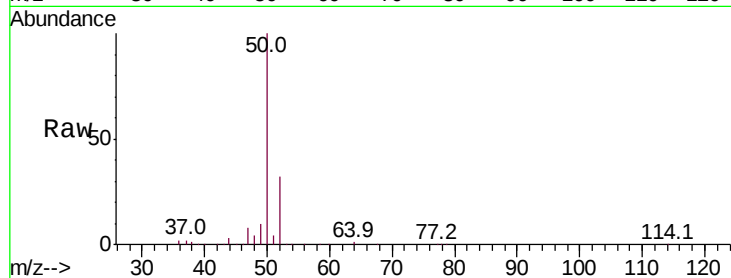
52 32.1 26.5 39.7

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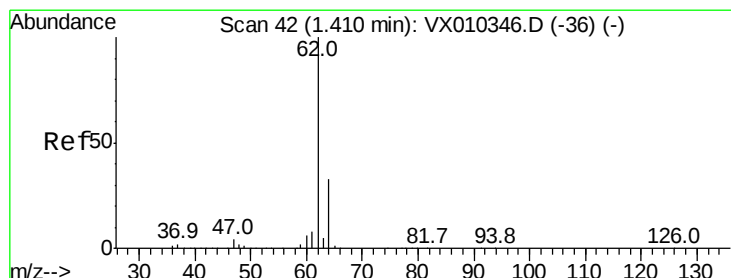
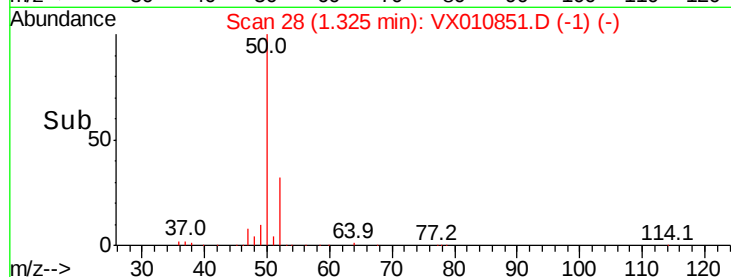
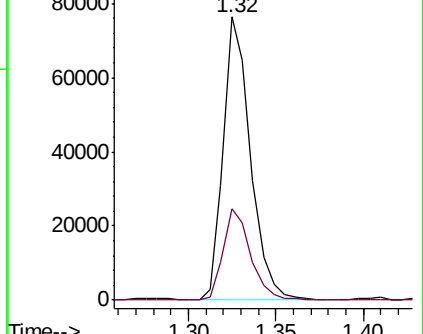
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 43.004 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010851.D

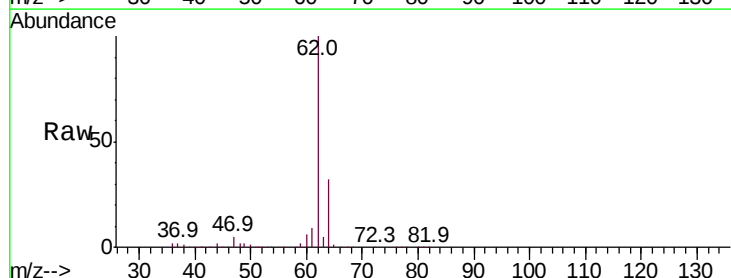
Acq: 12 Jul 2019 21:29

Tgt Ion: 62 Resp: 90344

Ion Ratio Lower Upper

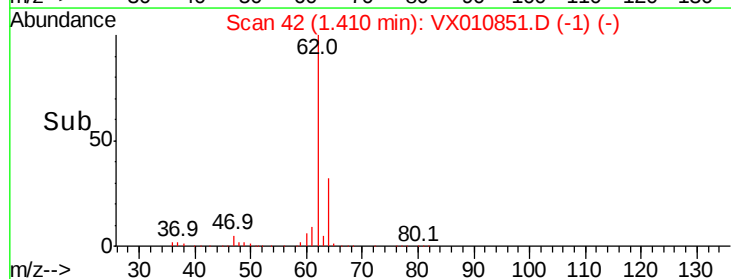
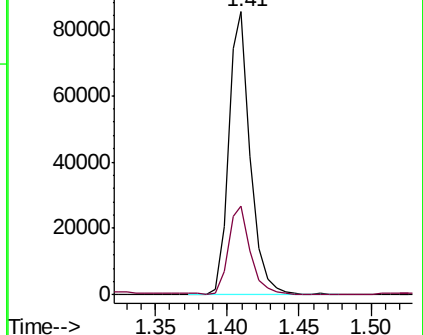
62 100

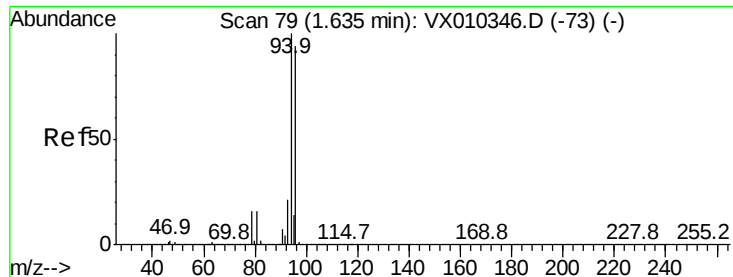
64 31.3 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 47.471 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010851.D

Acq: 12 Jul 2019 21:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 48586

Ion Ratio Lower Upper

94 100

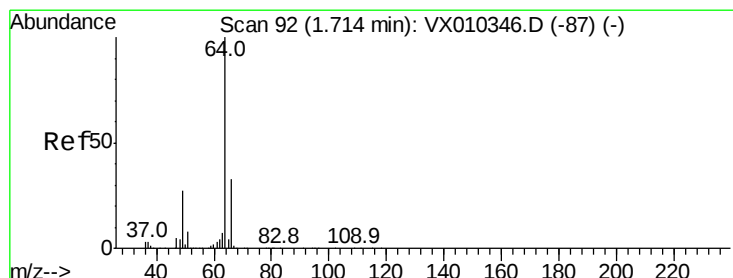
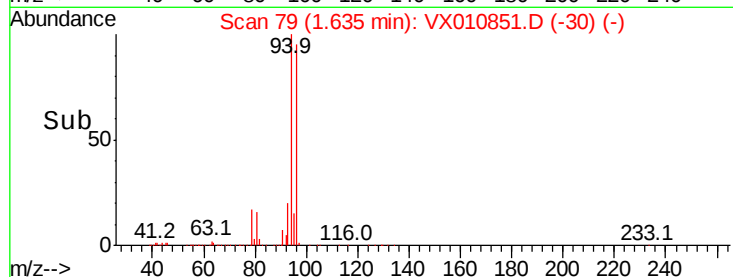
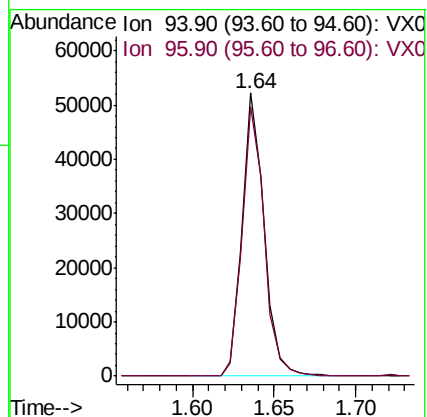
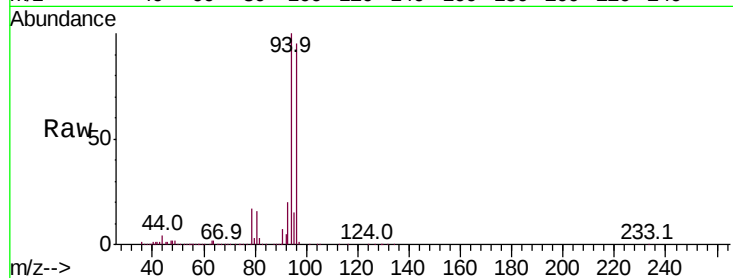
96 95.5 75.5 113.3

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#6

Chloroethane

Concen: 46.436 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010851.D

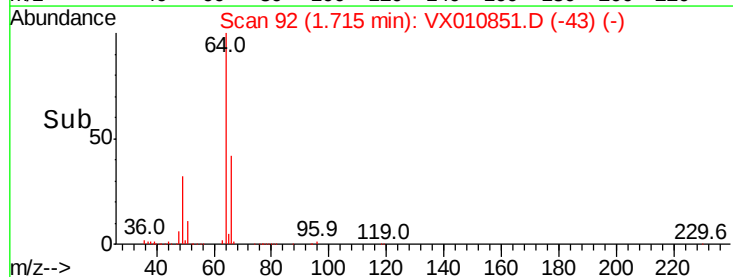
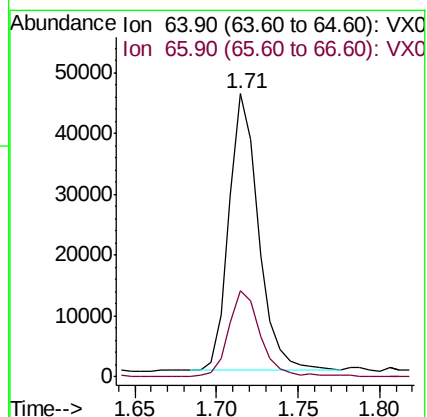
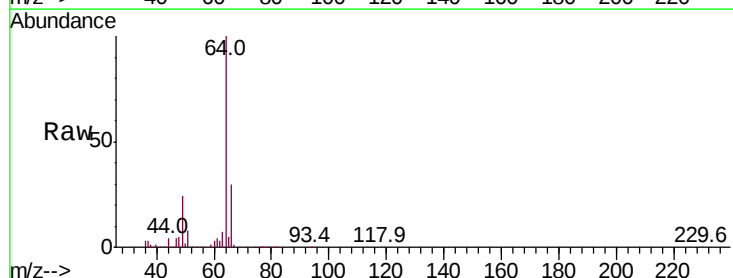
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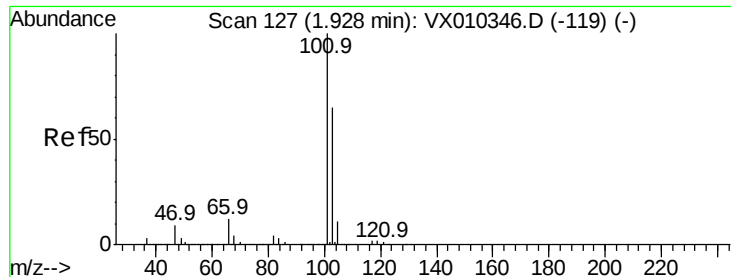
Tgt Ion: 64 Resp: 57555

Ion Ratio Lower Upper

64 100

66 30.8 26.6 40.0





#7

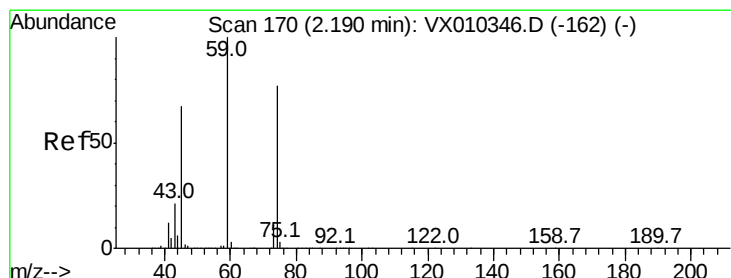
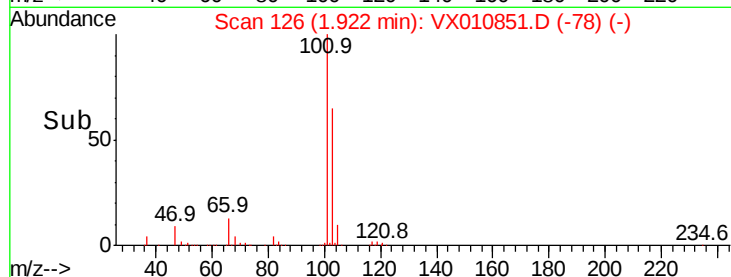
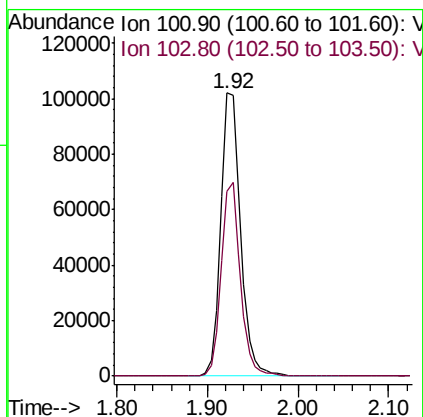
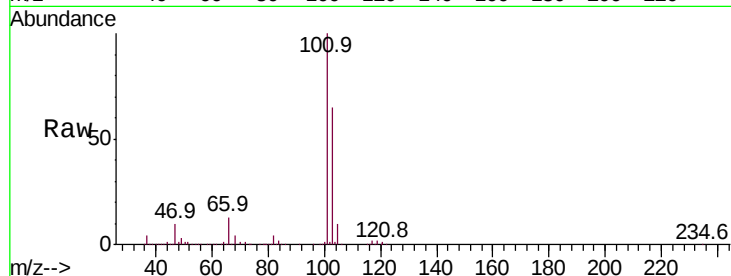
Trichlorofluoromethane
Concen: 46.890 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX010851.D
Acq: 12 Jul 2019 21:29

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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.3	78.5

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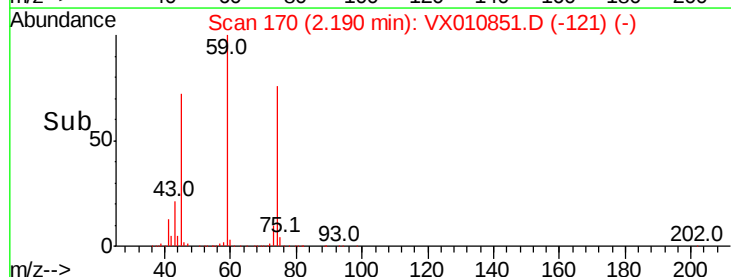
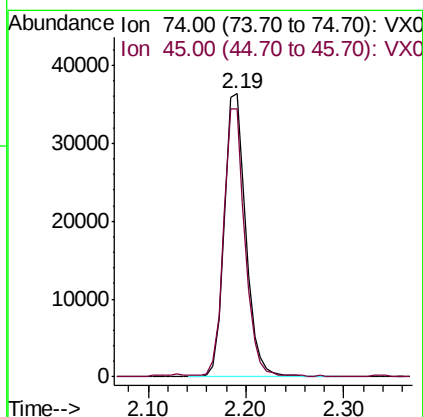
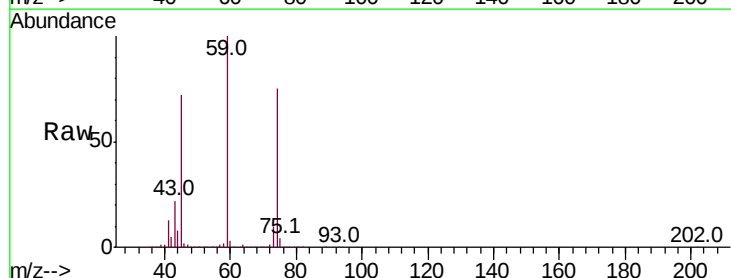
MMDadoda
7/15/2019 11:01:16 AM

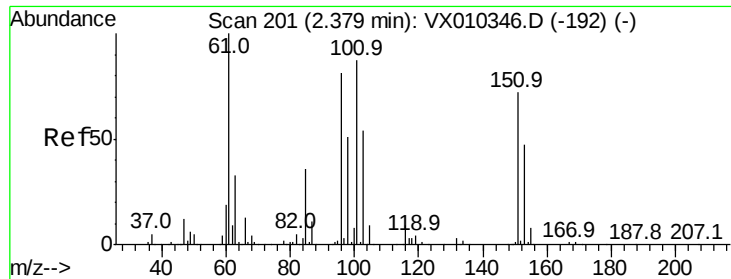


#8

Diethyl Ether
Concen: 46.494 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010851.D
Acq: 12 Jul 2019 21:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.4	44.8	134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.993 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX010851.D

Acq: 12 Jul 2019 21:29

Instrument :

MSVOA_X

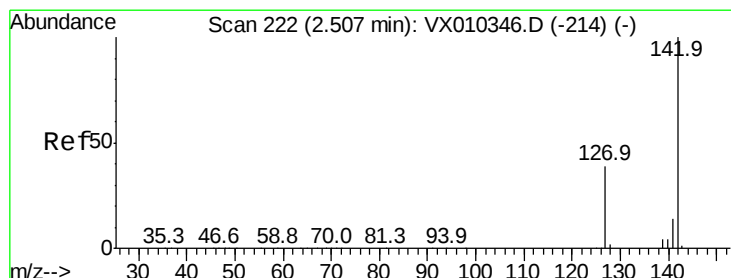
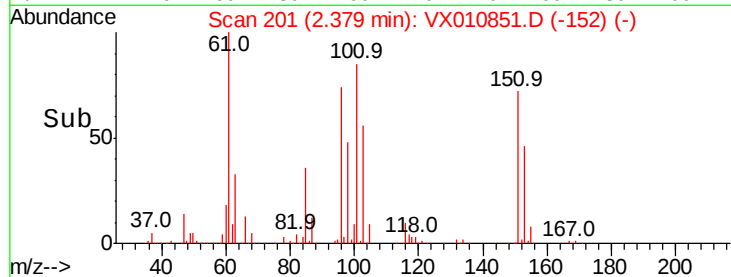
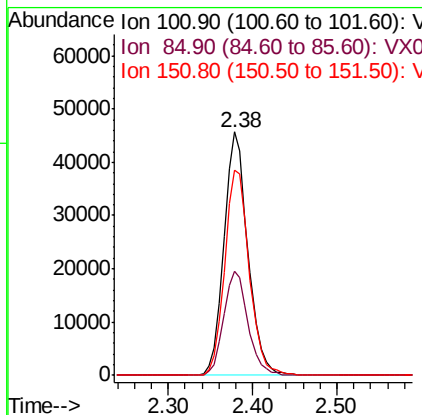
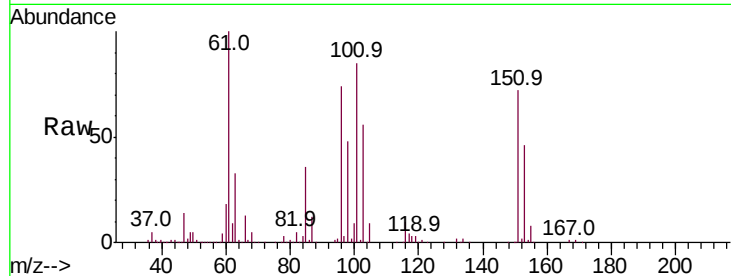
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	88787
Ion Ratio	Lower	Upper	
101	100		
85	43.4	33.7	50.5
151	86.6	70.1	105.1

Manual Integrations
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#10

Methyl Iodide

Concen: 35.291 ug/l

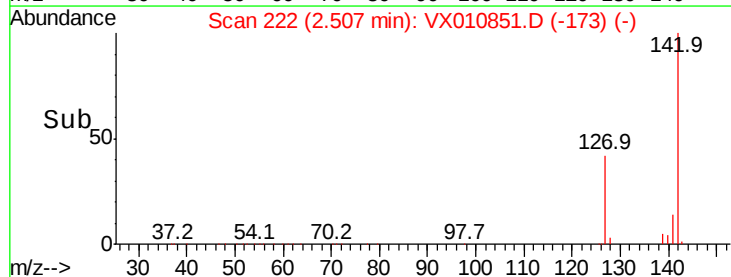
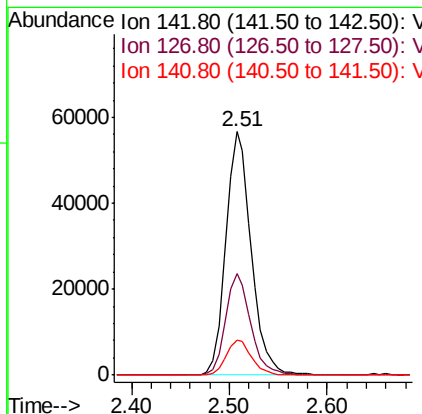
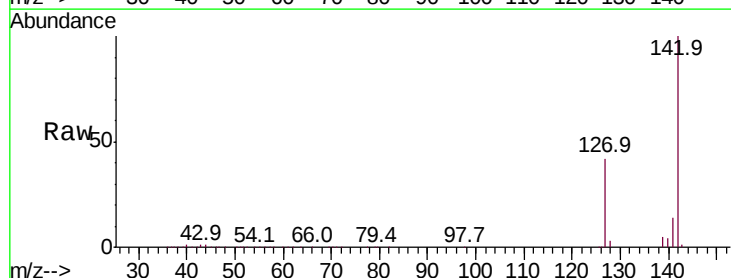
RT: 2.51 min Scan# 222

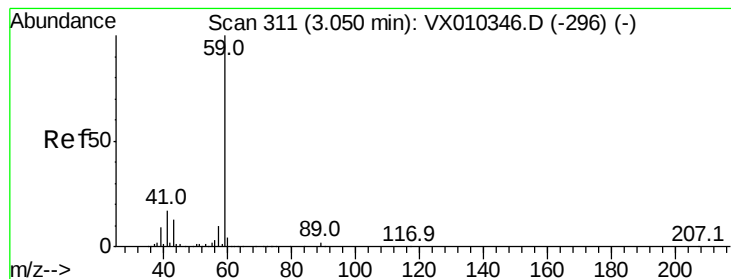
Delta R.T. 0.00 min

Lab File: VX010851.D

Acq: 12 Jul 2019 21:29

Tgt Ion:	142	Resp:	101647
Ion Ratio	Lower	Upper	
142	100		
127	41.3	31.1	46.7
141	14.5	11.2	16.8





#11

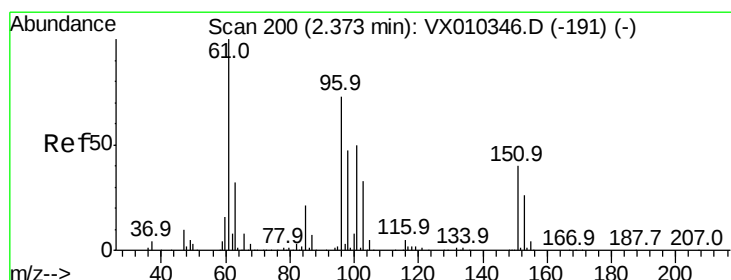
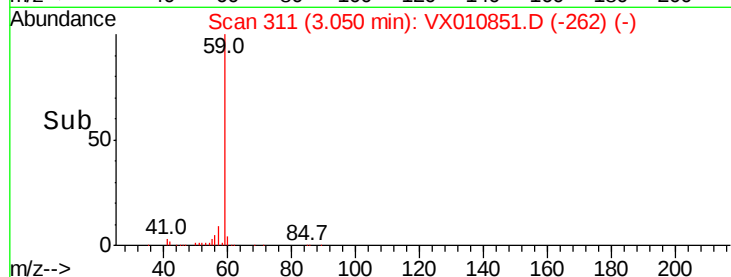
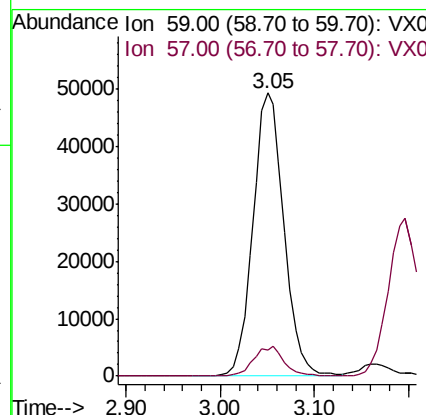
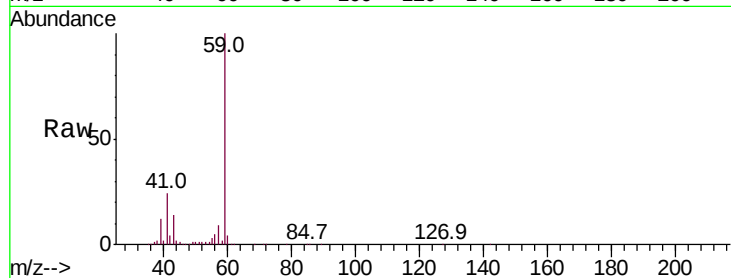
Tert butyl alcohol
Concen: 195.581 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX010851.D
Acq: 12 Jul 2019 21:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	113687
Ion Ratio	100	Lower	Upper
57	10.4	7.7	11.5

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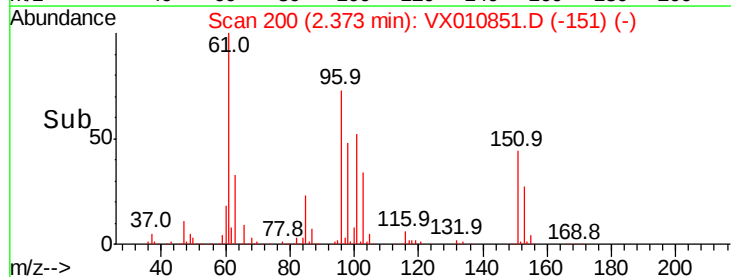
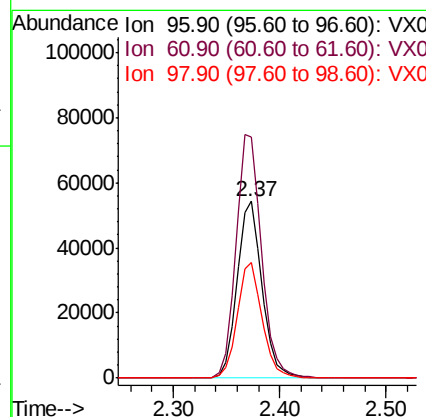
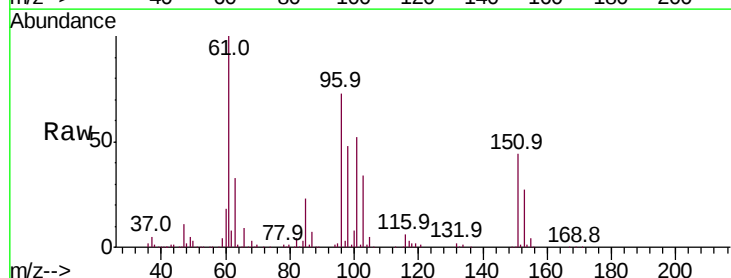
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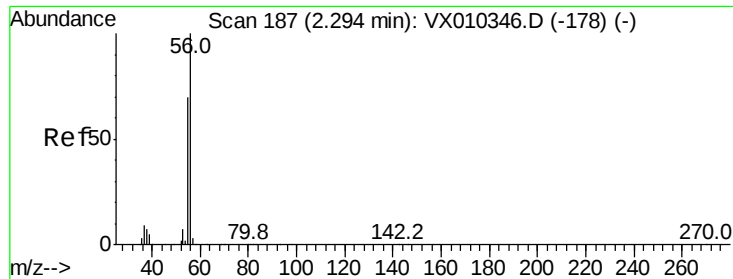


#12

1,1-Dichloroethene
Concen: 43.581 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010851.D
Acq: 12 Jul 2019 21:29

Tgt Ion	96	Resp	89499
Ion Ratio	100	Lower	Upper
61	136.4	109.2	163.8
98	65.3	51.1	76.7





#13

Acrolein

Concen: 239.473 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010851.D

Acq: 12 Jul 2019 21:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 92342

Ion Ratio Lower Upper

56 100

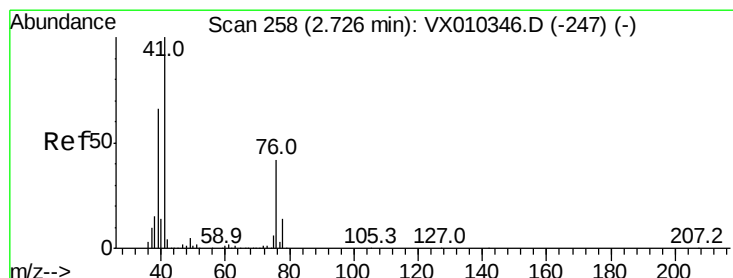
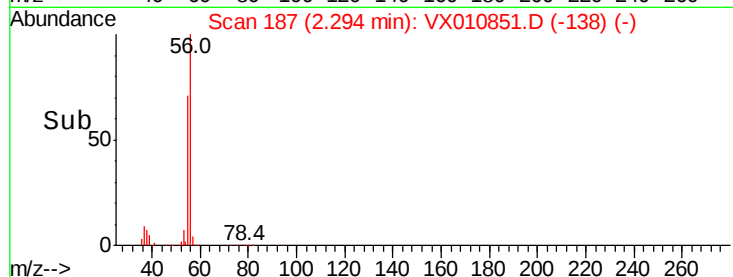
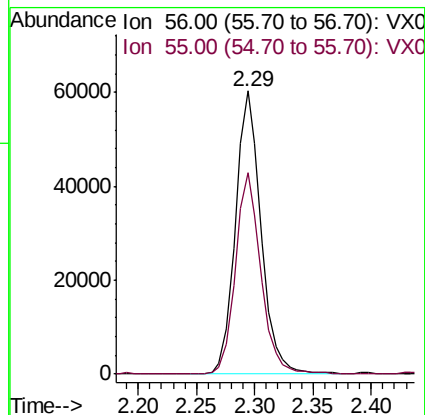
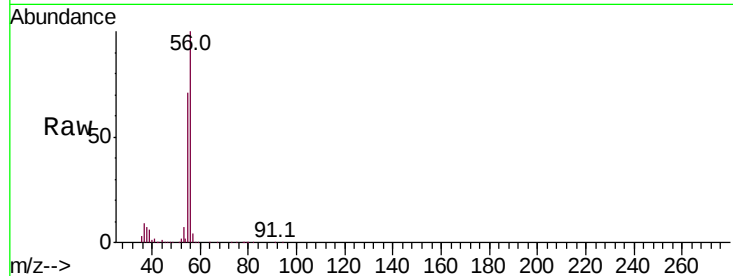
55 69.7 56.9 85.3

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#14

Allyl chloride

Concen: 44.644 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010851.D

Acq: 12 Jul 2019 21:29

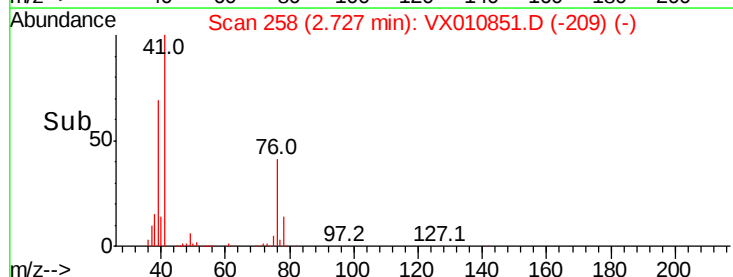
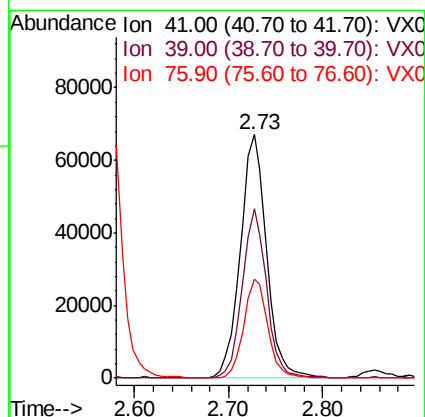
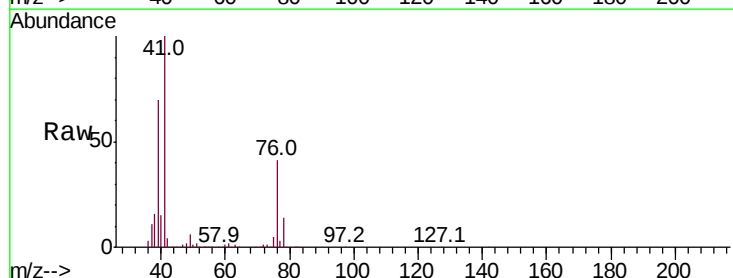
Tgt Ion: 41 Resp: 130162

