

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020819\
 Data File : VX007434.D
 Acq On : 08 Feb 2019 11:09
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 2/11/2019 9:37:16 AM

Quant Time: Feb 08 14:49:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X012519W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jan 28 10:35:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	103099	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	557756	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	504281	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	198279	29.30	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.67%
60) 4-Bromofluorobenzene	11.13	95	239290	30.74	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.47%
63) Toluene-d8	8.71	98	674831	29.69	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.97%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	91259	19.720	ug/l 96
3) Chloromethane	1.33	50	103445	19.994	ug/l 99
4) Vinyl Chloride	1.41	62	118013	20.100	ug/l 99
5) Bromomethane	1.64	94	129716	21.197	ug/l 98
6) Chloroethane	1.72	64	79944	20.204	ug/l 98
7) Trichlorofluoromethane	1.93	101	204436	20.624	ug/l 96
8) Diethyl Ether	2.19	74	79251	21.151	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	124360	21.242	ug/l 99
10) 1,1-Dichloroethene	2.37	96	110429	20.753	ug/l 98
11) Methyl Iodide	2.51	142	169567	19.642	ug/l 95
12) Methyl Acetate	2.78	43	190677	21.041	ug/l 99
13) Acrolein	2.29	56	45397	69.196	ug/l 96
14) Acrylonitrile	3.15	53	358282	105.601	ug/l 98
15) Acetone	2.45	58	99404	103.078	ug/l 93
16) Carbon Disulfide	2.57	76	246510	19.212	ug/l 100
17) Allyl chloride	2.73	41	191620	20.711	ug/l 96
18) Methylene Chloride	2.86	84	125889	20.527	ug/l 95
19) trans-1,2-Dichloroethene	3.17	96	115802	20.098	ug/l 98
20) Diisopropyl ether	3.87	45	362557	21.049	ug/l 96
21) 1,1-Dichloroethane	3.70	63	210654	21.413	ug/l 98
22) cis-1,2-Dichloroethene	4.60	96	135729	21.420	ug/l 96
23) tert-Butyl Alcohol	3.07	59	144264	101.181	ug/l 100
24) Methyl tert-Butyl Ether	3.20	73	390924	20.974	ug/l 100
25) Chloroform	5.21	83	215317	21.177	ug/l 97
26) Cyclohexane	5.57	56	174909	21.111	ug/l # 98
29) 1,1-Dichloropropene	5.80	75	153299	21.084	ug/l 99
30) 2-Butanone	4.70	43	454983	104.726	ug/l # 98
31) 2,2-Dichloropropane	4.58	77	161412	21.974	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	181344	21.104	ug/l 99
33) Carbon Tetrachloride	5.78	117	159908	21.170	ug/l 95
34) Benzene	6.14	78	475953	21.222	ug/l 99
35) Methacrylonitrile	5.06	41	95141	21.454	ug/l 98
36) 1,2-Dichloroethane	6.20	62	160846	20.784	ug/l 100
37) Trichloroethene	7.21	130	142692	21.578	ug/l 99
38) Methylcyclohexane	7.46	83	193776	21.029	ug/l 98
39) 1,2-Dichloropropane	7.52	63	119884	21.315	ug/l 100
40) Dibromomethane	7.66	93	85794	21.176	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	150186	21.122	ug/l	98
42) Vinyl Acetate	3.82	43	1516175	102.930	ug/l	99
43) Ethyl Acetate	4.85	43	167444	20.655	ug/l	98
44) Isopropyl Acetate	6.46	43	266534	21.051	ug/l	98
45) 1,4-Dioxane	7.75	88	61473	400.664	ug/l	99
46) Methyl methacrylate	7.77	41	133184	20.573	ug/l	96
47) n-amyl Acetate	10.90	43	230782	20.730	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	165078	21.286	ug/l	98
49) cis-1,3-Dichloropropene	8.43	75	181912	21.115	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	129546	21.304	ug/l	97
51) Ethyl methacrylate	9.18	69	181382	20.876	ug/l	97
52) 1,3-Dichloropropane	9.37	76	206027	21.160	ug/l	98
53) Dibromochloromethane	9.58	129	130076	21.164	ug/l	98
54) 1,2-Dibromoethane	9.67	107	137842	21.057	ug/l	100
55) 2-Chloroethyl vinyl ether	8.31	63	623068	130.354	ug/l	100
56) Bromoform	10.85	173	95496	20.463	ug/l	98
58) 4-Methyl-2-Pentanone	8.65	43	897651	106.452	ug/l	100
59) 2-Hexanone	9.49	43	686926	105.269	ug/l	99
61) Tetrachloroethene	9.34	164	150115	21.357	ug/l	97
62) Toluene	8.78	91	539626	21.259	ug/l	99
64) Chlorobenzene	10.13	112	360285	21.516	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	128826	21.720	ug/l	96
66) Ethyl Benzene	10.25	91	594795	21.628	ug/l	97
67) m/p-Xylenes	10.36	106	466472	42.951	ug/l	99
68) o-Xylene	10.69	106	224121	21.066	ug/l	99
69) Styrene	10.71	104	368425	21.465	ug/l	98
70) Isopropylbenzene	11.02	105	619303	21.987	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.27	83	188830	20.939	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	182644m	21.542	ug/l	
73) Bromobenzene	11.26	156	166633	21.375	ug/l	99
74) n-propylbenzene	11.36	91	697617	22.008	ug/l	100
75) 2-Chlorotoluene	11.42	91	397428	21.142	ug/l	98
76) 1,3,5-Trimethylbenzene	11.51	105	502436	21.373	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	50359	20.443	ug/l	95
78) 4-Chlorotoluene	11.51	91	462519	21.132	ug/l	99
79) tert-butylbenzene	12.06	119	549738	21.614	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	511540	21.491	ug/l	99
81) sec-Butylbenzene	11.94	105	617400	21.781	ug/l	100
82) p-Isopropyltoluene	12.06	119	549738	21.614	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	301003	21.720	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	294741	21.258	ug/l	99
85) n-Butylbenzene	12.38	91	461798	21.156	ug/l	99
86) Hexachloroethane	12.60	117	86538	22.006	ug/l	97
87) 1,2-Dichlorobenzene	12.39	146	294827	21.366	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	37757	20.542	ug/l	98
89) 1,2,4-Trichlorobenzene	13.65	180	205393	21.682	ug/l	98
90) Hexachlorobutadiene	13.78	225	98216	21.739	ug/l	98
91) Naphthalene	13.83	128	625491	21.813	ug/l	98
92) 1,2,3-Trichlorobenzene	14.02	180	203313	21.645	ug/l	98

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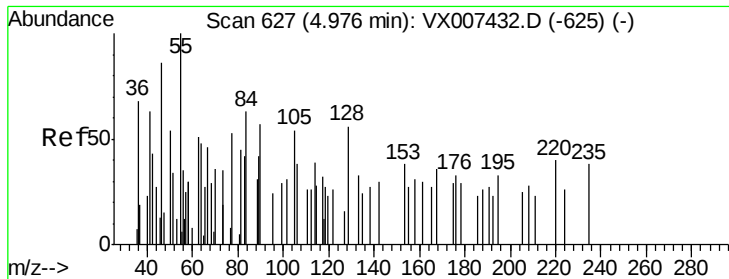
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX007434.D

Acq: 08 Feb 2019 11:09

Instrument :

MSVOA_X

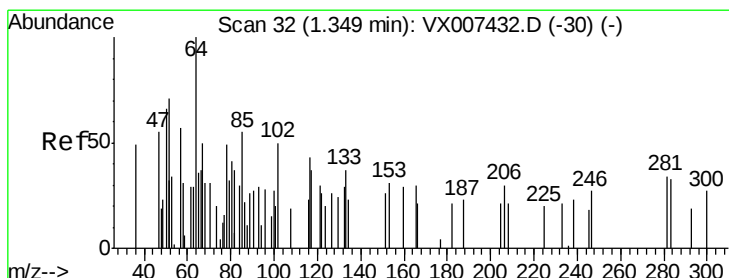
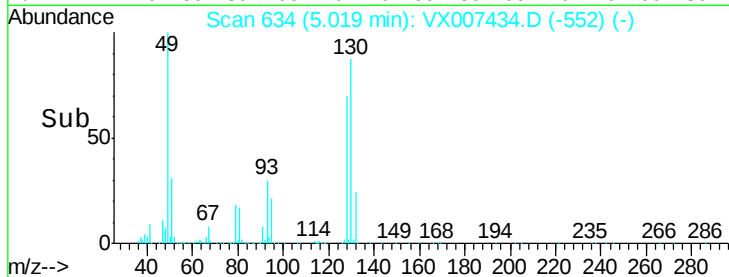
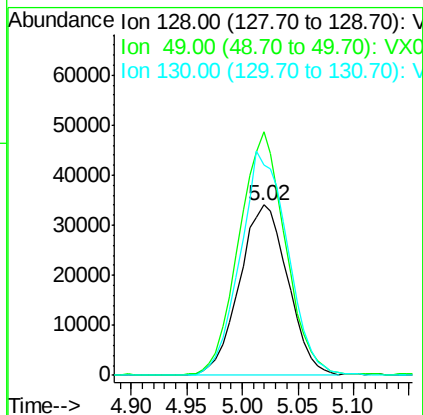
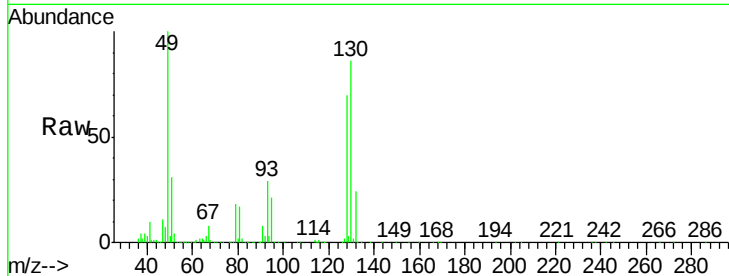
ClientSampleId :

VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
49	136.7	0.0	345.5
130	129.3	0.0	320.0

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#2

Dichlorodifluoromethane

Concen: 19.720 ug/l

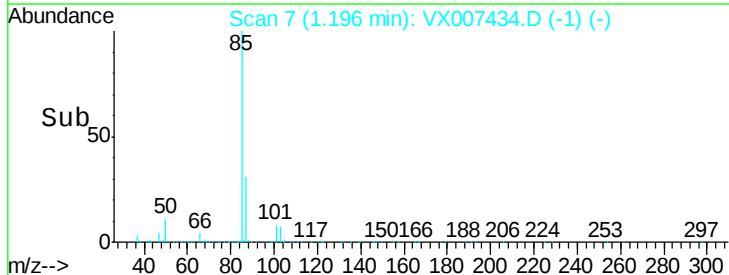
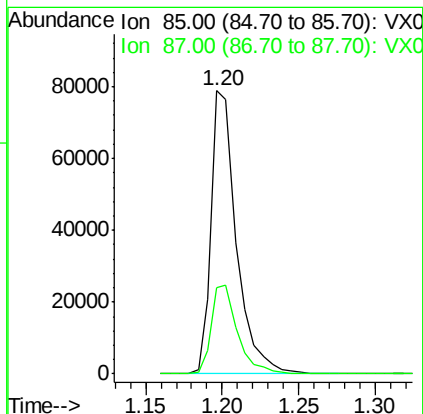
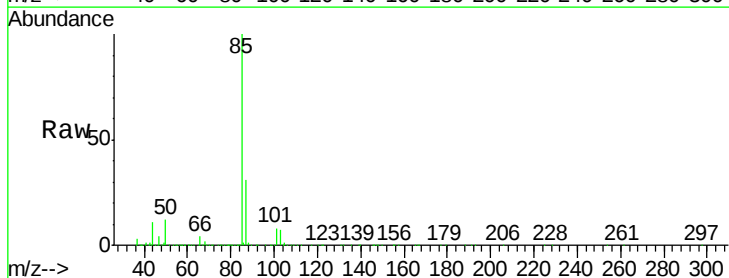
RT: 1.20 min Scan# 7

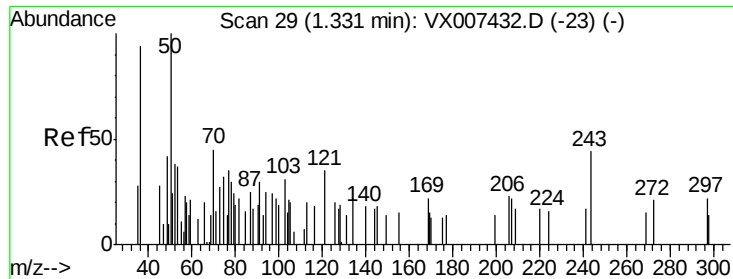
Delta R.T. -0.00 min

Lab File: VX007434.D

Acq: 08 Feb 2019 11:09

Tgt Ion	Ratio	Lower	Upper
85	100		
87	30.5	16.4	49.1





#3

Chloromethane

Concen: 19.994 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007434.D

Acq: 08 Feb 2019 11:09

Tot Ion: 50 Resp: 103445

Ion Ratio Lower Upper

50 100

52 31.3 25.7 38.5

Instrument :

MSVOA_X

ClientSampleId :

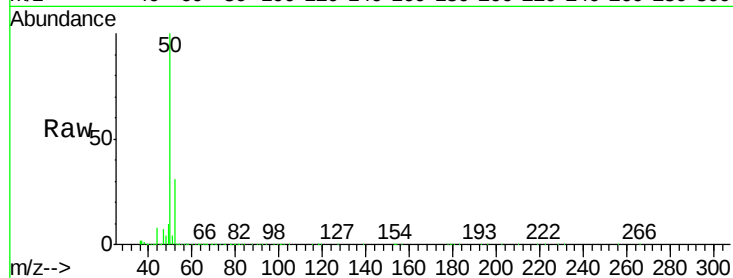
VSTDCCC020

Manual Integrations

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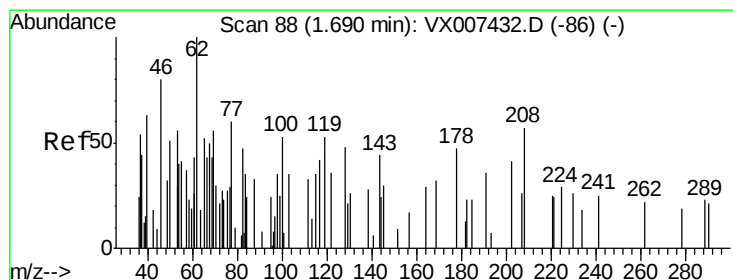
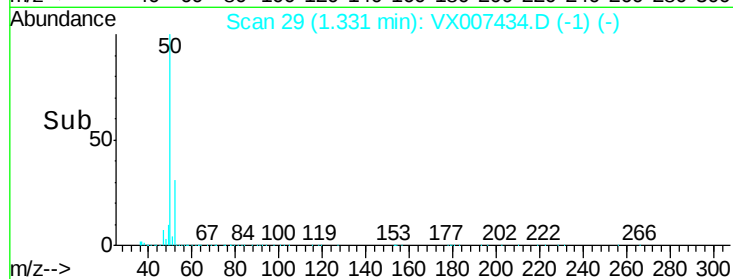
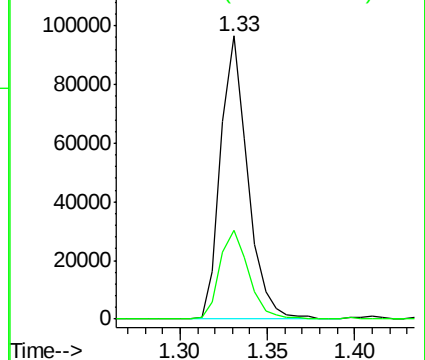
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Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 20.100 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007434.D

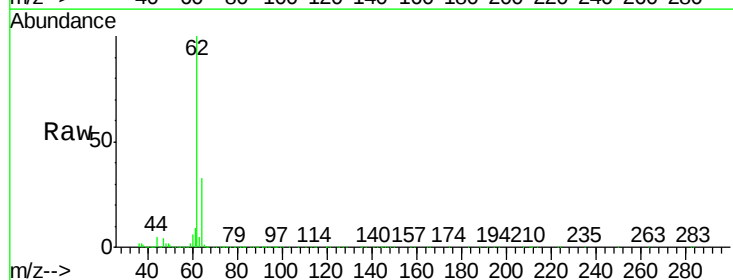
Acq: 08 Feb 2019 11:09

Tgt Ion: 62 Resp: 118013

Ion Ratio Lower Upper

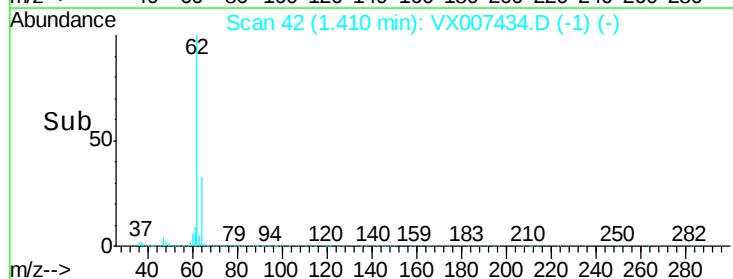
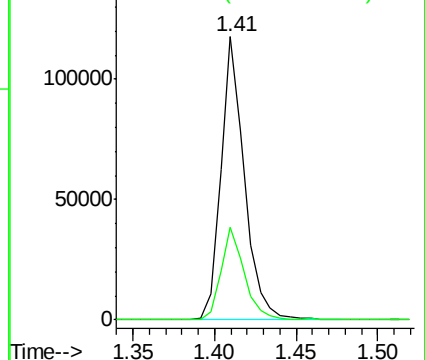
62 100

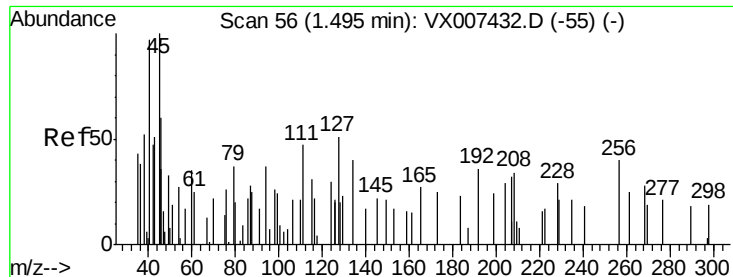
64 32.7 25.5 38.3



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 21.197 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX007434.D

Acq: 08 Feb 2019 11:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 129716

Ion Ratio Lower Upper

94 100

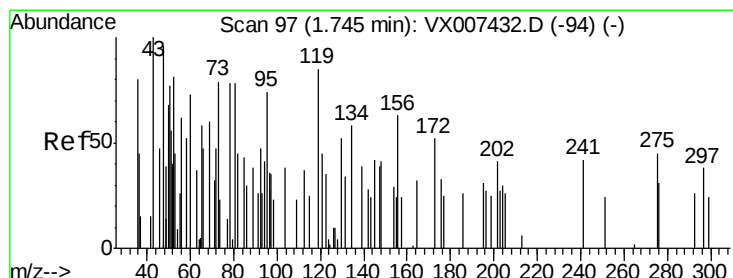
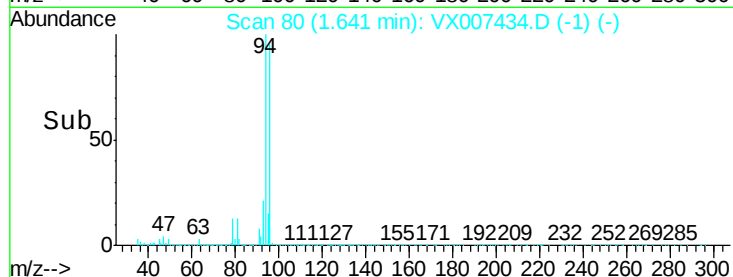
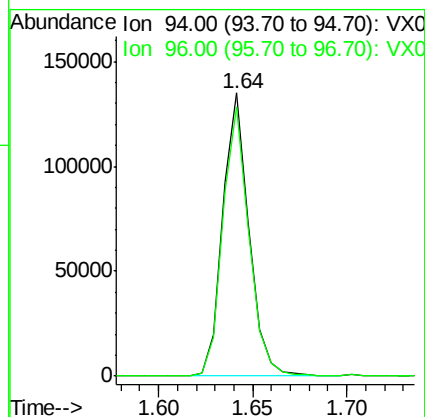
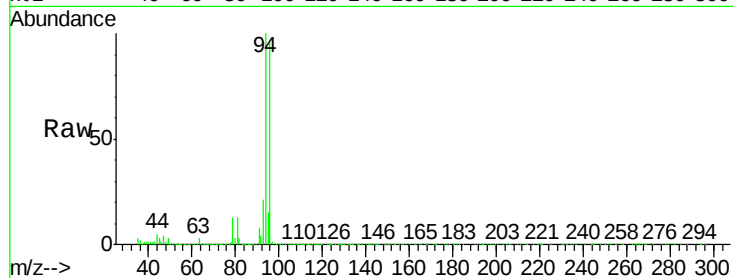
96 95.1 77.4 116.2

Manual Integrations

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#6

Chloroethane

Concen: 20.204 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX007434.D

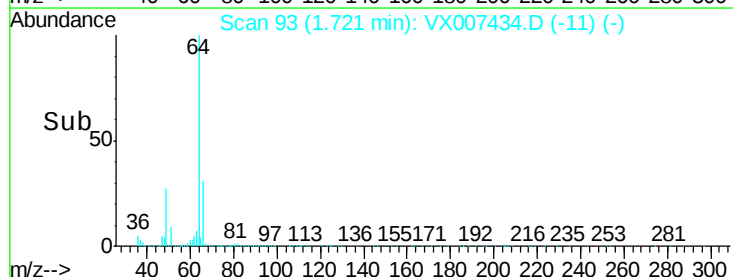
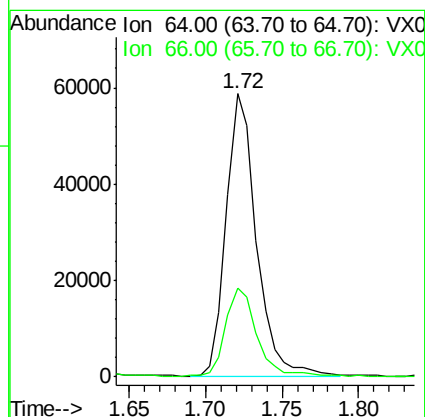
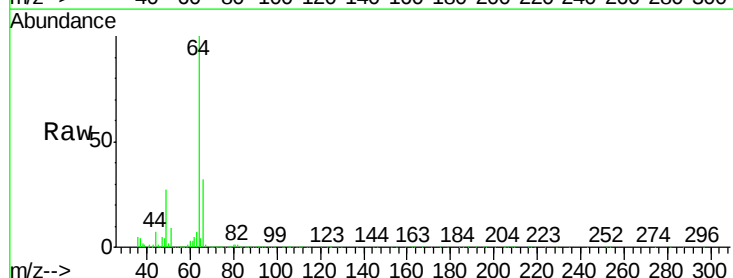
Acq: 08 Feb 2019 11:09

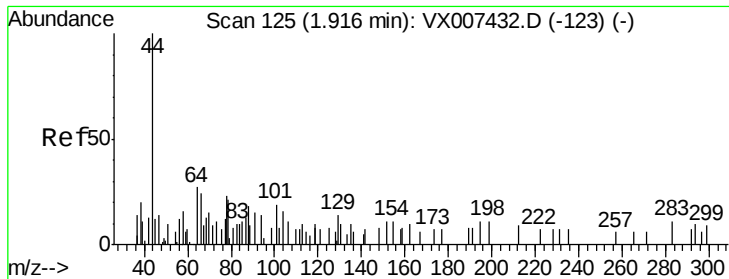
Tgt Ion: 64 Resp: 79944

Ion Ratio Lower Upper

64 100

66 31.1 24.2 36.2





#7

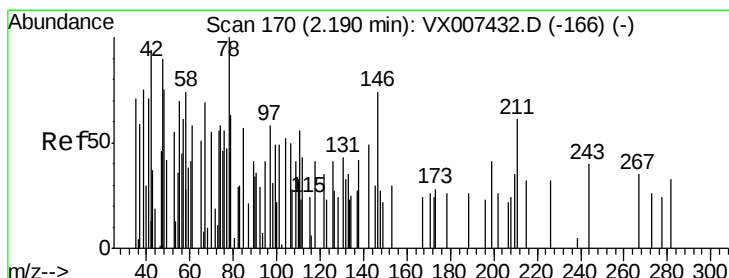
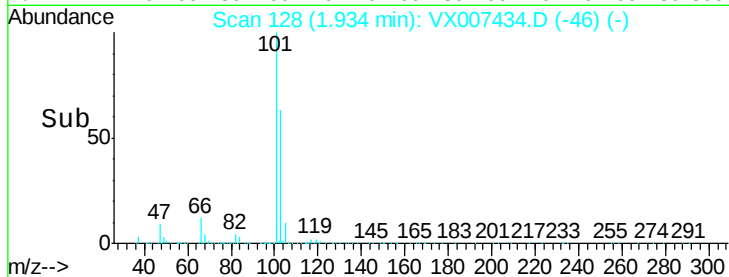
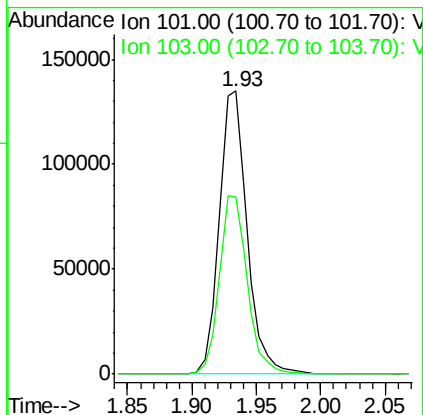
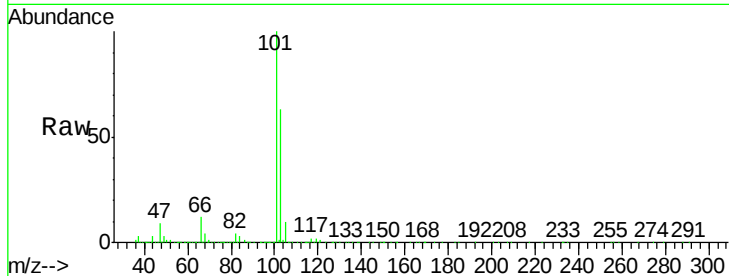
Trichlorofluoromethane
Concen: 20.624 ug/l
RT: 1.93 min Scan# 128
Delta R.T. -0.00 min
Lab File: VX007434.D
Acq: 08 Feb 2019 11:09

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.7	52.6	78.8

Manual Integrations
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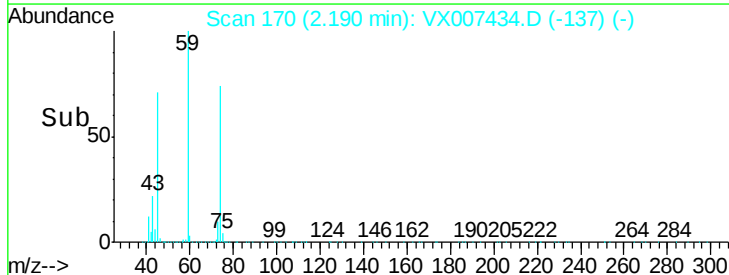
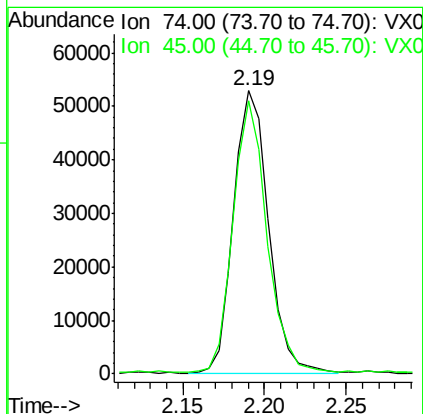
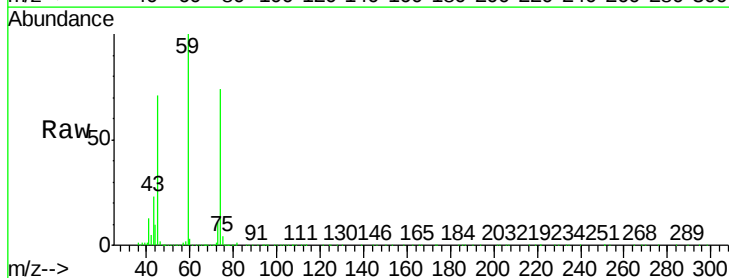
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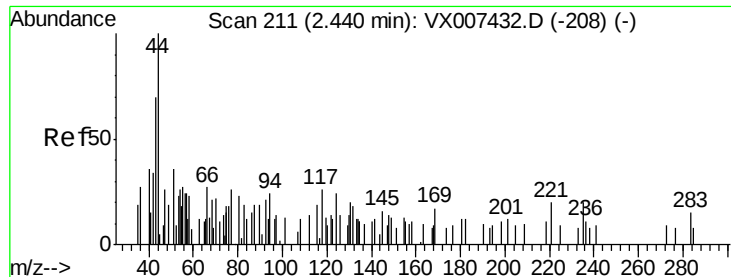


#8

Diethyl Ether
Concen: 21.151 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007434.D
Acq: 08 Feb 2019 11:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.2	18.6	167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.242 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX007434.D

Acq: 08 Feb 2019 11:09

Instrument :

MSVOA_X

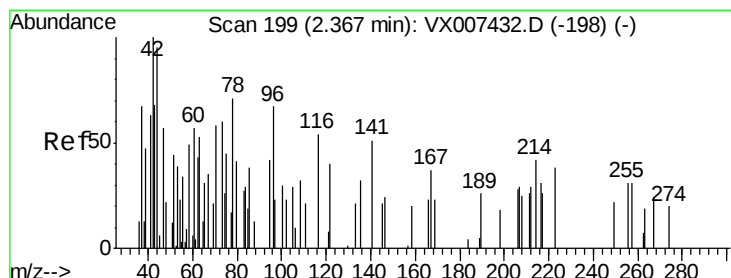
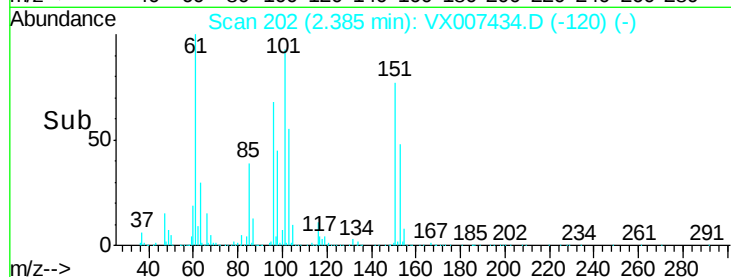
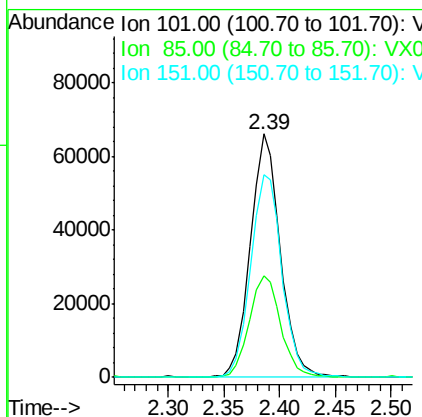
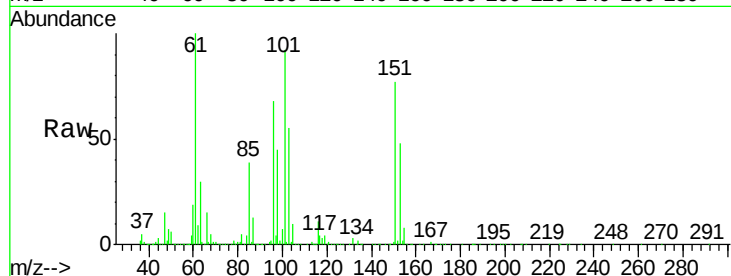
ClientSampleId :

VSTDCCC020

Tot Ion:	101	Resp:	124360
Ion Ratio	Lower	Upper	
101	100		
85	43.7	0.0	87.4
151	87.0	0.0	176.4

Manual Integrations
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2/11/2019 9:37:16 AM



#10

1,1-Dichloroethene

Concen: 20.753 ug/l

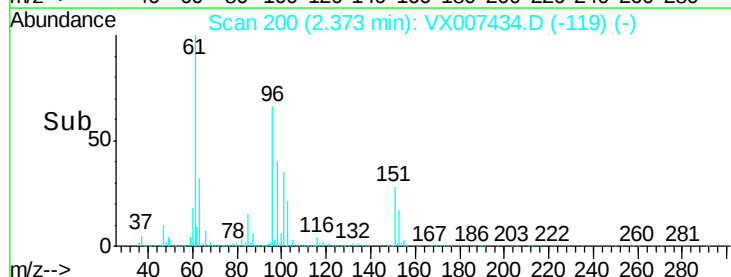
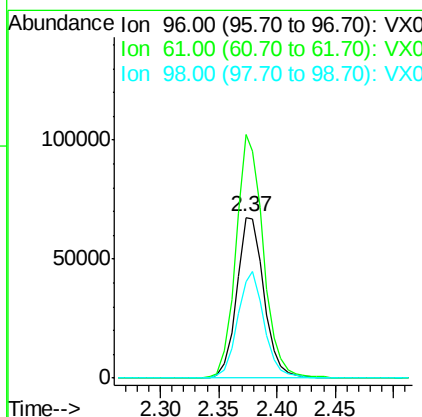
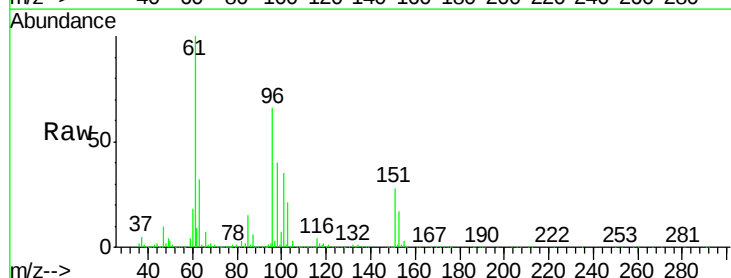
RT: 2.37 min Scan# 200

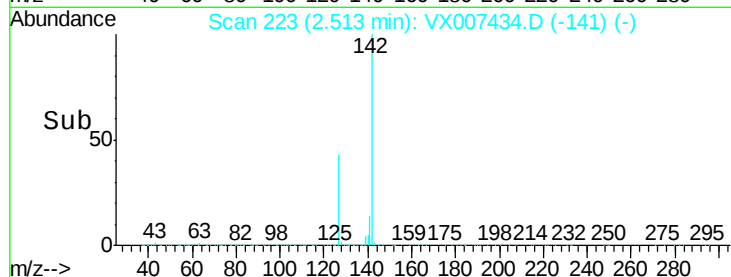
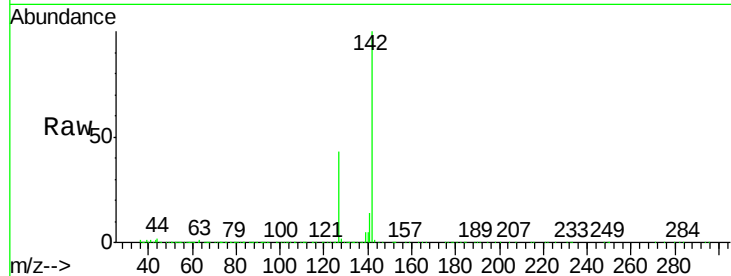
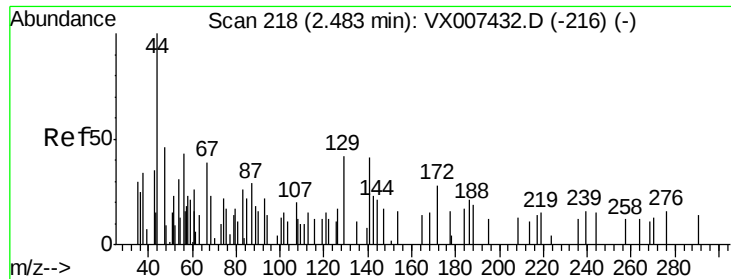
Delta R.T. -0.01 min

Lab File: VX007434.D

Acq: 08 Feb 2019 11:09

Tgt Ion:	96	Resp:	110429
Ion Ratio	Lower	Upper	
96	100		
61	151.8	119.6	179.4
98	60.5	50.9	76.3





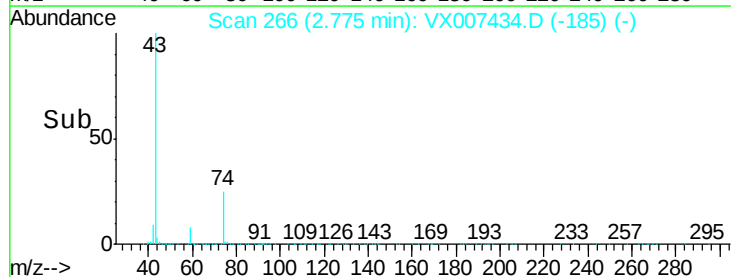
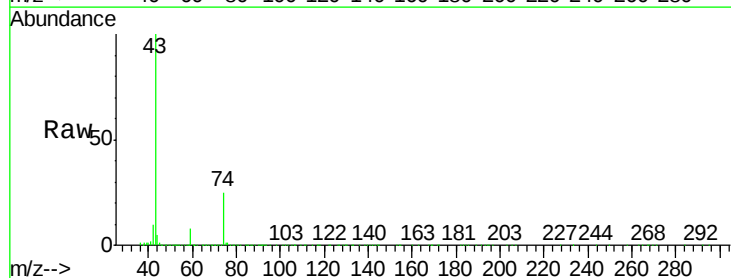
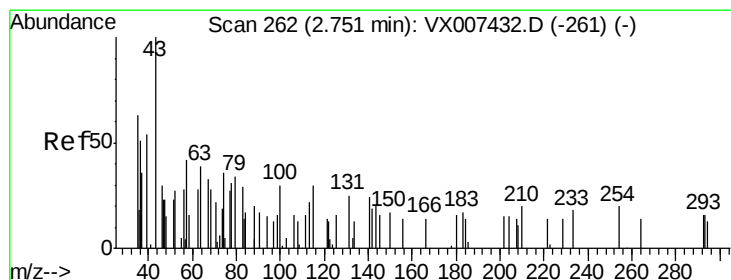
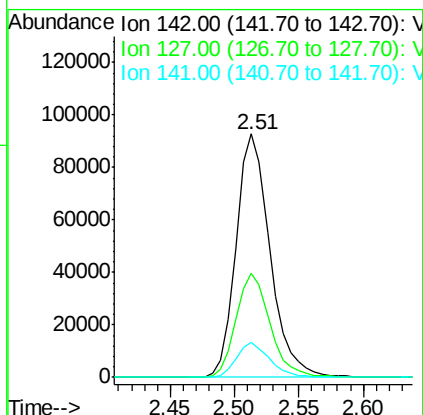
#11
Methyl Iodide
Concen: 19.642 ug/l
RT: 2.51 min Scan# 223
Delta R.T. -0.00 min
Lab File: VX007434.D
Acq: 08 Feb 2019 11:09

Tot Ion	Ratio	Resp	Lower	Upper
142	100	169567		
127	42.9	20.0	59.9	
141	14.1	6.3	19.1	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

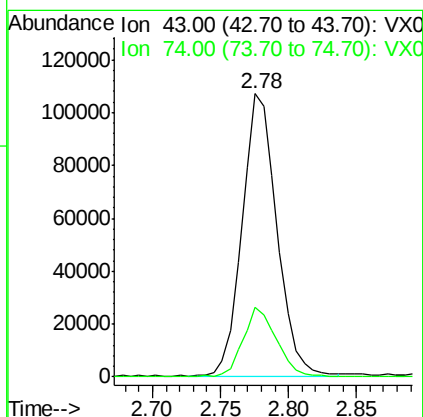
Manual Integrations
APPROVED

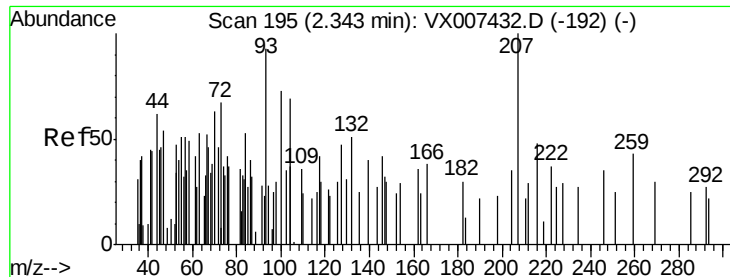
MMDadoda
2/11/2019 9:37:16 AM



#12
Methyl Acetate
Concen: 21.041 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX007434.D
Acq: 08 Feb 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	190677		
74	24.4	19.8	29.8	





#13

Acrolein

Concen: 69.196 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX007434.D

Acq: 08 Feb 2019 11:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 56 Resp: 45397

Ion Ratio Lower Upper

56 100

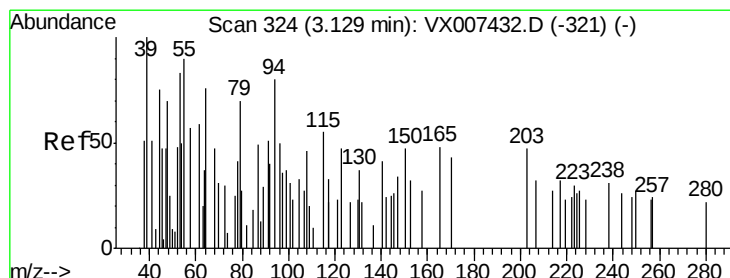
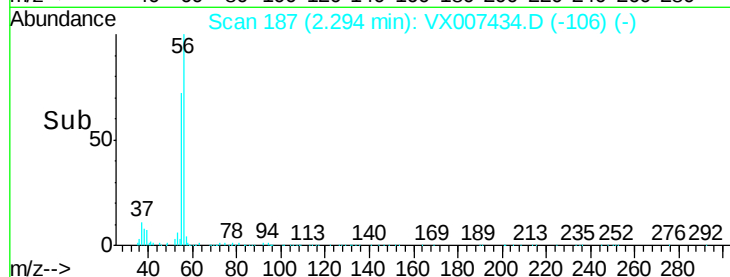
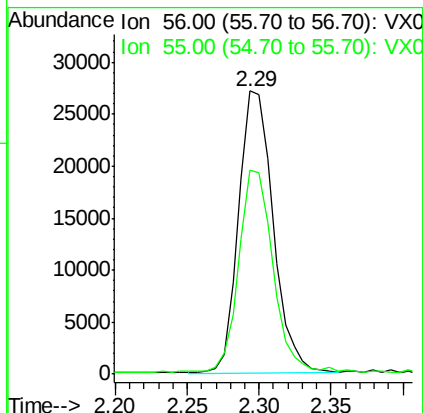
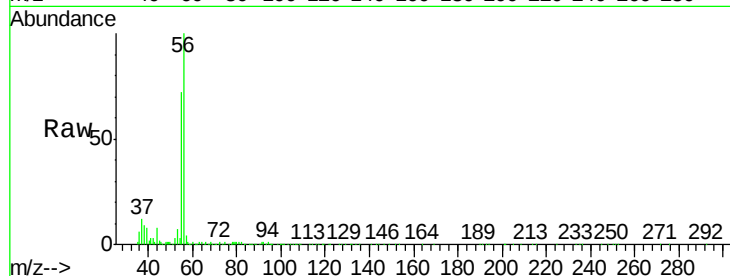
55 70.0 58.6 87.8

Manual Integrations

APPROVED

MMDadoda

2/11/2019 9:37:16 AM



#14

Acrylonitrile

Concen: 105.601 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX007434.D

Acq: 08 Feb 2019 11:09

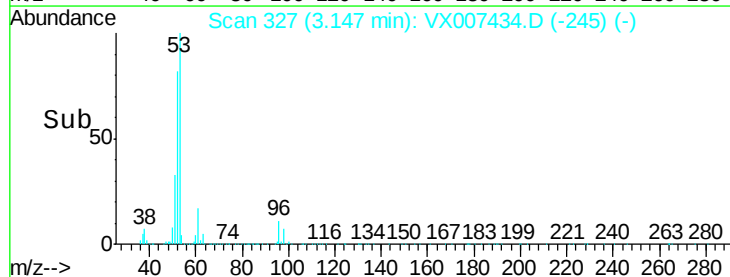
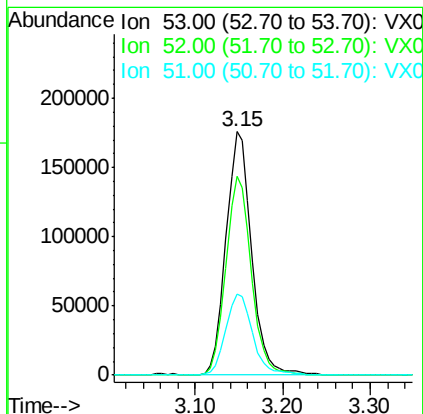
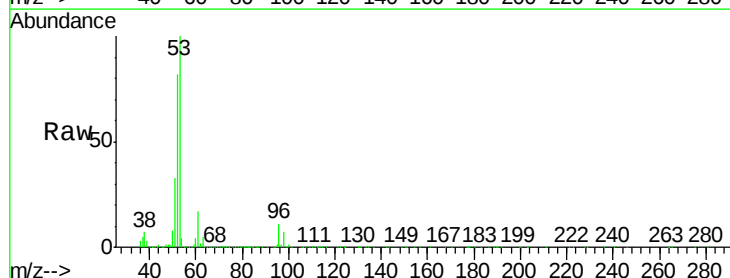
Tgt Ion: 53 Resp: 358282

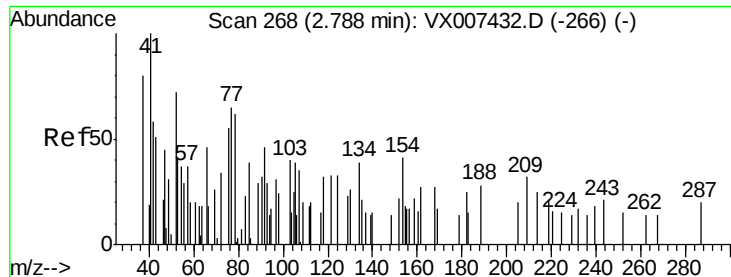
Ion Ratio Lower Upper

53 100

52 80.8 41.3 124.1

51 35.1 17.9 53.8





#15

Acetone

Concen: 103.078 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007434.D

Acq: 08 Feb 2019 11:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 99404

Ion Ratio Lower Upper

58 100

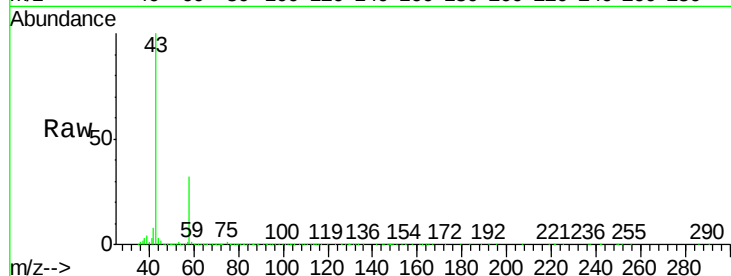
43 317.0 265.9 398.9

Manual Integrations

APPROVED

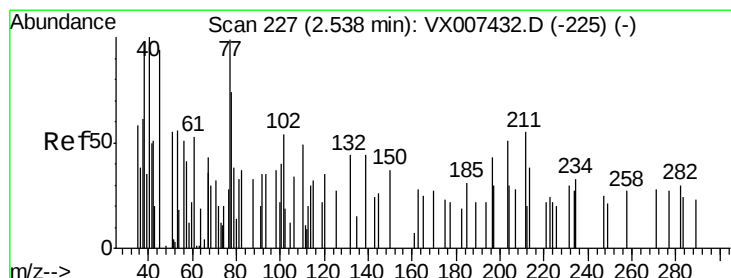
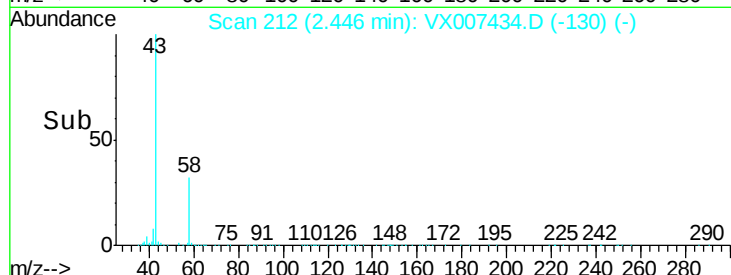
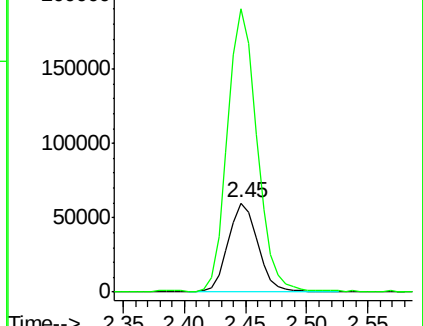
MMDadoda