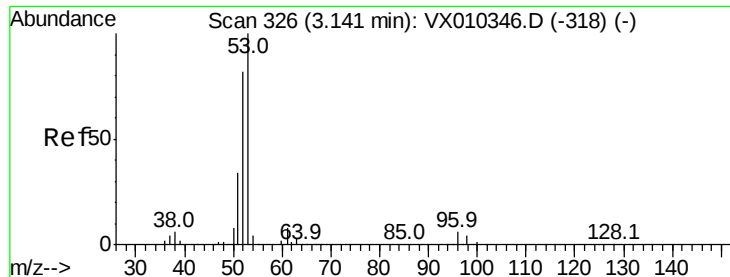
Ion Ratio Lower Upper

41 100

39 64.3 50.3 75.5

76 37.4 31.3 46.9





#15

Acrylonitrile

Concen: 230.679 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010851.D

Acq: 12 Jul 2019 21:29

Instrument :

MSVOA_X

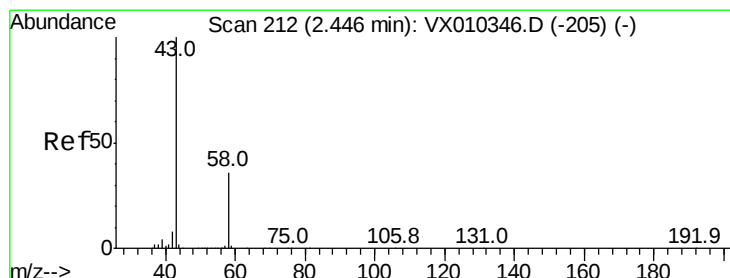
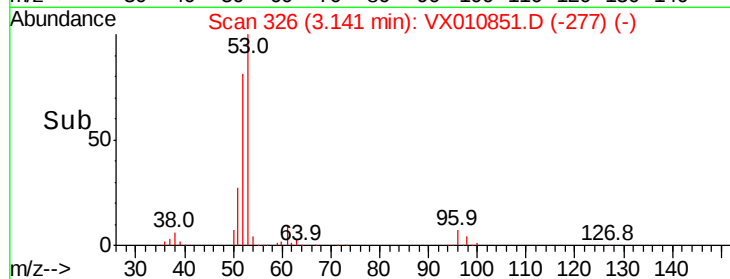
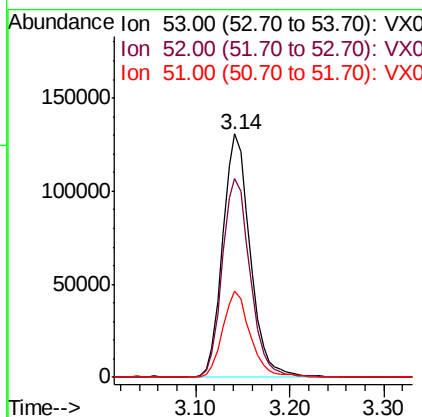
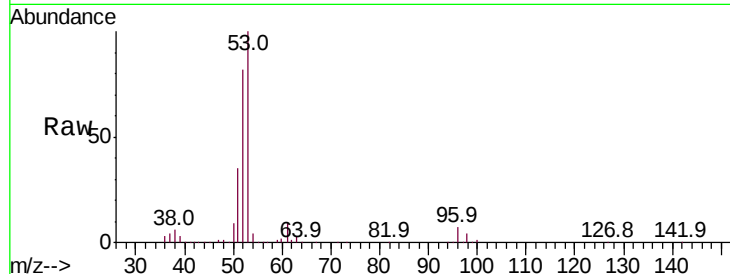
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	265480
Ion Ratio	Lower	Upper	
53	100		
52	82.9	65.5	98.3
51	35.4	28.2	42.4

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#16

Acetone

Concen: 193.355 ug/l

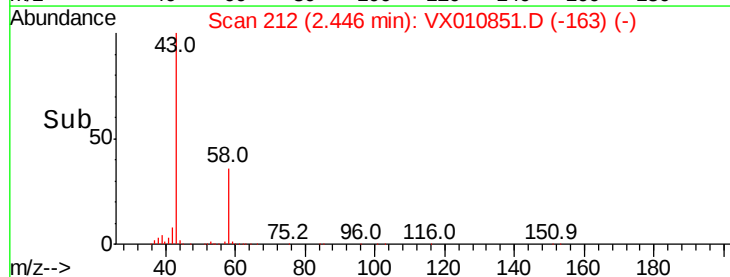
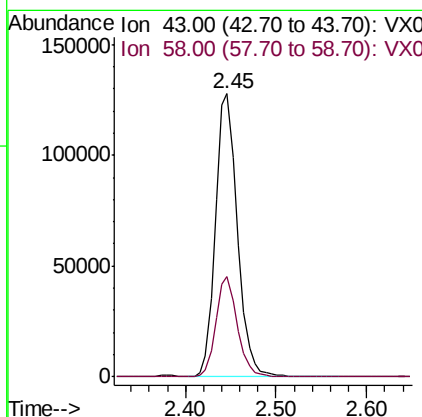
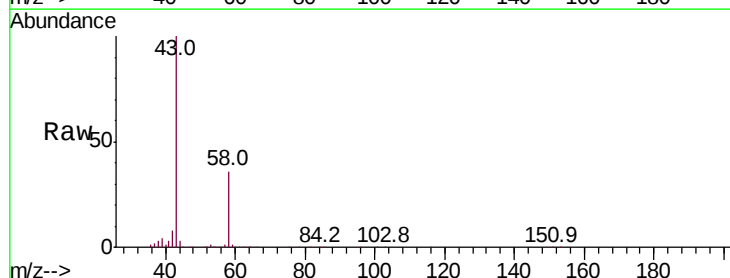
RT: 2.45 min Scan# 212

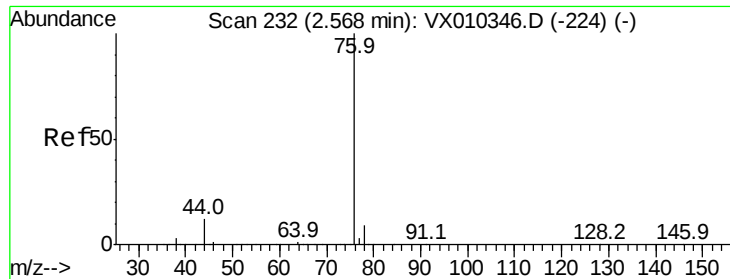
Delta R.T. 0.00 min

Lab File: VX010851.D

Acq: 12 Jul 2019 21:29

Tgt Ion:	43	Resp:	215265
Ion Ratio	Lower	Upper	
43	100		
58	35.6	28.9	43.3





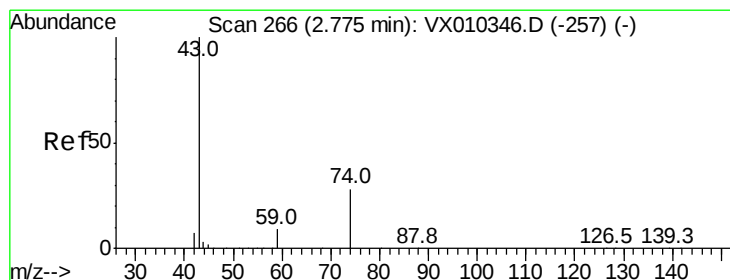
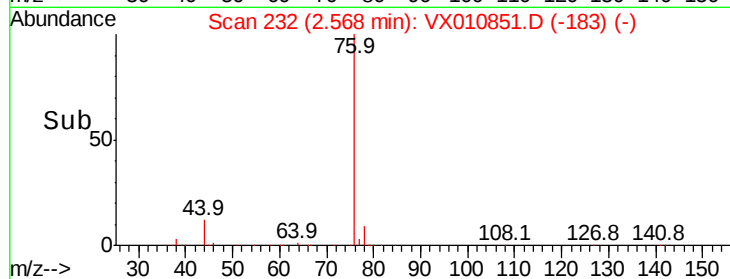
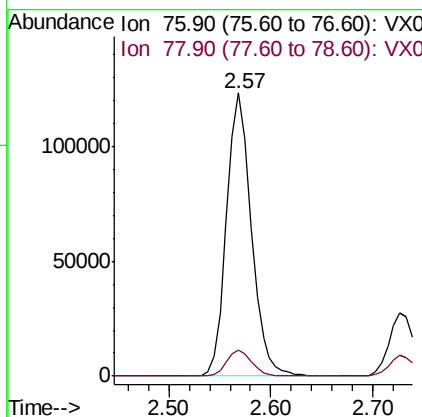
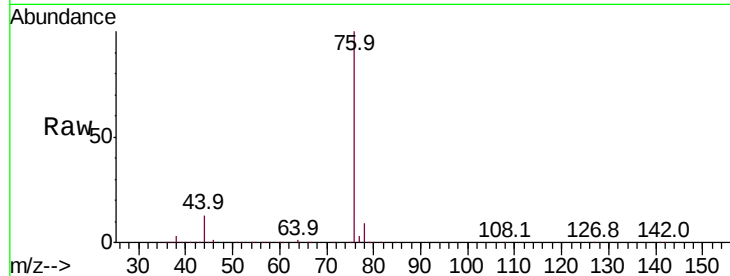
#17
Carbon Disulfide
Concen: 37.837 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010851.D
Acq: 12 Jul 2019 21:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.3	10.9

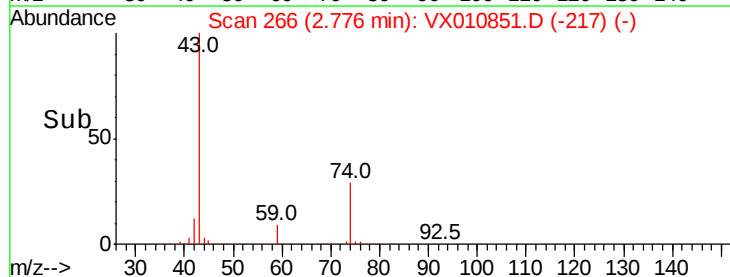
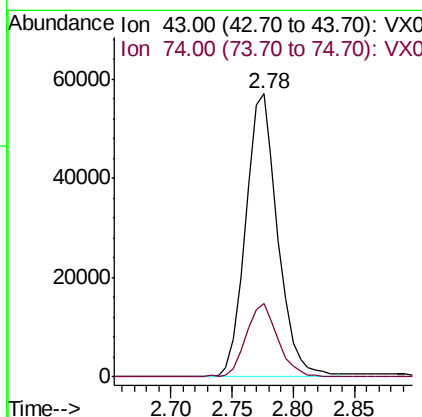
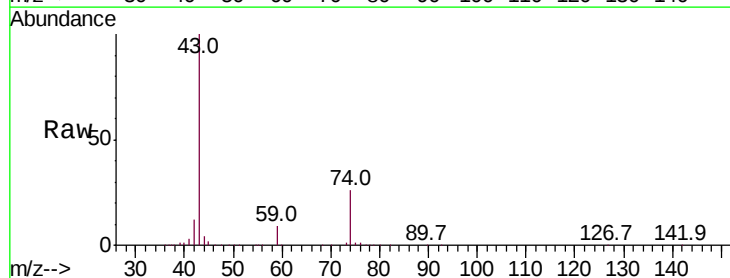
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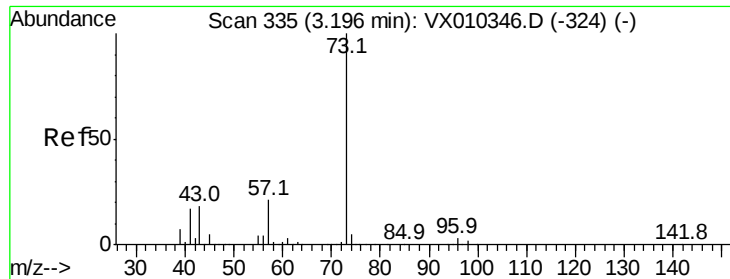
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#18
Methyl Acetate
Concen: 46.570 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010851.D
Acq: 12 Jul 2019 21:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.4	21.3	31.9





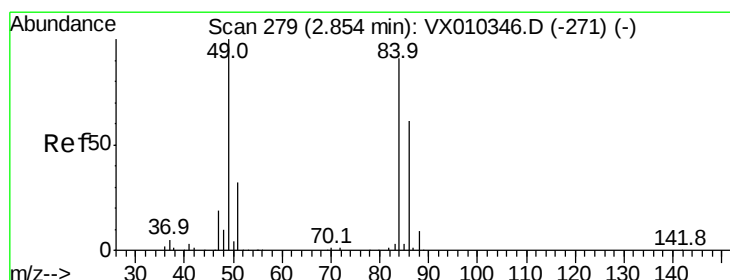
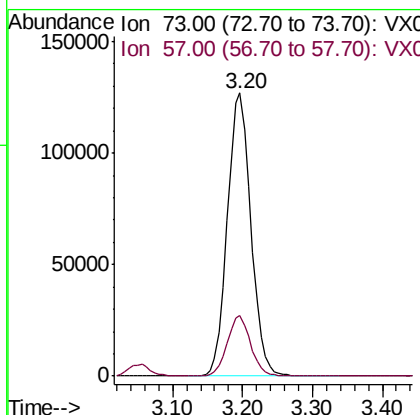
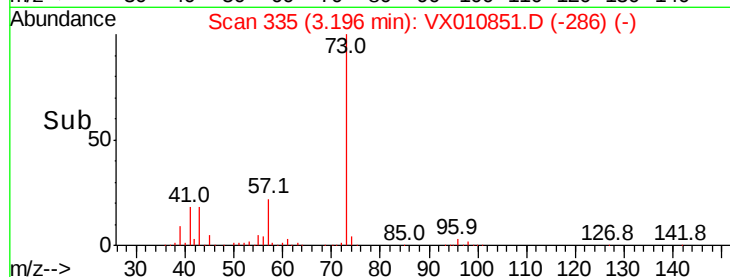
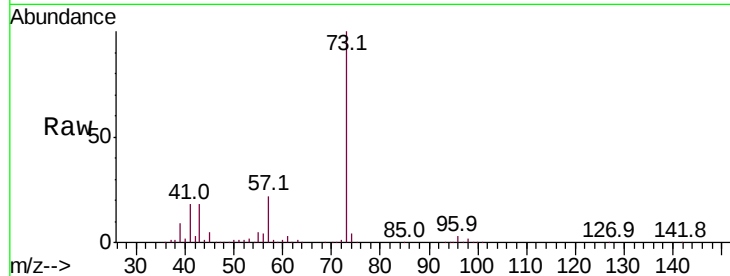
#19
Methyl tert-butyl Ether
Concen: 45.897 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010851.D
Acq: 12 Jul 2019 21:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 296522
Ion Ratio Lower Upper
73 100
57 21.6 16.4 24.6

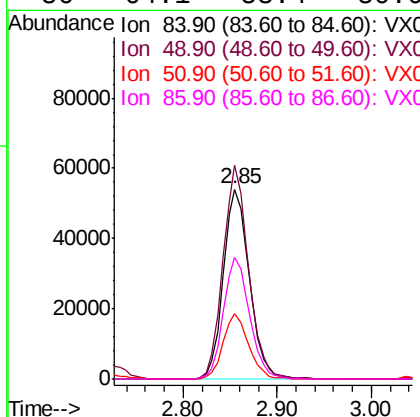
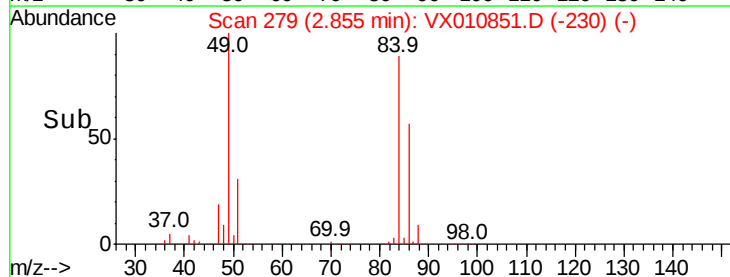
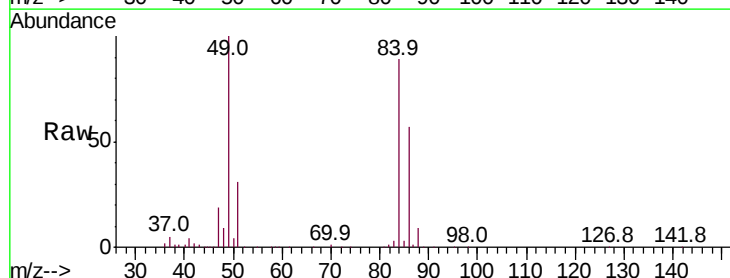
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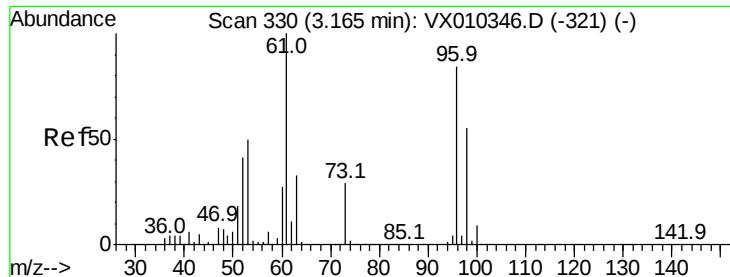
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#20
Methylene Chloride
Concen: 45.199 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010851.D
Acq: 12 Jul 2019 21:29

Tgt Ion: 84 Resp: 103557
Ion Ratio Lower Upper
84 100
49 112.4 87.5 131.3
51 34.6 27.7 41.5
86 64.1 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 42.827 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010851.D

Acq: 12 Jul 2019 21:29

Instrument :

MSVOA_X

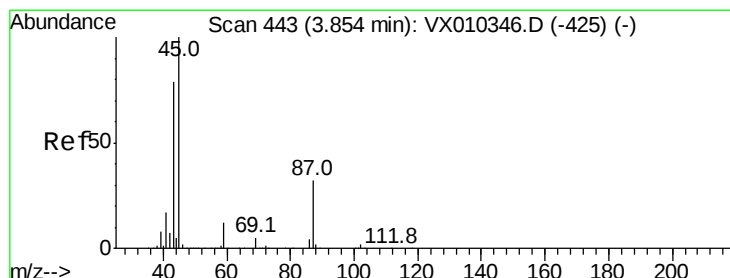
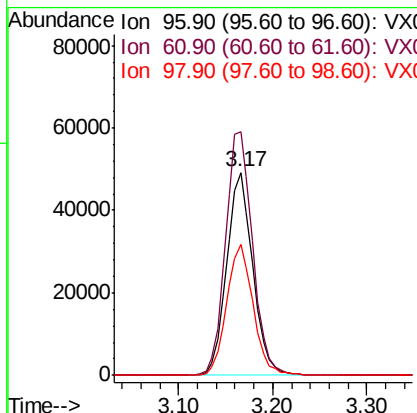
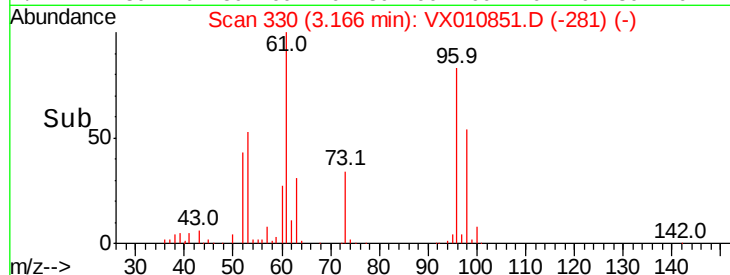
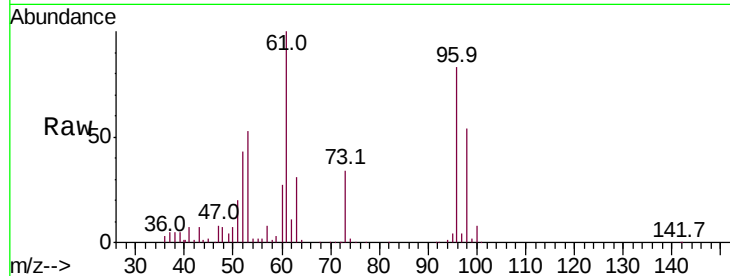
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	94592
Ion	Ratio	Lower	Upper
96	100		
61	119.7	95.6	143.4
98	64.5	52.5	78.7

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#22

Diisopropyl ether

Concen: 46.528 ug/l

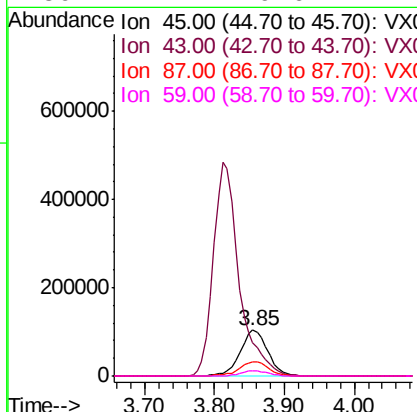
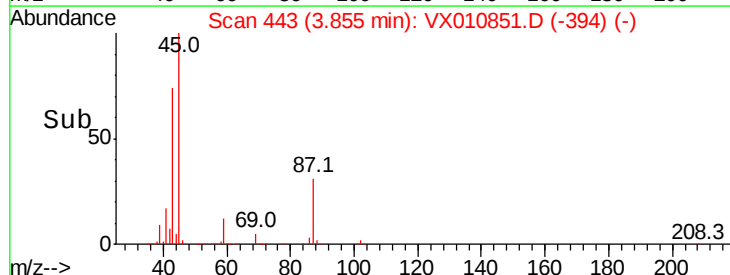
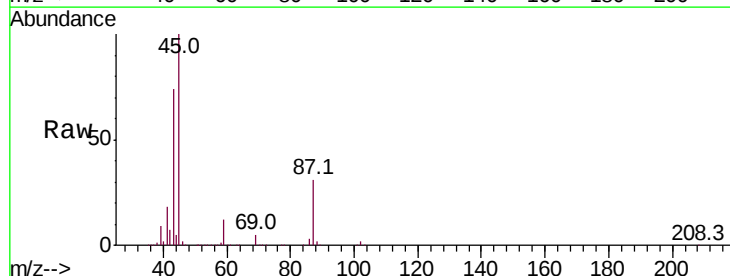
RT: 3.85 min Scan# 443

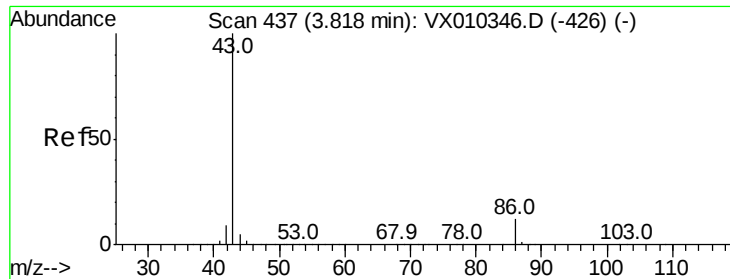
Delta R.T. 0.00 min

Lab File: VX010851.D

Acq: 12 Jul 2019 21:29

Tgt Ion:	45	Resp:	283628
Ion	Ratio	Lower	Upper
45	100		
43	73.5	63.3	94.9
87	30.7	25.8	38.8
59	12.2	9.6	14.4





#23

Vinyl Acetate

Concen: 235.542 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010851.D

Acq: 12 Jul 2019 21:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1240393

Ion Ratio Lower Upper

43 100

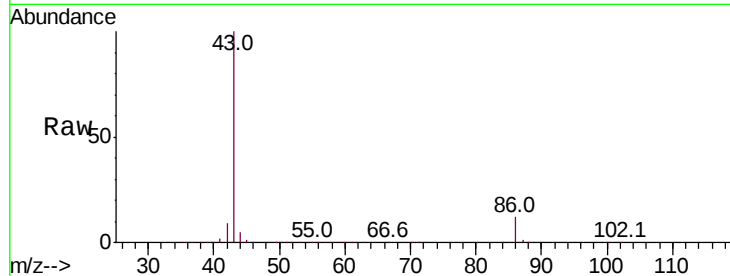
86 11.8 9.9 14.9

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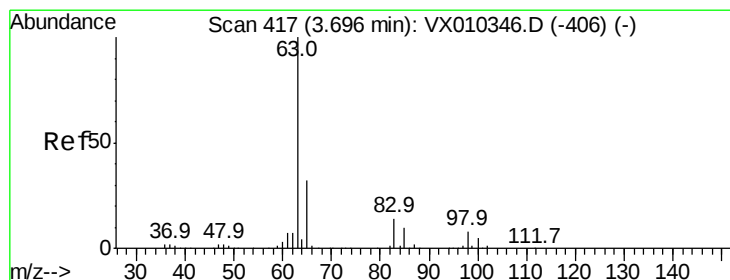
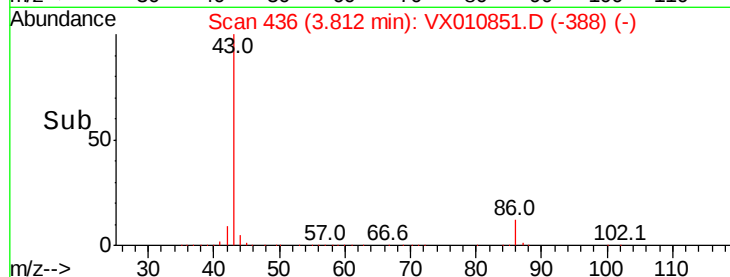
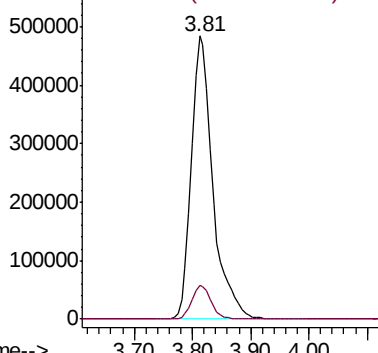
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 45.172 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010851.D

Acq: 12 Jul 2019 21:29

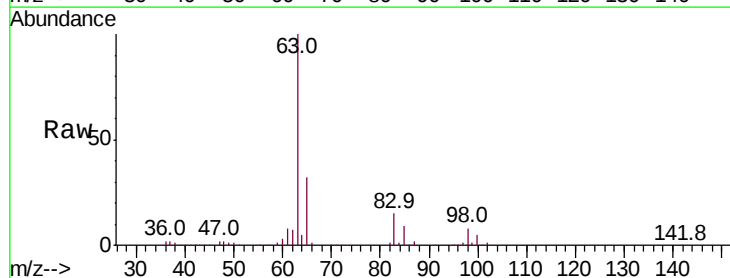
Tgt Ion: 63 Resp: 159167

Ion Ratio Lower Upper

63 100

98 8.1 3.9 11.7

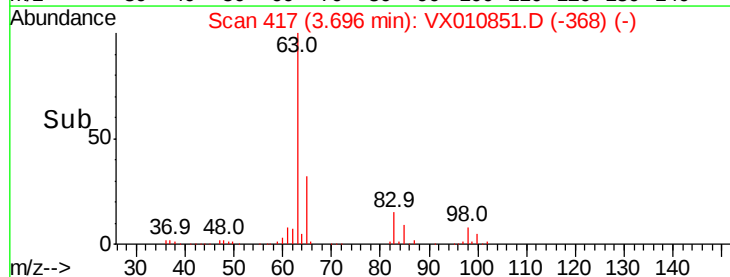
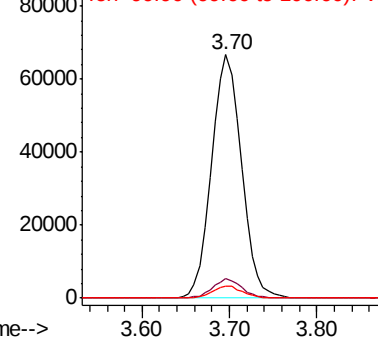
100 5.0 2.4 7.1

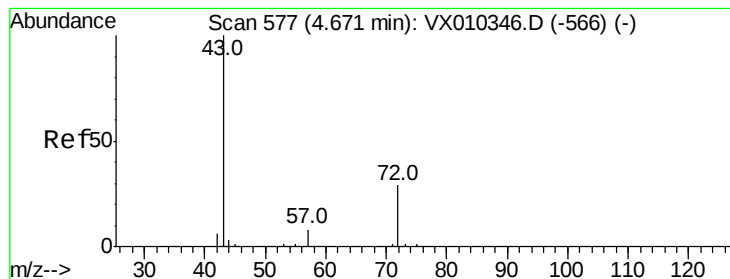


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 223.251 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010851.D

Acq: 12 Jul 2019 21:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 364590

Ion Ratio Lower Upper

43 100

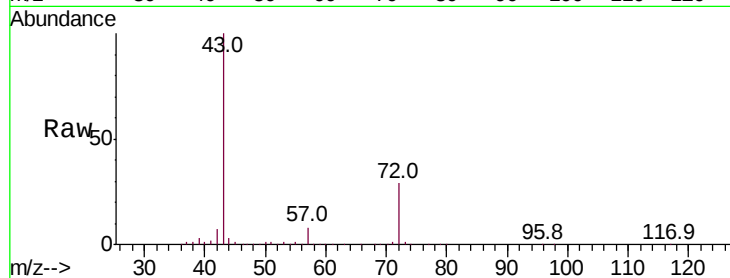
72 28.7 23.3 34.9

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

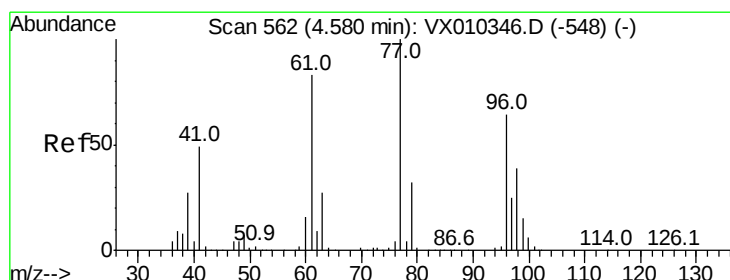
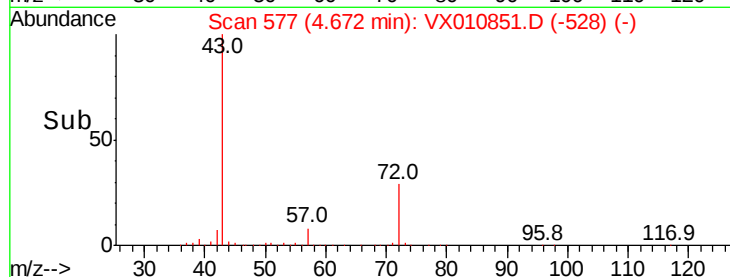
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 37.479 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010851.D