2/11/2019 9:37:16 AM



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 19.212 ug/l

RT: 2.57 min Scan# 233

Delta R.T. -0.00 min

Lab File: VX007434.D

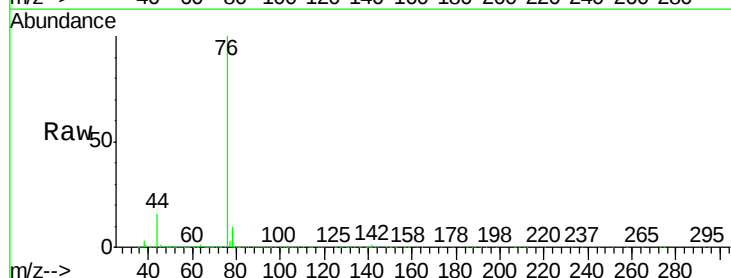
Acq: 08 Feb 2019 11:09

Tgt Ion: 76 Resp: 246510

Ion Ratio Lower Upper

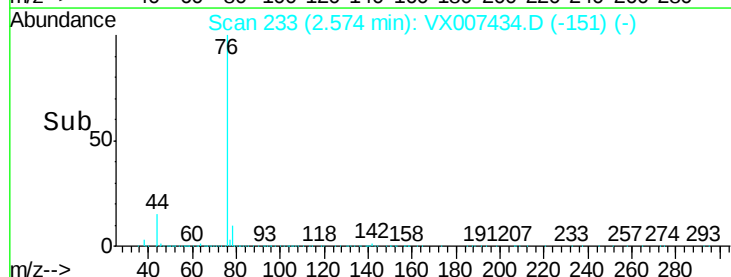
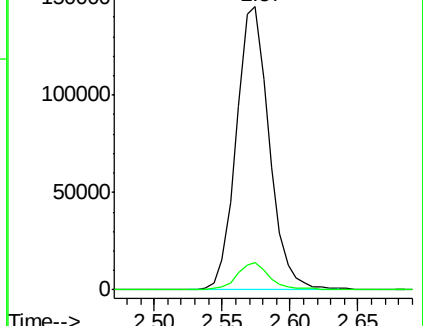
76 100

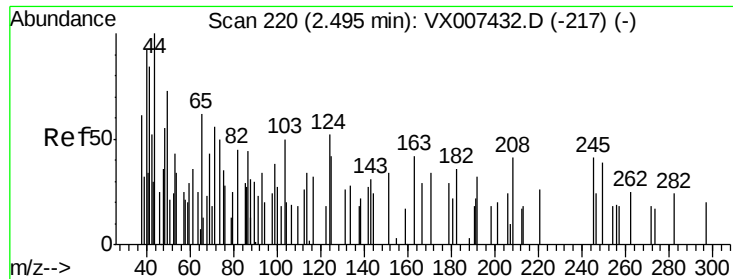
78 9.7 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





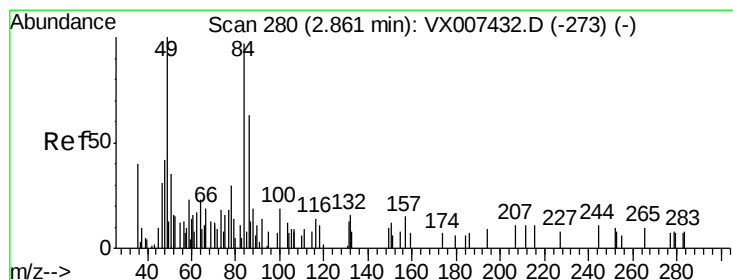
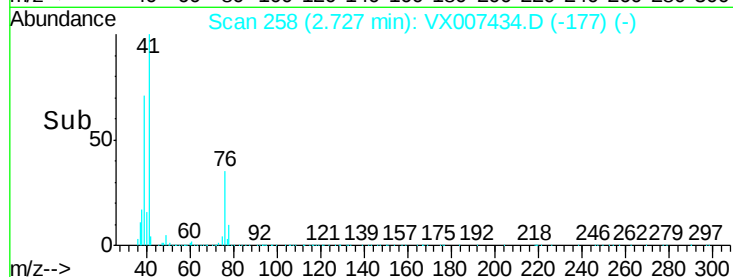
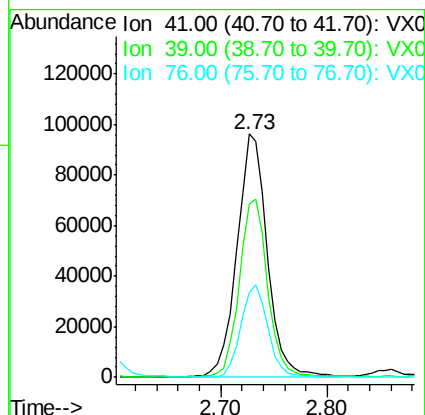
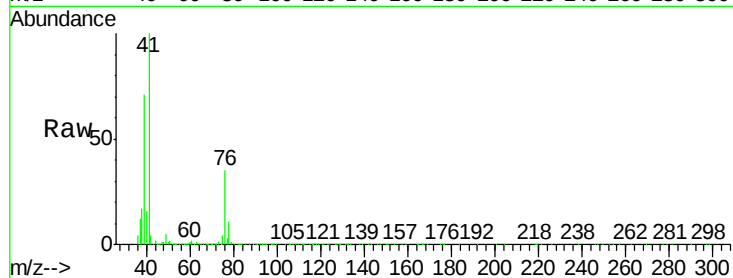
#17
Allvl chloride
Concen: 20.711 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.01 min
Lab File: VX007434.D
Acq: 08 Feb 2019 11:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	71.1	37.0	111.0
76	34.7	19.3	57.8

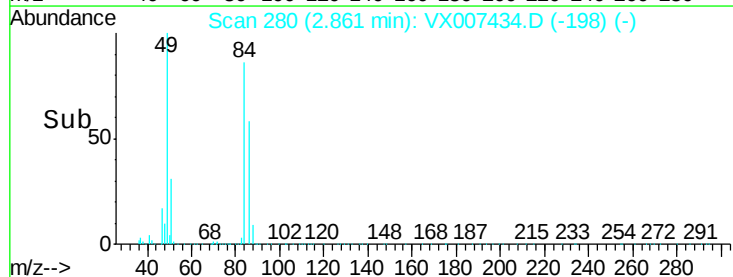
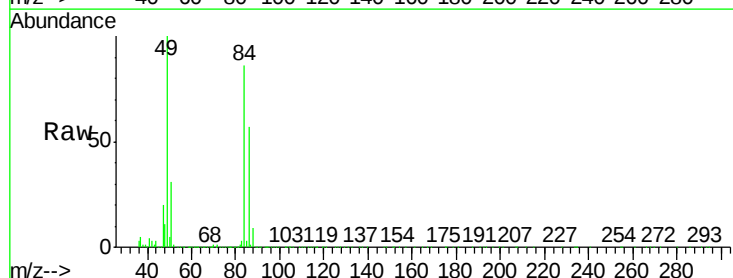
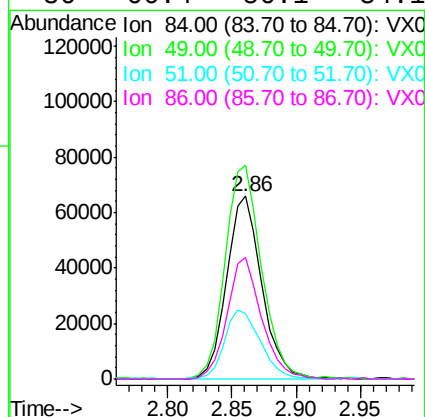
Manual Integrations
APPROVED

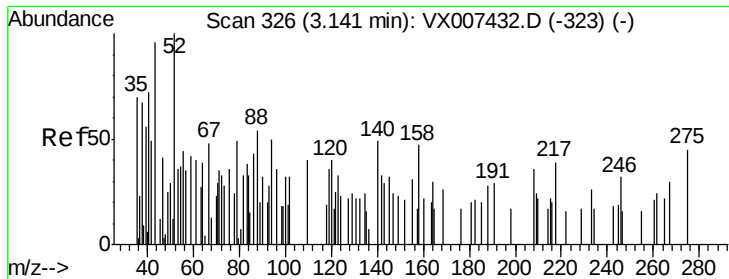
MMDadoda
2/11/2019 9:37:16 AM



#18
Methylene Chloride
Concen: 20.527 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX007434.D
Acq: 08 Feb 2019 11:09

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.6	98.4	147.6
51	35.4	28.9	43.3
86	66.4	56.1	84.1





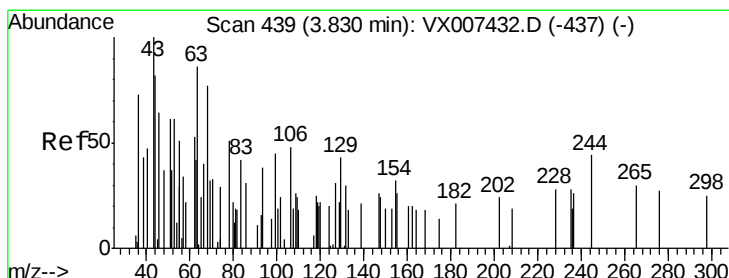
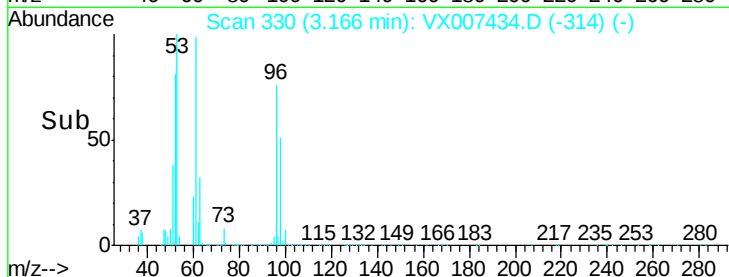
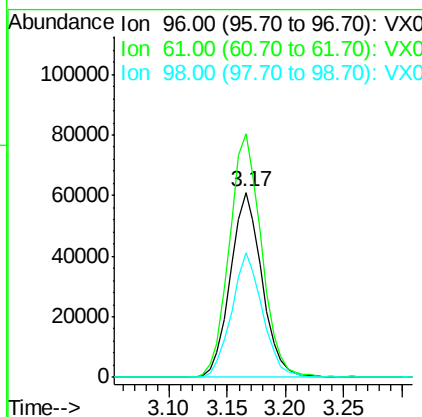
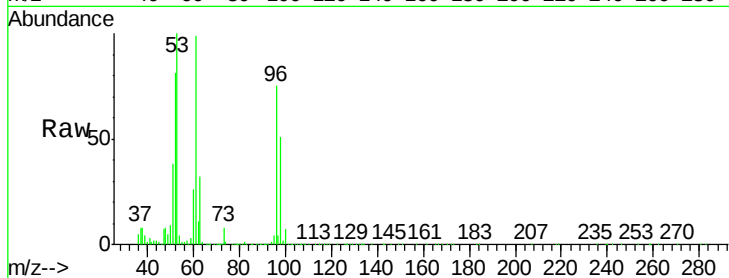
#19
trans-1,2-Dichloroethene
Concen: 20.098 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX007434.D
Acq: 08 Feb 2019 11:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.2	107.8	161.6
98	67.5	54.9	82.3

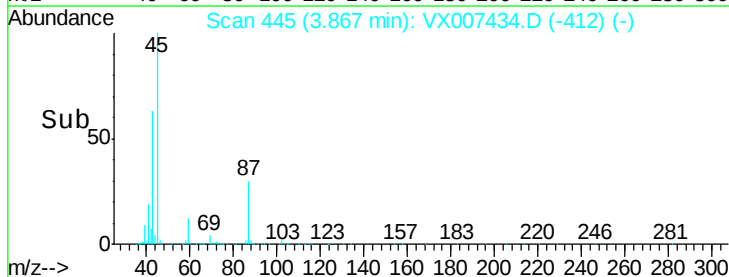
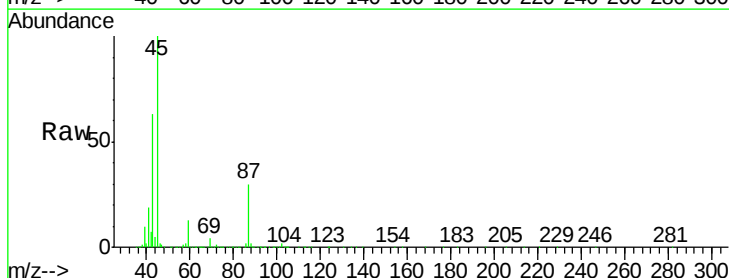
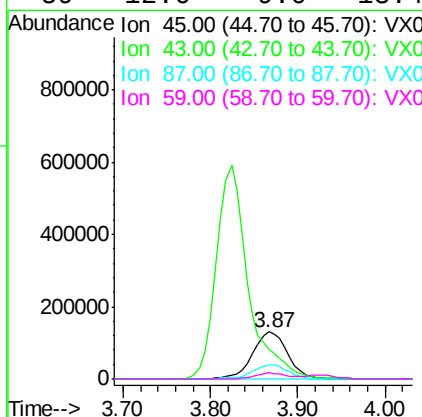
Manual Integrations
APPROVED

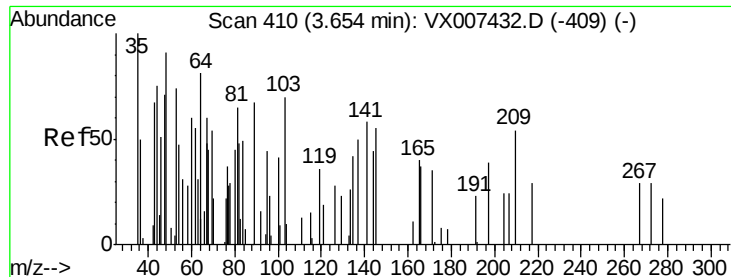
MMDadoda
2/11/2019 9:37:16 AM



#20
Diisopropyl ether
Concen: 21.049 ug/l
RT: 3.87 min Scan# 445
Delta R.T. -0.00 min
Lab File: VX007434.D
Acq: 08 Feb 2019 11:09

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.3	53.1	79.7
87	29.8	23.7	35.5
59	12.6	9.0	13.4





#21

1,1-Dichloroethane

Concen: 21.413 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007434.D

Acq: 08 Feb 2019 11:09

Instrument :

MSVOA_X

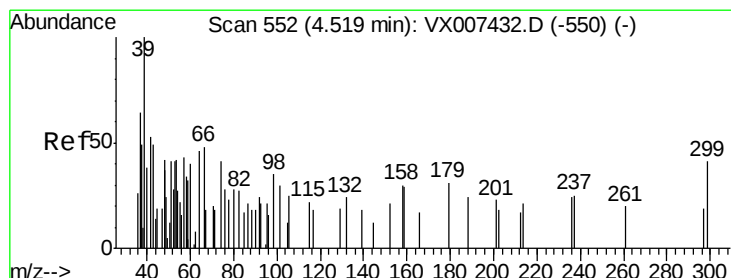
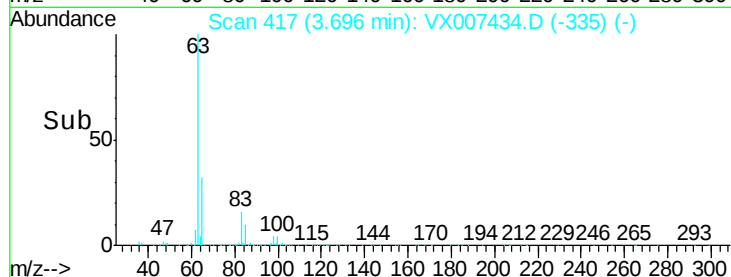
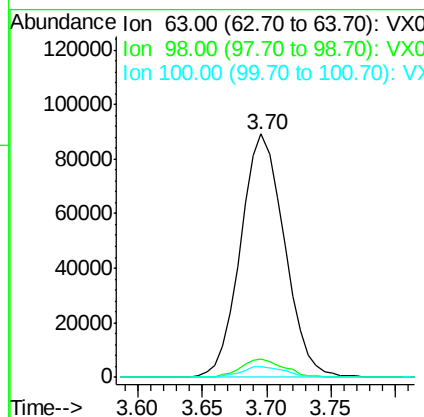
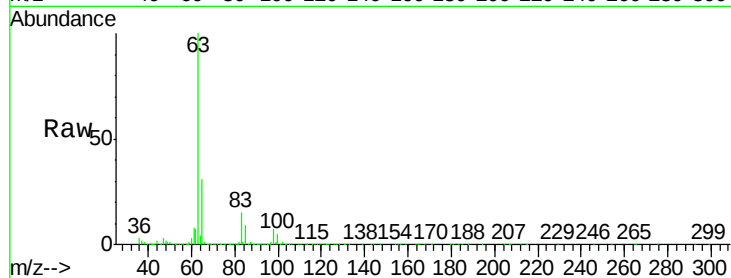
ClientSampleId :

VSTDCCC020

Tot Ion:	63	Resp:	210654
Ion Ratio	Lower	Upper	
63	100		
98	7.3	3.3	9.9
100	4.5	2.1	6.2

Manual Integrations
APPROVED

MMDadoda
2/11/2019 9:37:16 AM



#22

cis-1,2-Dichloroethene

Concen: 21.420 ug/l

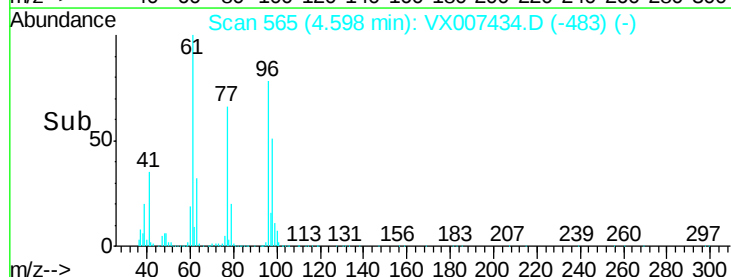
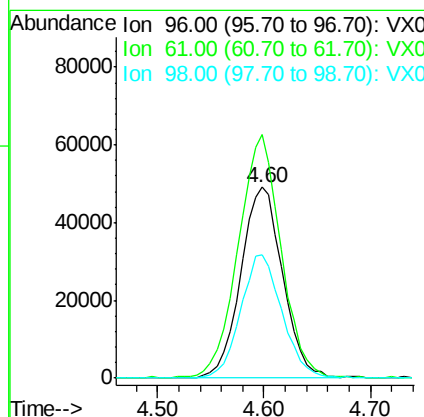
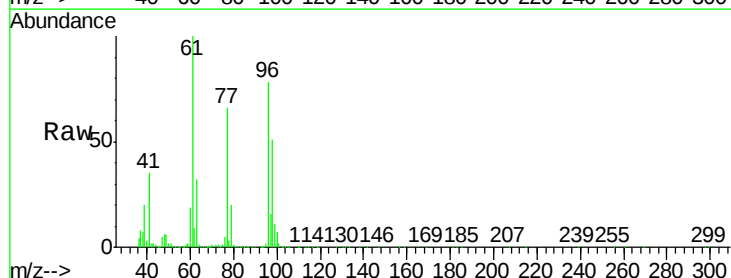
RT: 4.60 min Scan# 565

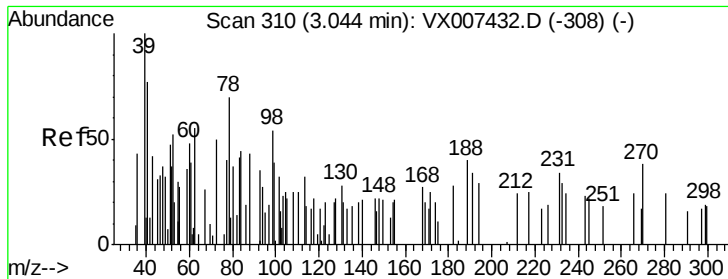
Delta R.T. -0.00 min

Lab File: VX007434.D

Acq: 08 Feb 2019 11:09

Tgt Ion:	96	Resp:	135729
Ion Ratio	Lower	Upper	
96	100		
61	129.1	108.1	162.1
98	63.7	51.9	77.9





#23

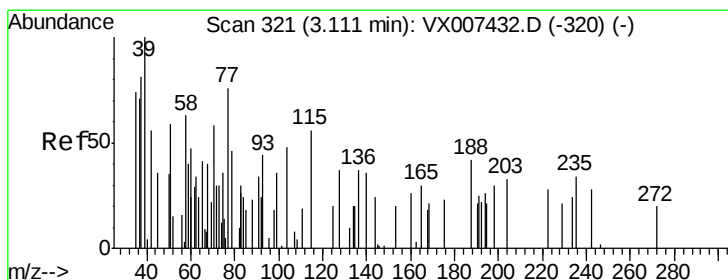
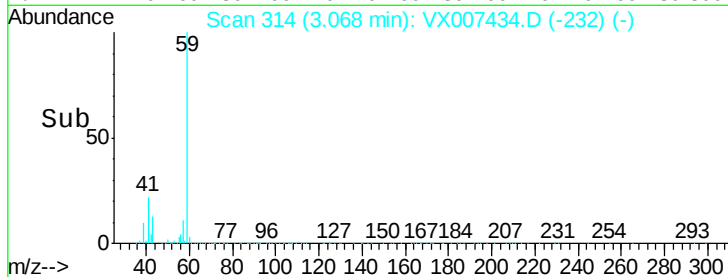
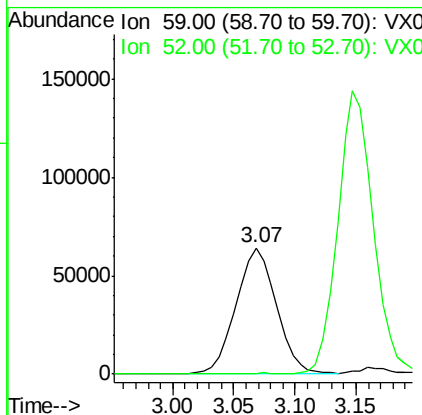
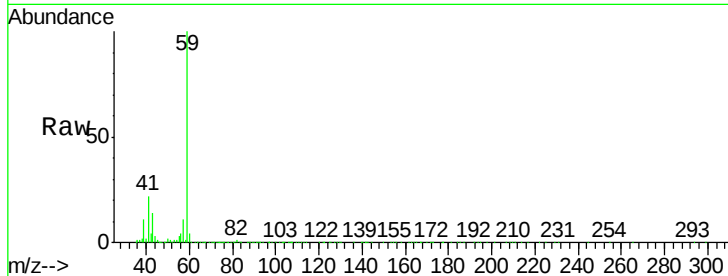
tert-Butyl Alcohol
 Concen: 101.181 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.00 min
 Lab File: VX007434.D
 Acq: 08 Feb 2019 11:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	59	Resp	144264
Ion	Ratio	Lower	Upper
59	100		
52	0.2	0.2	0.2

Manual Integrations
 APPROVED

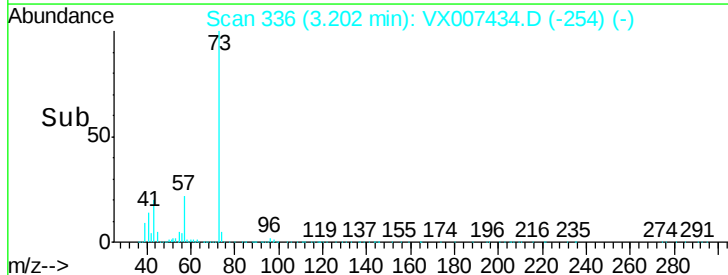
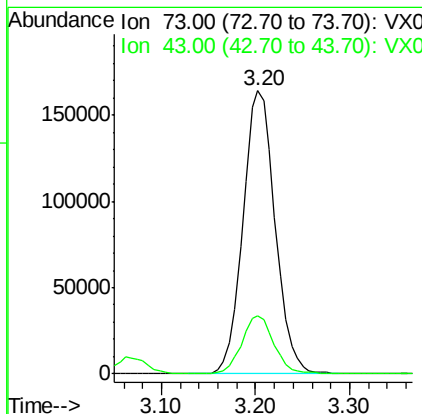
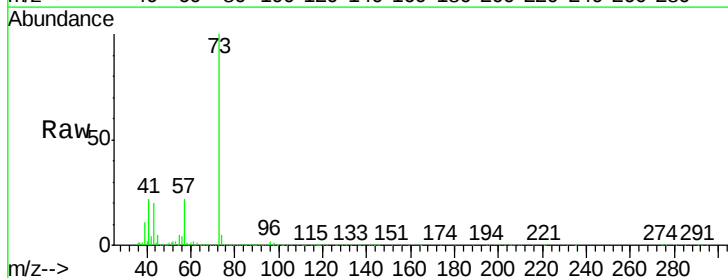
MMDadoda
 2/11/2019 9:37:16 AM

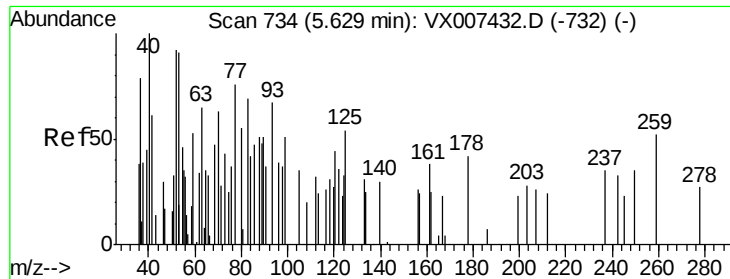


#24

Methyl tert-Butyl Ether
 Concen: 20.974 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VX007434.D
 Acq: 08 Feb 2019 11:09

Tgt Ion	73	Resp	390924
Ion	Ratio	Lower	Upper
73	100		
43	20.1	16.2	24.4





#25

Chloroform

Concen: 21.177 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX007434.D

Acq: 08 Feb 2019 11:09

Tot Ion: 83 Resp: 215317

Ion Ratio Lower Upper

83 100

85 62.3 51.9 77.9

Instrument :

MSVOA_X

ClientSampleId :

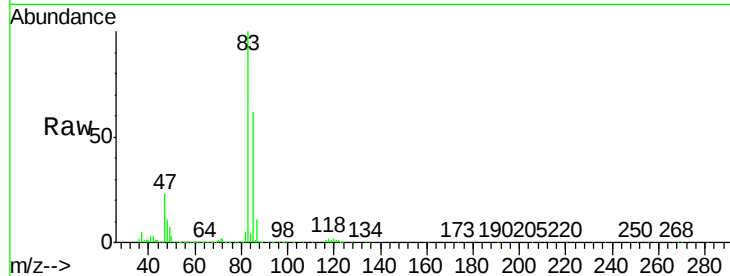
VSTDCCC020

Manual Integrations

APPROVED

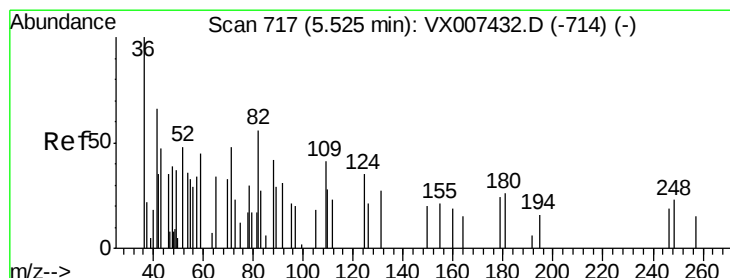
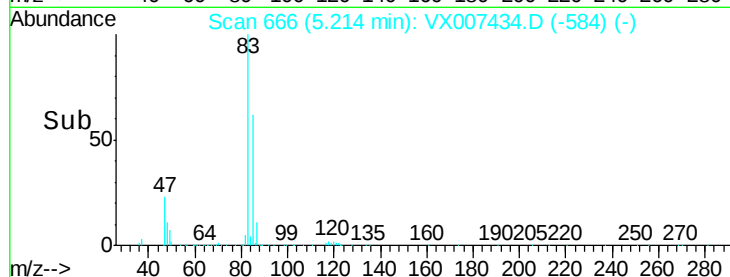
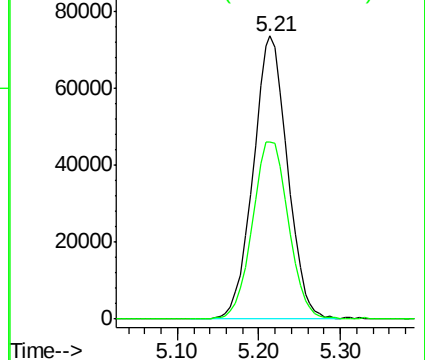
MMDadoda

2/11/2019 9:37:16 AM



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 21.111 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX007434.D

Acq: 08 Feb 2019 11:09

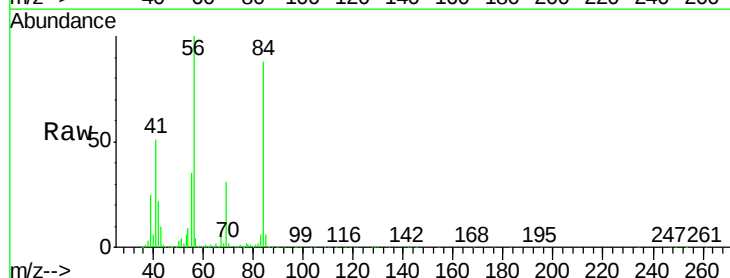
Tgt Ion: 56 Resp: 174909

Ion Ratio Lower Upper

56 100

89 0.0 0.1 0.1#

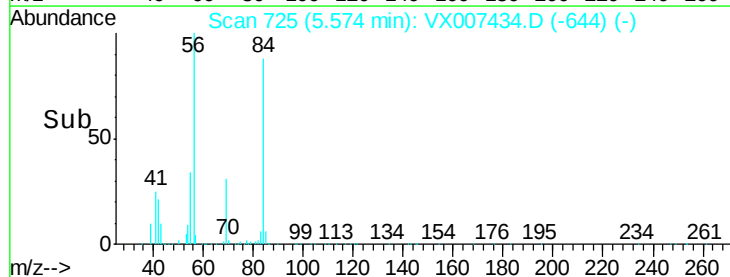
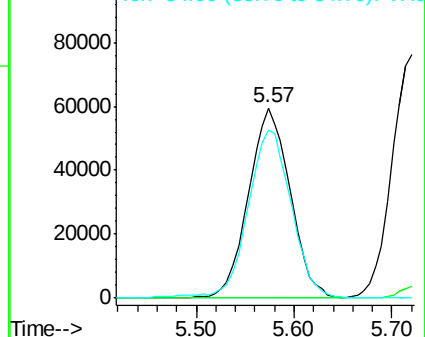
84 90.7 74.2 111.2

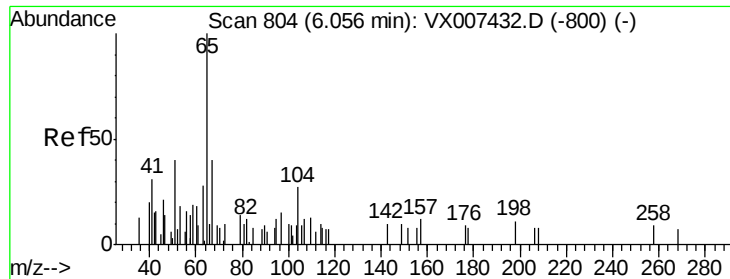


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 29.298 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007434.D

Acq: 08 Feb 2019 11:09

Tot Ion: 65 Resp: 198279

Ion Ratio Lower Upper

65 100

67 53.1 42.0 63.0

Instrument :

MSVOA_X

ClientSampleId :

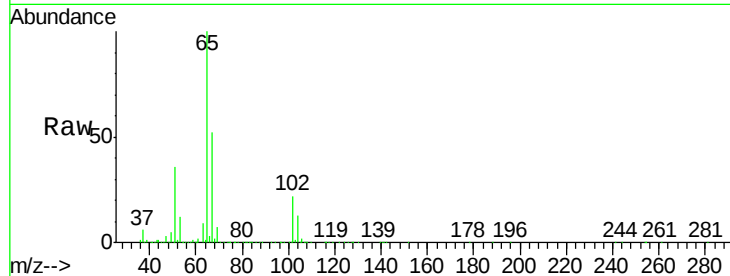
VSTDCCC020

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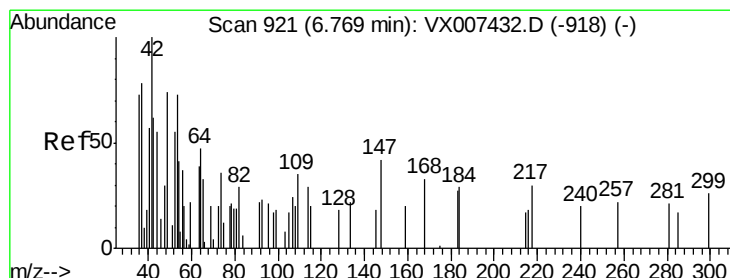
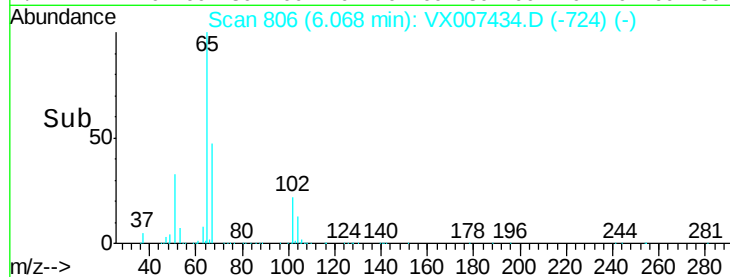
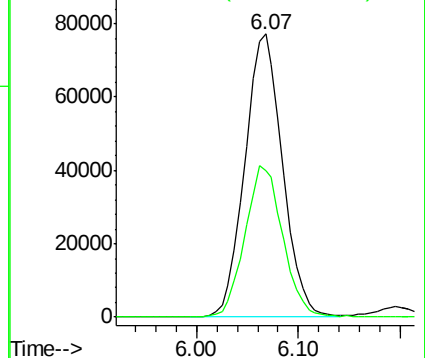
MMDadoda

2/11/2019 9:37:16 AM



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007434.D

Acq: 08 Feb 2019 11:09

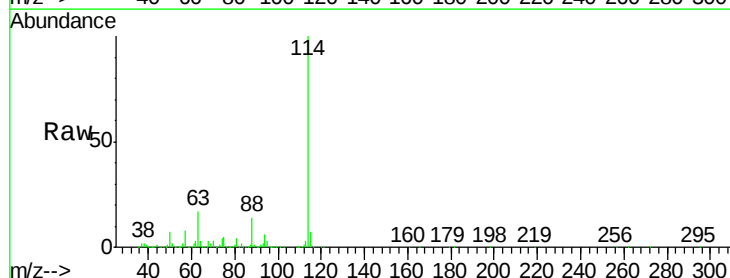
Tgt Ion: 114 Resp: 557756

Ion Ratio Lower Upper

114 100

63 17.6 14.6 21.8

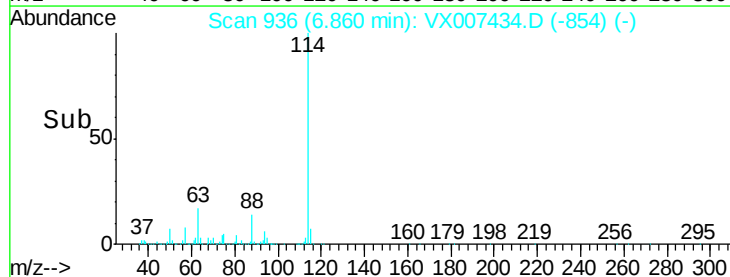
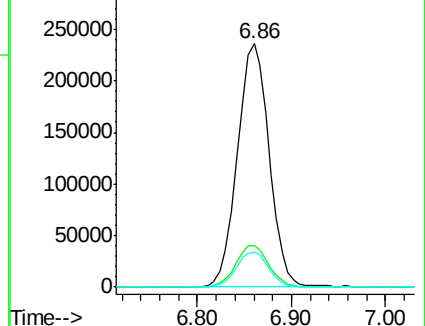
88 14.6 11.8 17.6

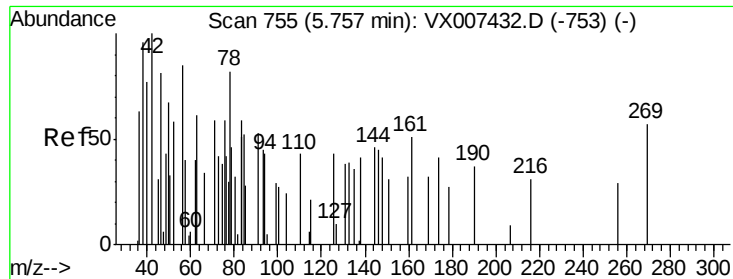


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#29

1,1-Dichloropropene

Concen: 21.084 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX007434.D

Acq: 08 Feb 2019 11:09

Instrument :

MSVOA_X

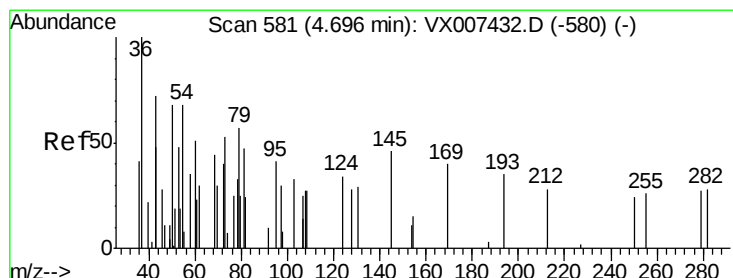
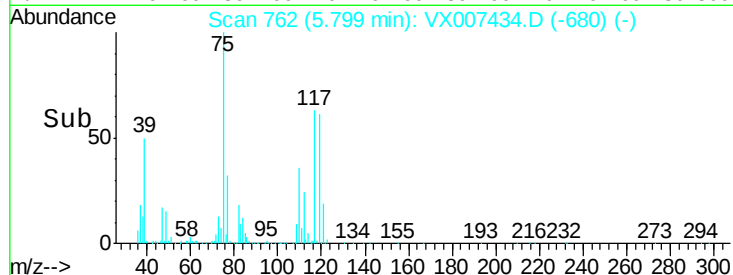
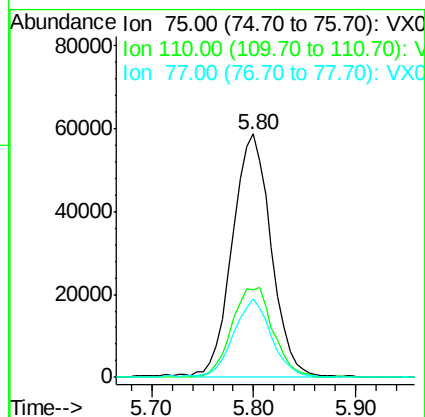
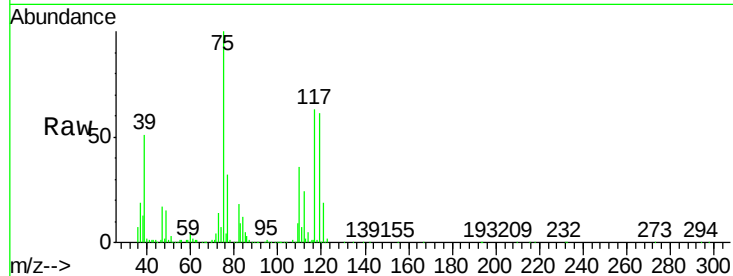
ClientSampleId :

VSTDCCC020

Tot Ion:	75	Resp:	153299
Ion Ratio	Lower	Upper	
75	100		
110	40.0	0.0	78.8
77	31.8	0.0	61.8

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#30

2-Butanone

Concen: 104.726 ug/l

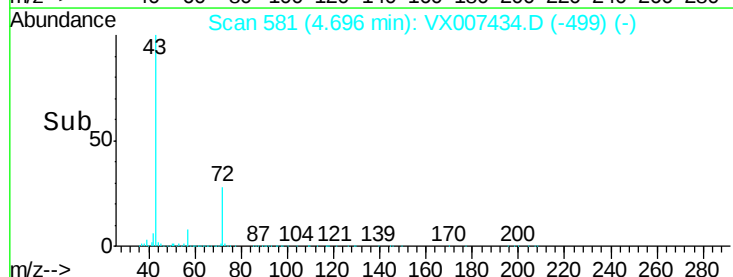
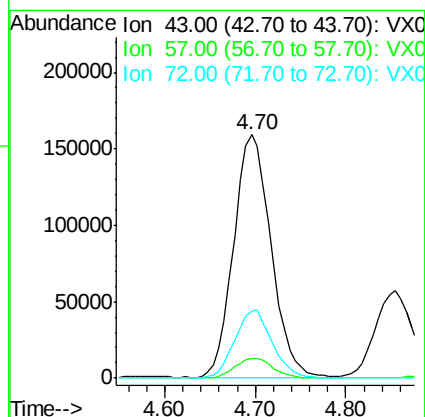
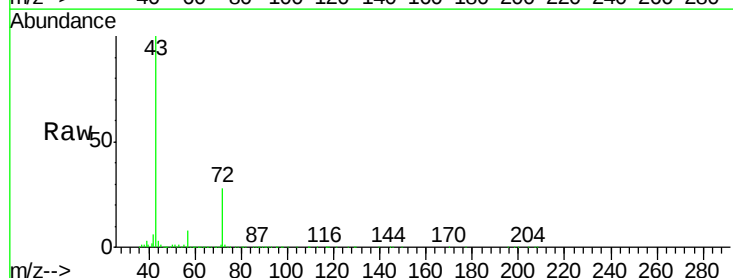
RT: 4.70 min Scan# 581

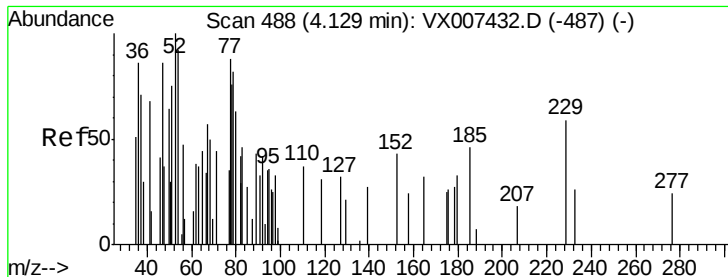
Delta R.T. -0.00 min

Lab File: VX007434.D

Acq: 08 Feb 2019 11:09

Tgt Ion:	43	Resp:	454983
Ion Ratio	Lower	Upper	
43	100		
57	8.0	3.3	4.9#
72	27.6	22.0	33.0





#31

2,2-Dichloropropane

Concen: 21.974 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX007434.D

Acq: 08 Feb 2019 11:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 77 Resp: 161412

Ion Ratio Lower Upper

77 100

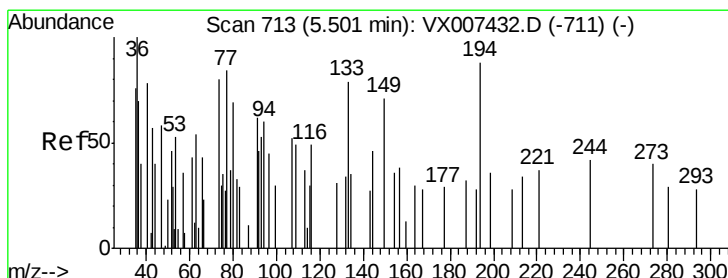
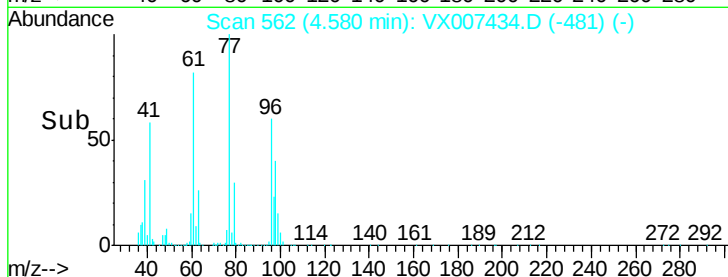
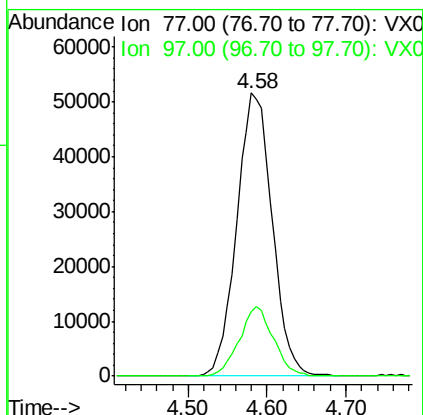
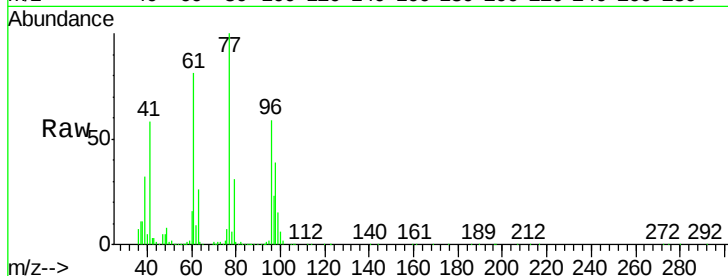
97 23.7 19.8 29.8

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 21.104 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX007434.D

Acq: 08 Feb 2019 11:09

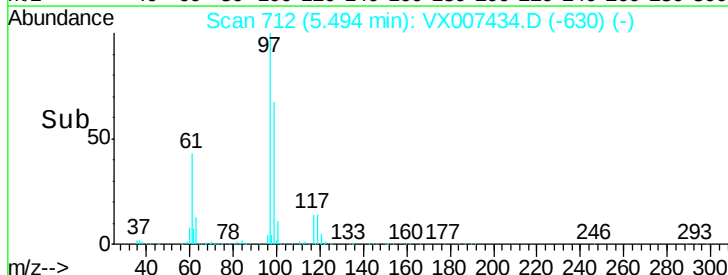
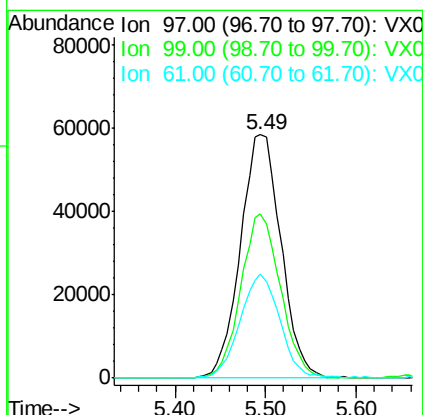
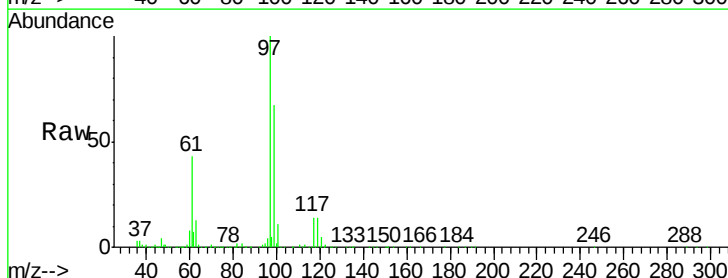
Tgt Ion: 97 Resp: 181344

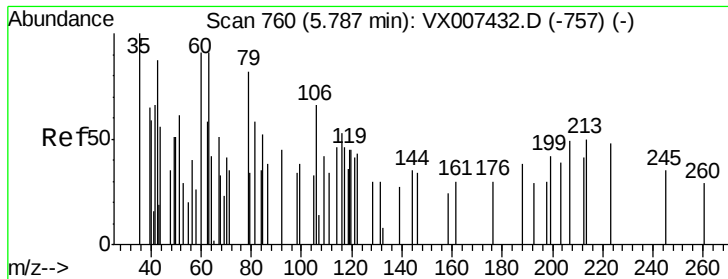
Ion Ratio Lower Upper

97 100

99 65.9 51.9 77.9

61 41.7 33.6 50.4





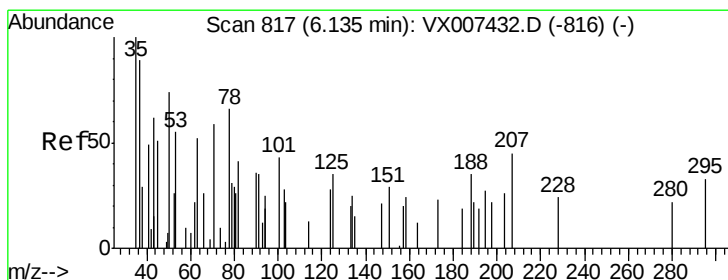
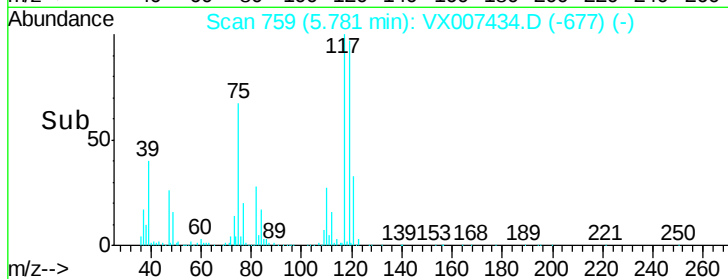
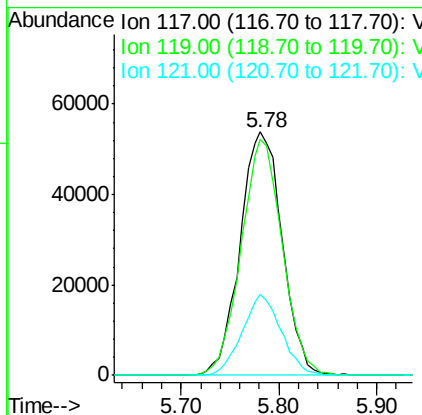
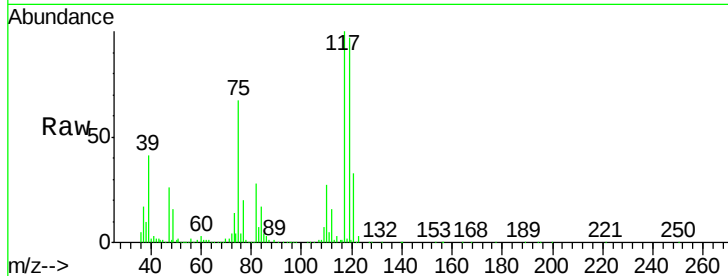
#33
Carbon Tetrachloride
Concen: 21.170 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX007434.D
Acq: 08 Feb 2019 11:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.0	73.5	110.3
121	33.0	24.6	37.0