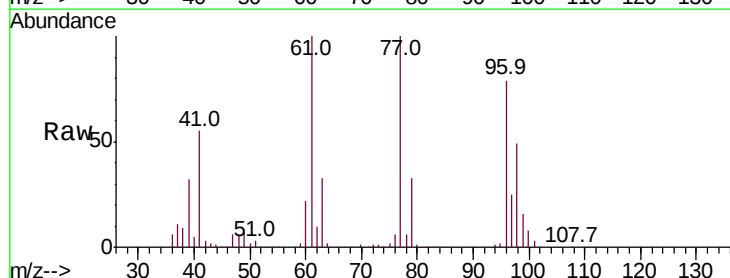
Acq: 12 Jul 2019 21:29

Tgt Ion: 77 Resp: 114721

Ion Ratio Lower Upper

77 100

97 26.0 13.1 39.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

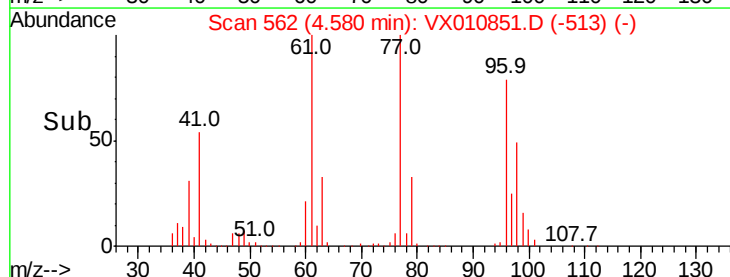
20000

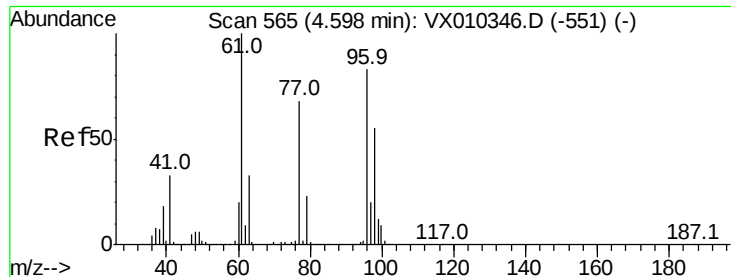
10000

0

4.40 4.50 4.60 4.70

Time-->





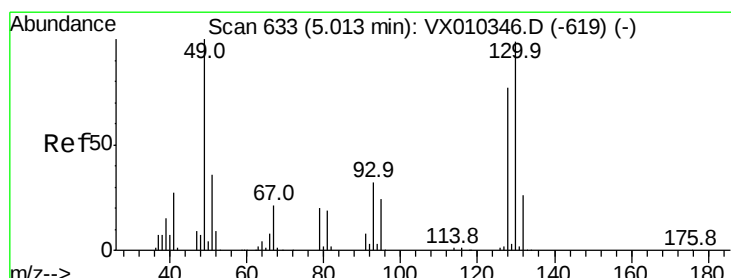
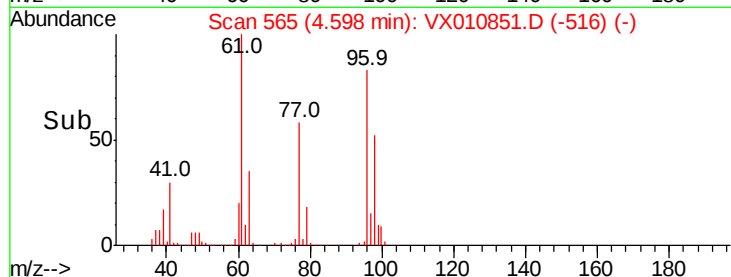
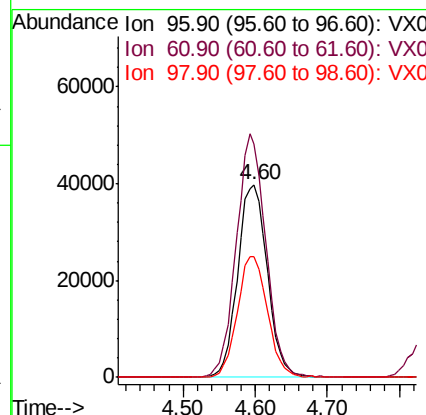
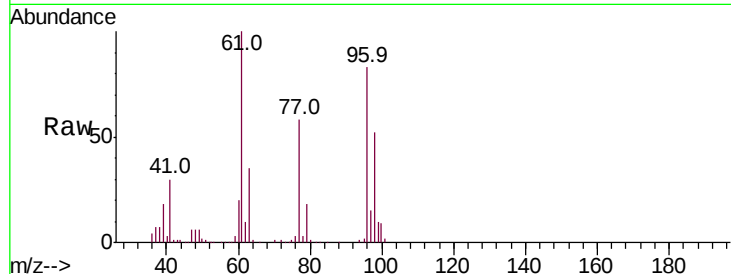
#27
 cis-1,2-Dichloroethene
 Concen: 44.645 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX010851.D
 Acq: 12 Jul 2019 21:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	126.0	0.0	251.8	
98	63.8	0.0	129.4	

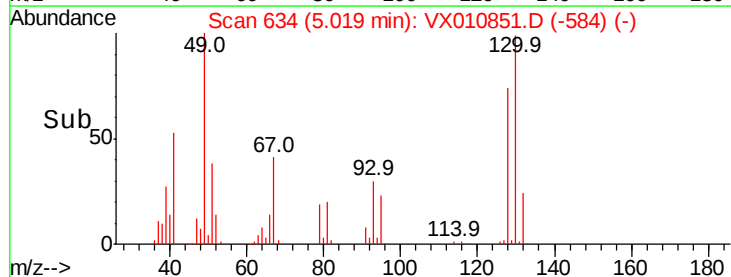
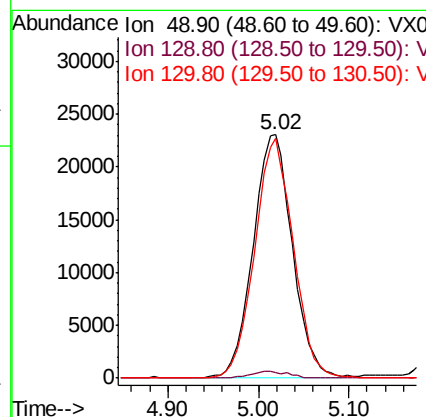
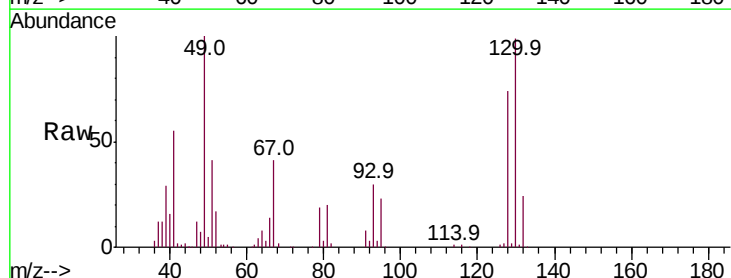
Manual Integrations
 APPROVED

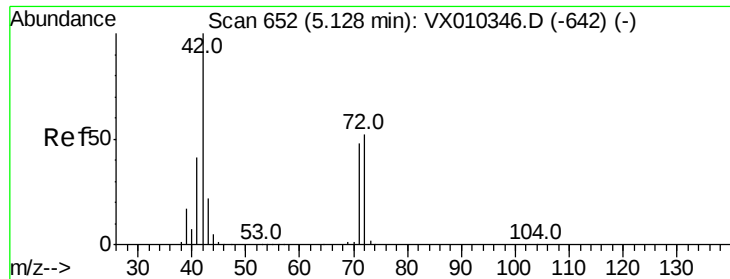
MMDadoda
 7/15/2019 11:01:16 AM



#28
 Bromochloromethane
 Concen: 40.988 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.01 min
 Lab File: VX010851.D
 Acq: 12 Jul 2019 21:29

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.5	0.0	5.6	
130	96.9	81.4	122.0	





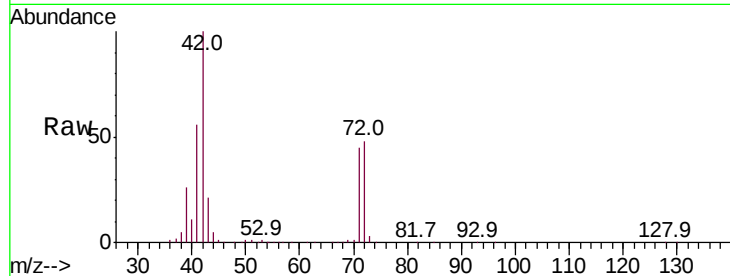
#29
Tetrahydrofuran
Concen: 229.555 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010851.D
Acq: 12 Jul 2019 21:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.1	40.6	60.8
71	46.2	37.8	56.8

Manual Integrations
APPROVED

MMDadoda
7/15/2019 11:01:16 AM

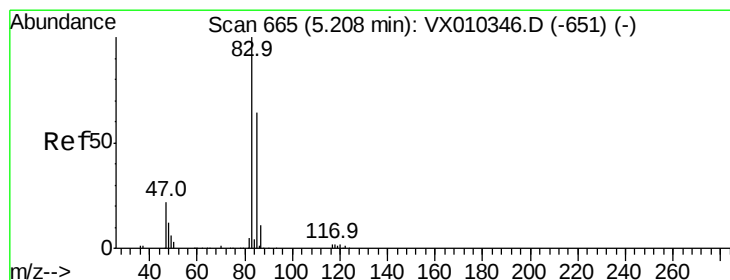
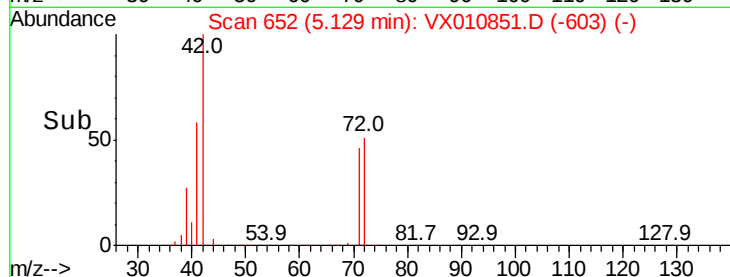
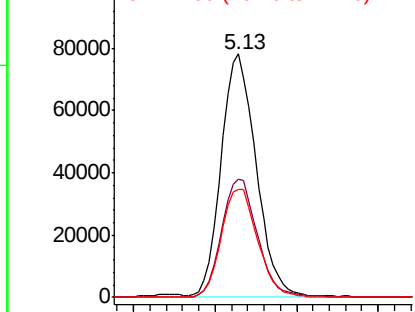


Abundance

Ion 42.00 (41.70 to 42.70): VX0

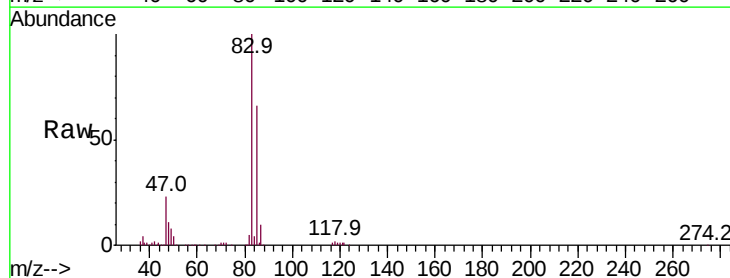
Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30
Chloroform
Concen: 45.887 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX010851.D
Acq: 12 Jul 2019 21:29

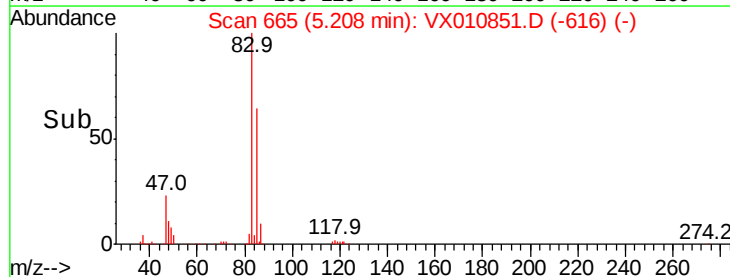
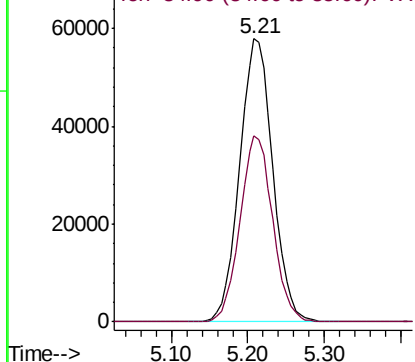
Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	50.9	76.3

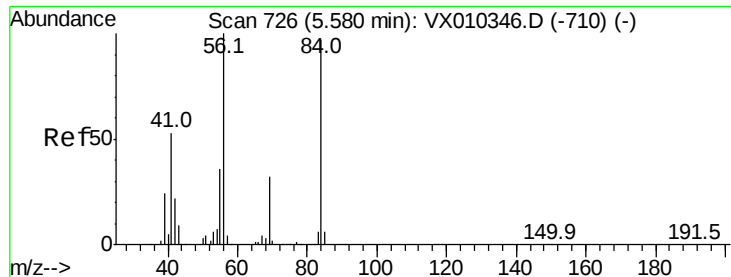


Abundance

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





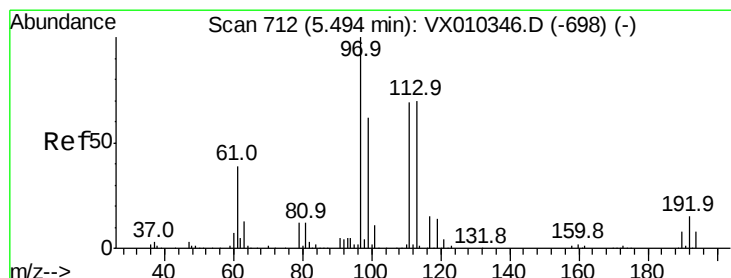
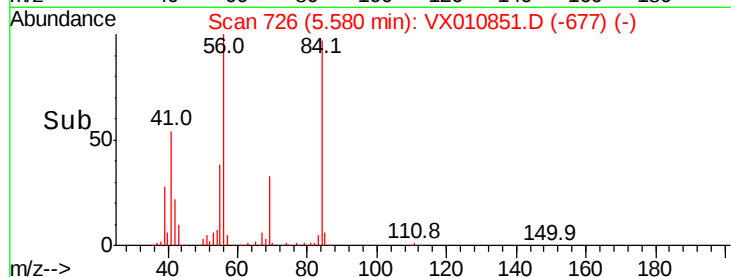
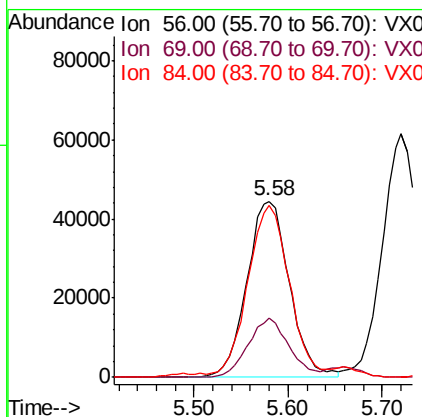
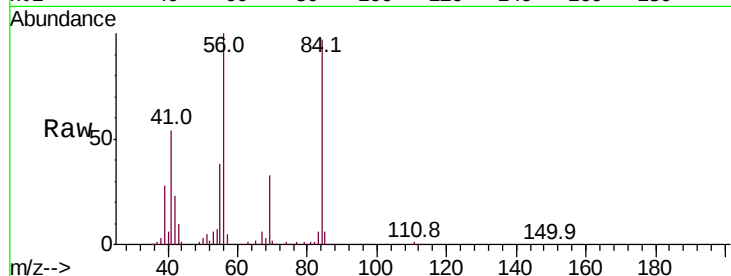
#31
Cyclohexane
Concen: 43.724 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX010851.D
Acq: 12 Jul 2019 21:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.5	25.9	38.9
84	95.2	78.0	117.0

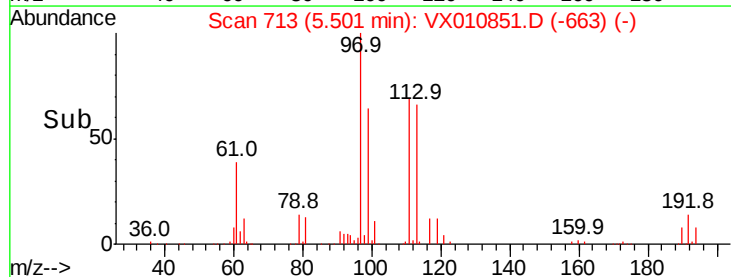
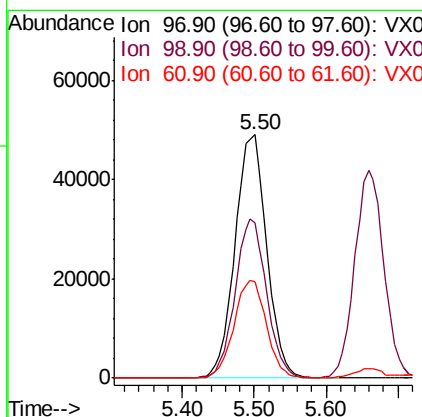
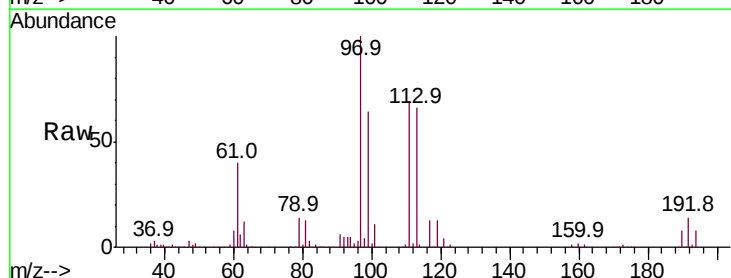
Manual Integrations
APPROVED

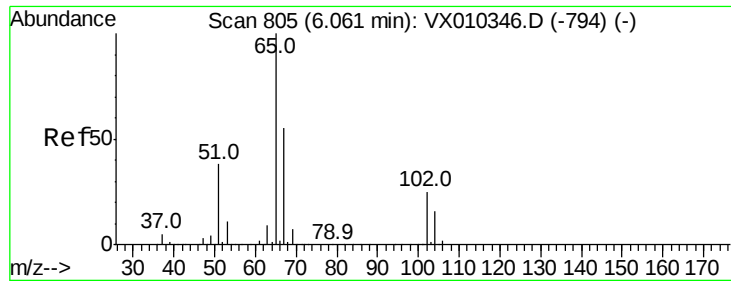
MMDadoda
7/15/2019 11:01:16 AM



#32
1,1,1-Trichloroethane
Concen: 44.828 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX010851.D
Acq: 12 Jul 2019 21:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.8	77.8
61	41.3	32.1	48.1





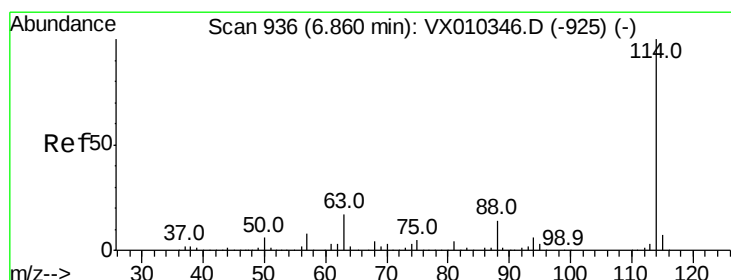
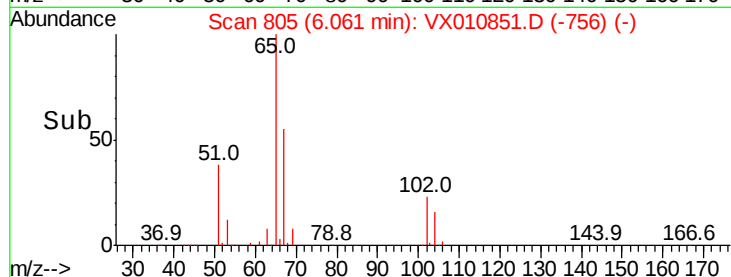
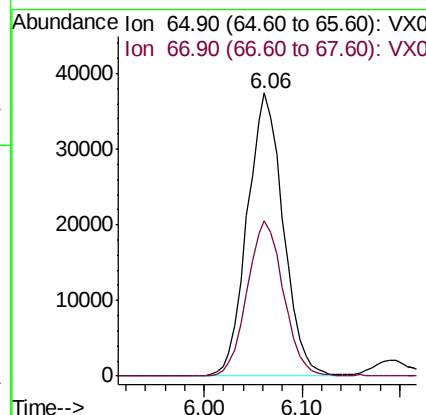
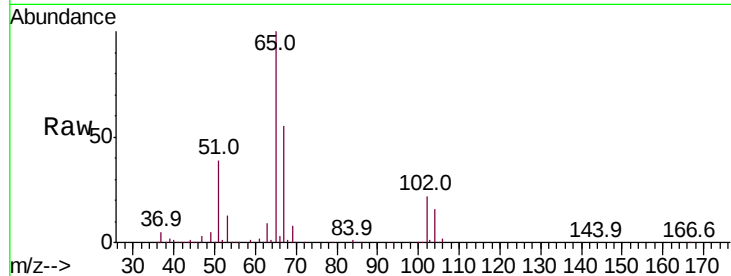
#33
 1,2-Dichloroethane-d4
 Concen: 43.171 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010851.D
 Acq: 12 Jul 2019 21:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.4	0.0	110.2

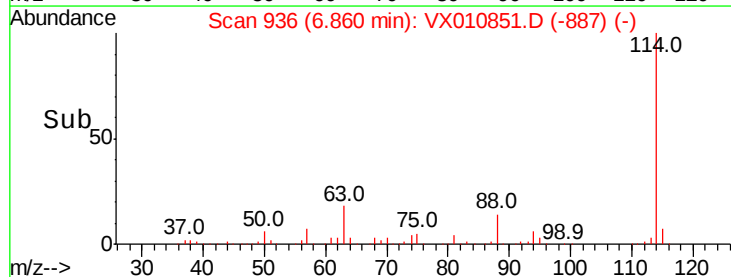
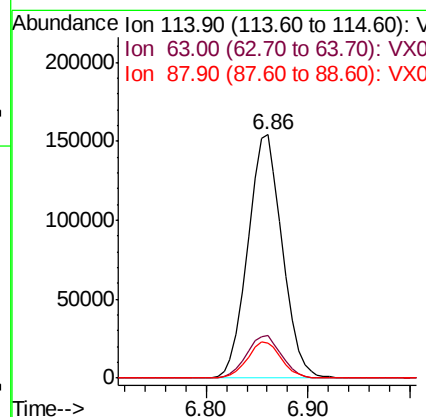
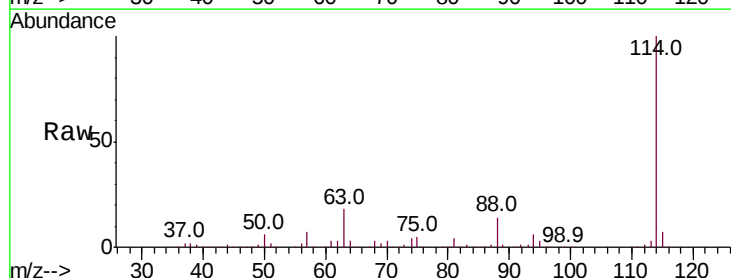
Manual Integrations
 APPROVED

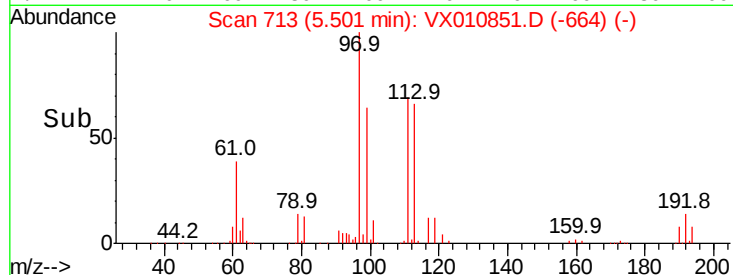
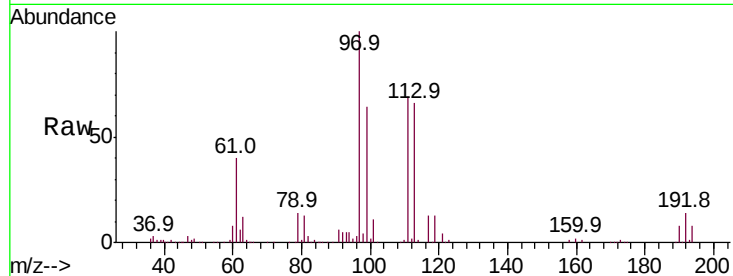
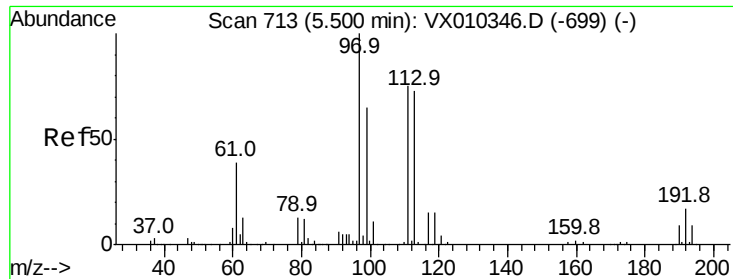
MMDadoda
 7/15/2019 11:01:16 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010851.D
 Acq: 12 Jul 2019 21:29

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.6	0.0	33.8
88	14.3	0.0	27.6





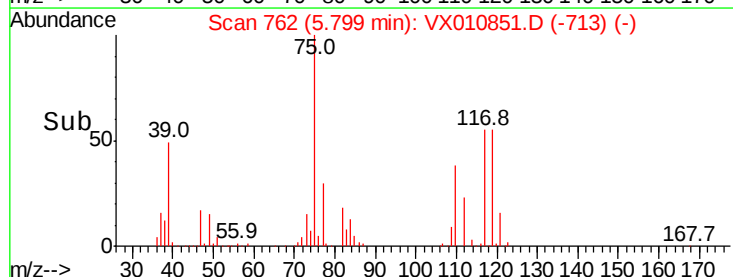
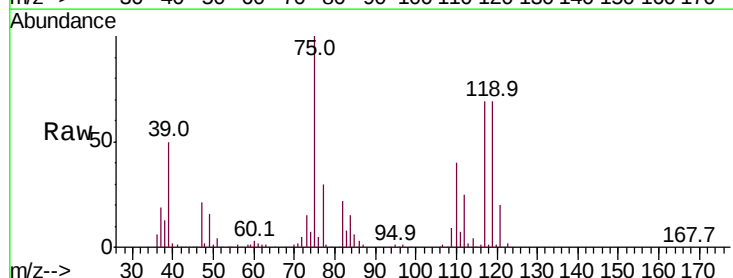
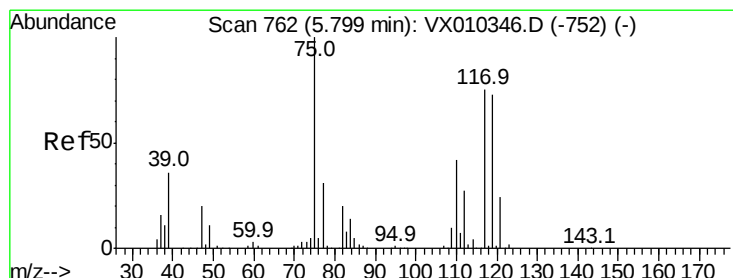
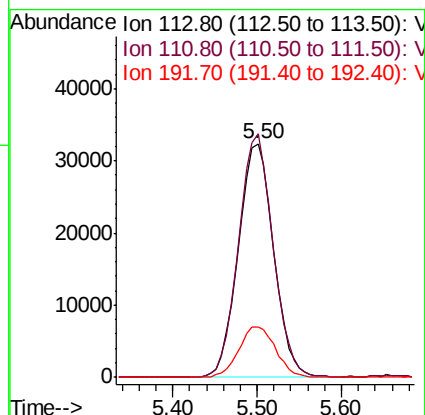
#35
Dibromofluoromethane
Concen: 41.477 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010851.D
Acq: 12 Jul 2019 21:29

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.2	121.8
192	22.5	18.6	27.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

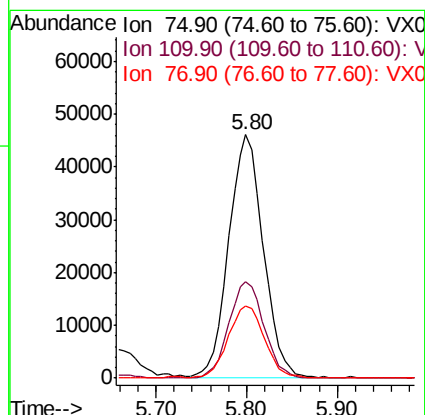
Manual Integrations
APPROVED

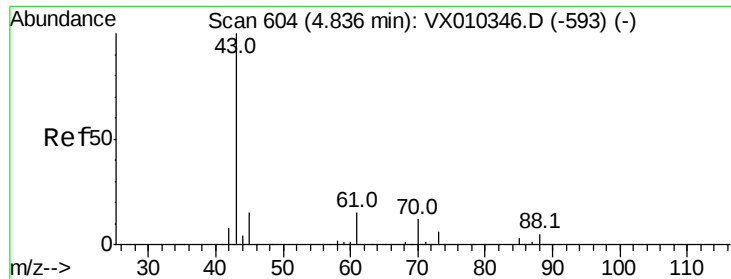
MMDadoda
7/15/2019 11:01:16 AM



#36
1,1-Dichloropropene
Concen: 42.239 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.00 min
Lab File: VX010851.D
Acq: 12 Jul 2019 21:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	40.5	20.8	62.2
77	31.1	25.4	38.0





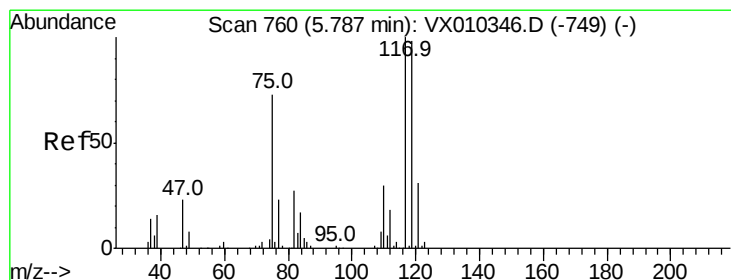
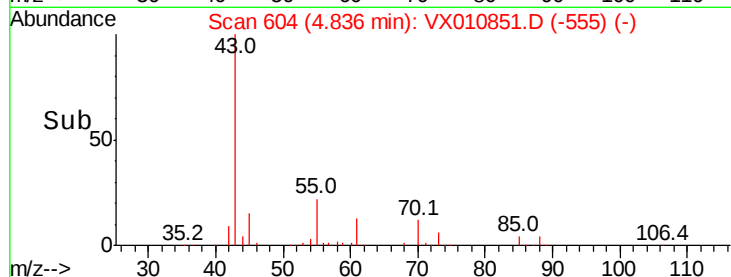
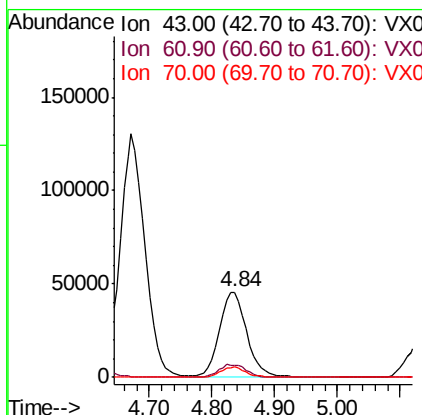
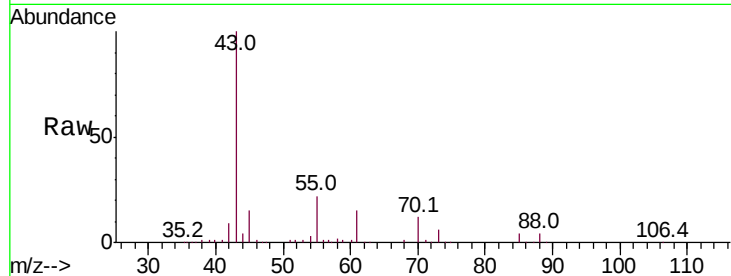
#37
Ethyl Acetate
Concen: 46.522 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX010851.D
Acq: 12 Jul 2019 21:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	12.4	18.6
70	11.7	9.8	14.8