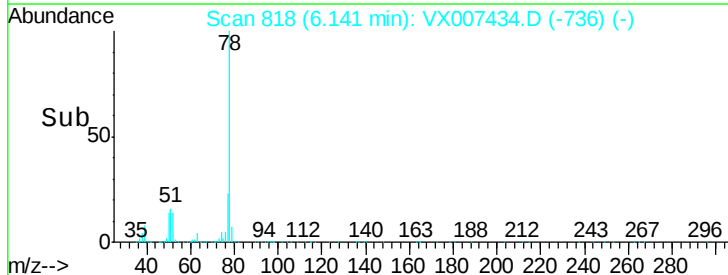
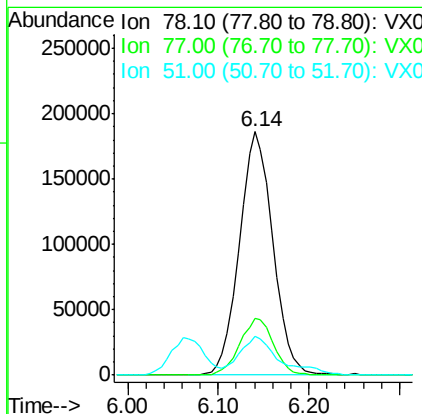
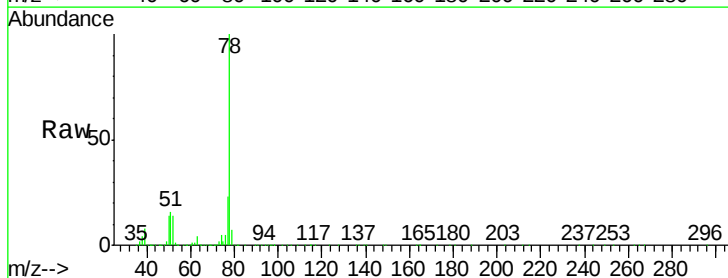
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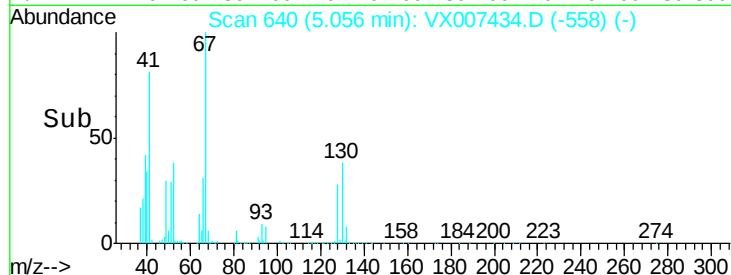
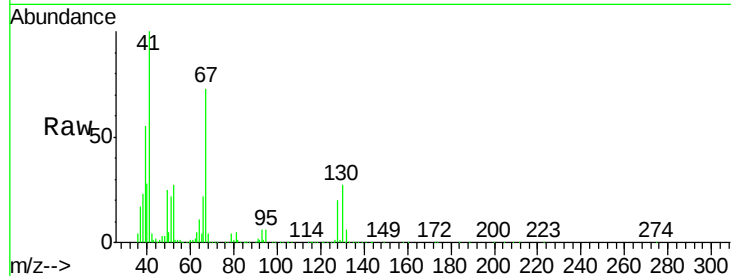
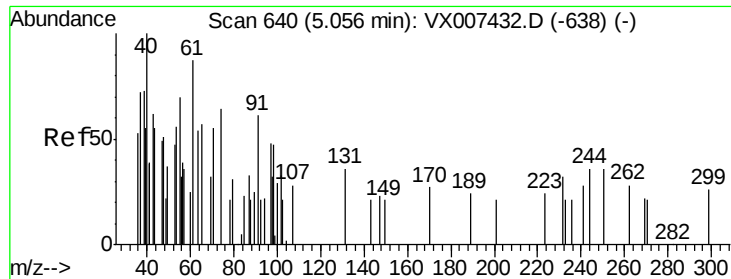
MMDadoda
2/11/2019 9:37:16 AM



#34
Benzene
Concen: 21.222 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX007434.D
Acq: 08 Feb 2019 11:09

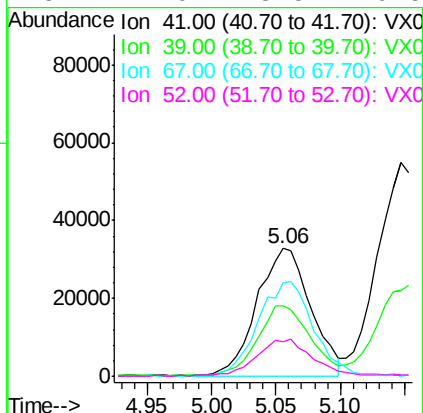
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.1	28.7
51	15.2	12.4	18.6





#35
Methacrylonitrile
Concen: 21.454 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.00 min
Lab File: VX007434.D
Acq: 08 Feb 2019 11:09

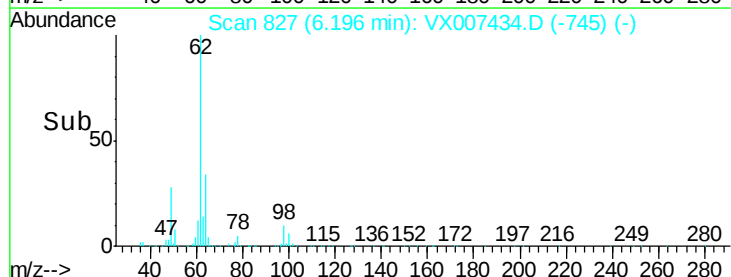
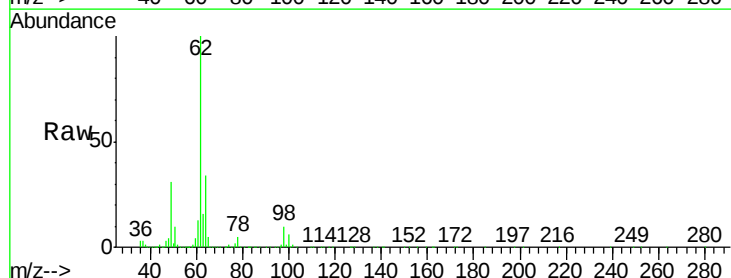
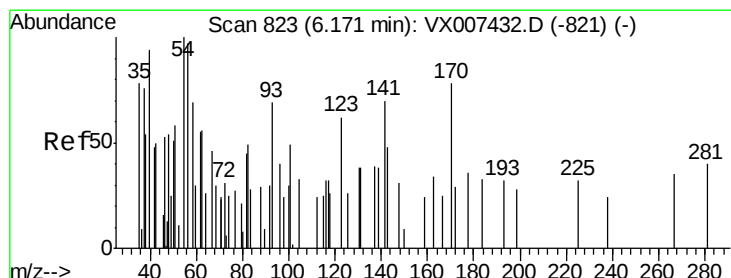
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.8	27.5	82.4	
67	72.3	34.8	104.3	
52	27.0	13.5	40.5	



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

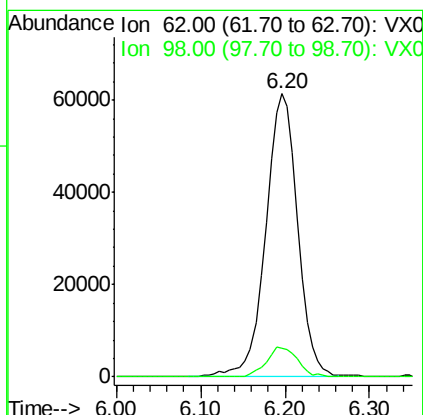
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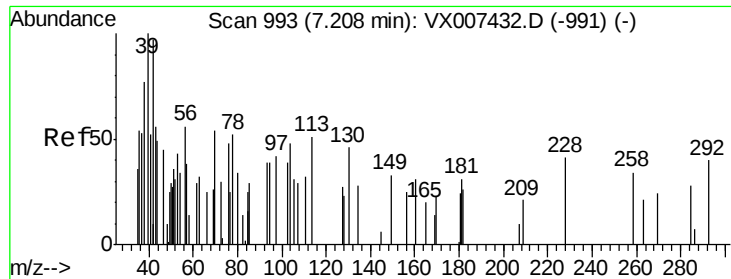
MMDadoda
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#36
1,2-Dichloroethane
Concen: 20.784 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX007434.D
Acq: 08 Feb 2019 11:09

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	8.1	12.1	





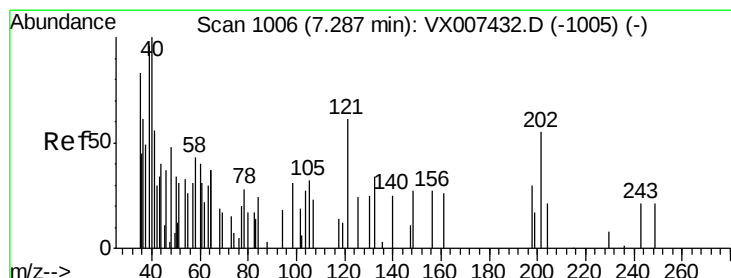
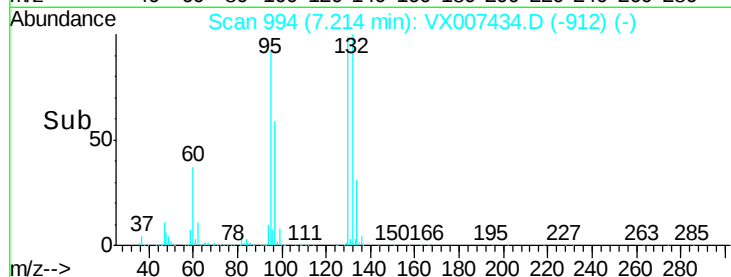
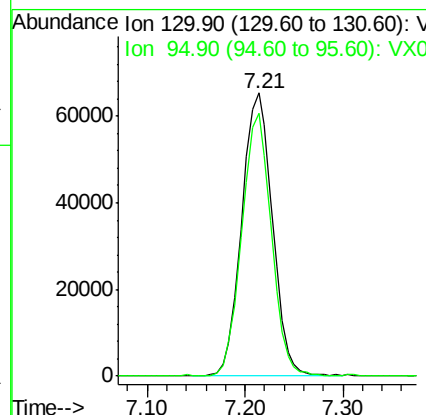
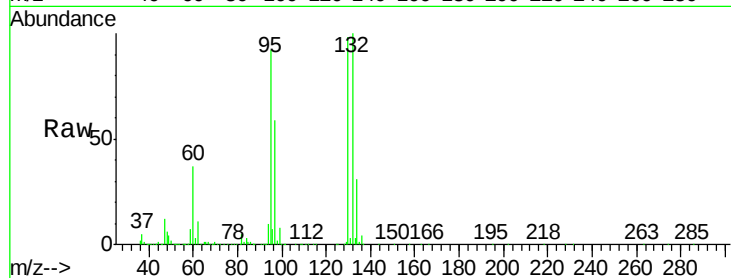
#37
 Trichloroethene
 Concen: 21.578 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX007434.D
 Acq: 08 Feb 2019 11:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion:130 Resp: 142692
 Ion Ratio Lower Upper
 130 100
 95 93.1 73.7 110.5

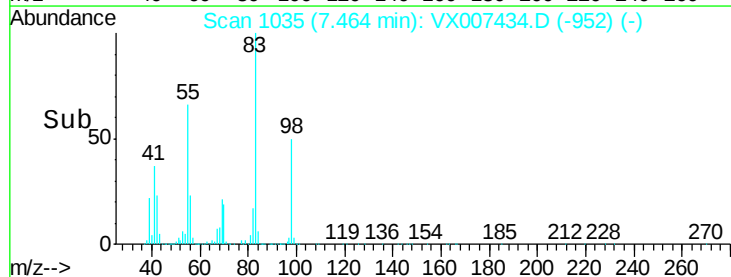
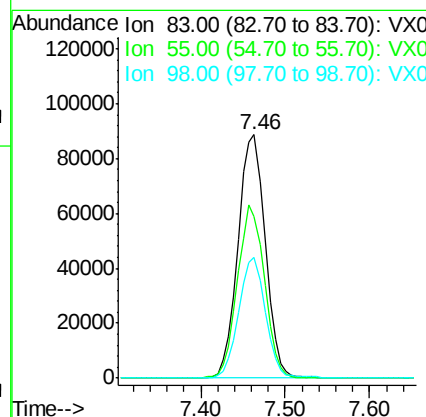
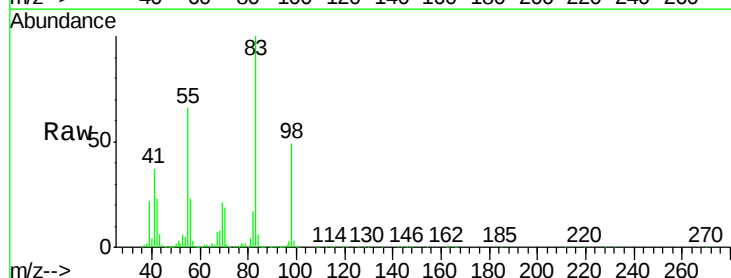
Manual Integrations
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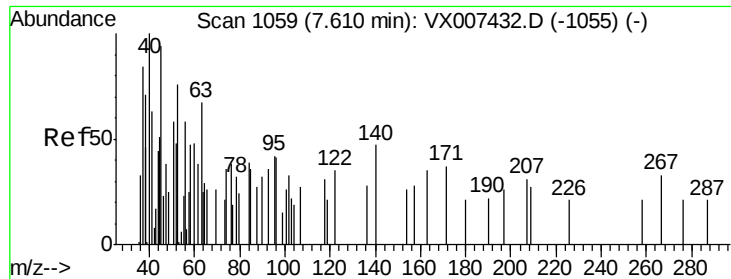
MMDadoda
 2/11/2019 9:37:16 AM



#38
 Methylcyclohexane
 Concen: 21.029 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. 0.01 min
 Lab File: VX007434.D
 Acq: 08 Feb 2019 11:09

Tgt Ion: 83 Resp: 193776
 Ion Ratio Lower Upper
 83 100
 55 69.9 36.6 109.8
 98 48.4 24.1 72.4





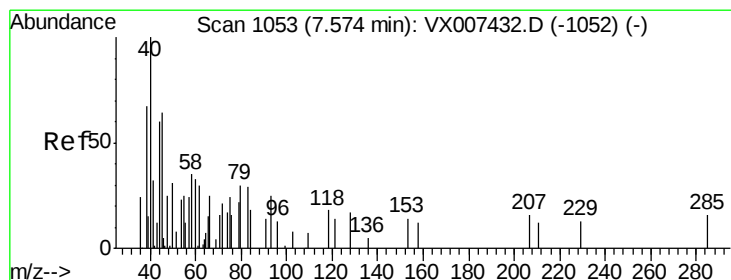
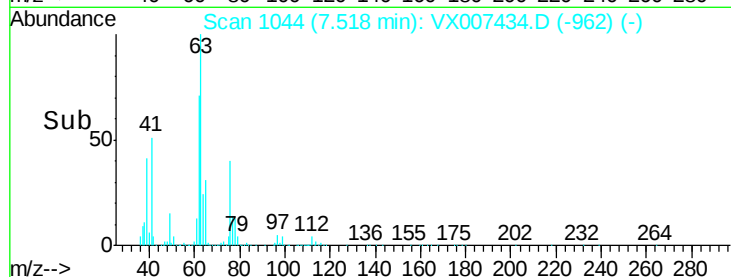
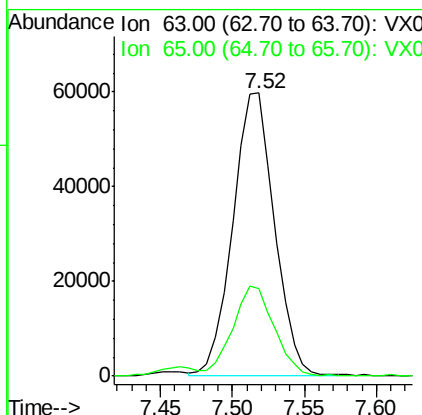
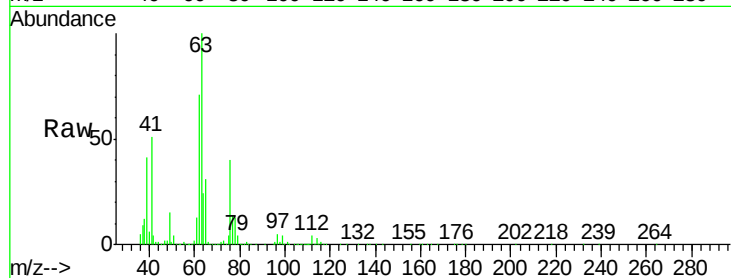
#39
 1,2-Dichloropropane
 Concen: 21.315 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX007434.D
 Acq: 08 Feb 2019 11:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion: 63 Resp: 119884
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.7 37.1

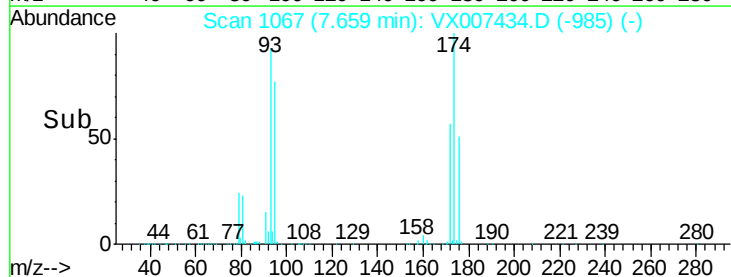
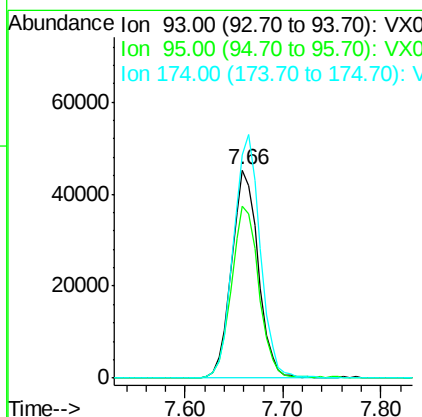
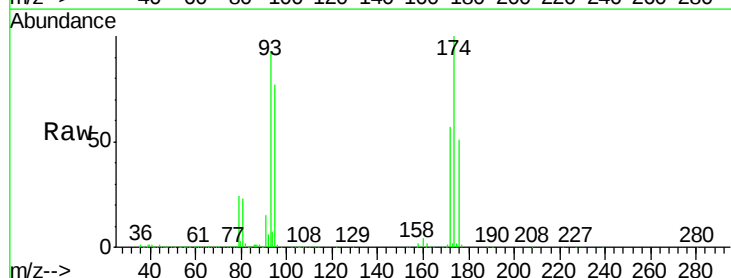
Manual Integrations
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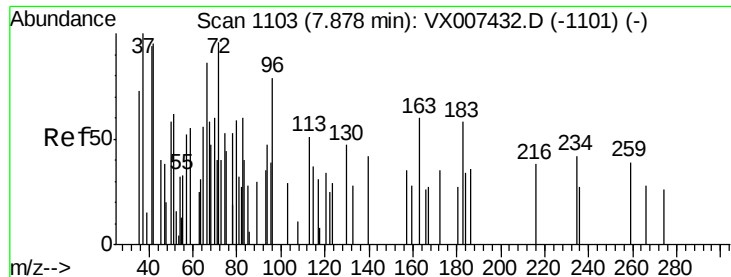
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 2/11/2019 9:37:16 AM



#40
 Dibromomethane
 Concen: 21.176 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX007434.D
 Acq: 08 Feb 2019 11:09

Tgt Ion: 93 Resp: 85794
 Ion Ratio Lower Upper
 93 100
 95 83.8 0.0 172.4
 174 116.7 0.0 233.0





#41

Bromodichloromethane

Concen: 21.122 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007434.D

Acq: 08 Feb 2019 11:09

Instrument :

MSVOA_X

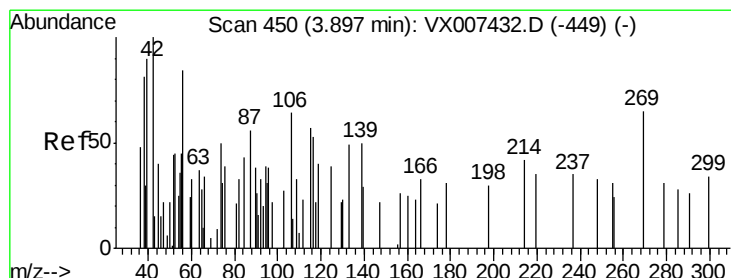
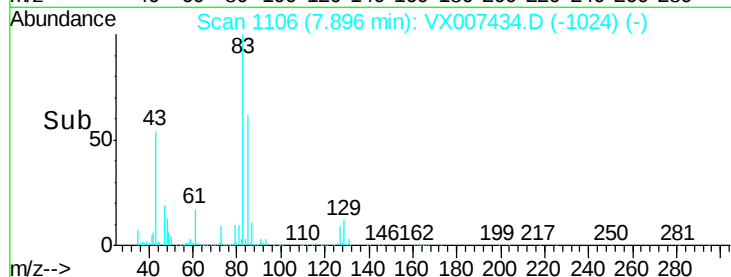
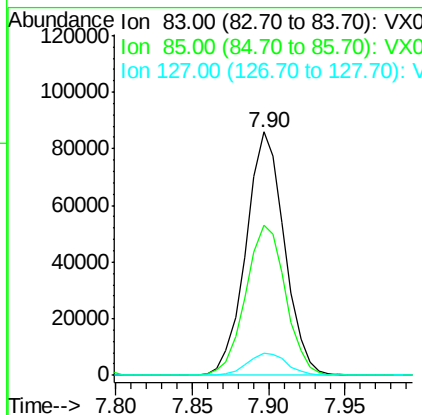
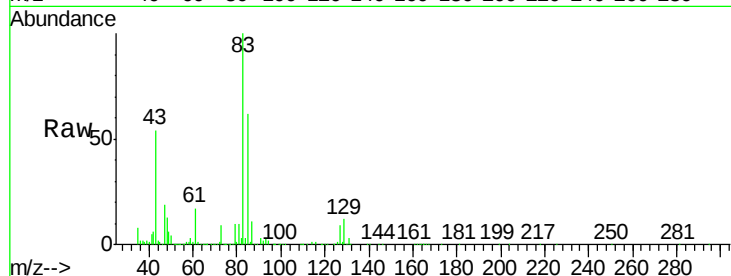
ClientSampleId :

VSTDCCC020

Tot Ion:	83	Resp:	150186
Ion Ratio	Lower	Upper	
83	100		
85	61.3	48.2	72.2
127	9.3	8.3	12.5

Manual Integrations
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#42

Vinyl Acetate

Concen: 102.930 ug/l

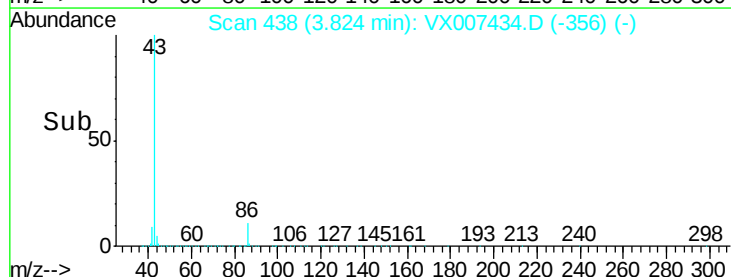
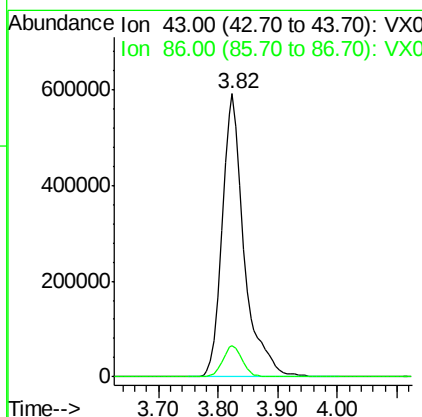
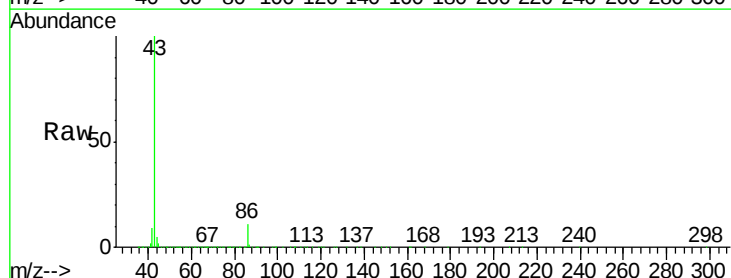
RT: 3.82 min Scan# 438

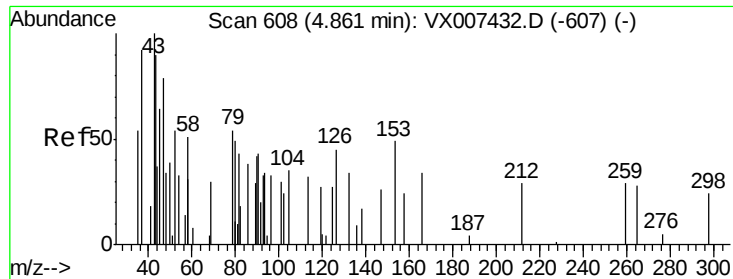
Delta R.T. -0.00 min

Lab File: VX007434.D

Acq: 08 Feb 2019 11:09

Tgt Ion:	43	Resp:	1516175
Ion Ratio	Lower	Upper	
43	100		
86	9.8	8.0	12.0





#43

Ethyl Acetate

Concen: 20.655 ug/l

RT: 4.85 min Scan# 607

Delta R.T. -0.00 min

Lab File: VX007434.D

Acq: 08 Feb 2019 11:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 43 Resp: 167444

Ion Ratio Lower Upper

43 100

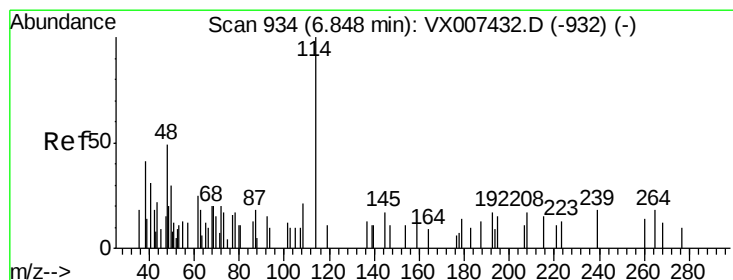
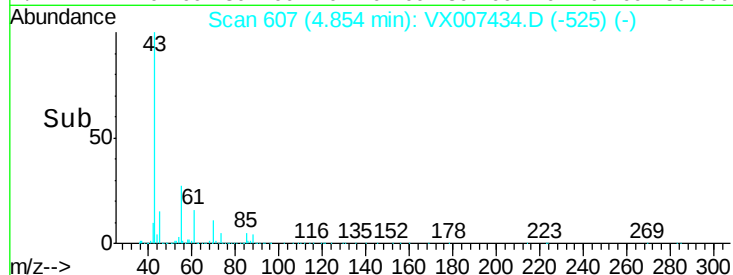
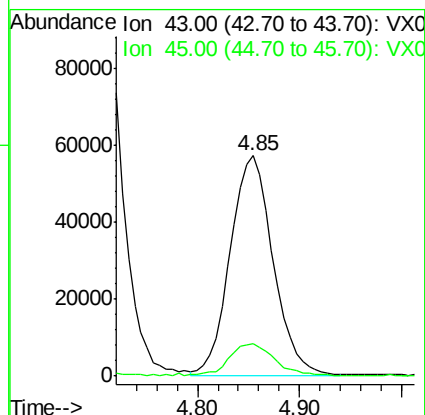
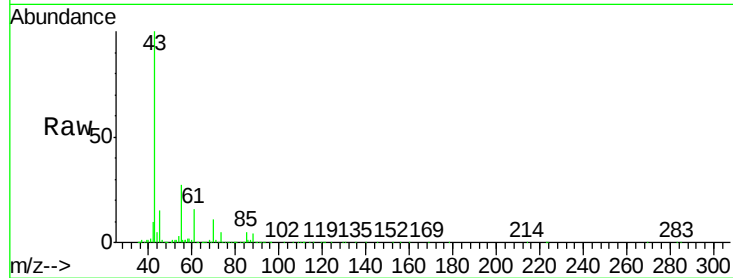
45 15.5 11.7 17.5

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#44

Isopropyl Acetate

Concen: 21.051 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX007434.D

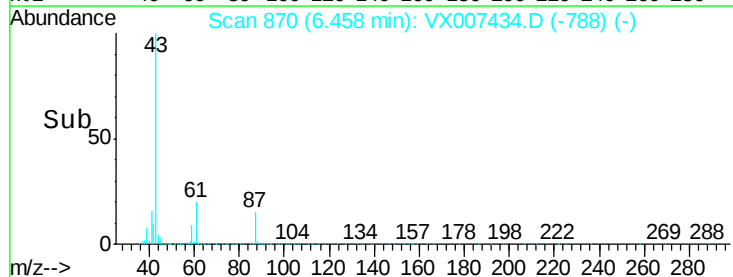
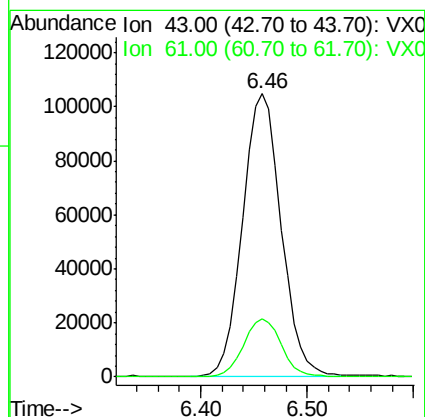
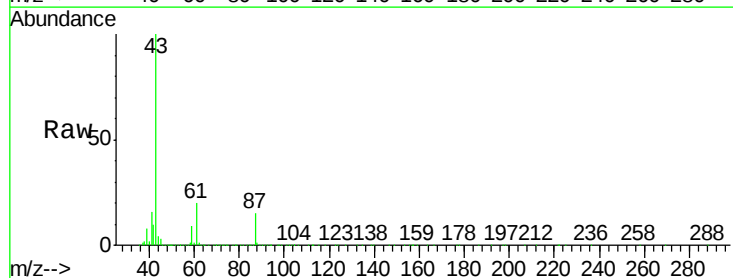
Acq: 08 Feb 2019 11:09

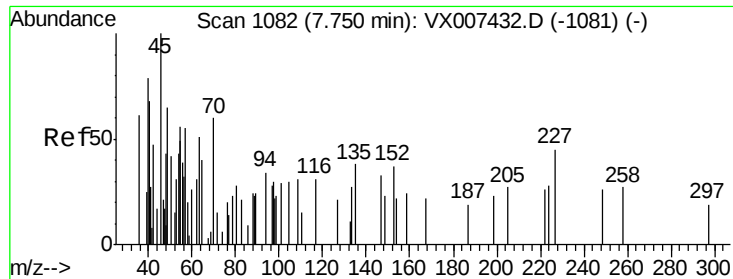
Tgt Ion: 43 Resp: 266534

Ion Ratio Lower Upper

43 100

61 20.0 16.8 25.2





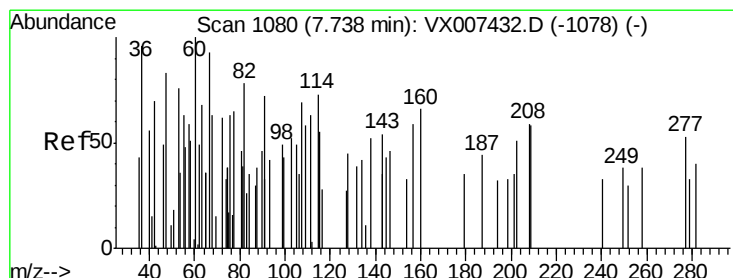
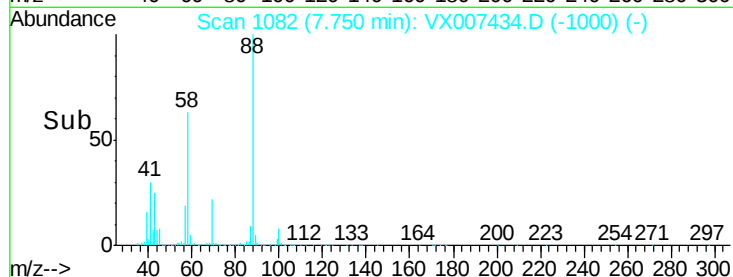
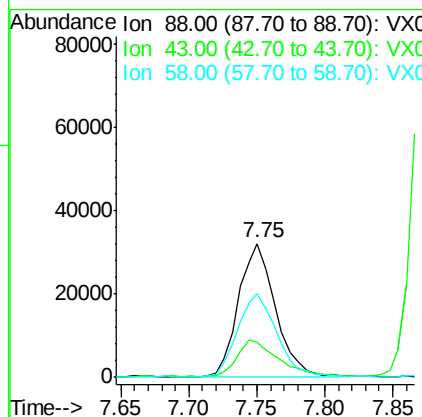
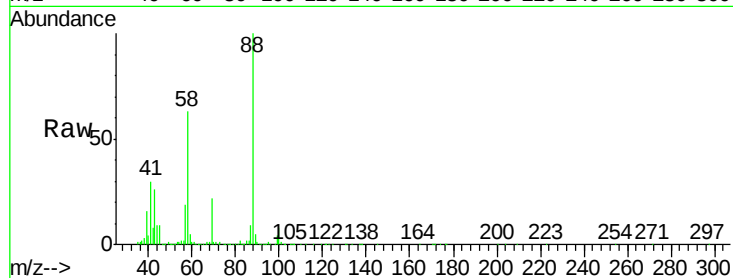
#45
 1,4-Dioxane
 Concen: 400.664 ug/l
 RT: 7.75 min Scan# 1082
 Delta R.T. -0.00 min
 Lab File: VX007434.D
 Acq: 08 Feb 2019 11:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	88	Resp	61473
Ion	Ratio	Lower	Upper
88	100		
43	29.8	23.5	35.3
58	65.8	51.6	77.4

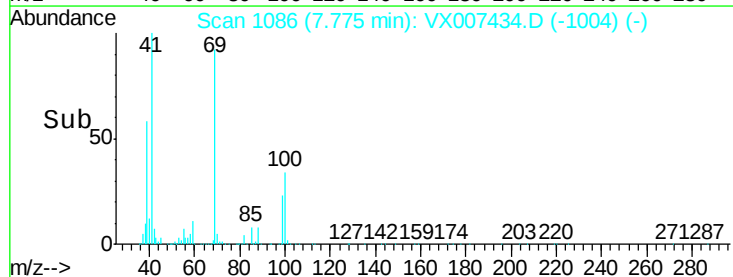
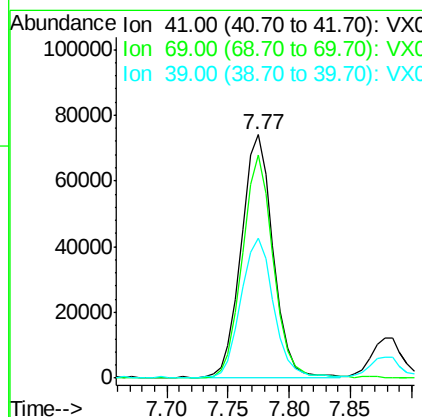
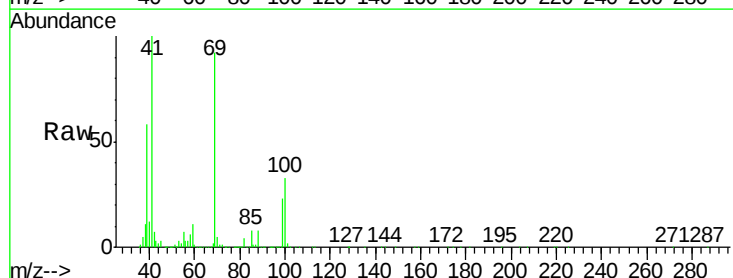
Manual Integrations
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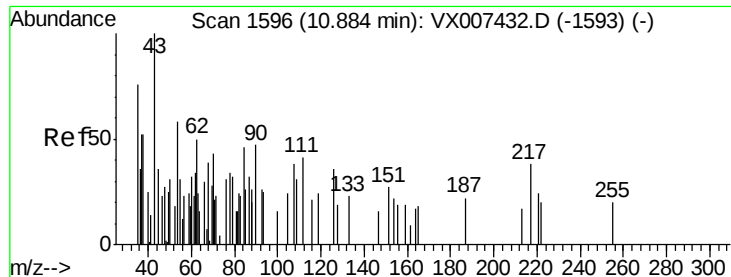
MMDadoda
 2/11/2019 9:37:16 AM



#46
 Methyl methacrylate
 Concen: 20.573 ug/l
 RT: 7.77 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX007434.D
 Acq: 08 Feb 2019 11:09

Tgt Ion	41	Resp	133184
Ion	Ratio	Lower	Upper
41	100		
69	91.8	43.0	129.2
39	57.4	29.4	88.2





#47

n-amvl Acetate

Concen: 20.730 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007434.D

Acq: 08 Feb 2019 11:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 43 Resp: 230782

Ion Ratio Lower Upper

43 100

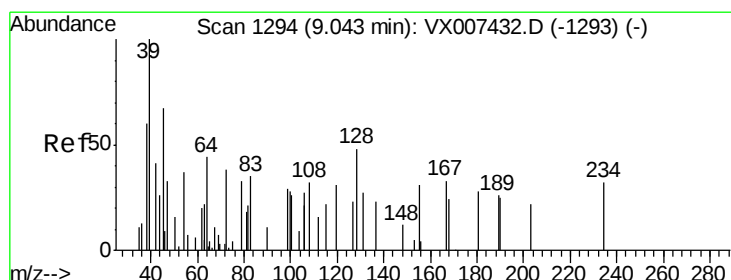
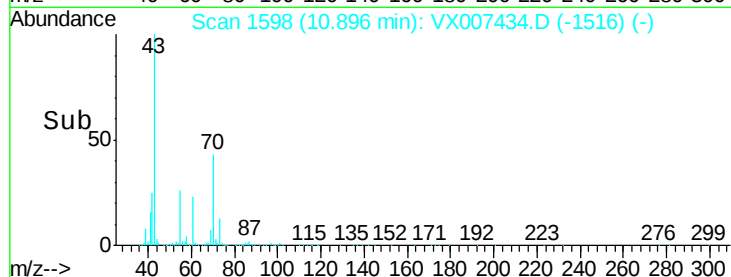
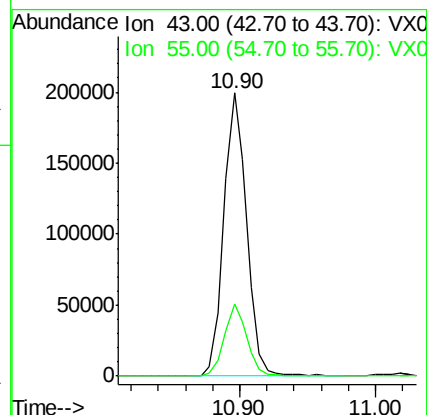
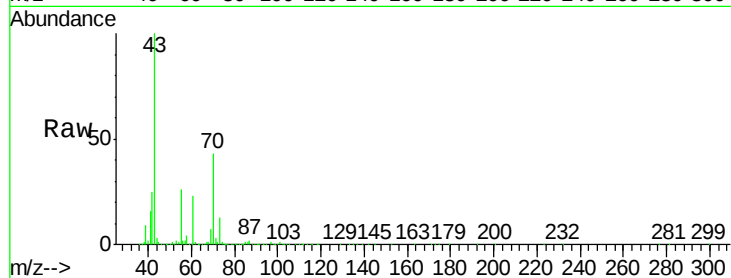
55 25.5 19.9 29.9

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 21.286 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX007434.D

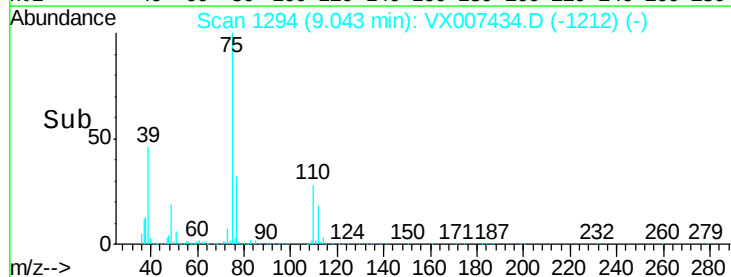
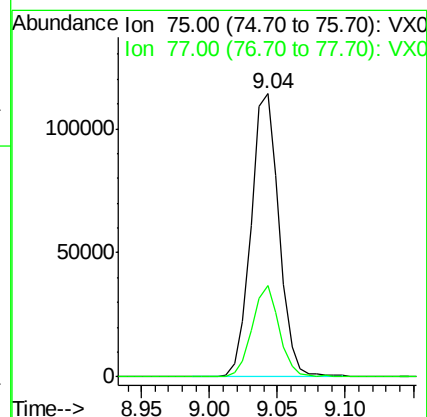
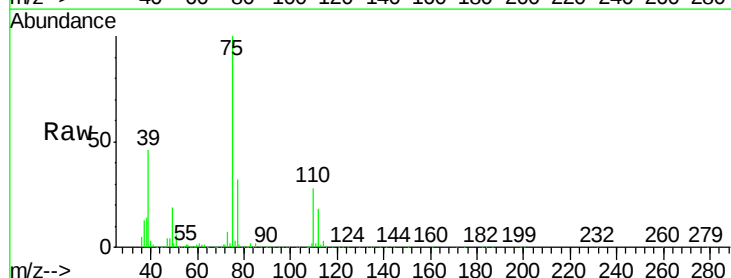
Acq: 08 Feb 2019 11:09

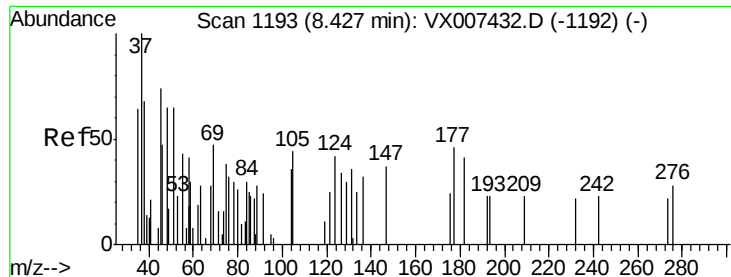
Tgt Ion: 75 Resp: 165078

Ion Ratio Lower Upper

75 100

77 32.4 26.7 40.1





#49

cis-1,3-Dichloropropene

Concen: 21.115 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX007434.D

Acq: 08 Feb 2019 11:09

Instrument :

MSVOA_X

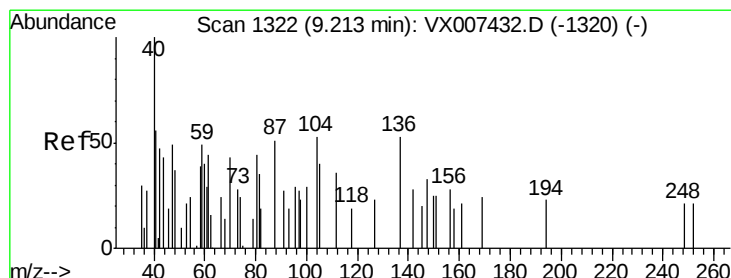
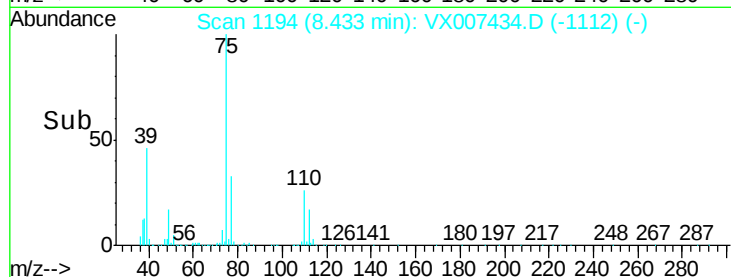
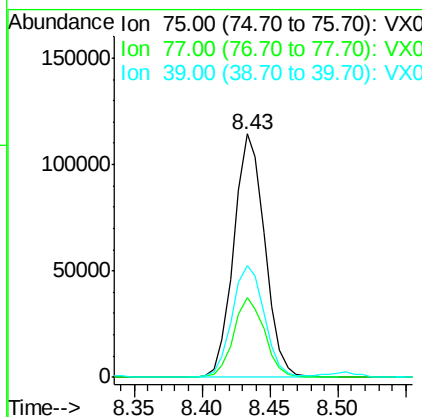
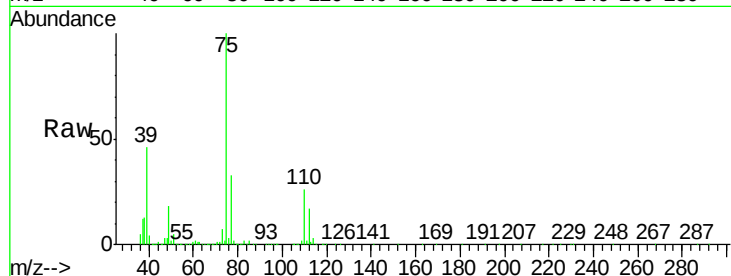
ClientSampleId :

VSTDCCC020

Tot Ion:	75	Resp:	181912
Ion Ratio	Lower	Upper	
75	100		
77	32.7	26.2	39.4
39	45.7	37.2	55.8

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#50

1,1,2-Trichloroethane

Concen: 21.304 ug/l

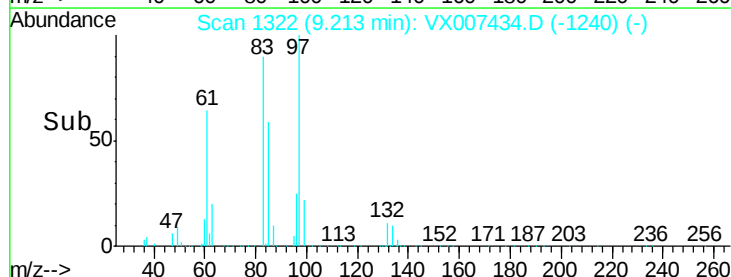
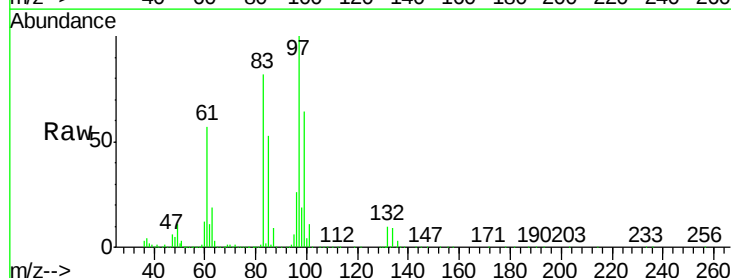
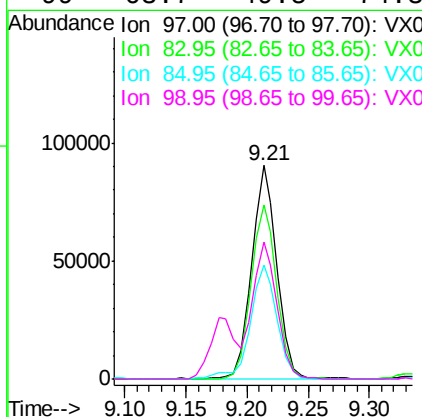
RT: 9.21 min Scan# 1322

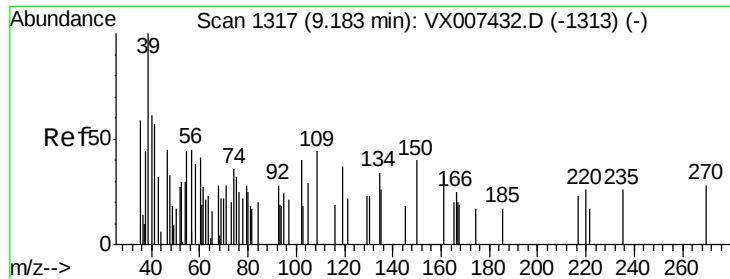
Delta R.T. -0.00 min

Lab File: VX007434.D

Acq: 08 Feb 2019 11:09

Tgt Ion:	97	Resp:	129546
Ion Ratio	Lower	Upper	
97	100		
83	81.6	62.5	93.7
85	53.0	41.8	62.6
99	63.7	49.5	74.3





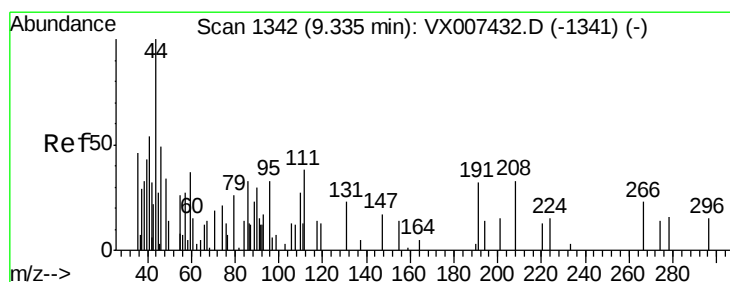
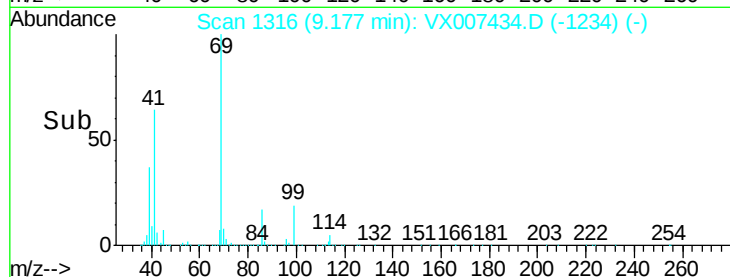
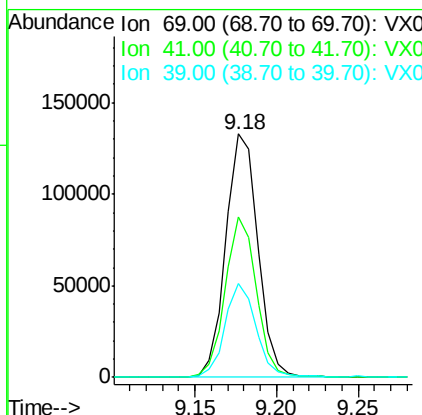
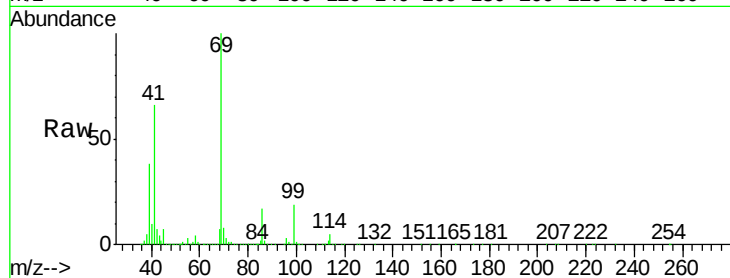
#51
Ethyl methacrylate
Concen: 20.876 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VX007434.D
Acq: 08 Feb 2019 11:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
69	100	181382		
41	65.9	34.2	102.6	
39	38.2	20.3	60.8	