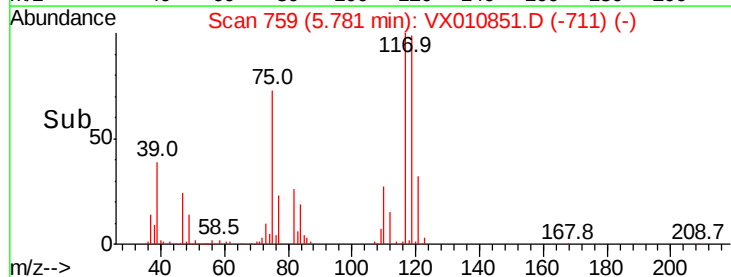
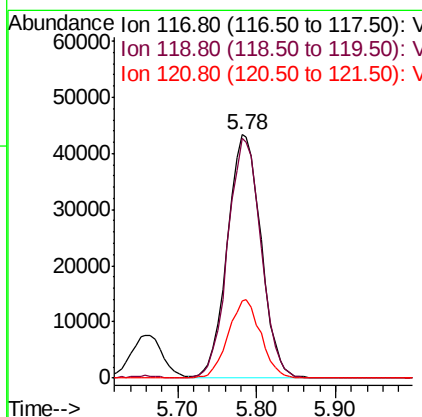
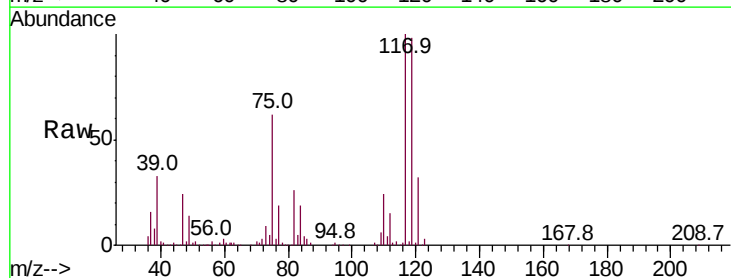
Manual Integrations
APPROVED

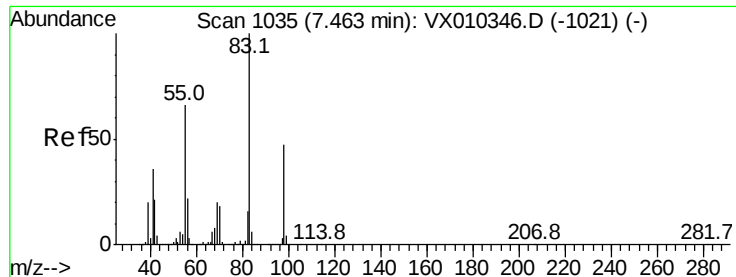
MMDadoda
7/15/2019 11:01:16 AM



#38
Carbon Tetrachloride
Concen: 41.376 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX010851.D
Acq: 12 Jul 2019 21:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	78.2	117.4
121	31.9	24.7	37.1





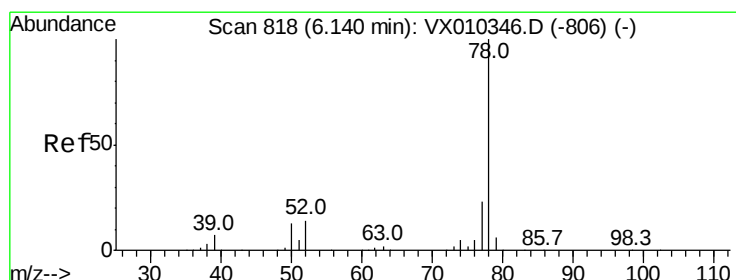
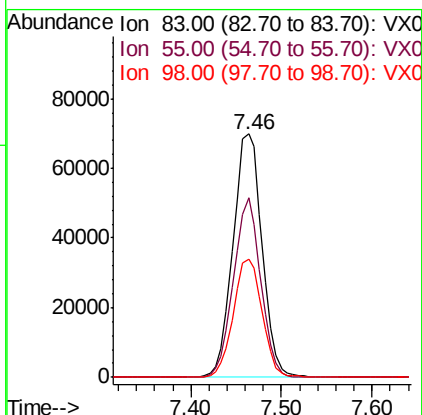
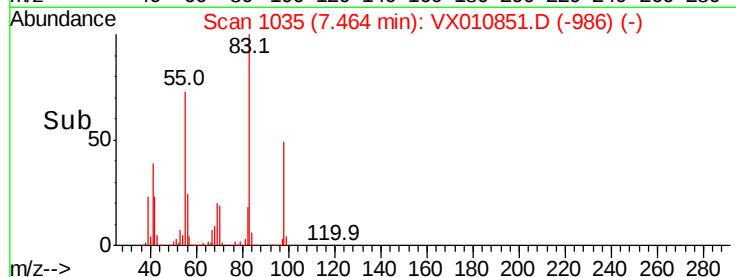
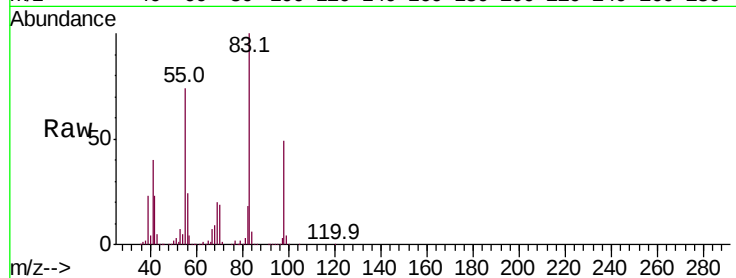
#39
Methvlcvclohexane
Concen: 40.942 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010851.D
Acq: 12 Jul 2019 21:29

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.5	53.0	79.6
98	48.6	37.8	56.8

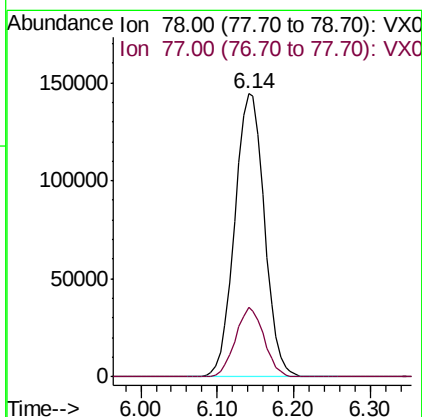
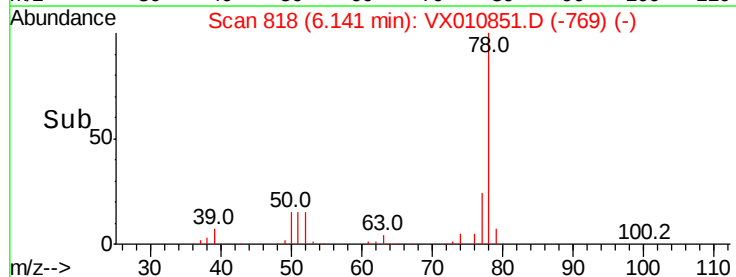
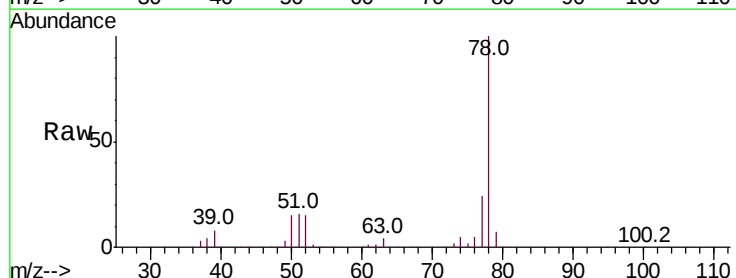
Manual Integrations
APPROVED

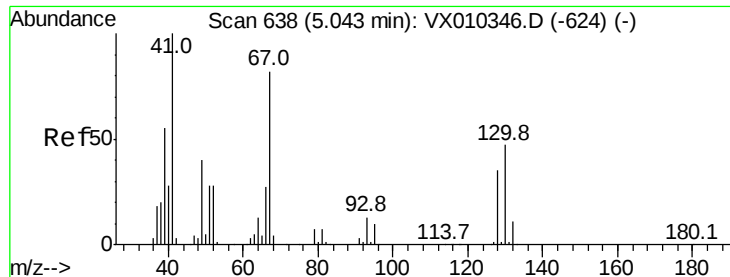
MMDadoda
7/15/2019 11:01:16 AM



#40
Benzene
Concen: 43.284 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010851.D
Acq: 12 Jul 2019 21:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.6	28.0





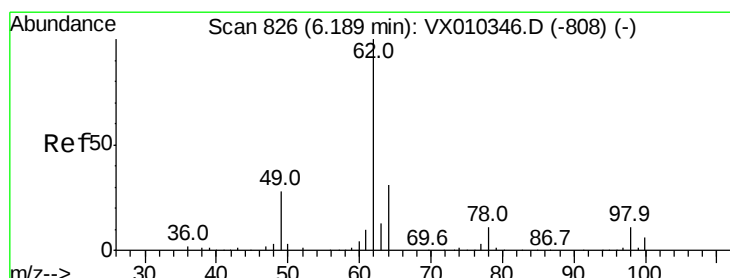
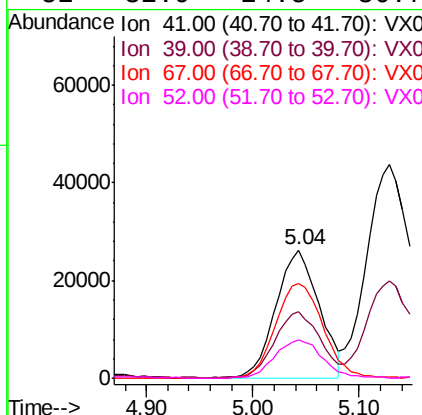
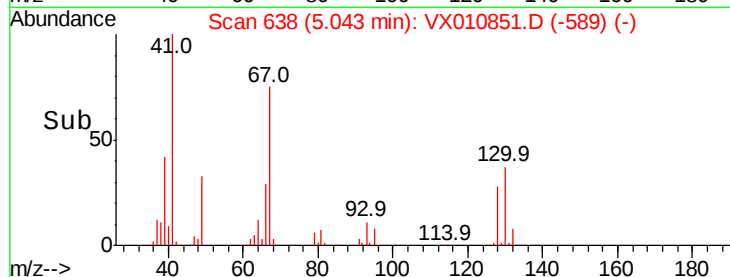
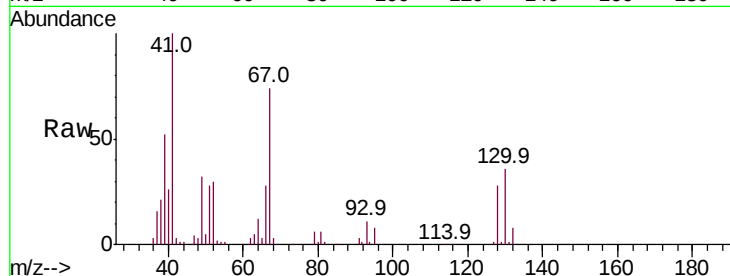
#41
Methacrylonitrile
Concen: 45.013 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX010851.D
Acq: 12 Jul 2019 21:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.1	43.8	65.8
67	82.0	66.6	100.0
52	32.9	24.5	36.7

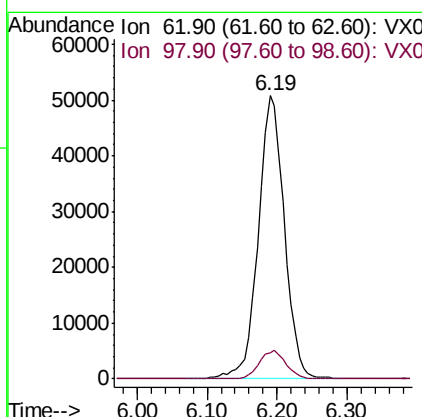
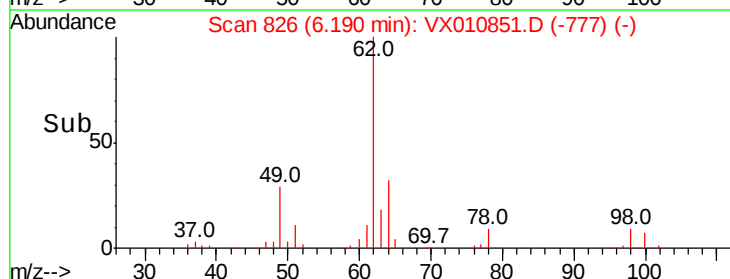
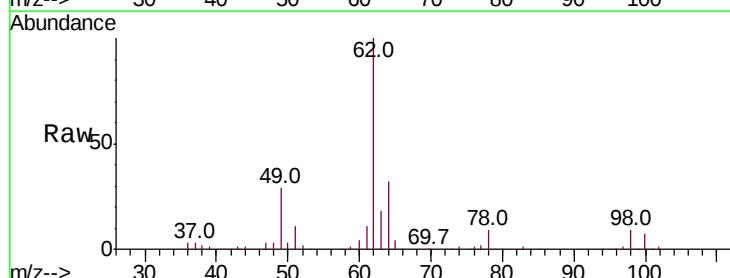
Manual Integrations
APPROVED

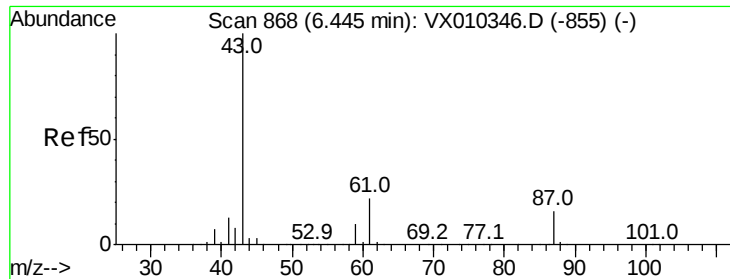
MMDadoda
7/15/2019 11:01:16 AM



#42
1,2-Dichloroethane
Concen: 48.177 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX010851.D
Acq: 12 Jul 2019 21:29

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	22.2





#43

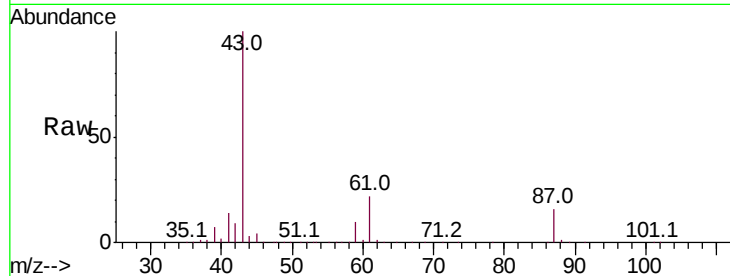
Isopropyl Acetate
 Concen: 44.840 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX010851.D
 Acq: 12 Jul 2019 21:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

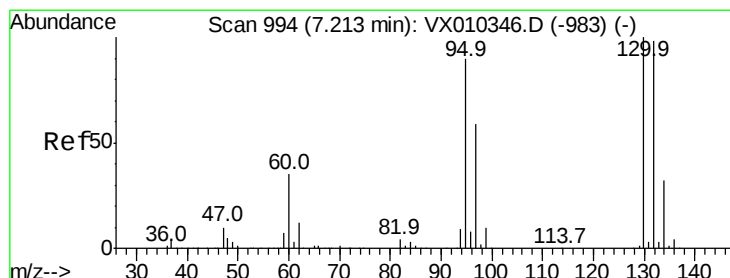
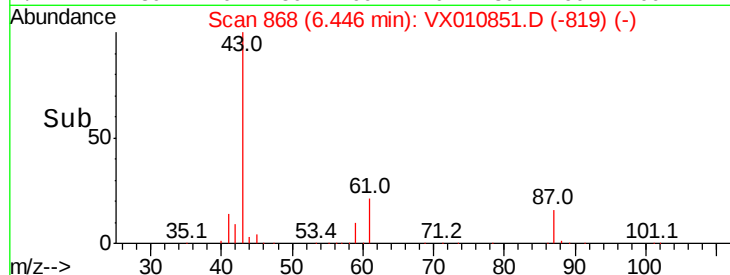
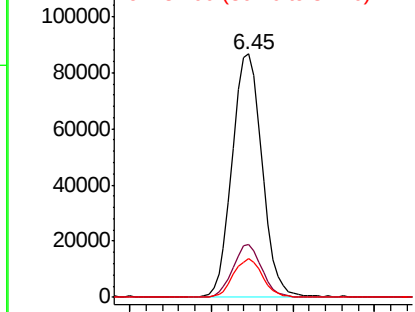
Tot Ion	Ratio	Lower	Upper
43	100		
61	21.1	17.8	26.6
87	15.4	13.0	19.4

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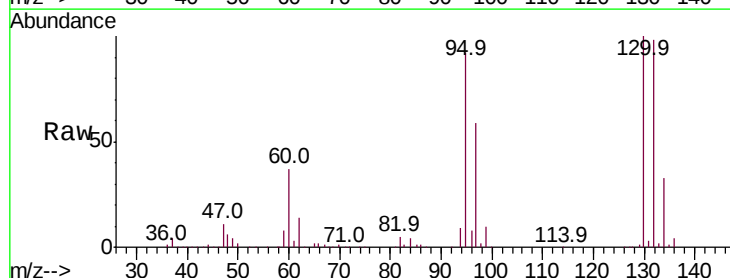
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



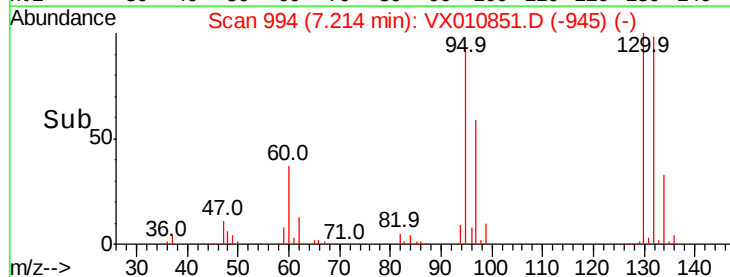
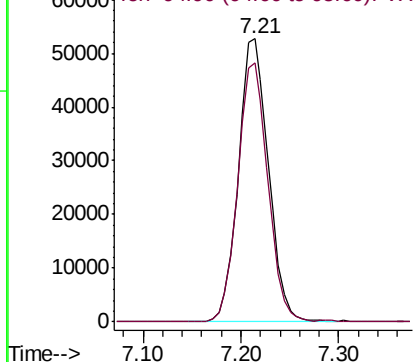
#44

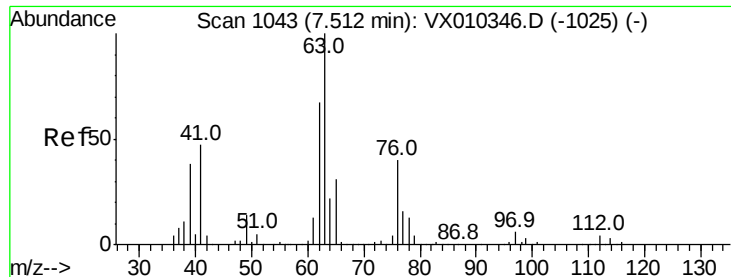
Trichloroethene
 Concen: 41.831 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX010851.D
 Acq: 12 Jul 2019 21:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.6	0.0	180.8



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





#45

1,2-Dichloropropane

Concen: 44.069 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX010851.D

Acq: 12 Jul 2019 21:29

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 63 Resp: 99764

Ion Ratio Lower Upper

63 100

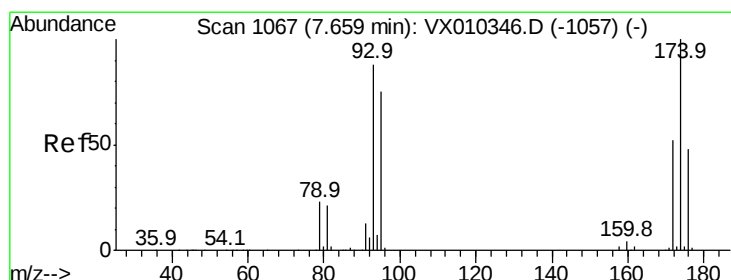
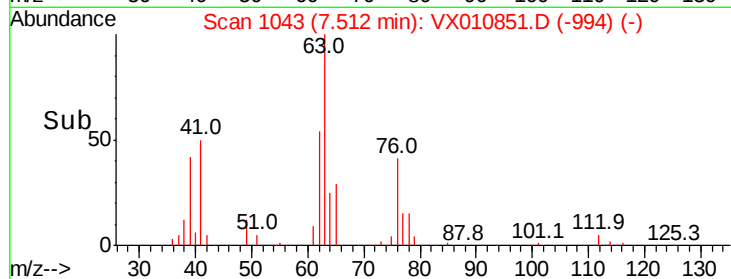
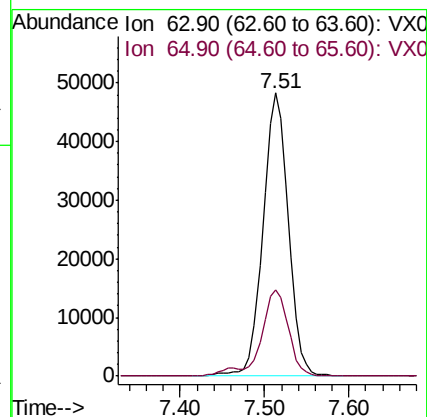
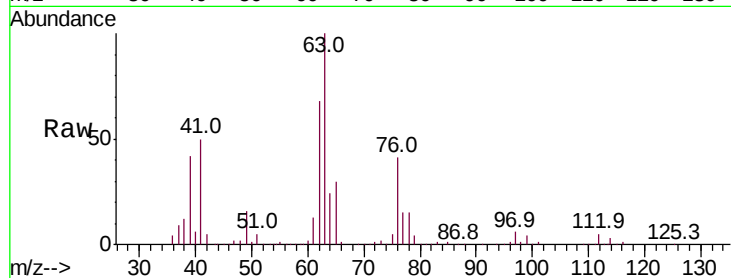
65 30.5 24.8 37.2

Manual Integrations

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#46

Dibromomethane

Concen: 44.624 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX010851.D

Acq: 12 Jul 2019 21:29

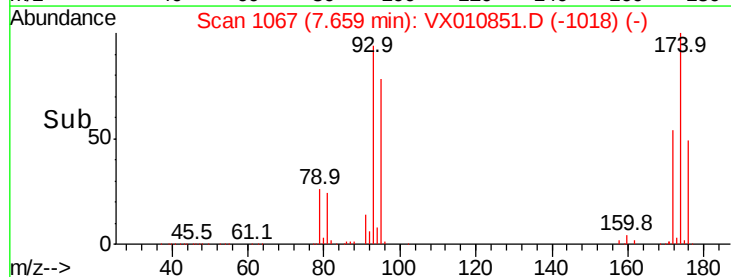
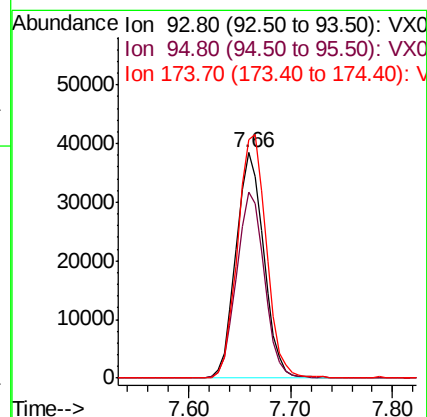
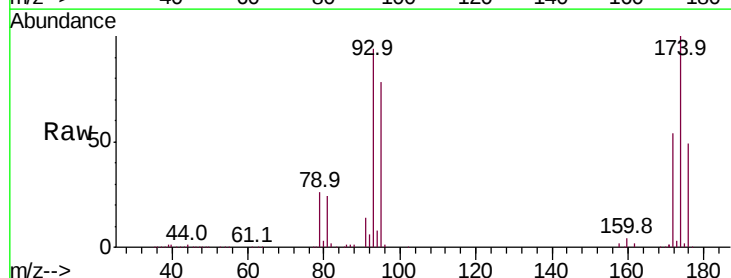
Tgt Ion: 93 Resp: 72479

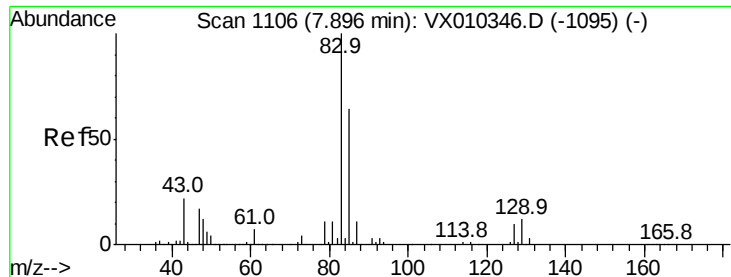
Ion Ratio Lower Upper

93 100

95 82.3 67.5 101.3

174 111.5 95.8 143.6





#47

Bromodichloromethane

Concen: 43.232 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010851.D

Acq: 12 Jul 2019 21:29

Instrument :

MSVOA_X

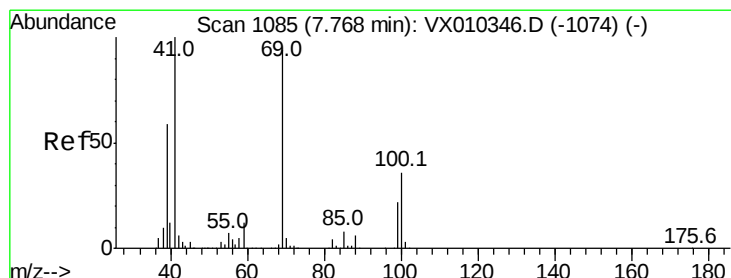
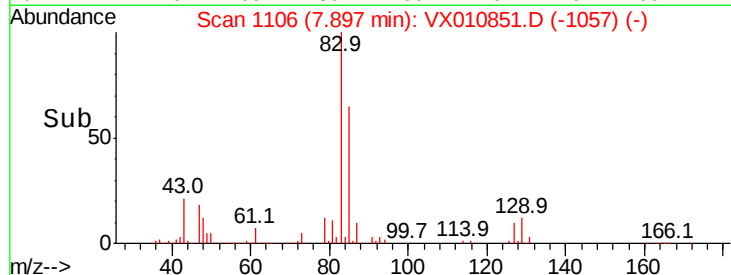
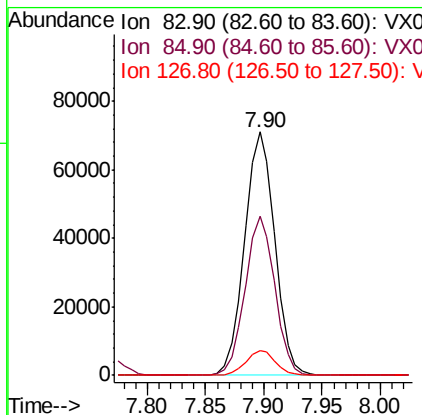
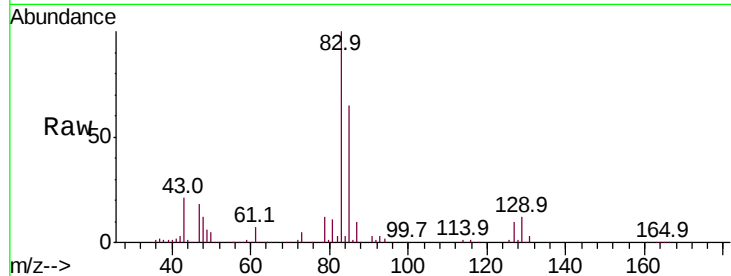
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	128682
Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.5	77.3
127	9.9	7.8	11.8

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#48

Methyl methacrylate

Concen: 46.814 ug/l

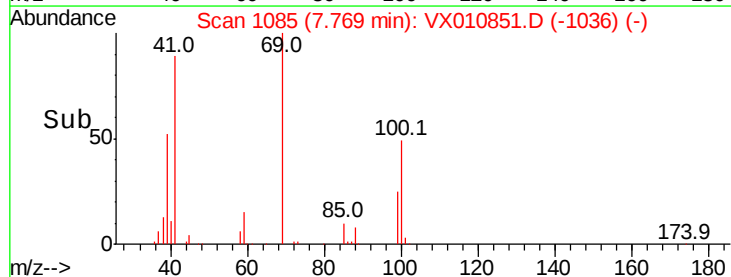
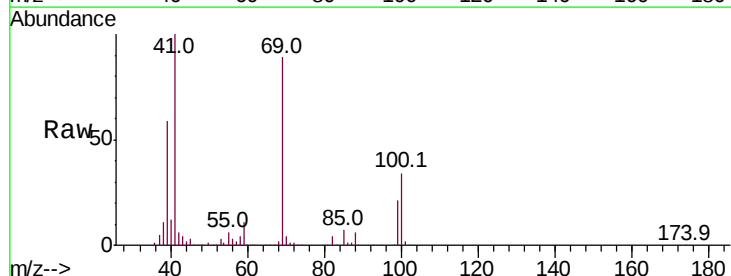
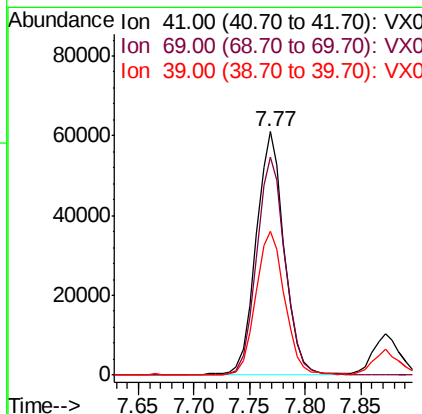
RT: 7.77 min Scan# 1085

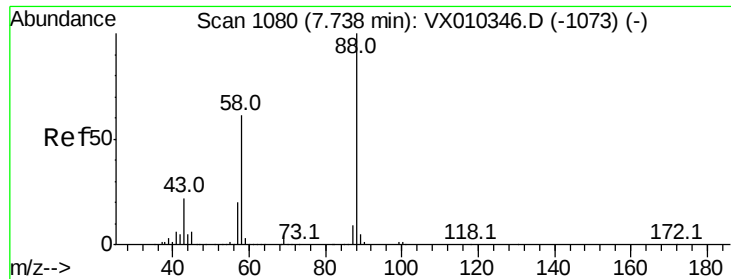
Delta R.T. 0.00 min

Lab File: VX010851.D

Acq: 12 Jul 2019 21:29

Tgt Ion:	41	Resp:	106569
Ion	Ratio	Lower	Upper
41	100		
69	91.8	76.1	114.1
39	60.6	47.6	71.4





#49

1,4-Dioxane

Concen: 876.795 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX010851.D

Acq: 12 Jul 2019 21:29

Instrument :

MSVOA_X

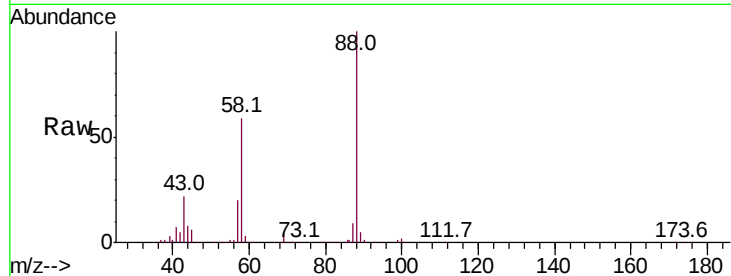
ClientSampleId :

VSTDCCC050

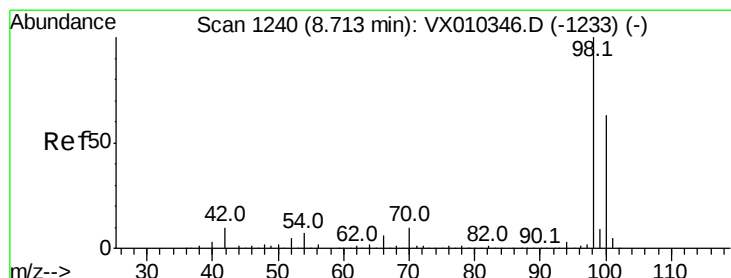
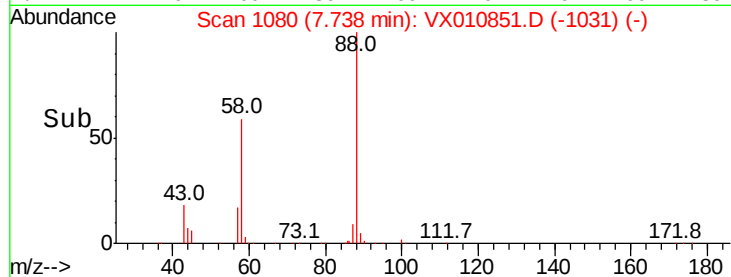
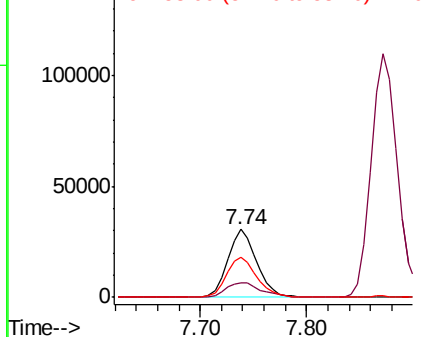
Tot Ion:	88	Resp:	57499
Ion	Ratio	Lower	Upper
88	100		
43	27.3	20.2	30.2
58	63.3	49.5	74.3