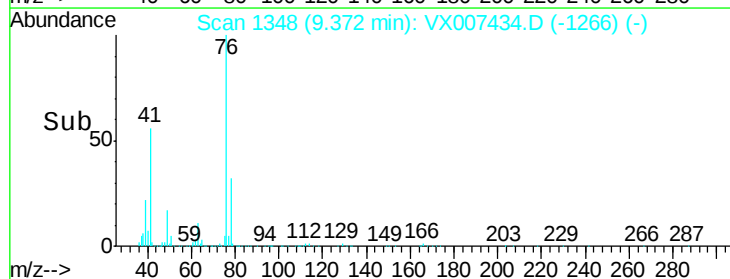
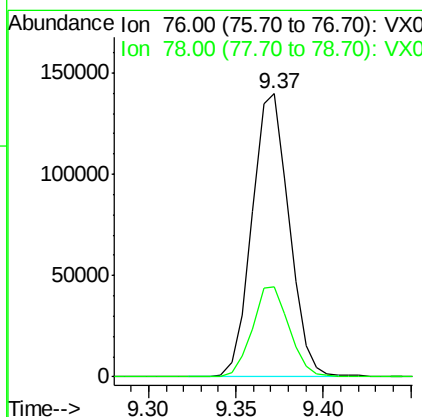
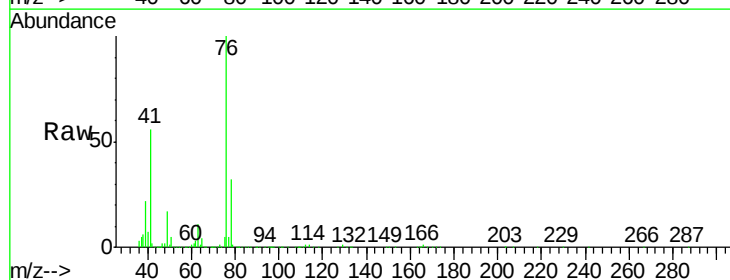
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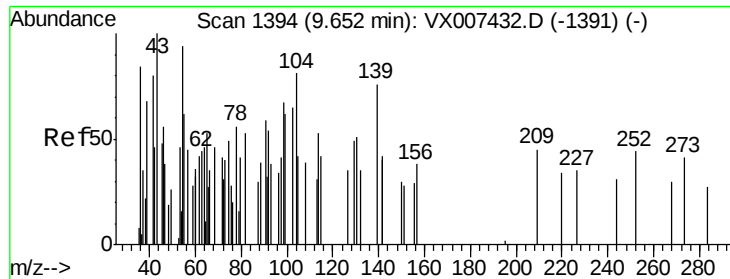
MMDadoda
2/11/2019 9:37:16 AM



#52
1,3-Dichloropropane
Concen: 21.160 ug/l
RT: 9.37 min Scan# 1348
Delta R.T. -0.00 min
Lab File: VX007434.D
Acq: 08 Feb 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
76	100	206027		
78	31.8	0.0	66.2	





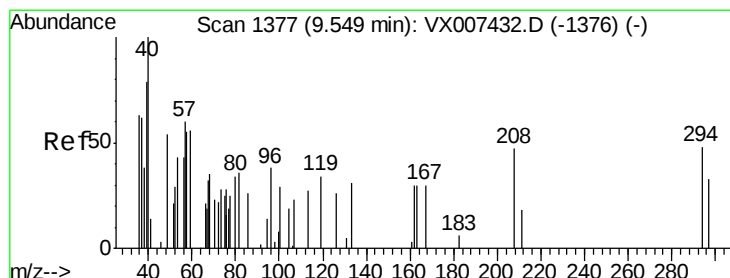
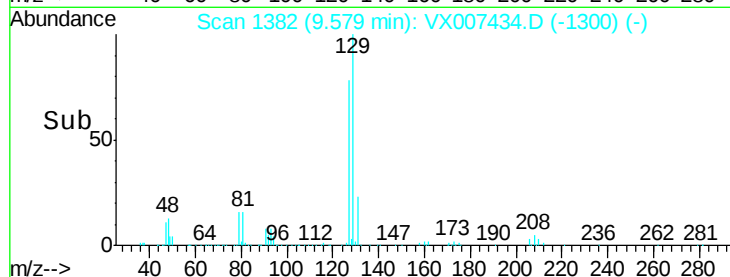
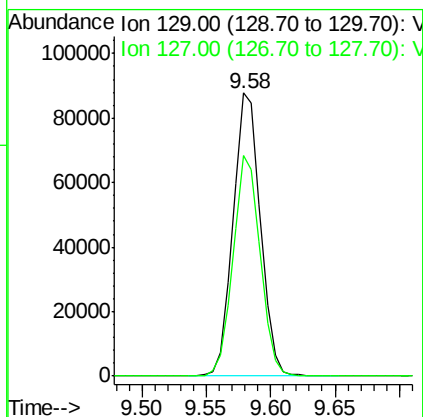
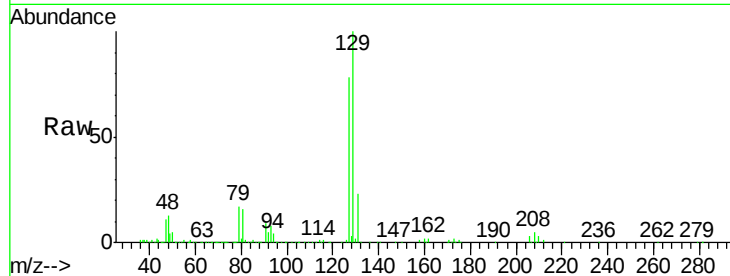
#53
 Dibromochloromethane
 Concen: 21.164 ug/l
 RT: 9.58 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VX007434.D
 Acq: 08 Feb 2019 11:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion:129 Resp: 130076
 Ion Ratio Lower Upper
 129 100
 127 77.0 37.7 113.1

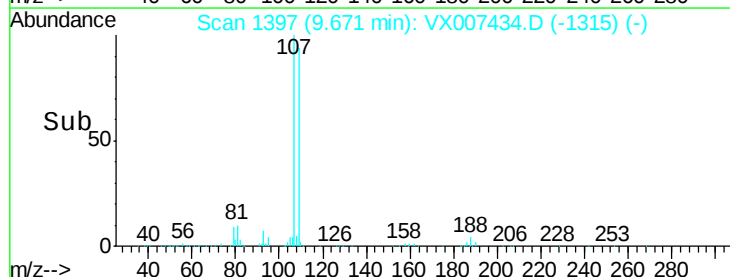
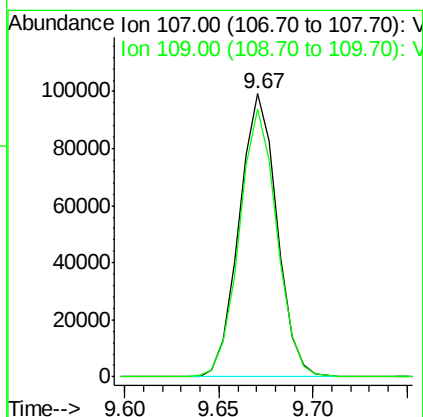
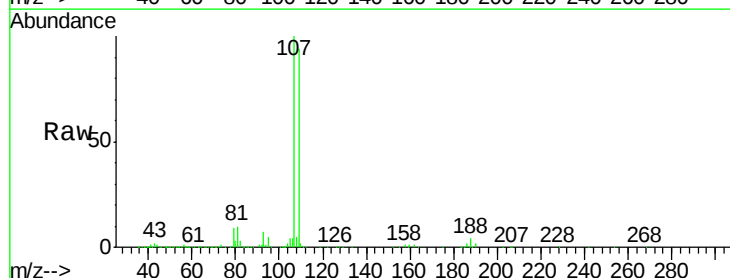
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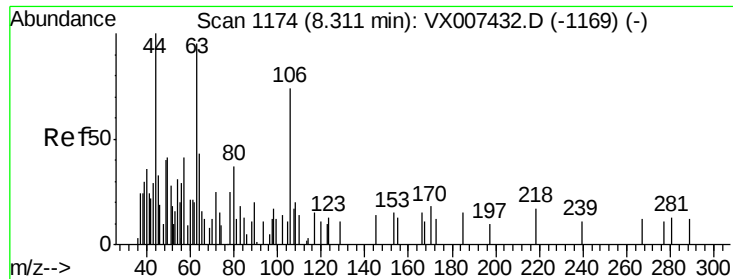
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#54
 1,2-Dibromoethane
 Concen: 21.057 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX007434.D
 Acq: 08 Feb 2019 11:09

Tgt Ion:107 Resp: 137842
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.5 113.3





#55

2-Chloroethyl vinyl ether

Concen: 130.354 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX007434.D

Acq: 08 Feb 2019 11:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 63 Resp: 623068

Ion Ratio Lower Upper

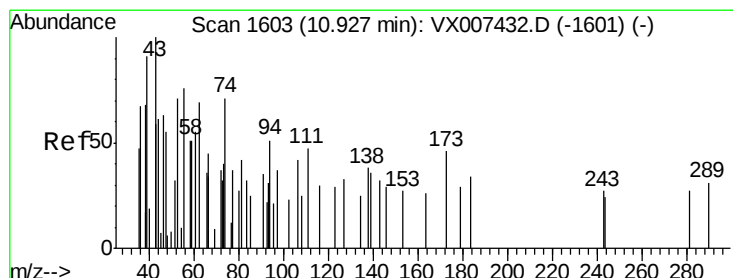
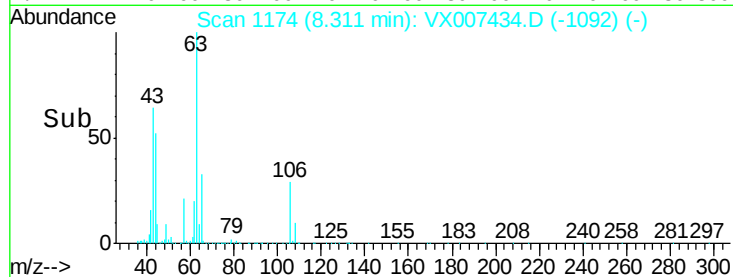
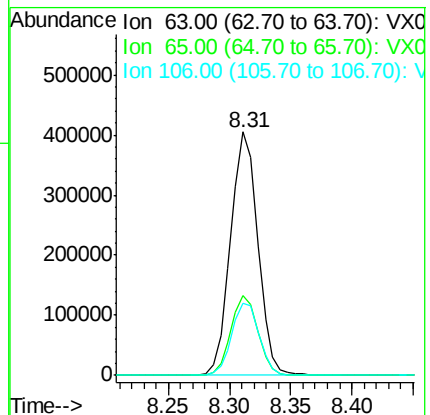
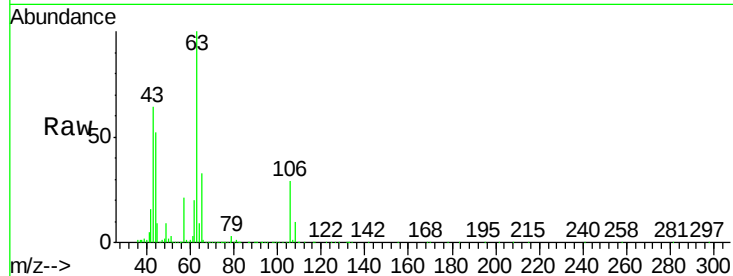
63 100

65 32.4 25.9 38.9

106 30.1 23.8 35.8

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#56

Bromoform

Concen: 20.463 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX007434.D

Acq: 08 Feb 2019 11:09

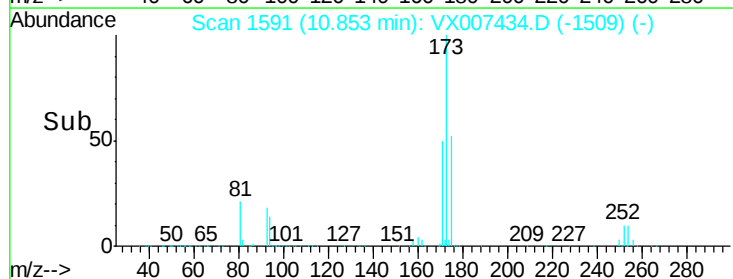
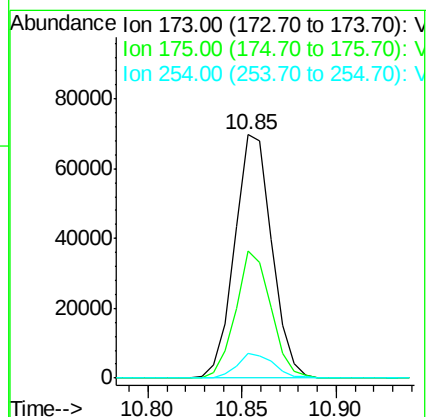
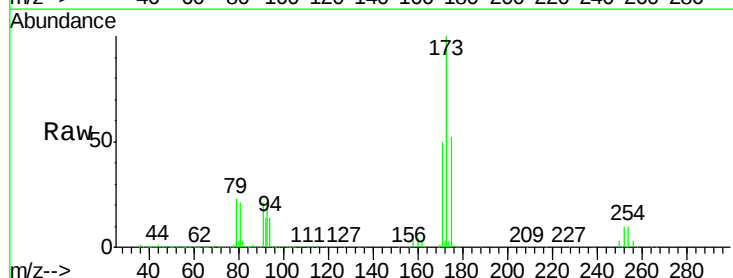
Tgt Ion: 173 Resp: 95496

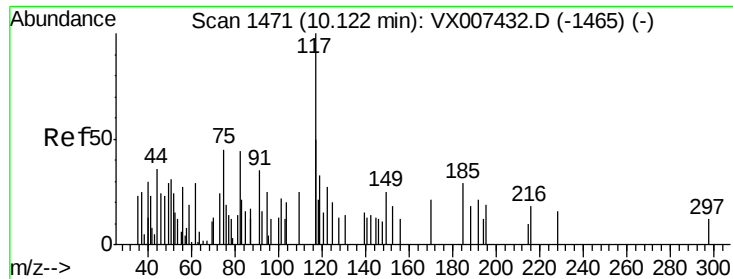
Ion Ratio Lower Upper

173 100

175 49.6 38.9 58.3

254 9.8 8.5 12.7





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX007434.D

Acq: 08 Feb 2019 11:09

Instrument :

MSVOA_X

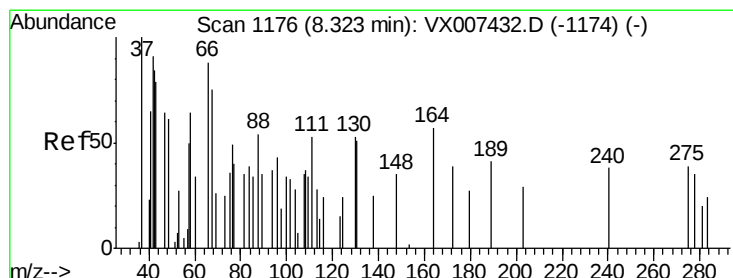
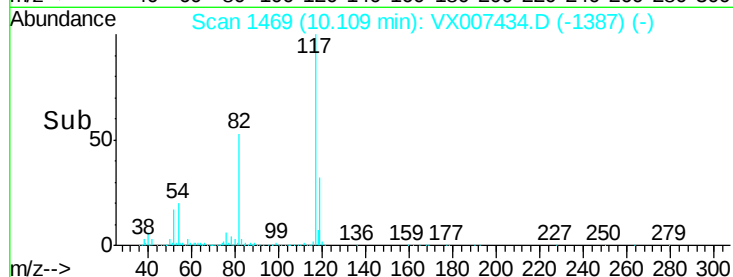
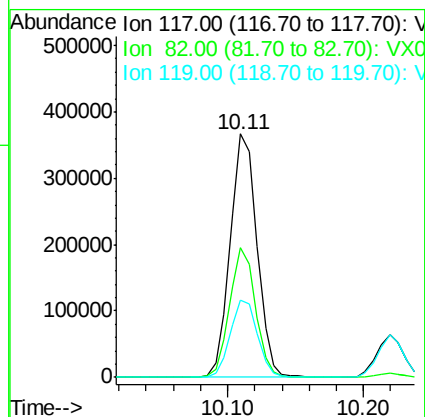
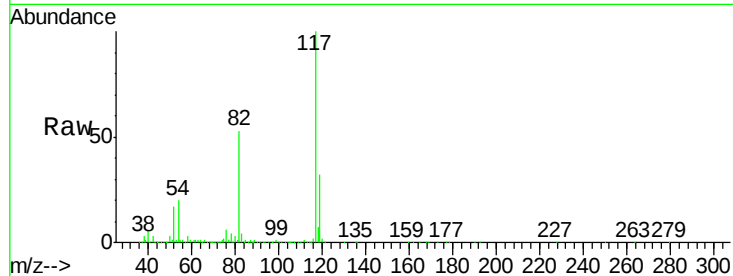
ClientSampled :

VSTDCCC020

Tot Ion:	117	Resp:	504281
Ion Ratio	Lower	Upper	
117	100		
82	50.9	41.4	62.0
119	32.2	25.7	38.5

Manual Integrations
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#58

4-Methyl-2-Pentanone

Concen: 106.452 ug/l

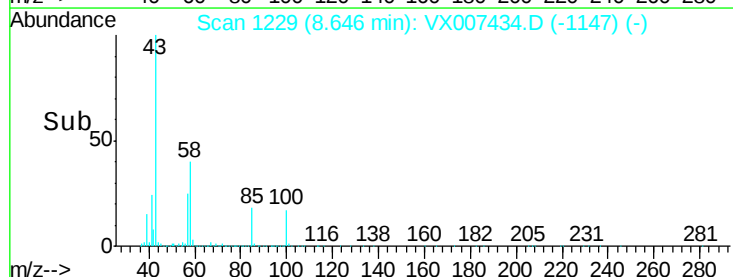
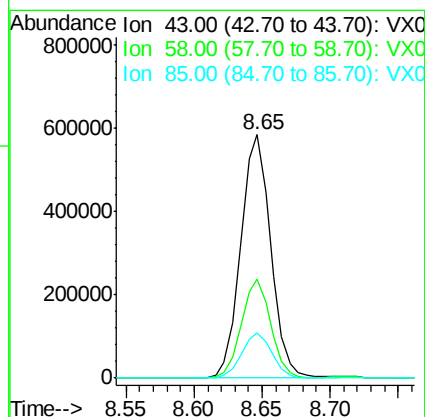
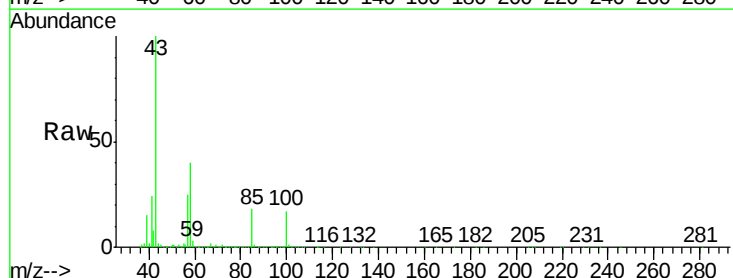
RT: 8.65 min Scan# 1229

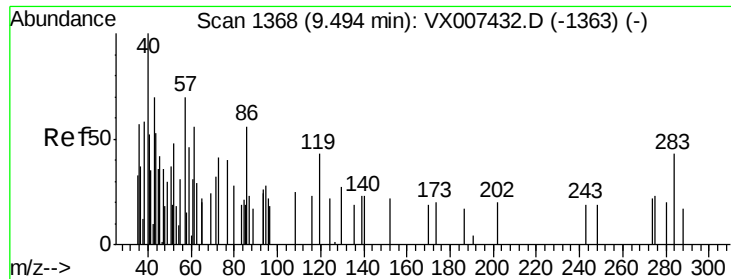
Delta R.T. -0.00 min

Lab File: VX007434.D

Acq: 08 Feb 2019 11:09

Tgt Ion:	43	Resp:	897651
Ion Ratio	Lower	Upper	
43	100		
58	39.6	31.6	47.4
85	18.7	14.9	22.3





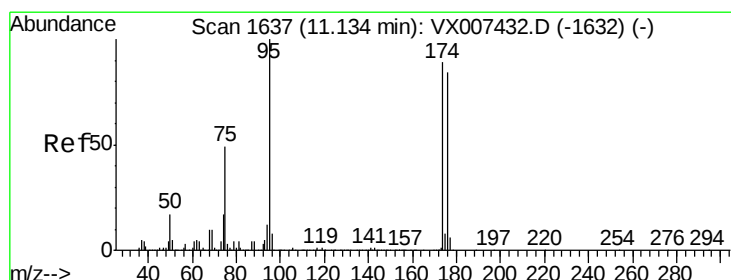
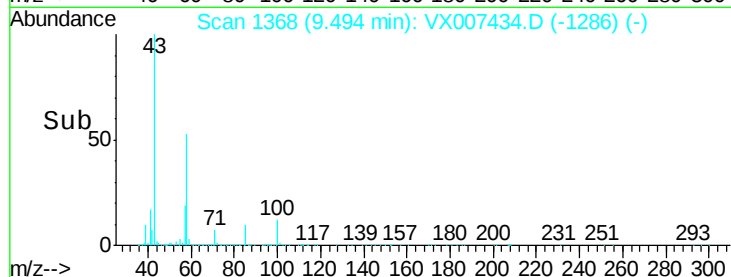
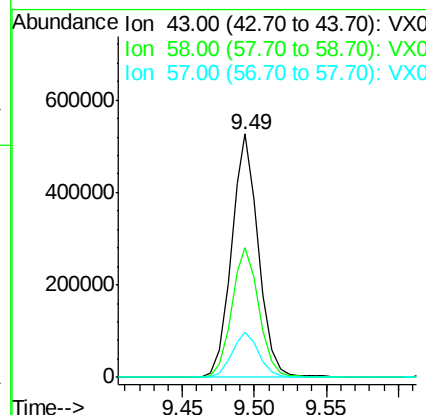
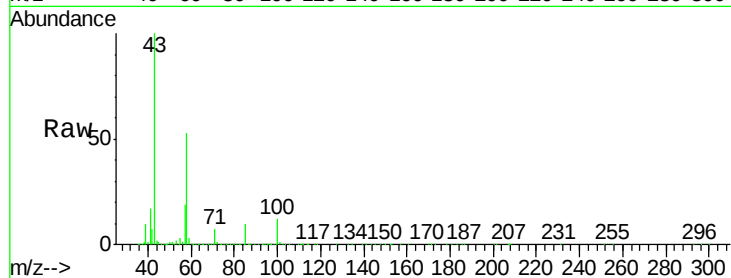
#59
2-Hexanone
Concen: 105.269 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007434.D
Acq: 08 Feb 2019 11:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.3	42.8	64.2
57	18.8	14.8	22.2