Manual Integrations
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Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 39.706 ug/l

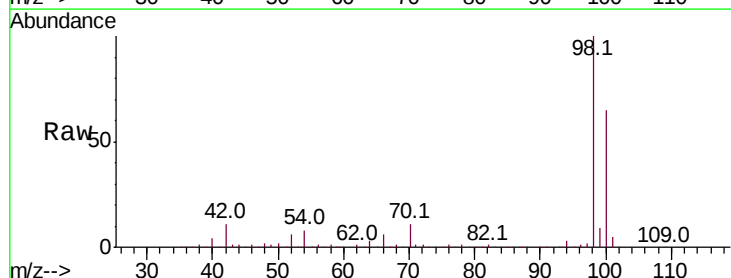
RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

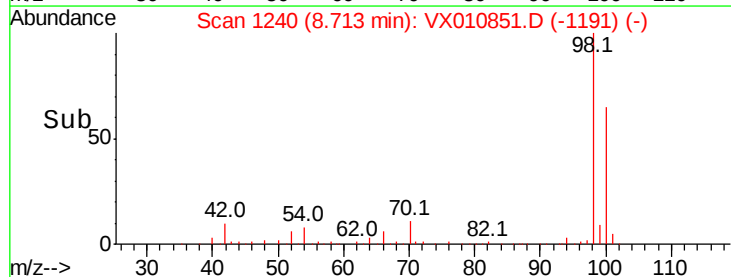
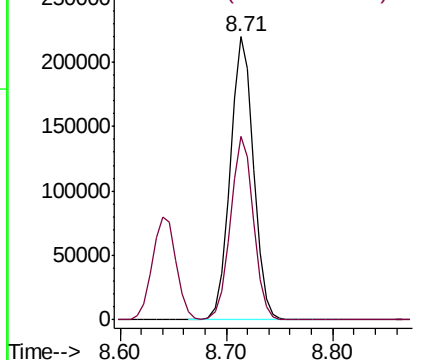
Lab File: VX010851.D

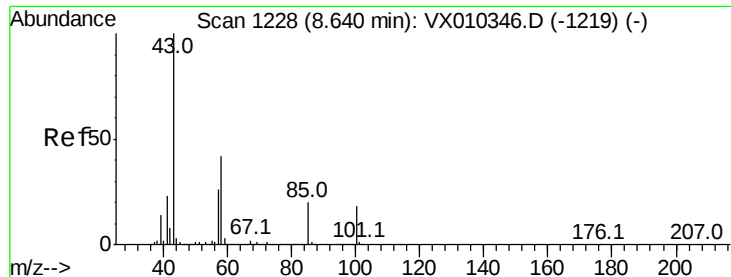
Acq: 12 Jul 2019 21:29

Tgt Ion:	98	Resp:	336538
Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.6	77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 236.348 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010851.D

Acq: 12 Jul 2019 21:29

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 740309

Ion Ratio Lower Upper

43 100

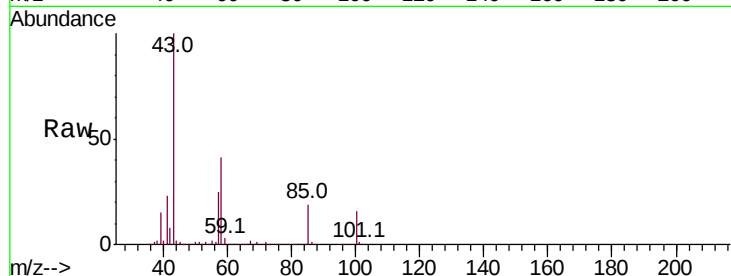
58 40.6 33.5 50.3

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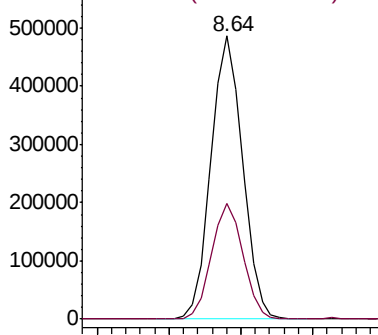
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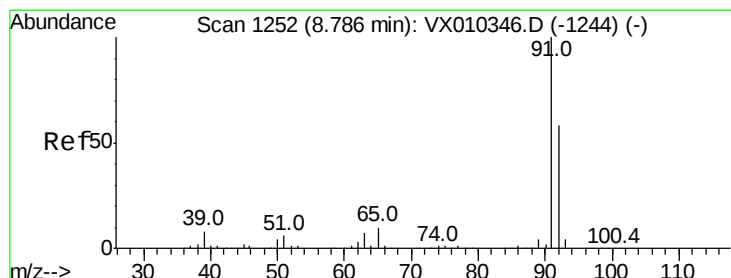
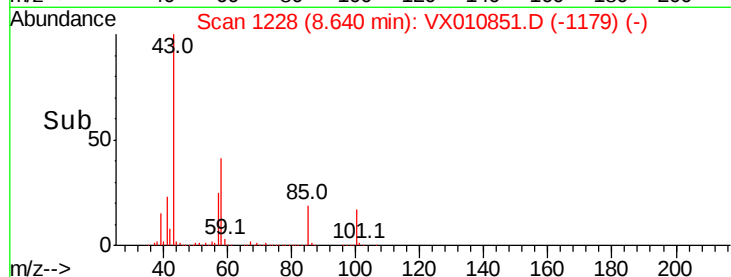


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time--> 8.55 8.60 8.65 8.70



#52

Toluene

Concen: 43.016 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX010851.D

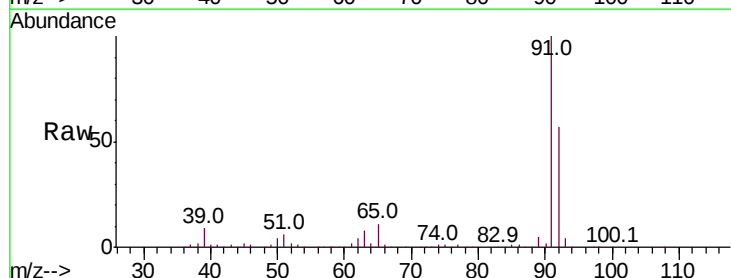
Acq: 12 Jul 2019 21:29

Tgt Ion: 92 Resp: 253941

Ion Ratio Lower Upper

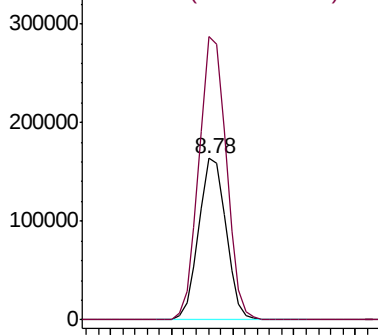
92 100

91 175.3 139.8 209.6

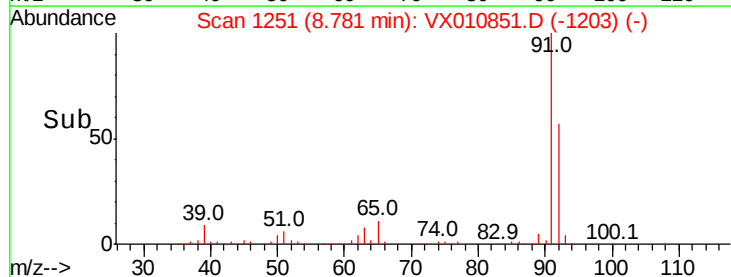


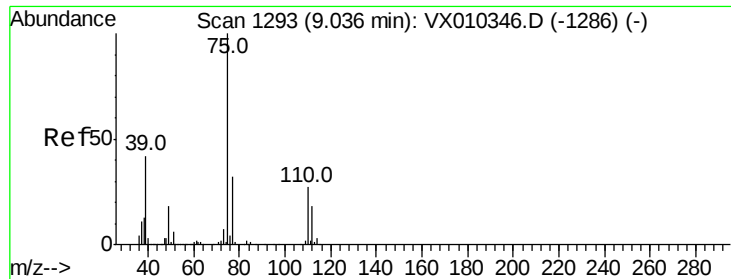
Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



Time--> 8.70 8.75 8.80 8.85 8.90





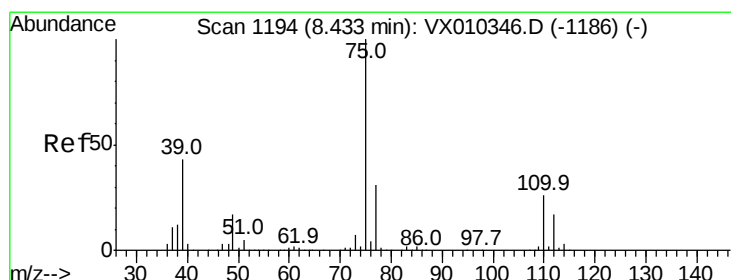
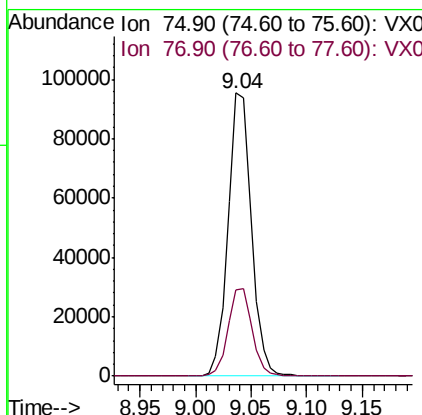
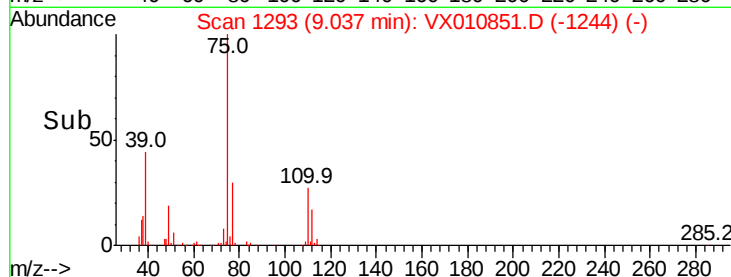
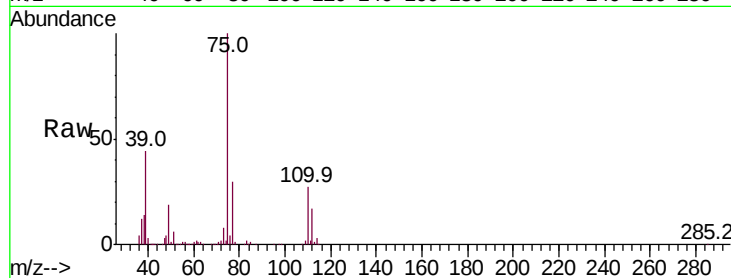
#53
t-1,3-Dichloropropene
Concen: 41.446 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX010851.D
Acq: 12 Jul 2019 21:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.4	38.2

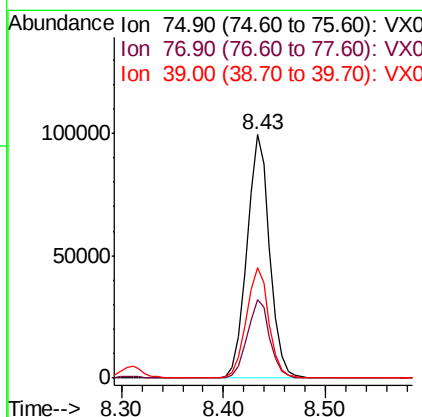
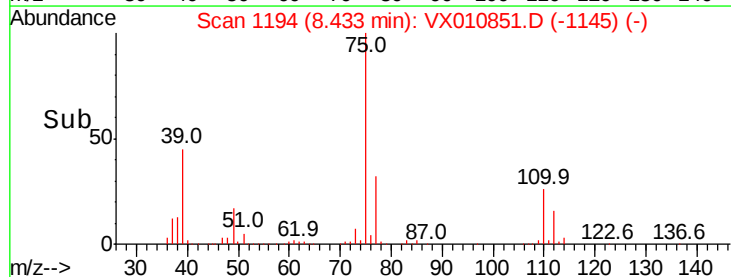
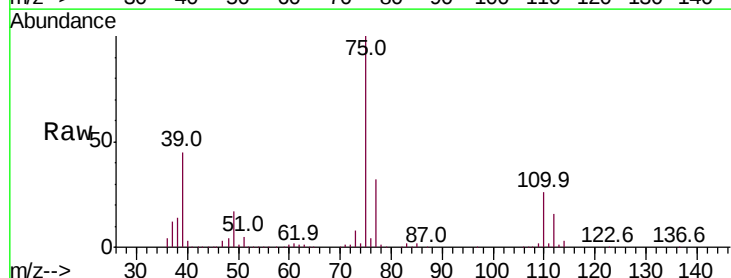
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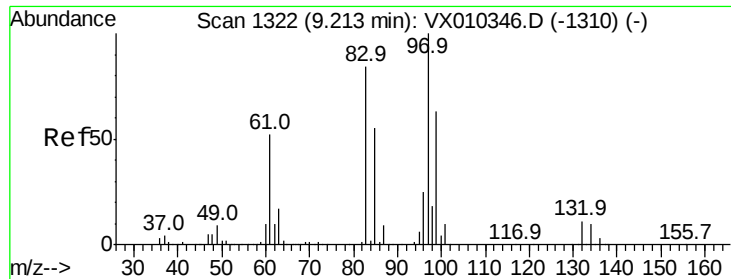
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#54
cis-1,3-Dichloropropene
Concen: 42.304 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010851.D
Acq: 12 Jul 2019 21:29

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.2	37.8
39	45.0	34.5	51.7





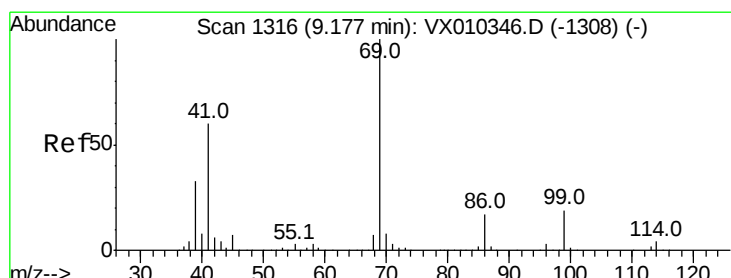
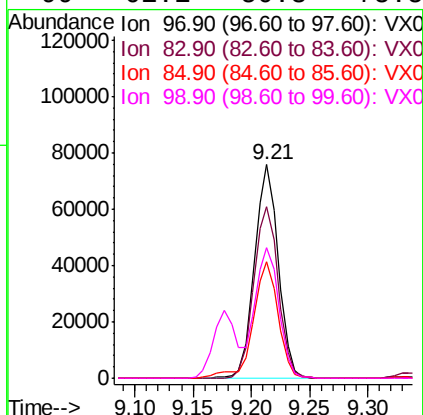
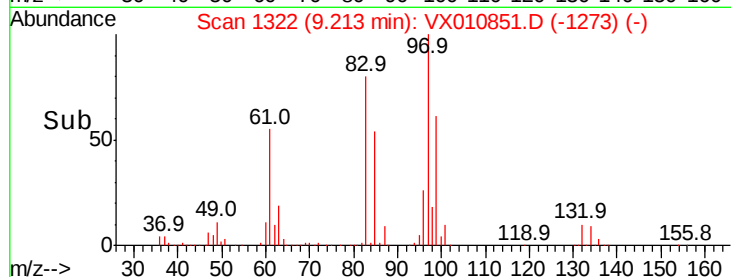
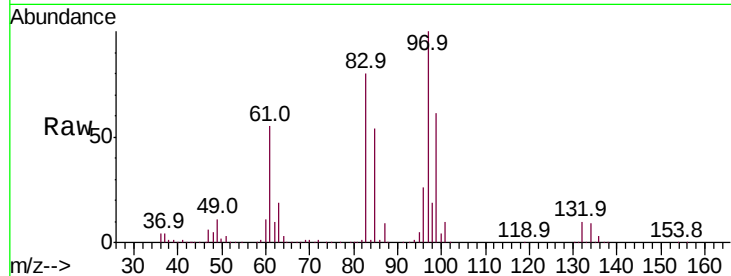
#55
 1,1,2-Trichloroethane
 Concen: 44.522 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010851.D
 Acq: 12 Jul 2019 21:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	108398		
83	80.1	67.4	101.0	
85	54.3	43.8	65.8	
99	61.1	50.3	75.5	

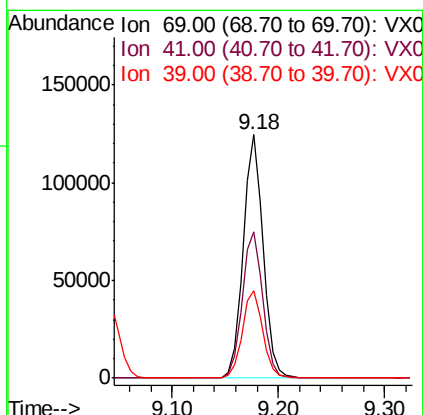
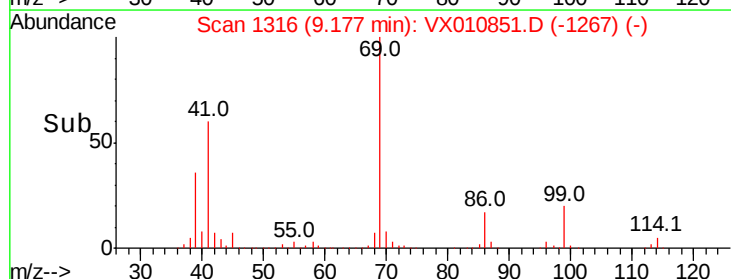
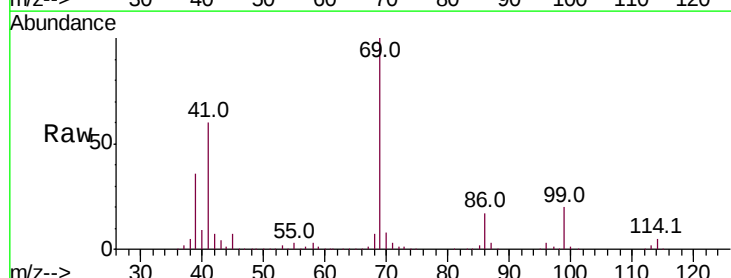
Manual Integrations
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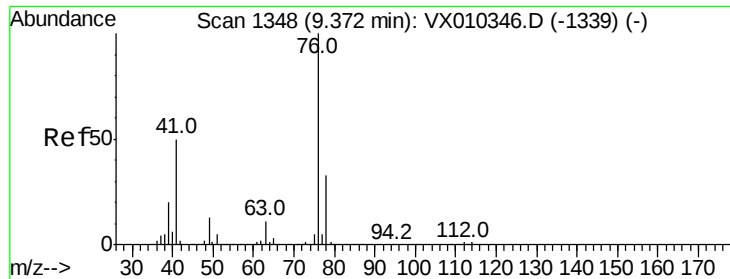
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#56
 Ethyl methacrylate
 Concen: 44.306 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010851.D
 Acq: 12 Jul 2019 21:29

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	163411		
41	61.9	47.1	70.7	
39	36.5	26.6	40.0	





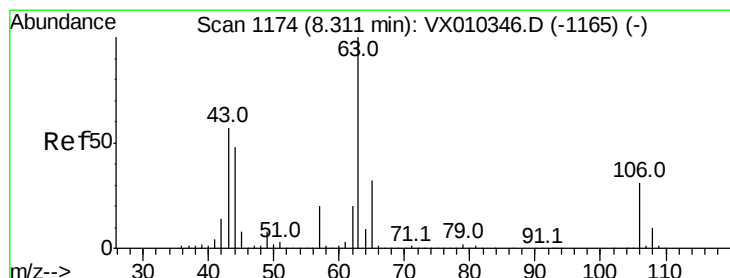
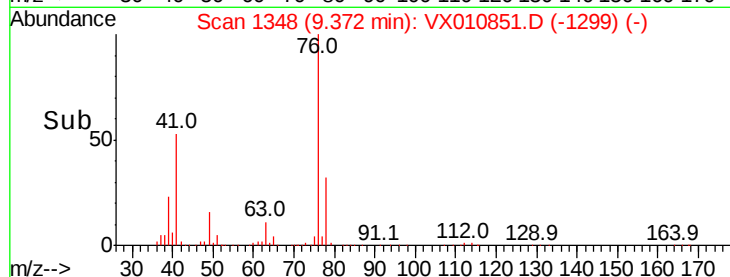
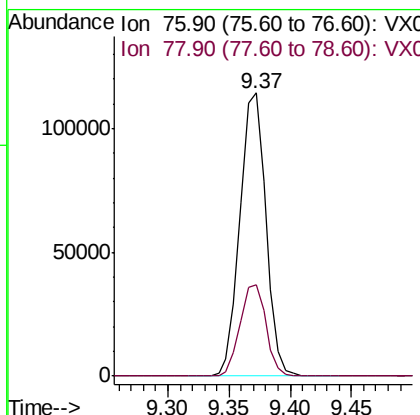
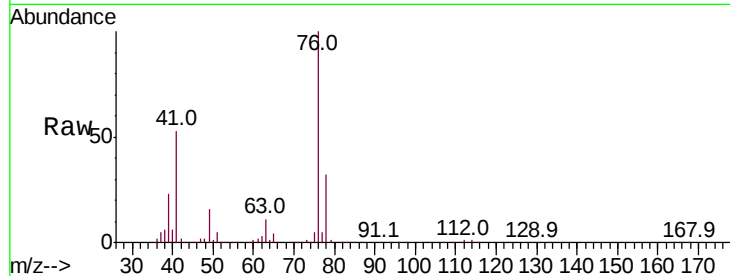
#57
 1,3-Dichloropropane
 Concen: 44.693 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX010851.D
 Acq: 12 Jul 2019 21:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.1	39.1

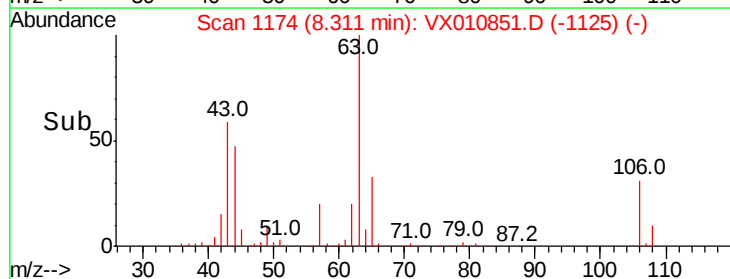
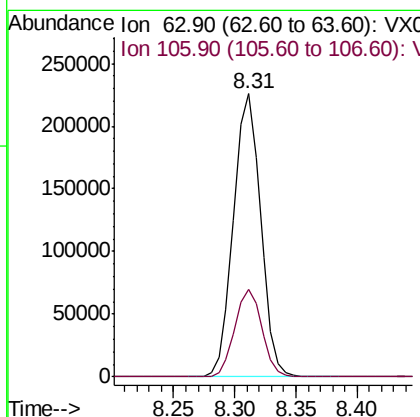
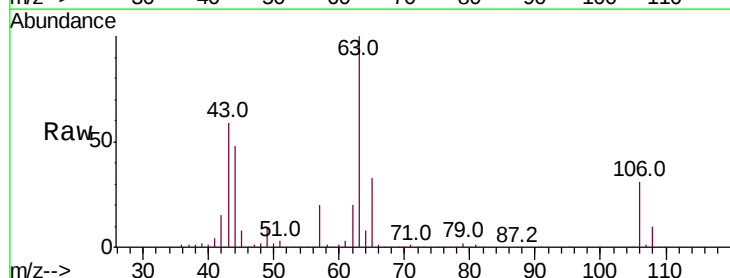
Manual Integrations
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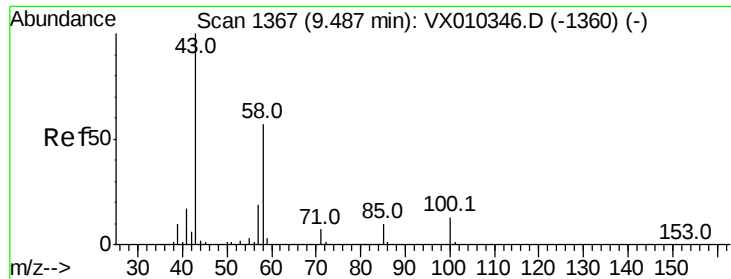
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#58
 2-Chloroethyl Vinyl ether
 Concen: 198.204 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX010851.D
 Acq: 12 Jul 2019 21:29

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.6	24.7	37.1





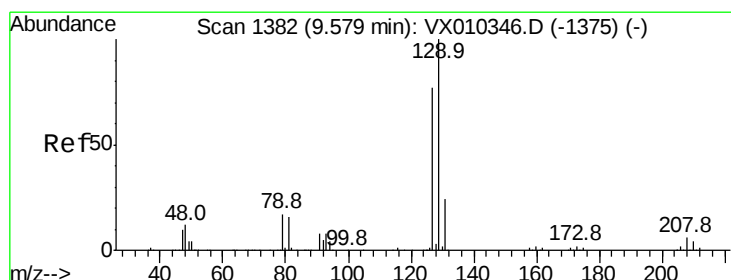
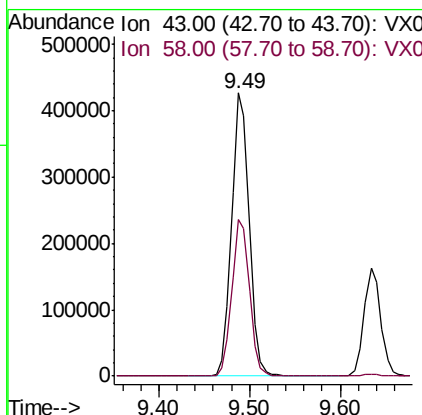
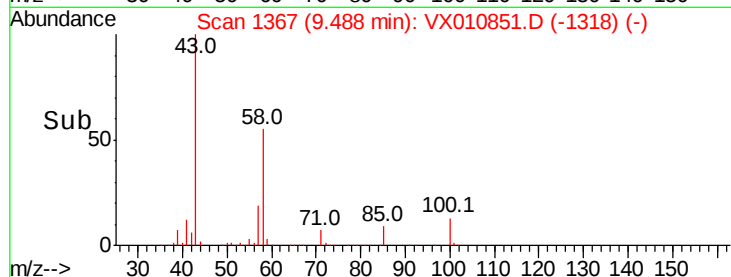
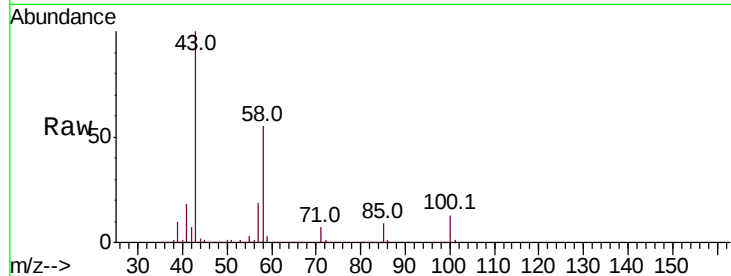
#59
2-Hexanone
Concen: 232.091 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010851.D
Acq: 12 Jul 2019 21:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 572154
Ion Ratio Lower Upper
43 100
58 55.8 29.0 87.1

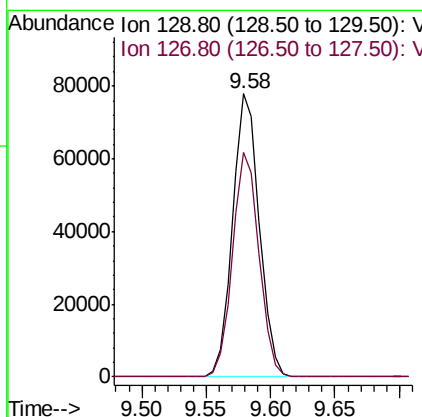
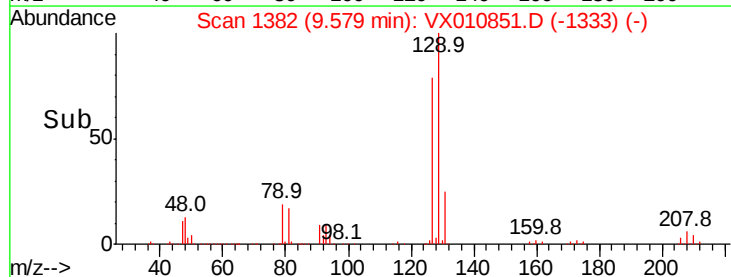
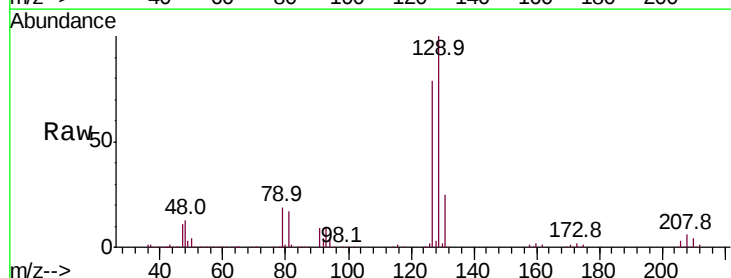
Manual Integrations
APPROVED

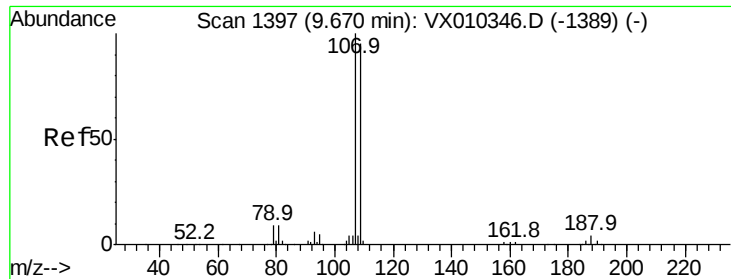
MMDadoda
7/15/2019 11:01:16 AM



#60
Dibromochloromethane
Concen: 41.343 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010851.D
Acq: 12 Jul 2019 21:29

Tgt Ion: 129 Resp: 112705
Ion Ratio Lower Upper
129 100
127 78.7 38.4 115.1





#61

1,2-Dibromoethane

Concen: 43.990 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010851.D

Acq: 12 Jul 2019 21:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 115605

Ion Ratio Lower Upper

107 100

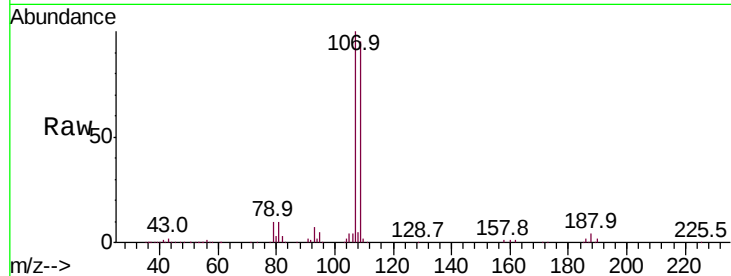
109 95.0 75.8 113.6

Manual Integrations

APPROVED

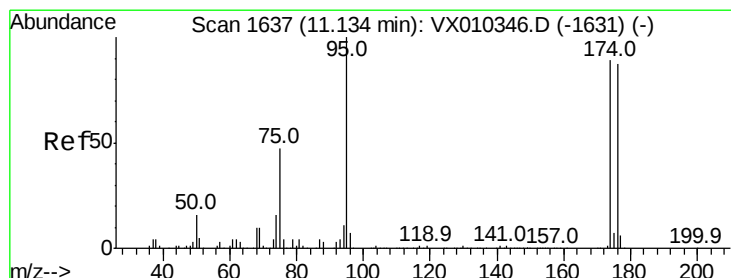
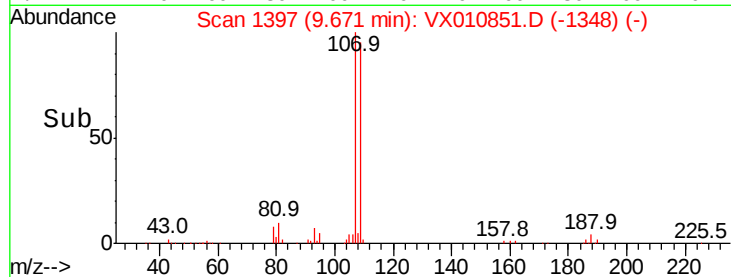
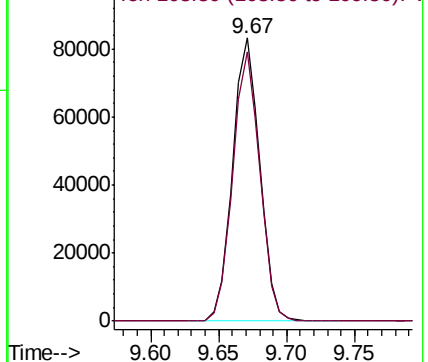
MMDadoda

7/15/2019 11:01:16 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 41.551 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010851.D

Acq: 12 Jul 2019 21:29

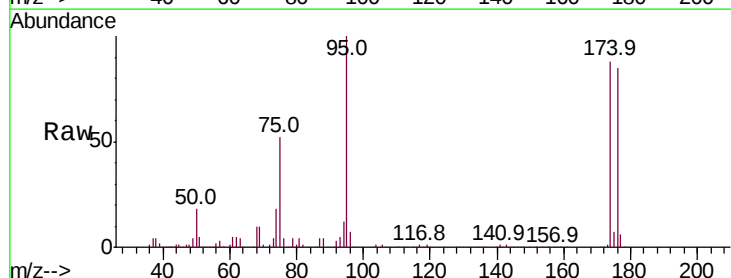
Tgt Ion: 95 Resp: 127146

Ion Ratio Lower Upper

95 100

174 93.1 0.0 187.6

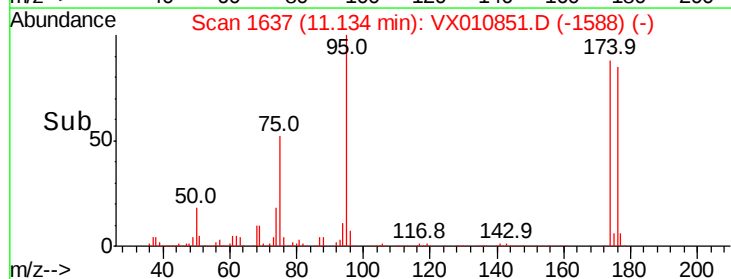
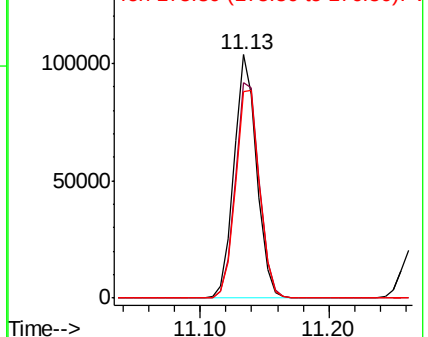
176 90.3 0.0 184.0

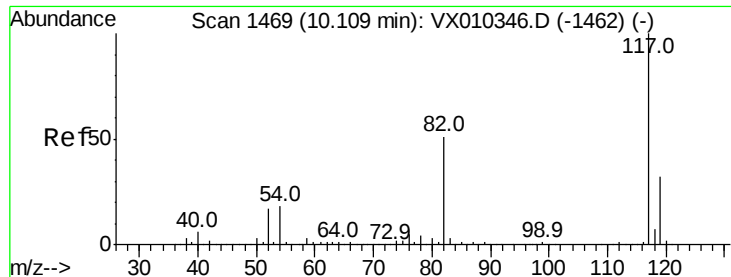


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





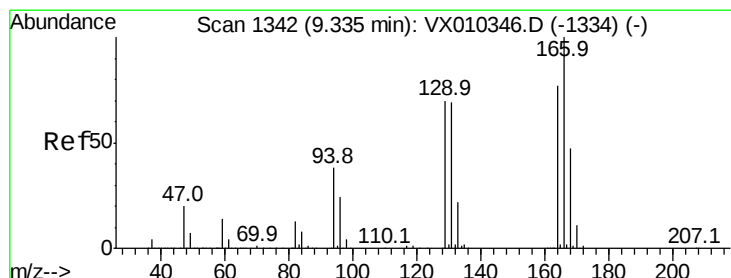
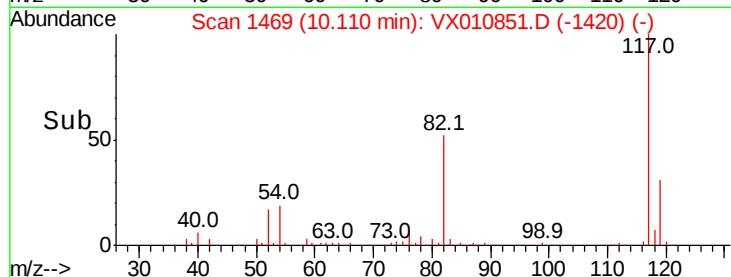
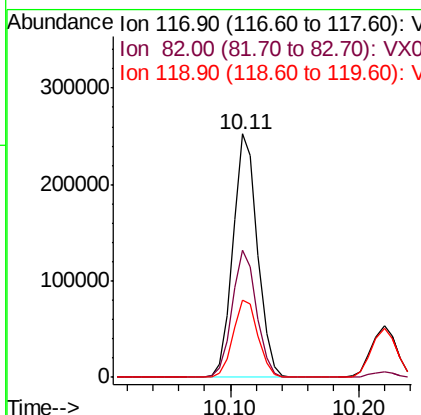
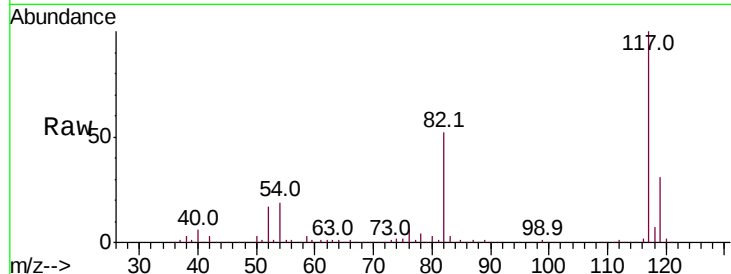
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010851.D
Acq: 12 Jul 2019 21:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	41.2	61.8
119	31.5	25.5	38.3

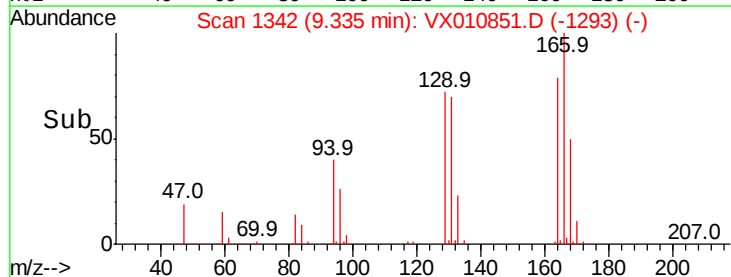
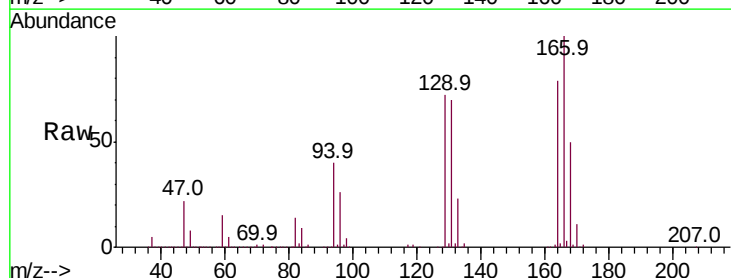
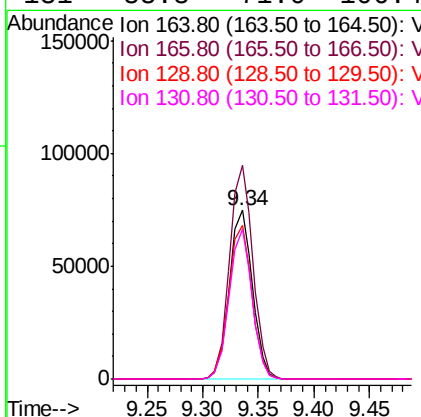
Manual Integrations
APPROVED

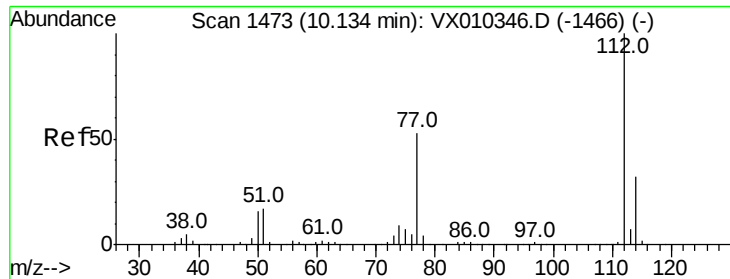
MMDadoda
7/15/2019 11:01:16 AM



#64
Tetrachloroethene
Concen: 39.720 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010851.D
Acq: 12 Jul 2019 21:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	103.6	155.4
129	91.2	73.0	109.4
131	88.8	71.0	106.4





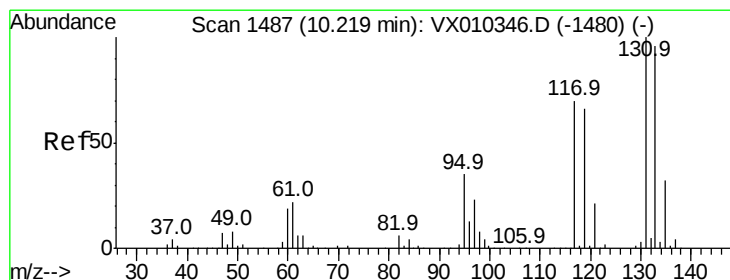
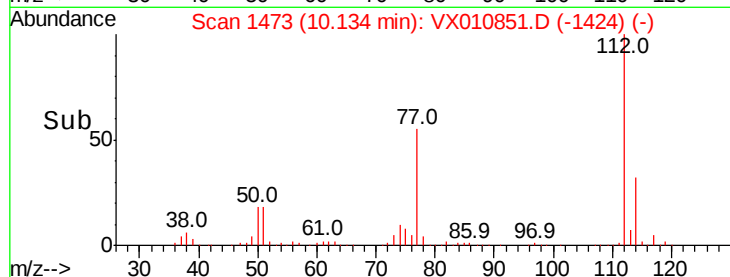
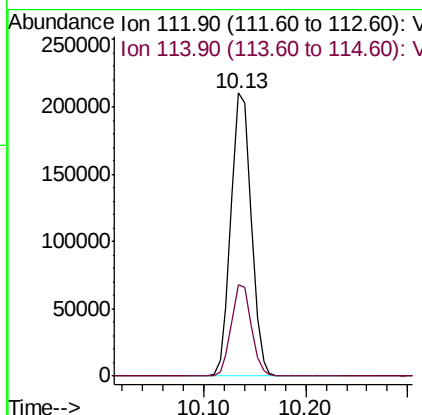
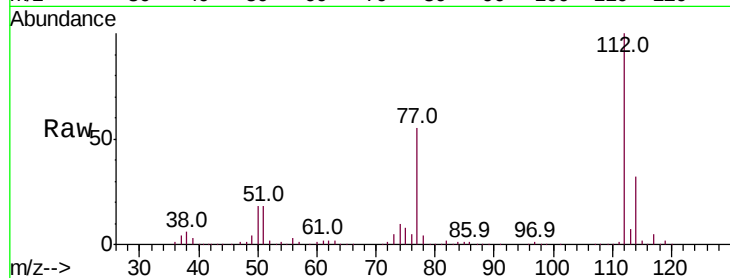
#65
Chlorobenzene
Concen: 42.491 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX010851.D
Acq: 12 Jul 2019 21:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 289236
Ion Ratio Lower Upper
112 100
114 32.4 25.4 38.2

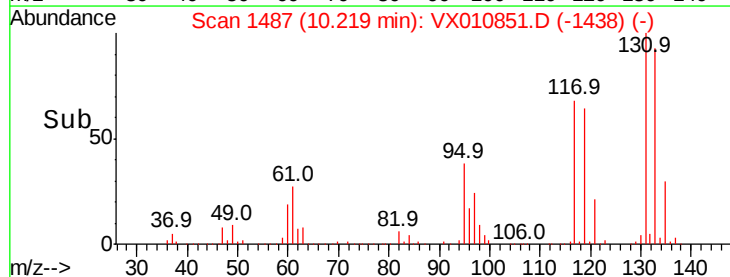
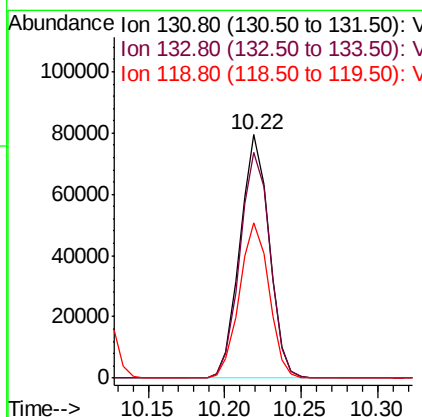
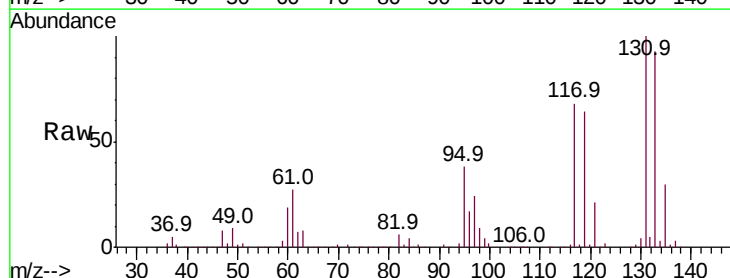
Manual Integrations
APPROVED

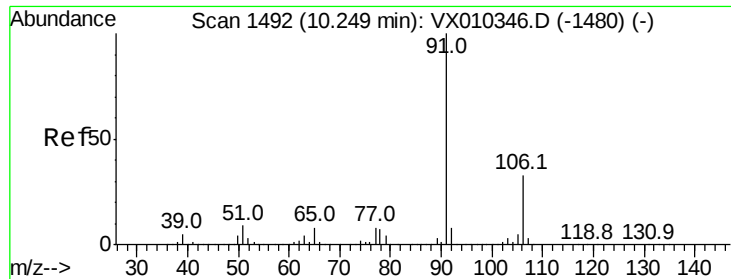
MMDadoda
7/15/2019 11:01:16 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 42.583 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX010851.D
Acq: 12 Jul 2019 21:29

Tgt Ion:131 Resp: 105584
Ion Ratio Lower Upper
131 100
133 95.5 47.7 143.1
119 64.9 32.6 97.7





#67

Ethyl Benzene

Concen: 43.263 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010851.D

Acq: 12 Jul 2019 21:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 497169

Ion Ratio Lower Upper

91 100

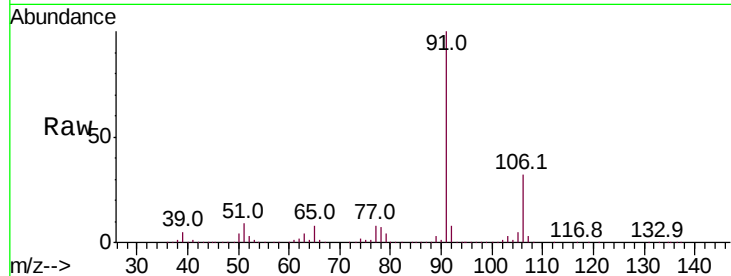
106 32.4 26.2 39.2

Manual Integrations

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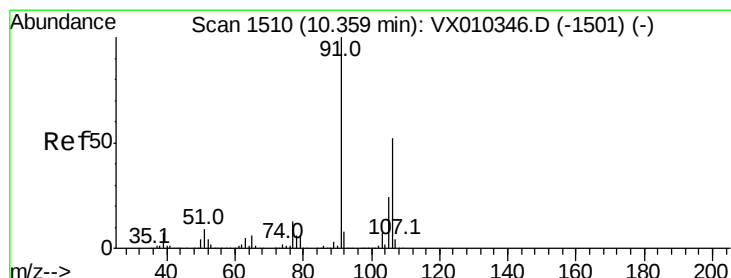
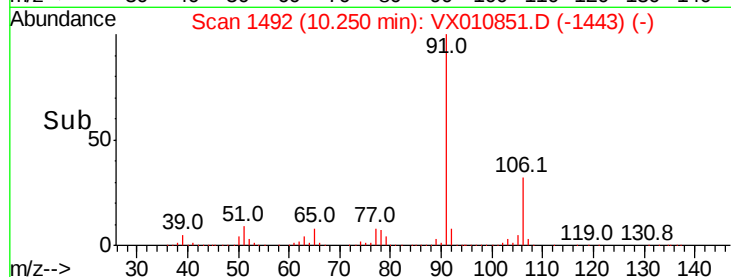
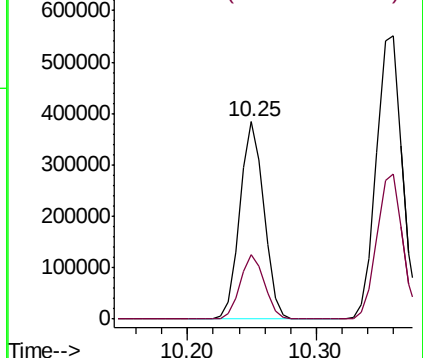
MMDadoda

7/15/2019 11:01:16 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 86.658 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX010851.D

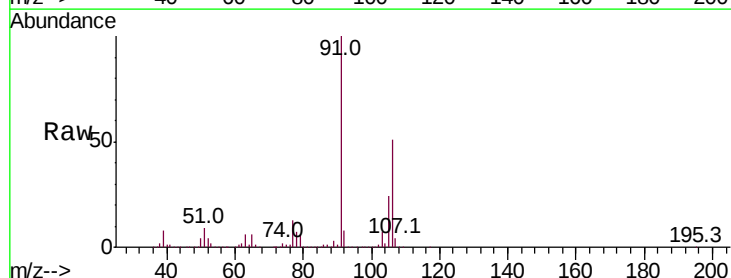
Acq: 12 Jul 2019 21:29

Tgt Ion: 106 Resp: 385864

Ion Ratio Lower Upper

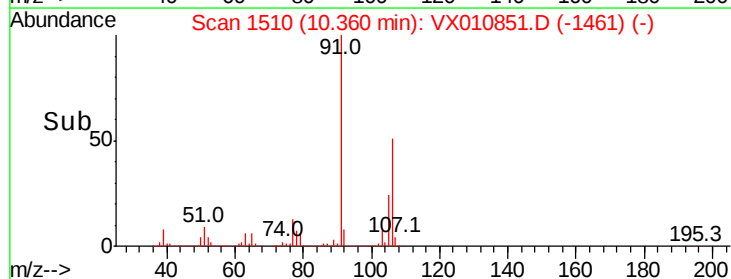
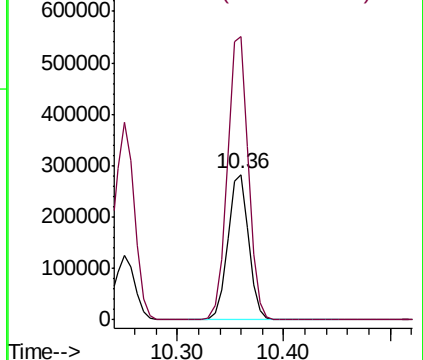
106 100

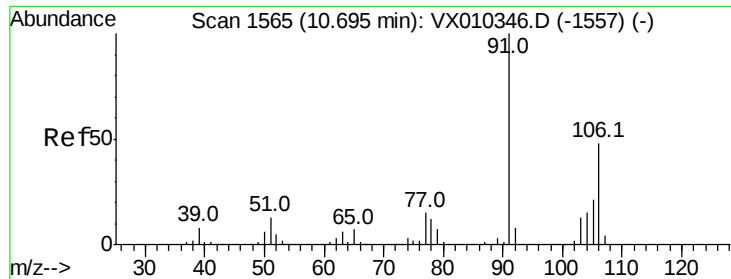
91 196.5 155.3 232.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





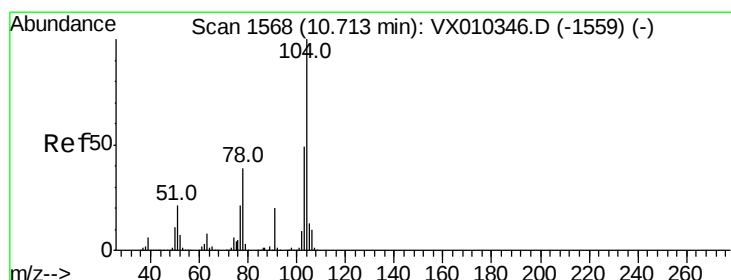
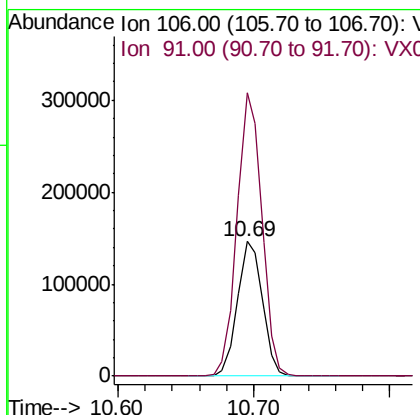
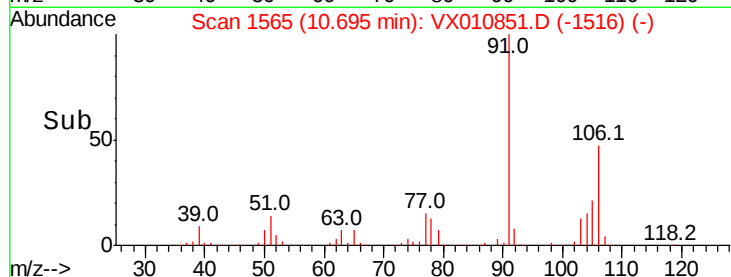
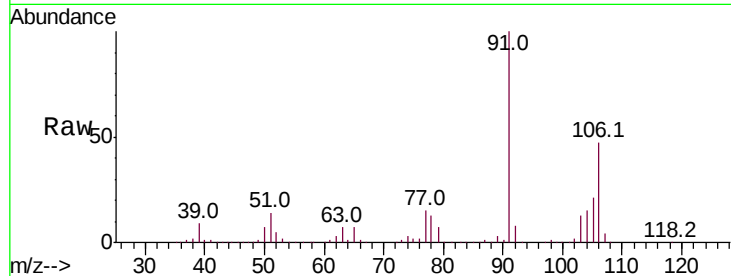
#69
o-Xylene
Concen: 42.947 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010851.D
Acq: 12 Jul 2019 21:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 188058
Ion Ratio Lower Upper
106 100
91 208.5 102.7 308.1

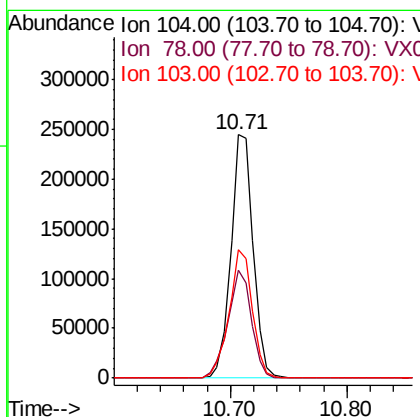
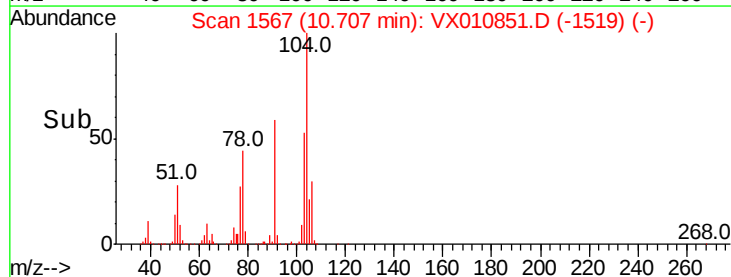
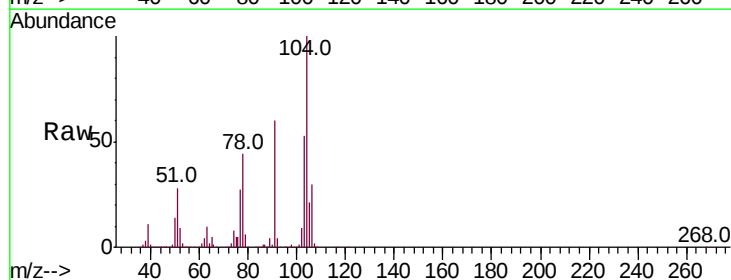
Manual Integrations
APPROVED

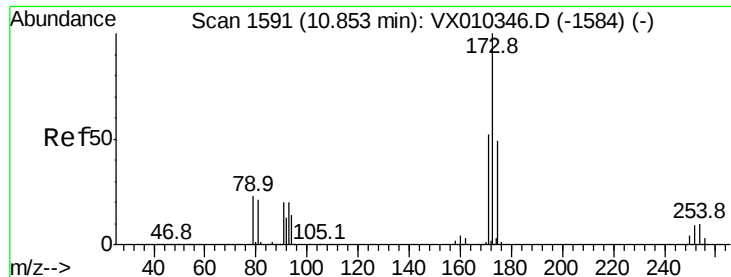
MMDadoda
7/15/2019 11:01:16 AM



#70
Styrene
Concen: 44.228 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX010851.D
Acq: 12 Jul 2019 21:29

Tgt Ion:104 Resp: 324792
Ion Ratio Lower Upper
104 100
78 47.3 36.2 54.2
103 55.3 44.2 66.4





#71

Bromoform

Concen: 40.252 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010851.D

Acq: 12 Jul 2019 21:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 86791

Ion Ratio Lower Upper

173 100

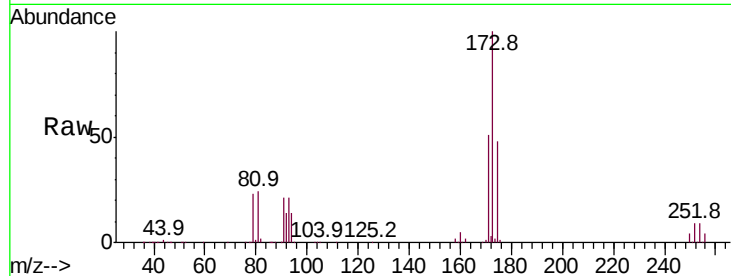
175 48.7 24.1 72.3

254 0.1 0.2 0.2#

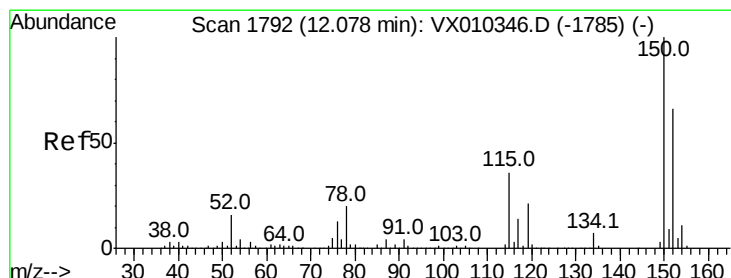
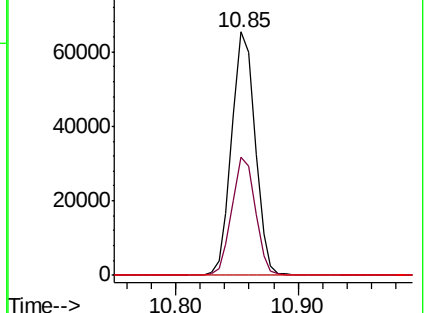
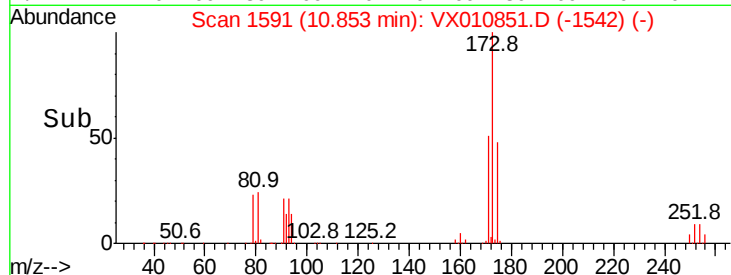
Manual Integrations
APPROVED

MMDadoda

7/15/2019 11:01:16 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010851.D

Acq: 12 Jul 2019 21:29

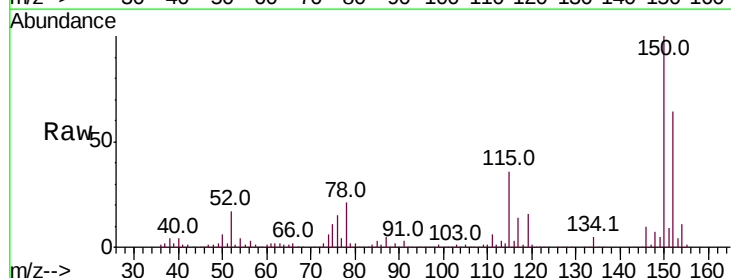
Tgt Ion:152 Resp: 175195

Ion Ratio Lower Upper

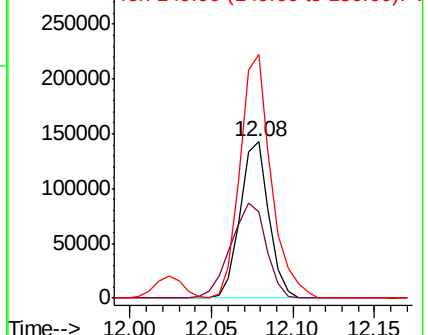
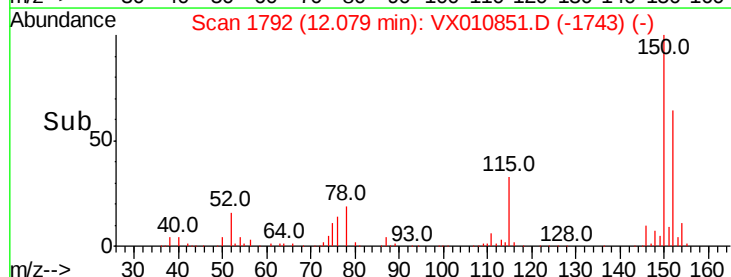
152 100

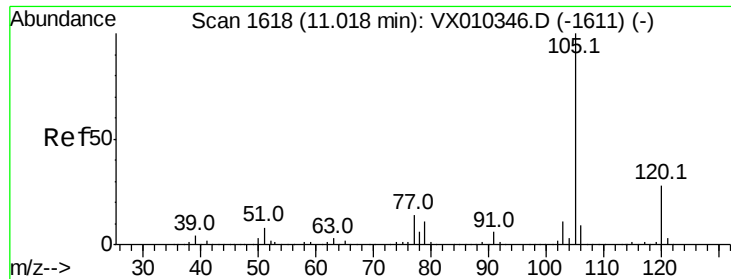
115 75.3 38.6 115.7

150 168.6 0.0 347.4



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





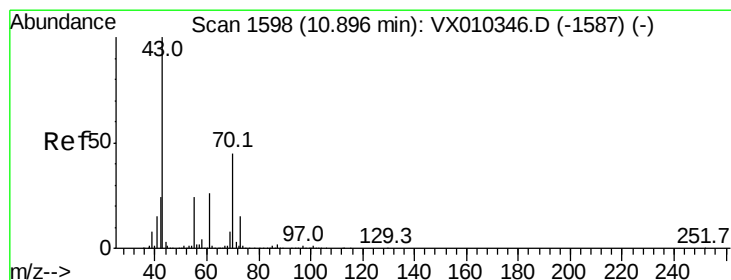
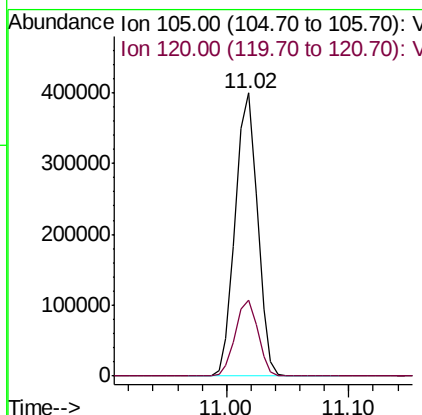
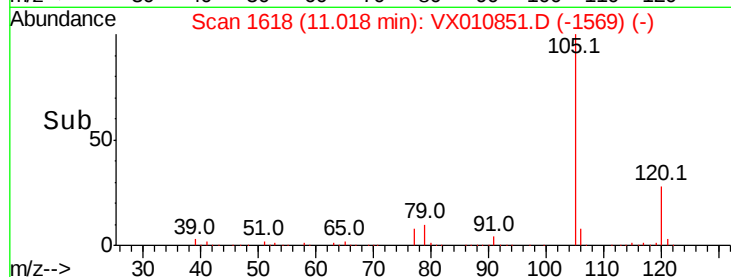
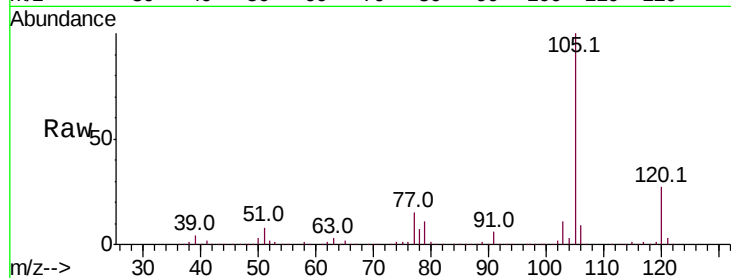
#73
Isopropylbenzene
Concen: 42.230 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX010851.D
Acq: 12 Jul 2019 21:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.4	14.1	42.4

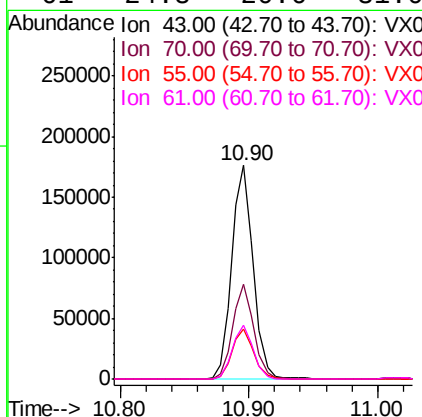
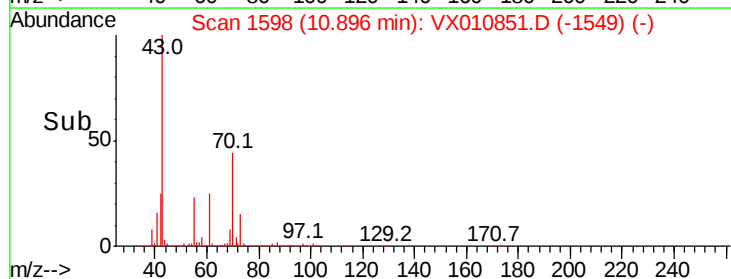
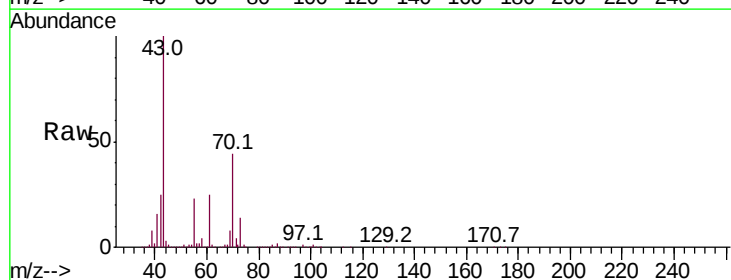
Manual Integrations
APPROVED

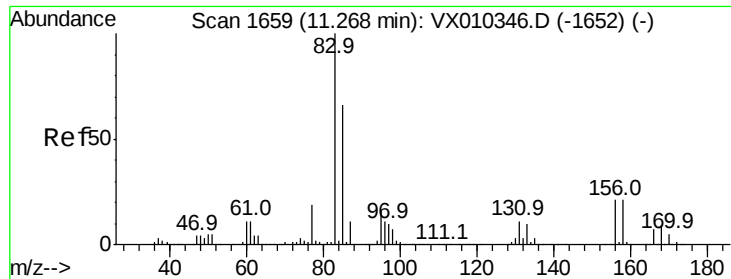
MMDadoda
7/15/2019 11:01:16 AM



#74
N-ethyl acetate
Concen: 45.800 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX010851.D
Acq: 12 Jul 2019 21:29

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.6	36.6	54.8
55	23.9	18.7	28.1
61	24.8	20.6	31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 43.324 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010851.D

Acq: 12 Jul 2019 21:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 170396

Ion Ratio Lower Upper

83 100

131 11.1 5.5 16.4

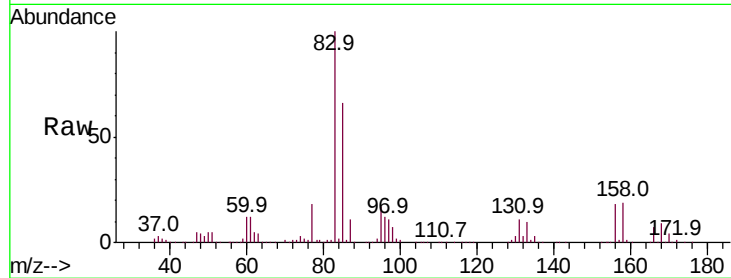
85 65.4 32.3 96.8

Manual Integrations

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MMDadoda

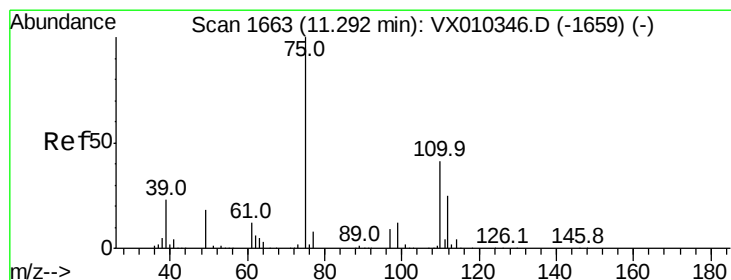
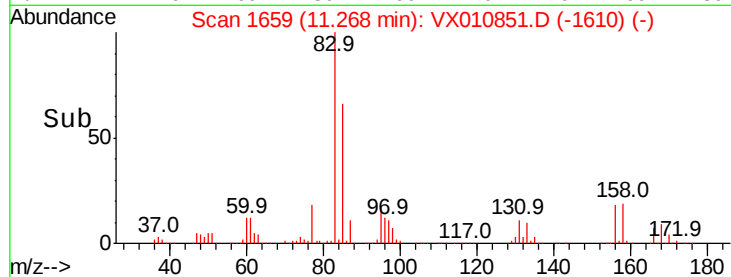
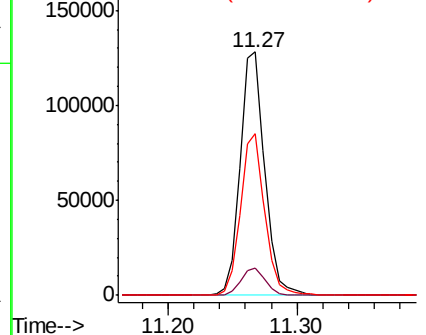
7/15/2019 11:01:16 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 43.921 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX010851.D

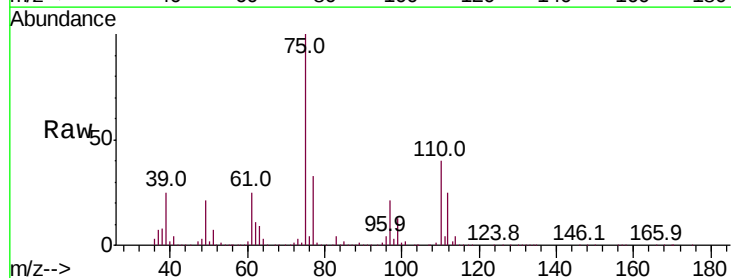
Acq: 12 Jul 2019 21:29

Tgt Ion: 75 Resp: 140218

Ion Ratio Lower Upper

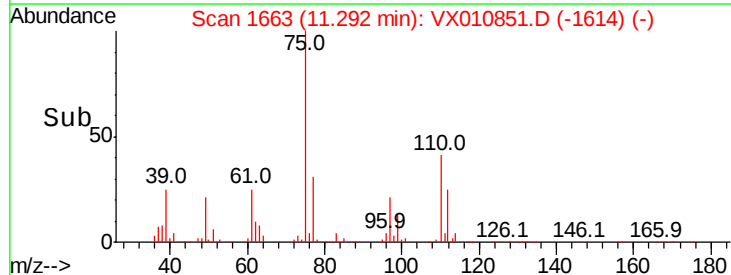
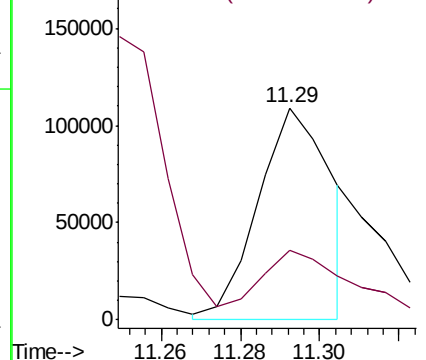
75 100

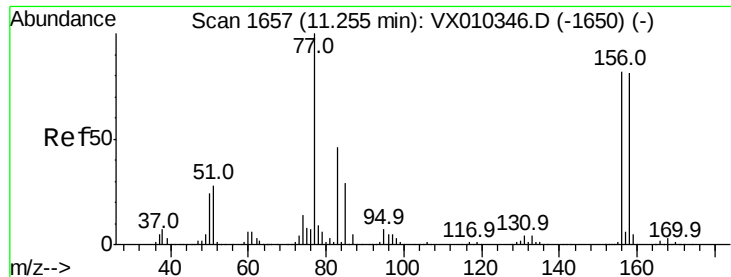
77 42.5 22.6 67.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 40.956 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010851.D

Acq: 12 Jul 2019 21:29

Instrument :

MSVOA_X

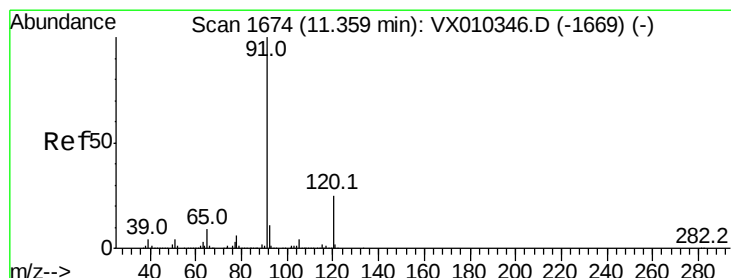
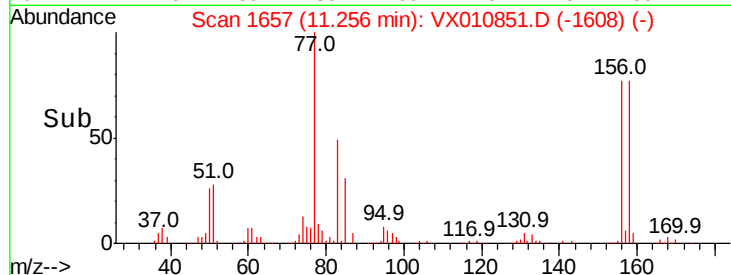
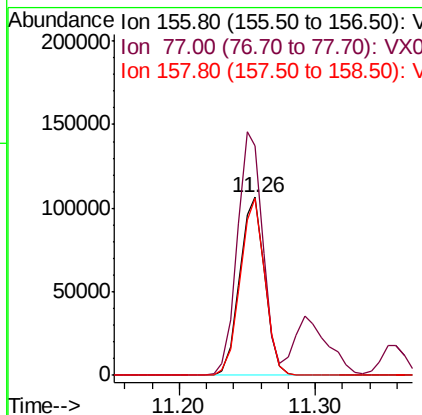
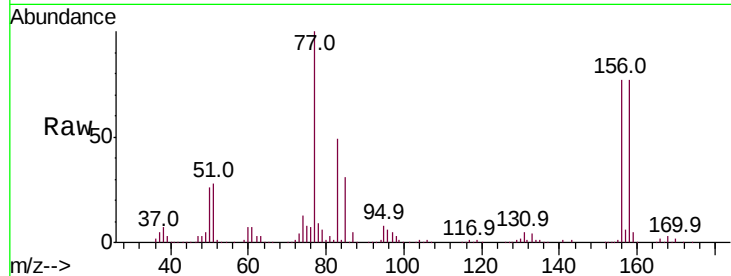
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	135816
Ion Ratio	Lower	Upper	
156	100		
77	139.6	66.3	198.7
158	98.4	48.9	146.7

Manual Integrations
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#78

n-propylbenzene

Concen: 43.640 ug/l

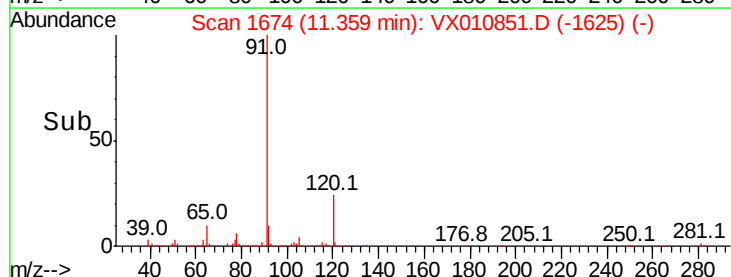
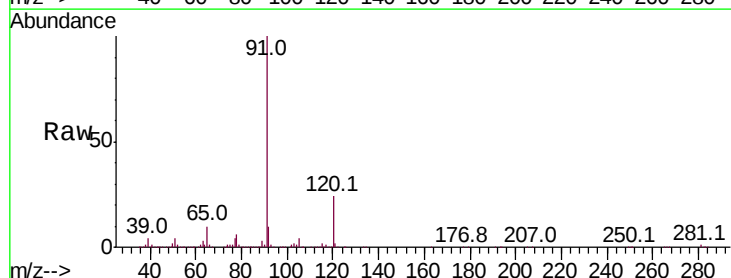
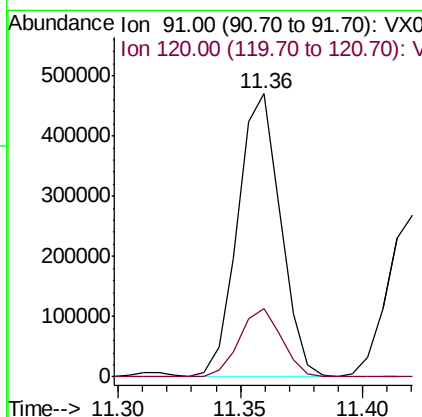
RT: 11.36 min Scan# 1674

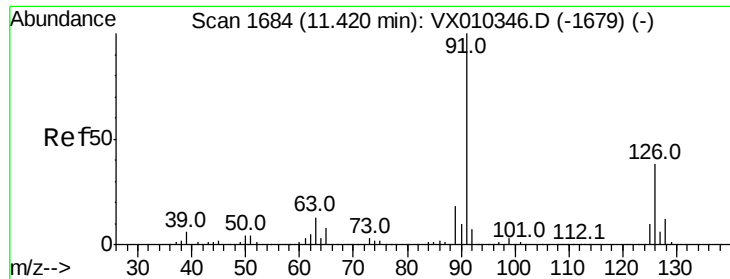
Delta R.T. 0.00 min

Lab File: VX010851.D

Acq: 12 Jul 2019 21:29

Tgt Ion:	91	Resp:	569608
Ion Ratio	Lower	Upper	
91	100		
120	24.2	12.4	37.4





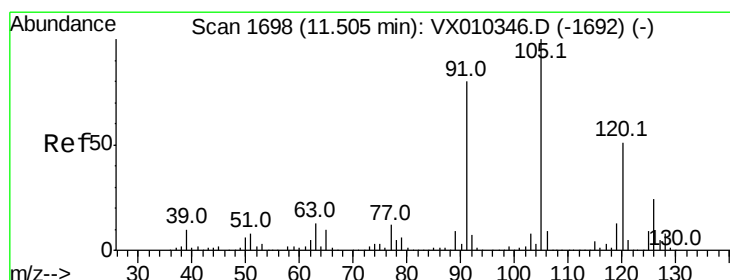
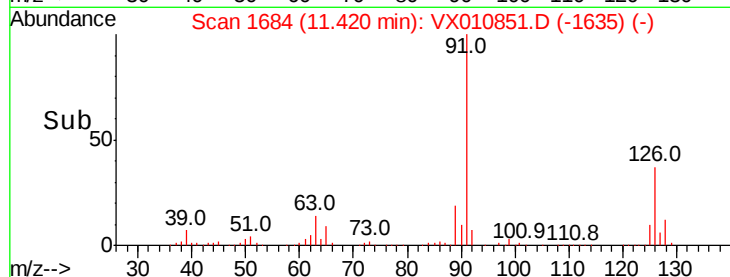
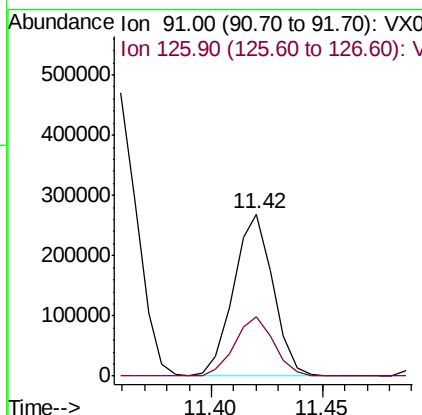
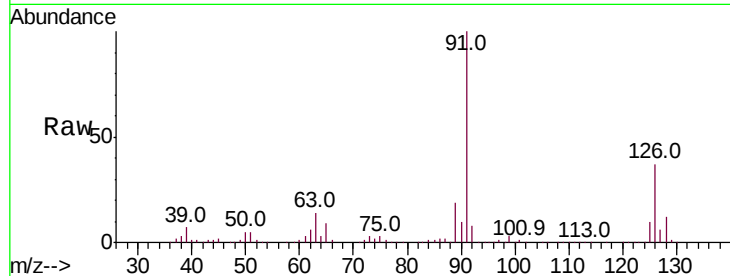
#79
2-Chlorotoluene
Concen: 42.627 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX010851.D
Acq: 12 Jul 2019 21:29

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 331307
Ion Ratio Lower Upper
91 100
126 36.8 18.7 56.1

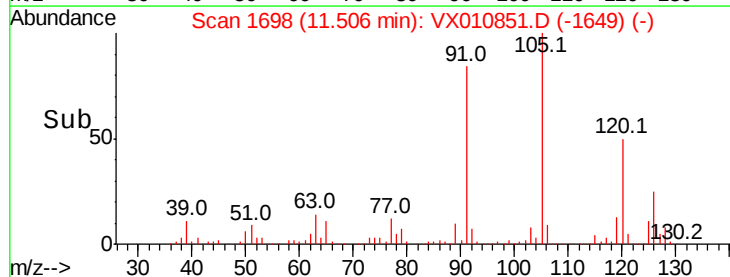
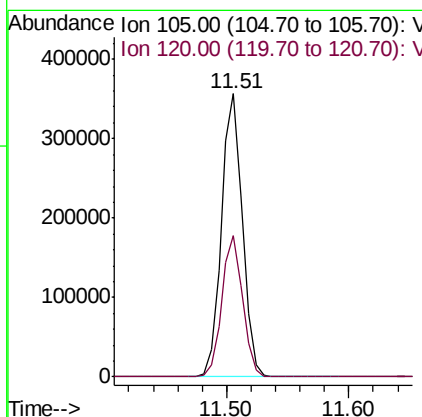
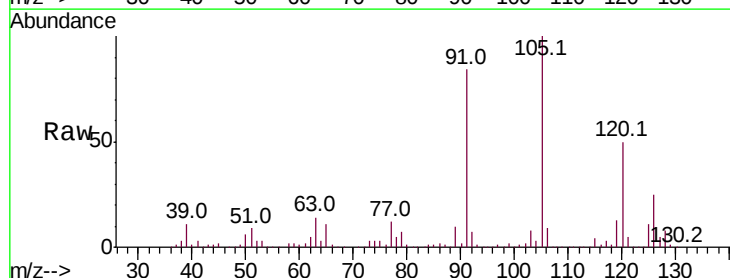
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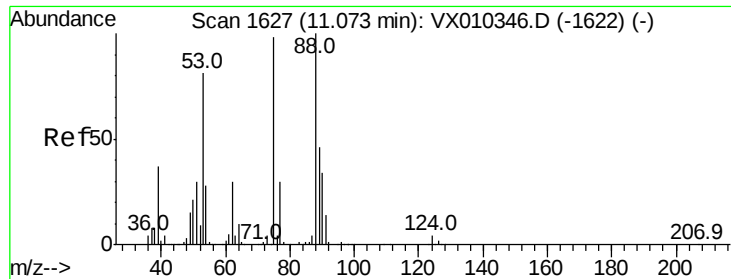
MMDadoda
7/15/2019 11:01:16 AM



#80
1,3,5-Trimethylbenzene
Concen: 43.023 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX010851.D
Acq: 12 Jul 2019 21:29

Tgt Ion: 105 Resp: 421207
Ion Ratio Lower Upper
105 100
120 49.6 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 35.227 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010851.D

Acq: 12 Jul 2019 21:29

Instrument :

MSVOA_X

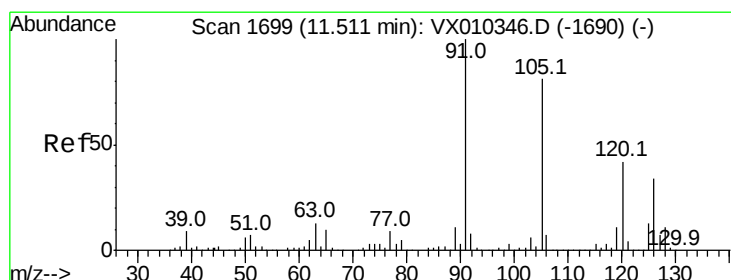
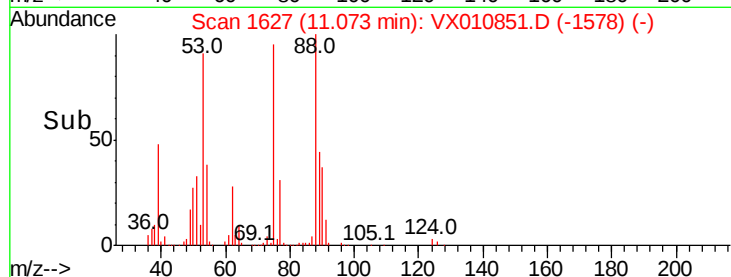
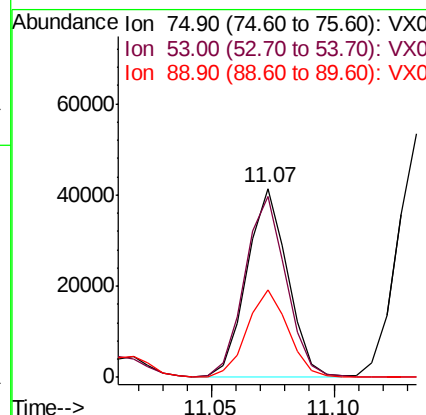
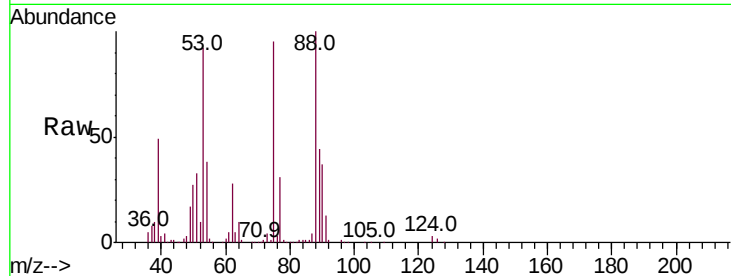
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	48208
Ion	Ratio	Lower	Upper
75	100		
53	97.2	66.1	99.1
89	46.8	37.8	56.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 43.828 ug/l

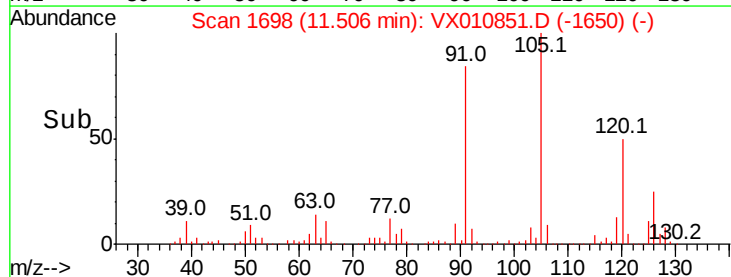
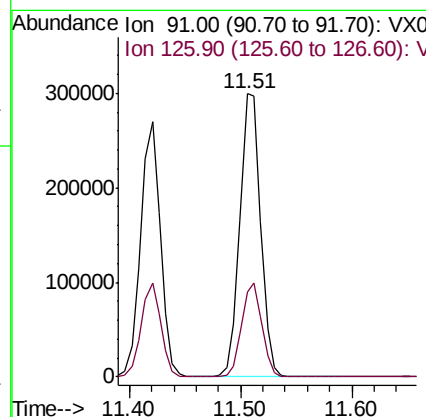
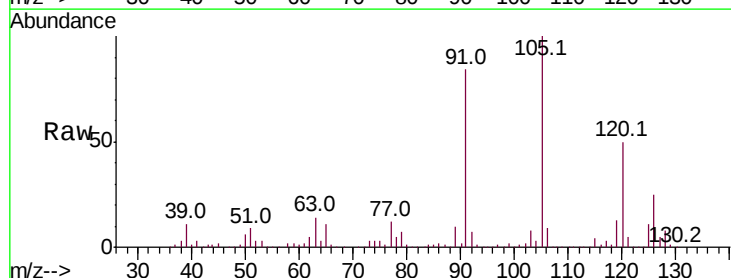
RT: 11.51 min Scan# 1698

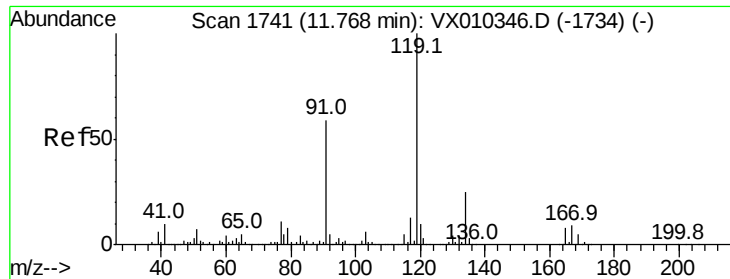
Delta R.T. -0.01 min

Lab File: VX010851.D

Acq: 12 Jul 2019 21:29

Tgt Ion:	91	Resp:	387616
Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.2	48.6





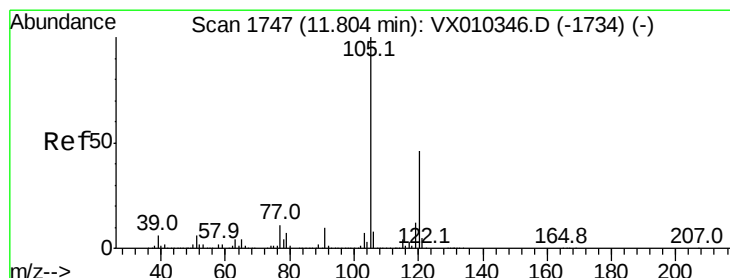
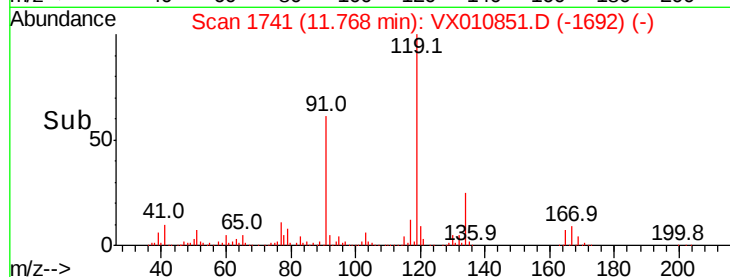
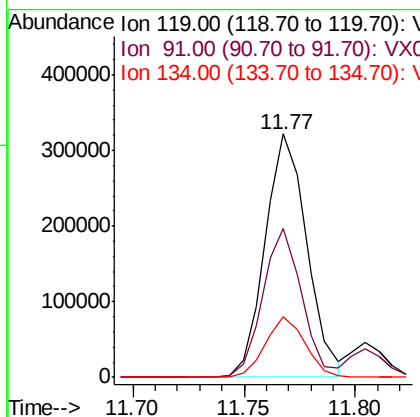
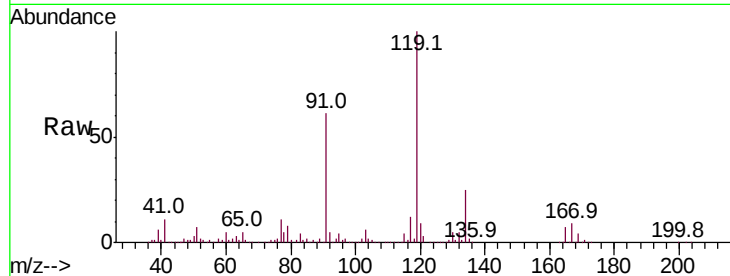
#83
tert-Butylbenzene
Concen: 42.647 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010851.D
Acq: 12 Jul 2019 21:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.7	27.6	82.7
134	23.8	11.8	35.4

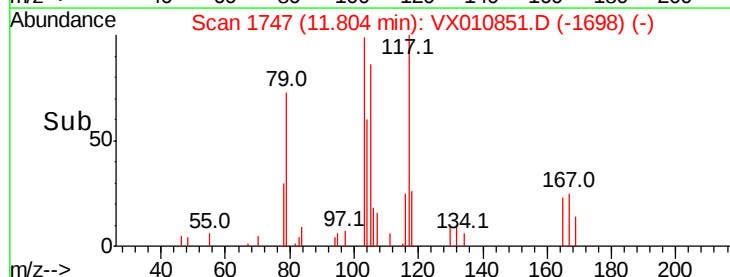
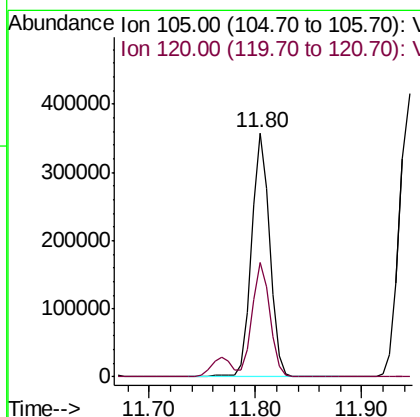
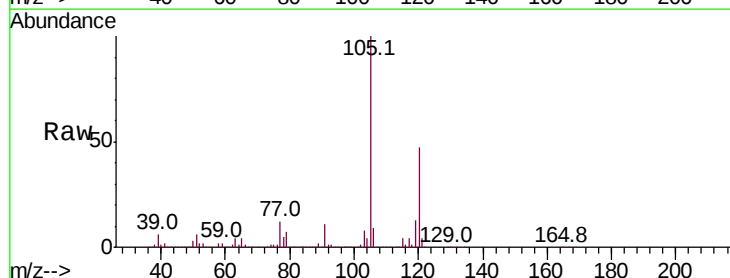
Manual Integrations
APPROVED

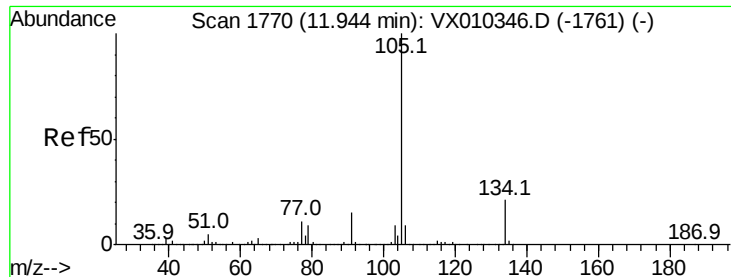
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 43.488 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX010851.D
Acq: 12 Jul 2019 21:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	23.1	69.2





#85

sec-Butylbenzene

Concen: 42.640 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010851.D

Acq: 12 Jul 2019 21:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 491961

Ion Ratio Lower Upper

105 100

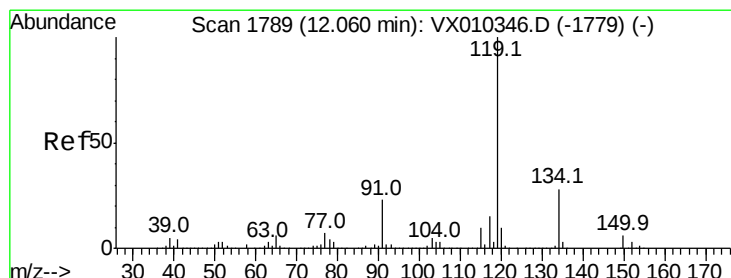
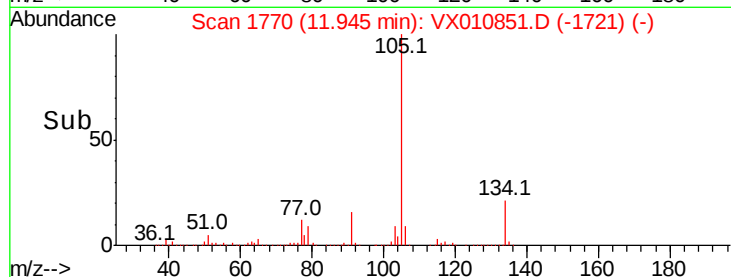
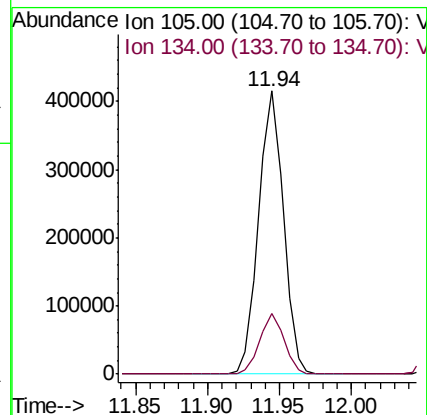
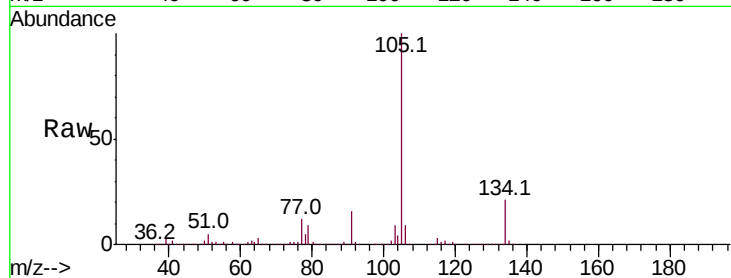
134 21.1 10.7 31.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 43.028 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010851.D

Acq: 12 Jul 2019 21:29

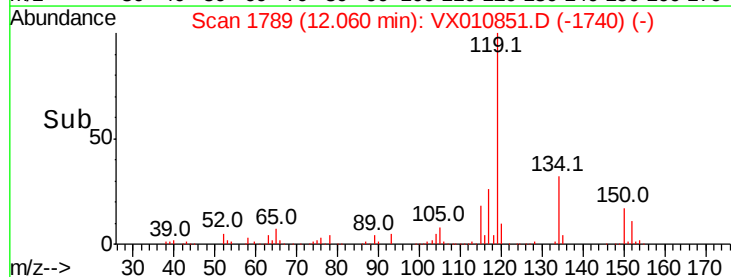
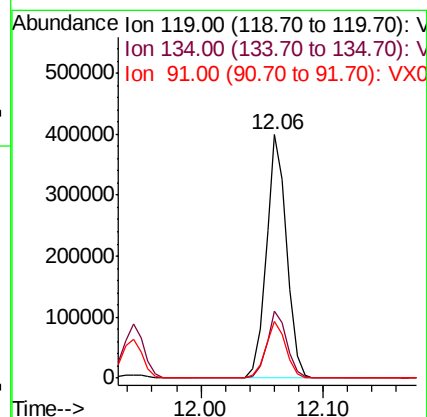
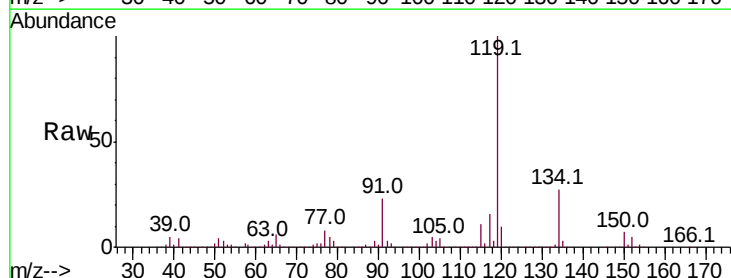
Tgt Ion:119 Resp: 459188

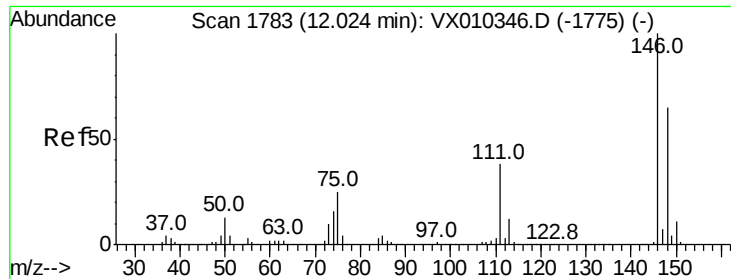
Ion Ratio Lower Upper

119 100

134 27.1 13.7 41.1

91 23.3 11.3 33.8





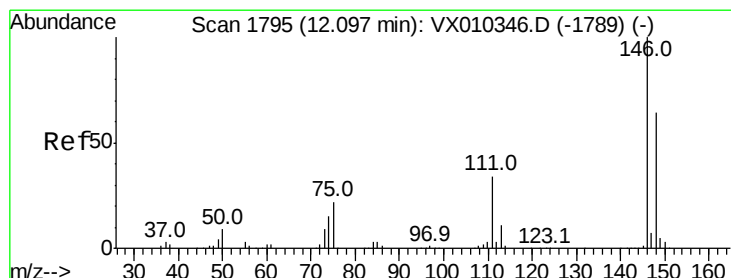
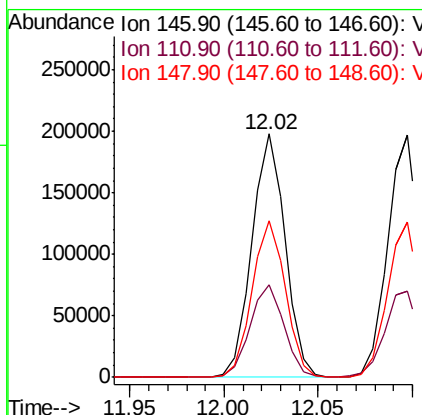
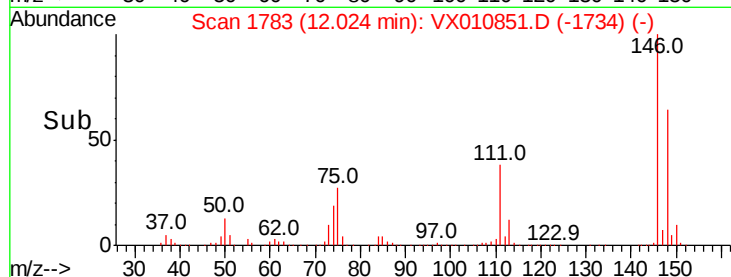
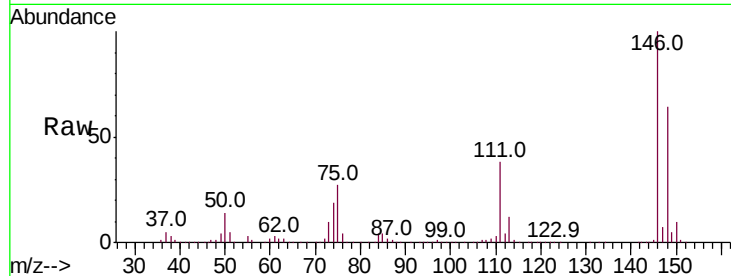
#87
 1,3-Dichlorobenzene
 Concen: 41.785 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010851.D
 Acq: 12 Jul 2019 21:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.1	57.1
148	64.5	32.5	97.4

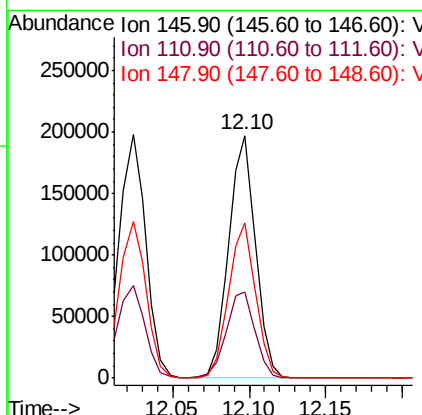
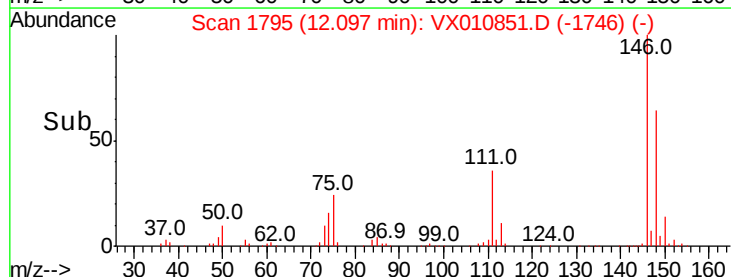
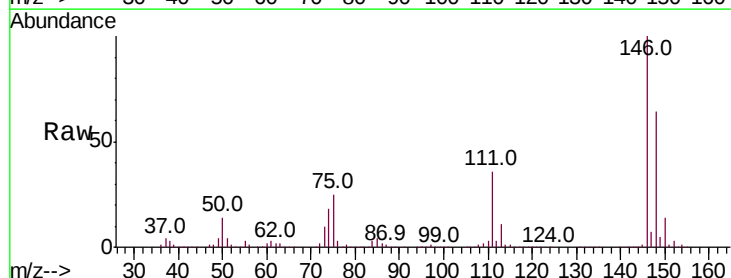
Manual Integrations
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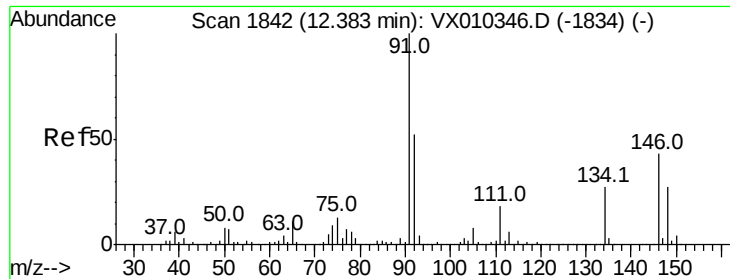
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#88
 1,4-Dichlorobenzene
 Concen: 40.561 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010851.D
 Acq: 12 Jul 2019 21:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.1	54.3
148	64.2	32.1	96.3





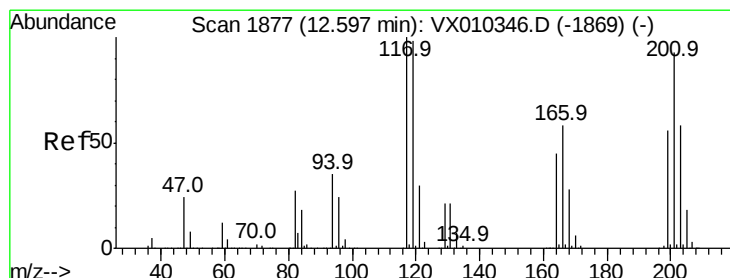
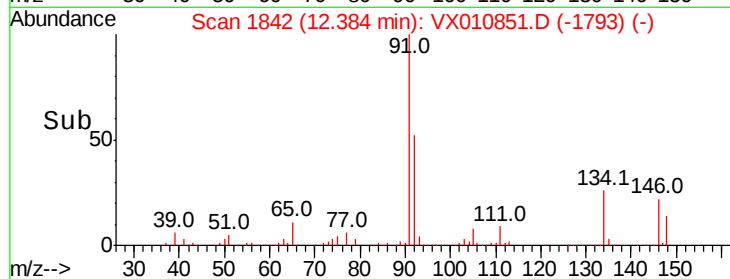
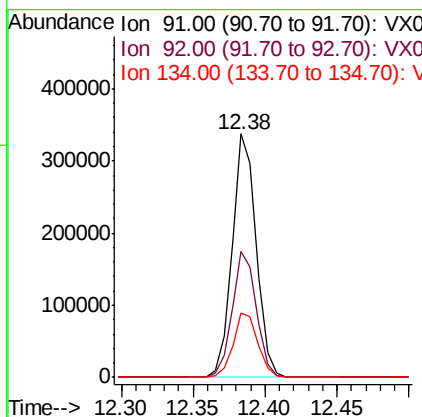
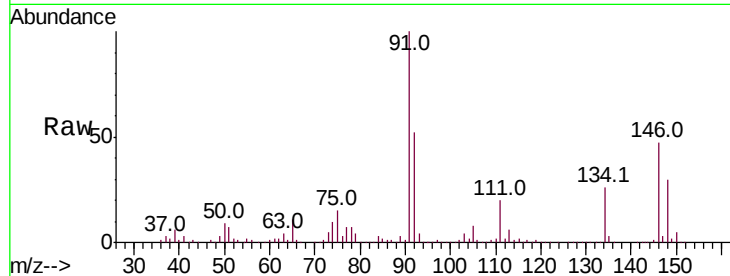
#89
n-Butylbenzene
Concen: 43.544 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010851.D
Acq: 12 Jul 2019 21:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.2	78.5
134	27.0	14.1	42.4

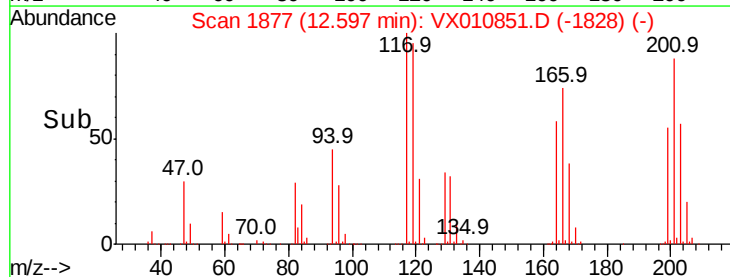
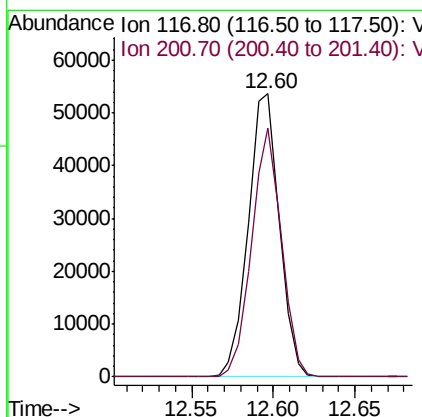
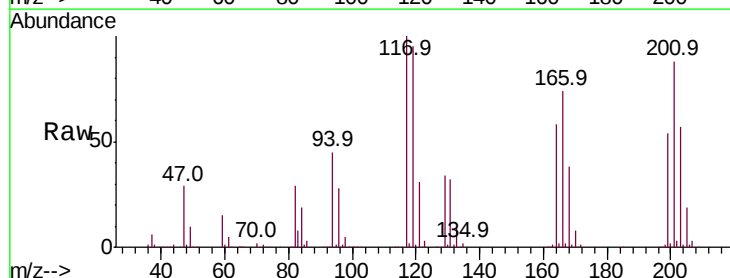
Manual Integrations
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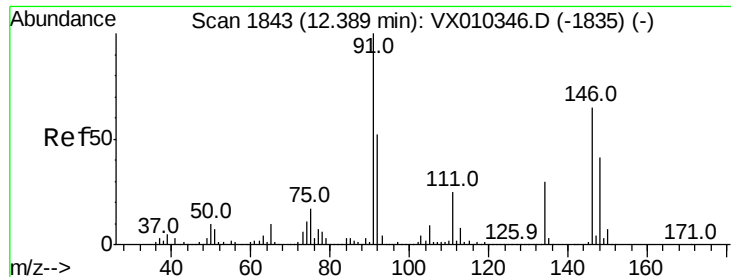
MMDadoda
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#90
Hexachloroethane
Concen: 38.748 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX010851.D
Acq: 12 Jul 2019 21:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.7	44.0	131.8





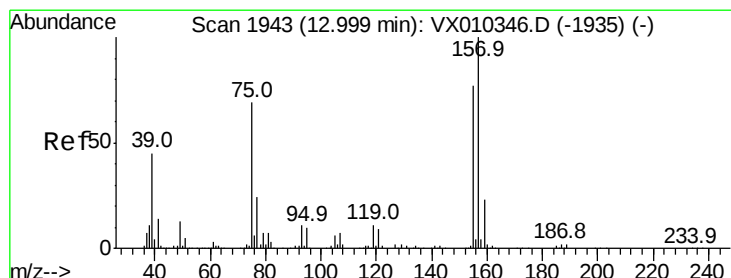
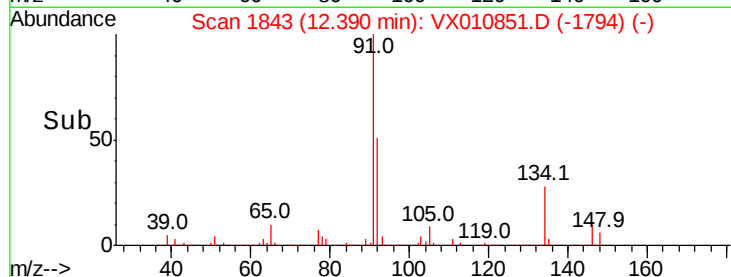
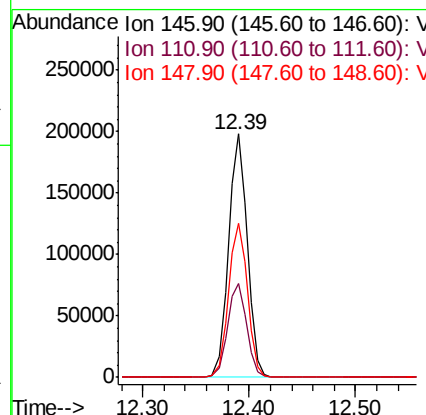
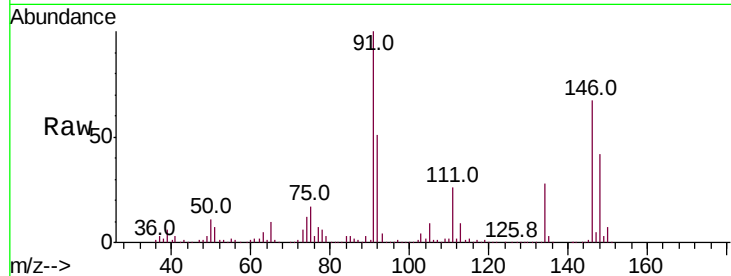
#91
1,2-Dichlorobenzene
Concen: 42.285 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX010851.D
Acq: 12 Jul 2019 21:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.2	57.6
148	64.2	32.0	96.0

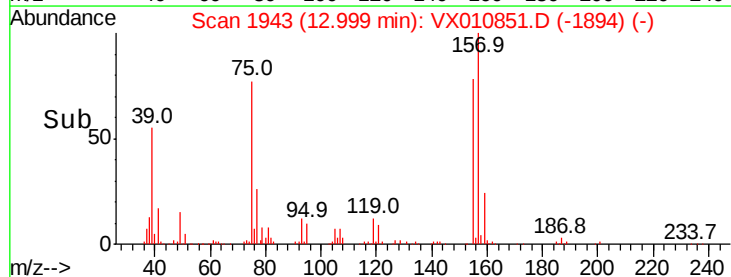
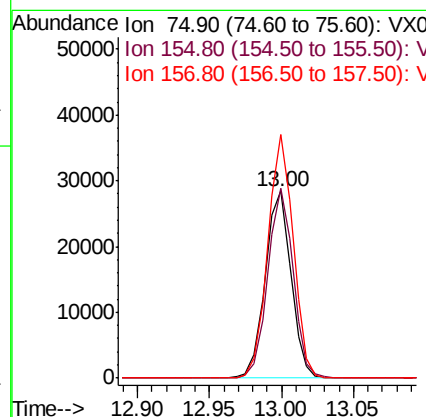
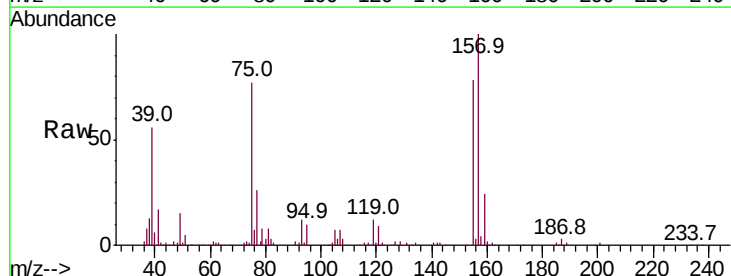
Manual Integrations
APPROVED

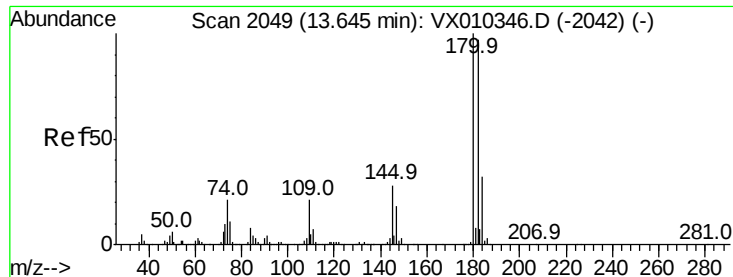
MMDadoda
7/15/2019 11:01:16 AM



#92
1,2-Dibromo-3-Chloropropane
Concen: 41.232 ug/l
RT: 13.00 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VX010851.D
Acq: 12 Jul 2019 21:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.7	54.4	163.1
157	128.0	69.5	208.3





#93

1,2,4-Trichlorobenzene

Concen: 41.290 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX010851.D

Acq: 12 Jul 2019 21:29

Instrument :

MSVOA_X

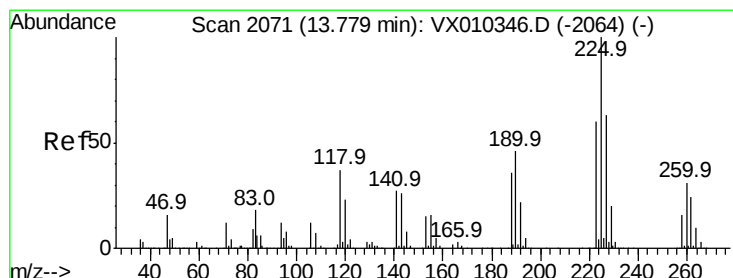
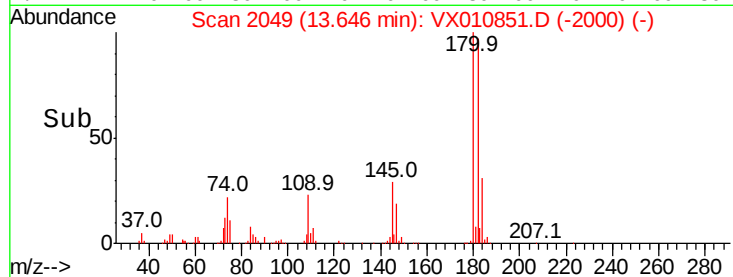
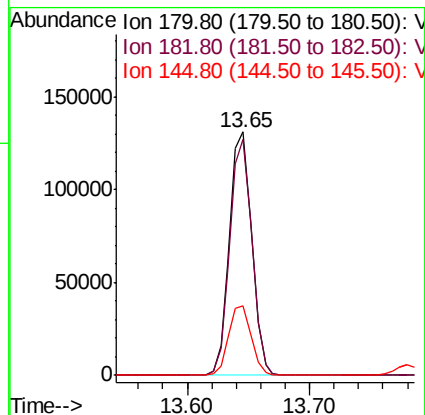
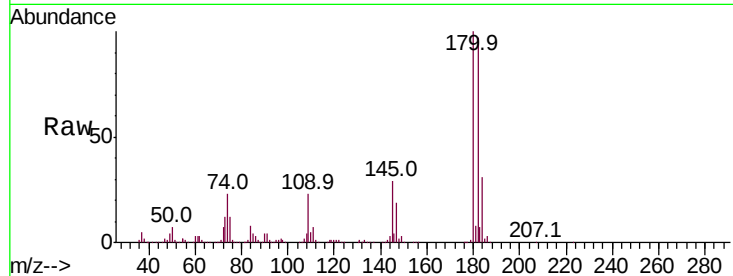
ClientSampleId :

VSTDCCC050

Tot Ion:	180	Resp:	164733
Ion Ratio	Lower	Upper	
180	100		
182	96.0	48.0	144.0
145	28.9	14.4	43.4

Manual Integrations
APPROVED

MMDadoda
7/15/2019 11:01:16 AM



#94

Hexachlorobutadiene

Concen: 40.514 ug/l

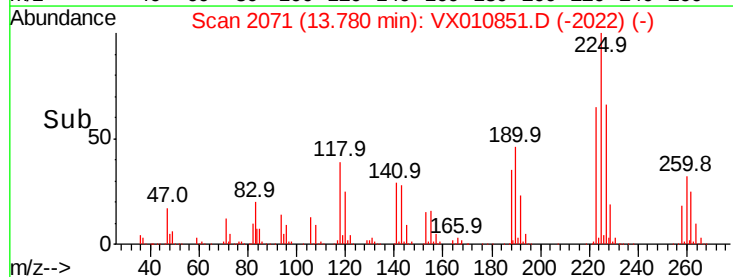
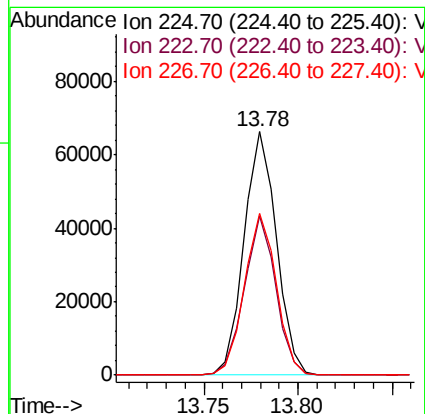
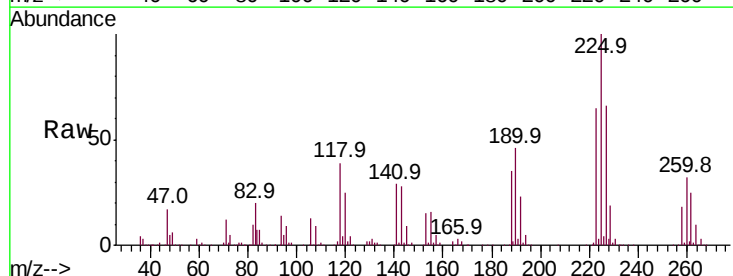
RT: 13.78 min Scan# 2071

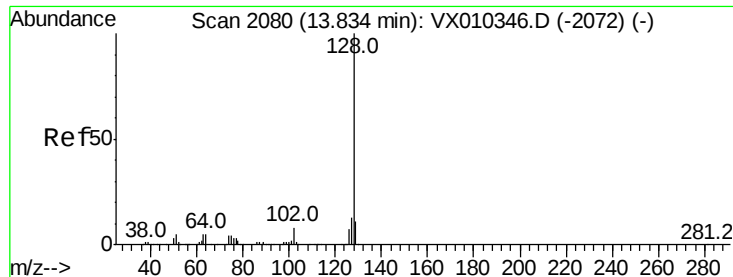
Delta R.T. 0.00 min

Lab File: VX010851.D

Acq: 12 Jul 2019 21:29

Tgt Ion:	225	Resp:	78997
Ion Ratio	Lower	Upper	
225	100		
223	63.5	30.9	92.7
227	65.5	31.9	95.5





#95

Naphthalene

Concen: 41.692 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010851.D

Acq: 12 Jul 2019 21:29

Instrument :

MSVOA_X

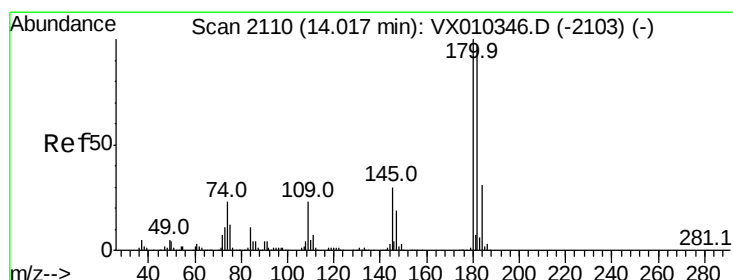
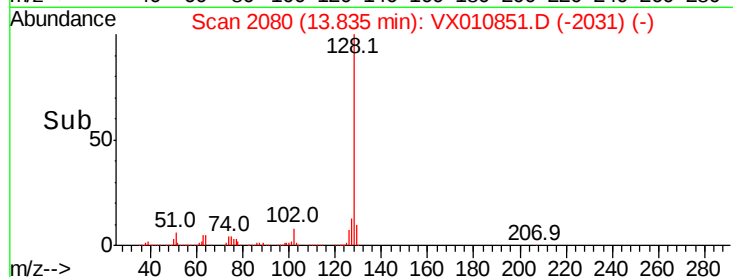
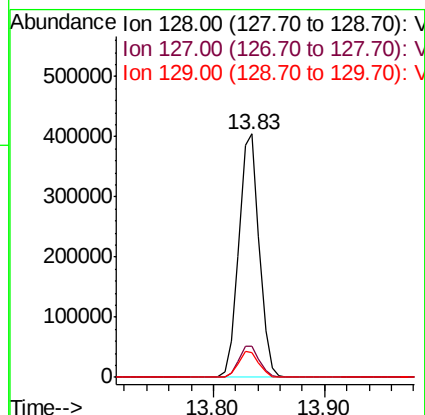
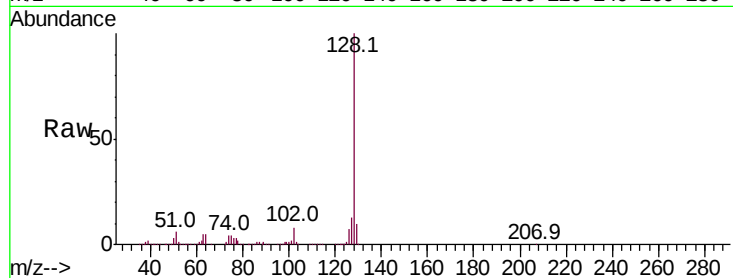
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	511167
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.4
129	10.8	8.9	13.3

Manual Integrations
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7/15/2019 11:01:16 AM



#96

1,2,3-Trichlorobenzene

Concen: 41.675 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX010851.D

Acq: 12 Jul 2019 21:29

Tgt Ion:	180	Resp:	165314
Ion Ratio	Lower	Upper	
180	100		
182	94.4	47.8	143.3
145	30.8	15.2	45.6