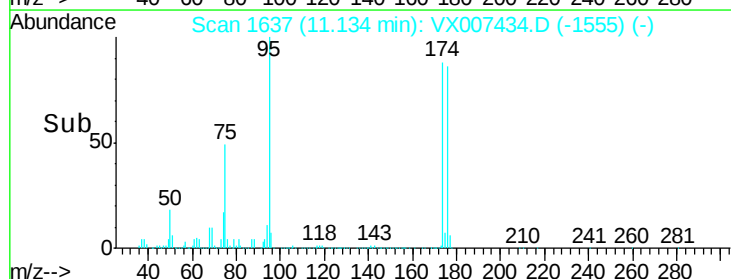
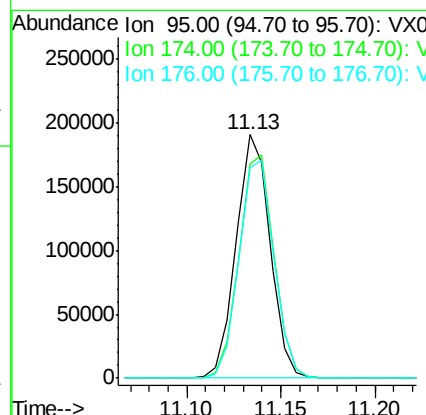
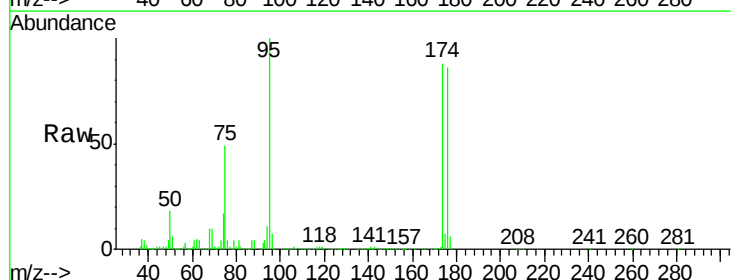
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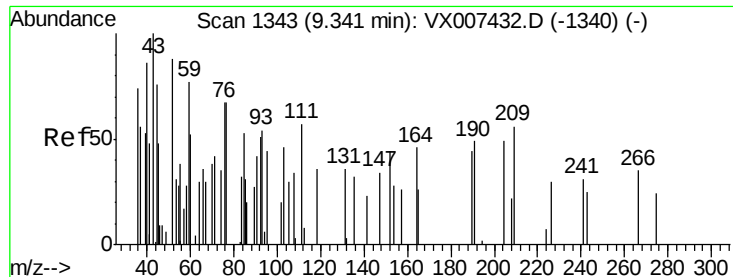
MMDadoda
2/11/2019 9:37:16 AM



#60
4-Bromofluorobenzene
Concen: 30.744 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007434.D
Acq: 08 Feb 2019 11:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.4	74.8	112.2
176	91.7	72.5	108.7





#61

Tetrachloroethene

Concen: 21.357 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX007434.D

Acq: 08 Feb 2019 11:09

Instrument :

MSVOA_X

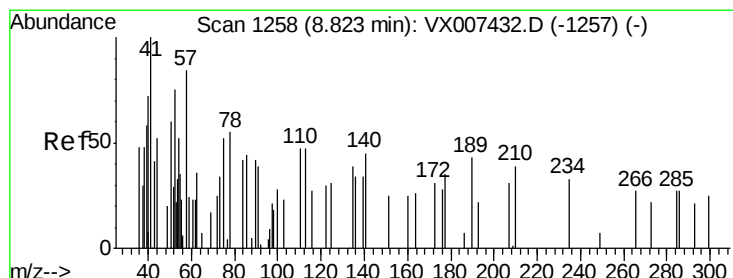
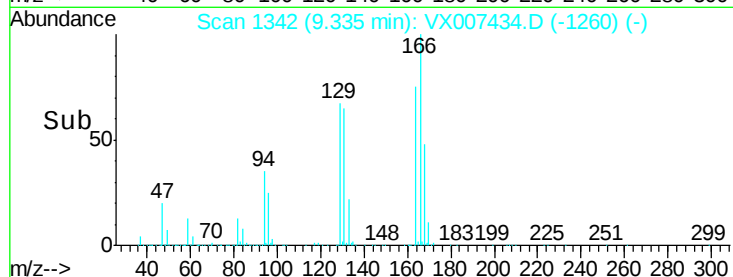
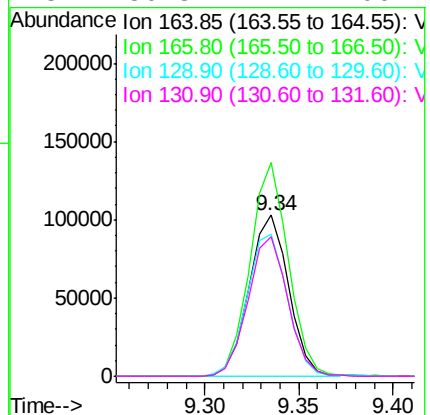
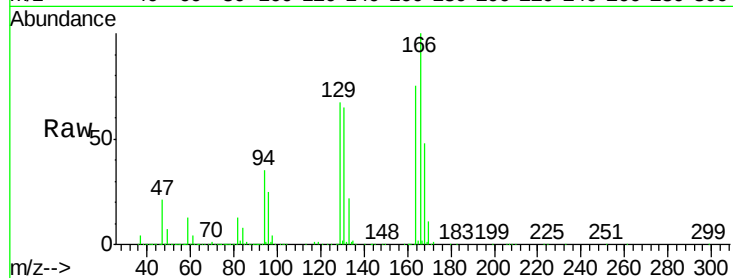
ClientSampleId :

VSTDCCC020

Tot Ion:	164	Resp:	150115
Ion Ratio	Lower	Upper	
164	100		
166	132.8	101.6	152.4
129	88.6	70.6	106.0
131	86.8	71.1	106.7

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#62

Toluene

Concen: 21.259 ug/l

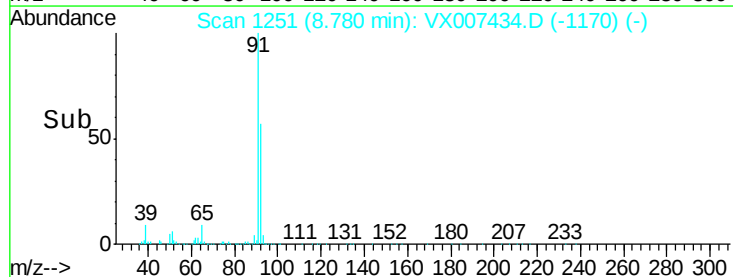
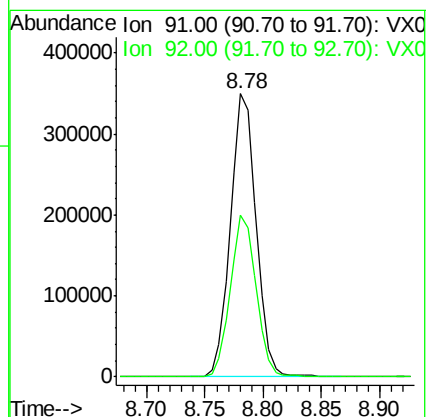
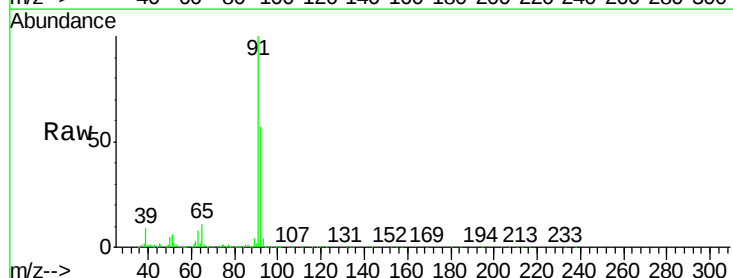
RT: 8.78 min Scan# 1251

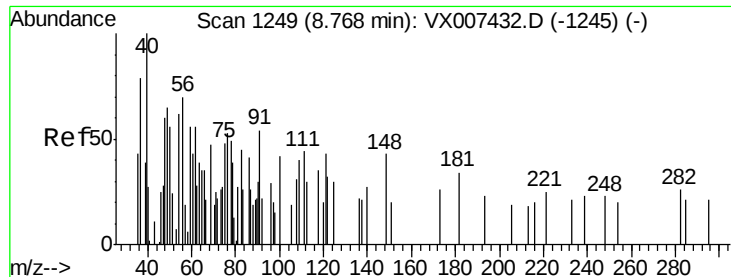
Delta R.T. -0.01 min

Lab File: VX007434.D

Acq: 08 Feb 2019 11:09

Tgt Ion:	91	Resp:	539626
Ion Ratio	Lower	Upper	
91	100		
92	57.0	46.0	69.0





#63

Toluene-d8

Concen: 29.689 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007434.D

Acq: 08 Feb 2019 11:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 98 Resp: 674831

Ion Ratio Lower Upper

98 100

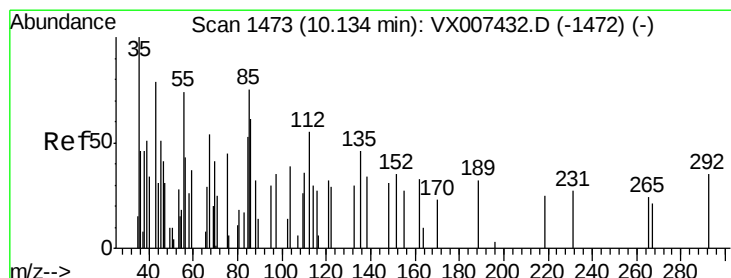
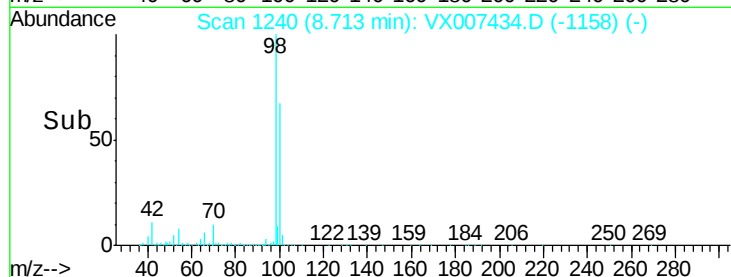
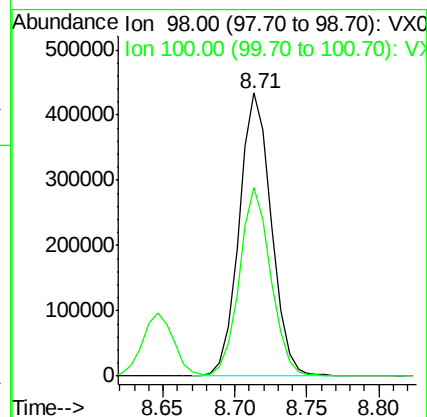
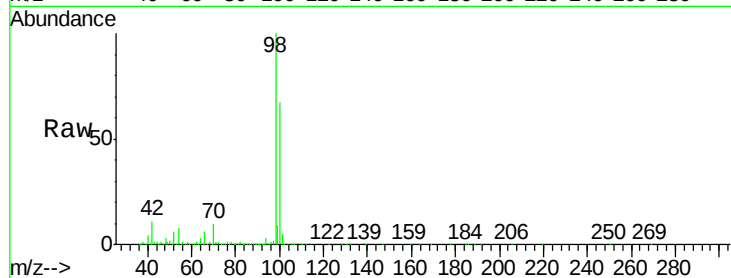
100 64.6 49.9 74.9

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#64

Chlorobenzene

Concen: 21.516 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX007434.D

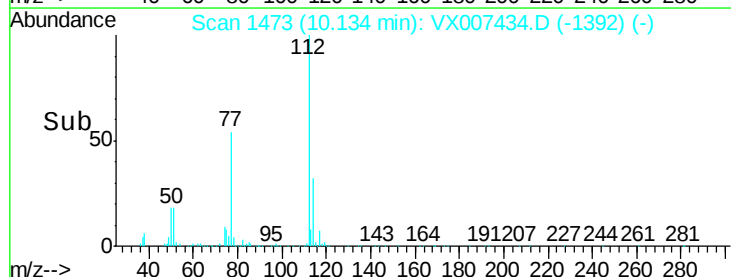
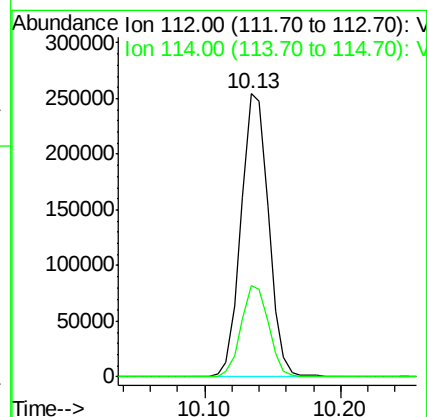
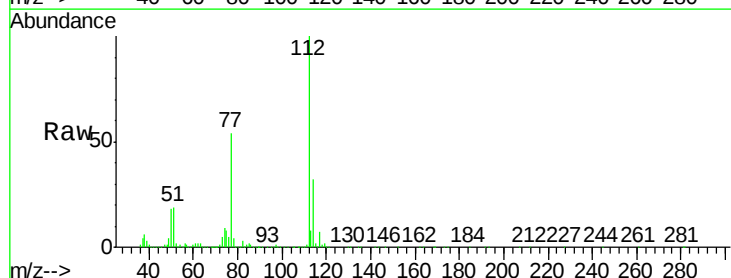
Acq: 08 Feb 2019 11:09

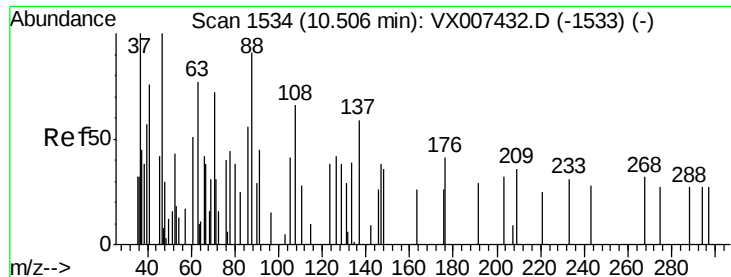
Tgt Ion: 112 Resp: 360285

Ion Ratio Lower Upper

112 100

114 32.3 25.4 38.0





#65

1,1,1,2-Tetrachloroethane

Concen: 21.720 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX007434.D

Acq: 08 Feb 2019 11:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:131 Resp: 128826

Ion Ratio Lower Upper

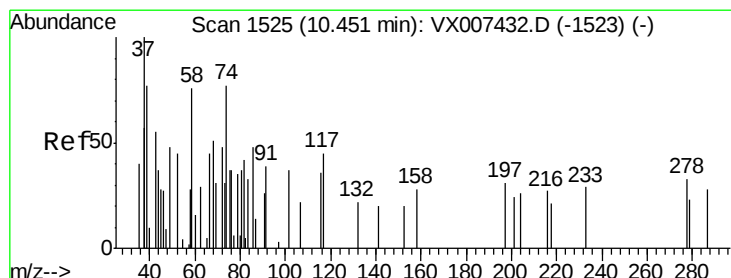
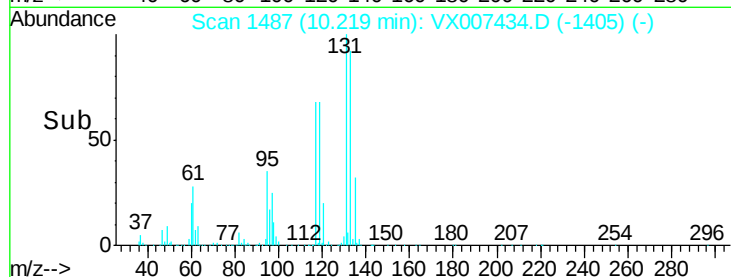
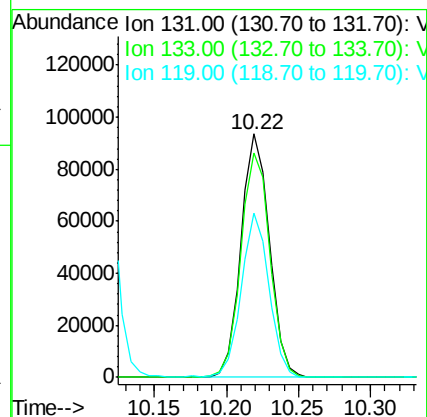
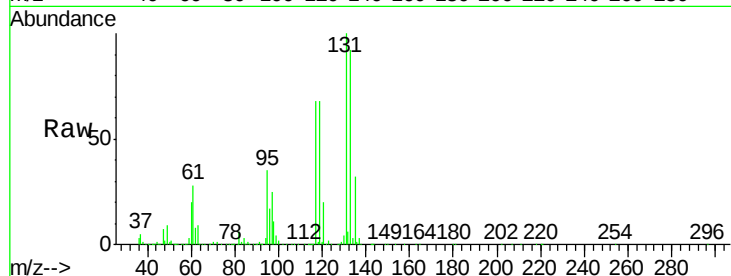
131 100

133 94.0 0.0 196.4

119 65.2 0.0 134.4

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#66

Ethyl Benzene

Concen: 21.628 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007434.D

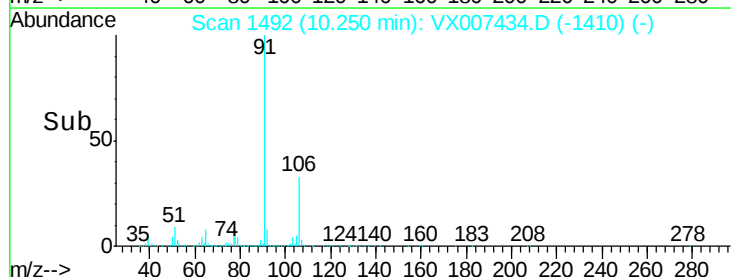
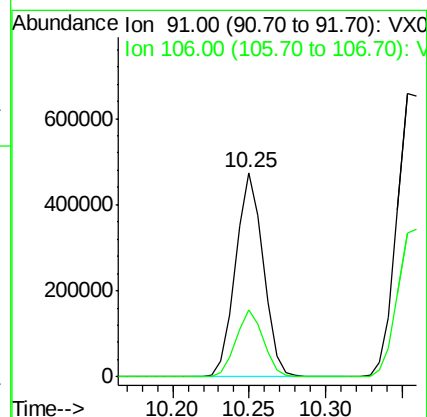
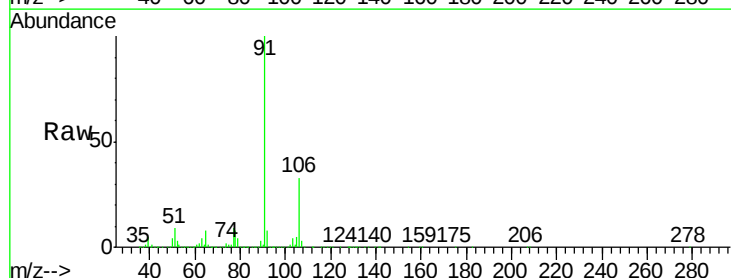
Acq: 08 Feb 2019 11:09

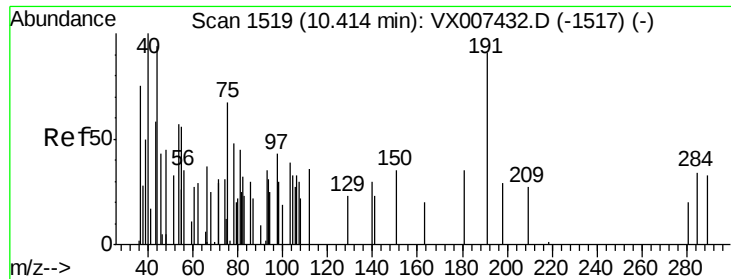
Tgt Ion: 91 Resp: 594795

Ion Ratio Lower Upper

91 100

106 32.9 25.1 37.7





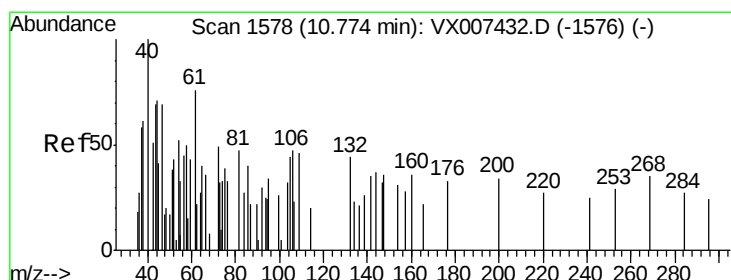
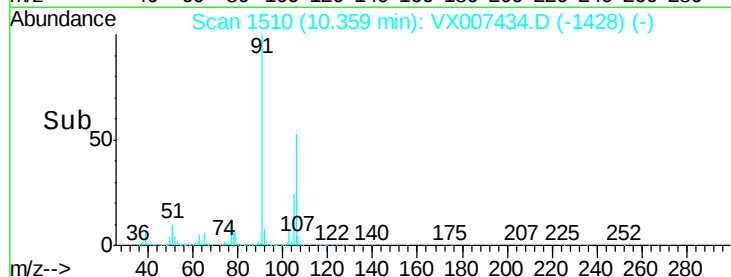
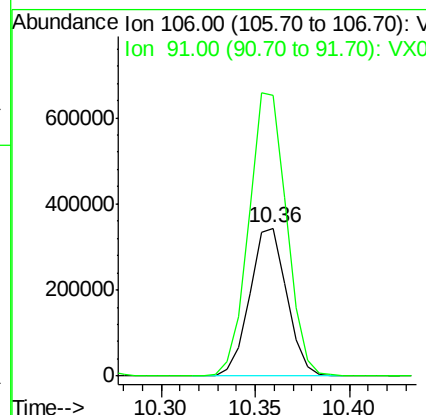
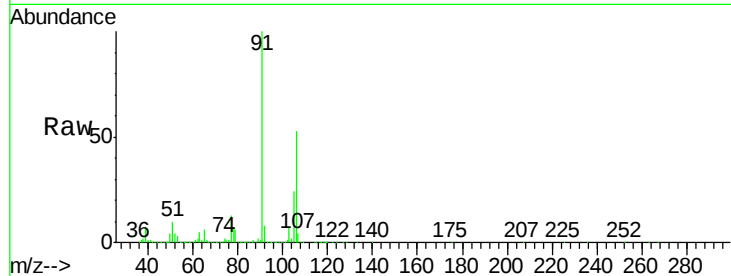
#67
m/p-Xvlenes
Concen: 42.951 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX007434.D
Acq: 08 Feb 2019 11:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion:106 Resp: 466472
Ion Ratio Lower Upper
106 100
91 195.6 157.6 236.4

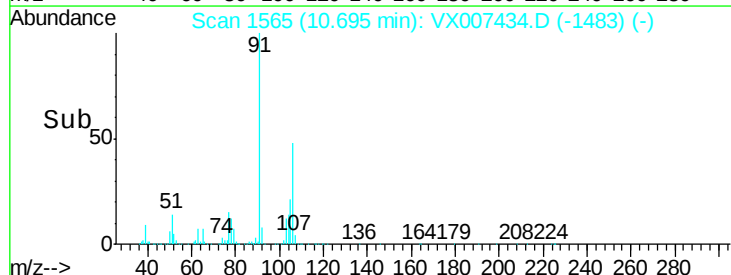
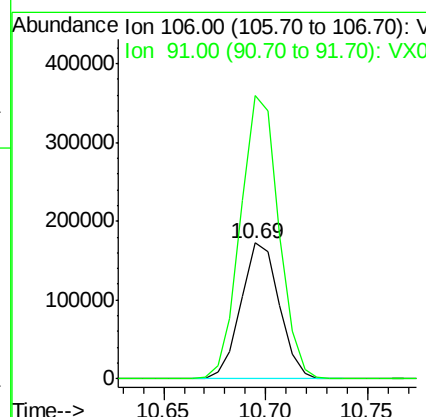
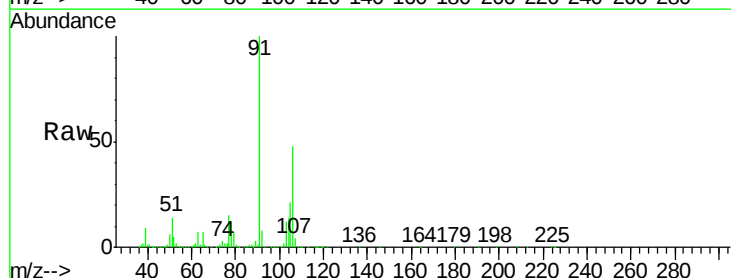
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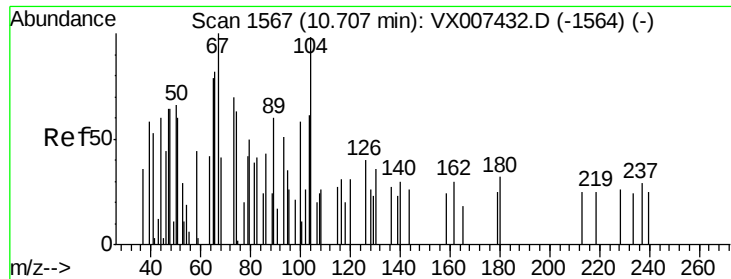
MMDadoda
2/11/2019 9:37:16 AM



#68
o-Xylene
Concen: 21.066 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX007434.D
Acq: 08 Feb 2019 11:09

Tgt Ion:106 Resp: 224121
Ion Ratio Lower Upper
106 100
91 208.1 103.6 310.8





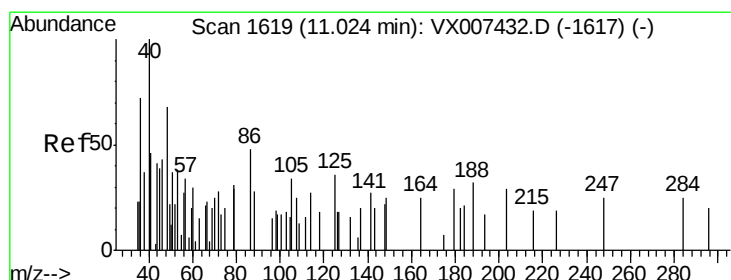
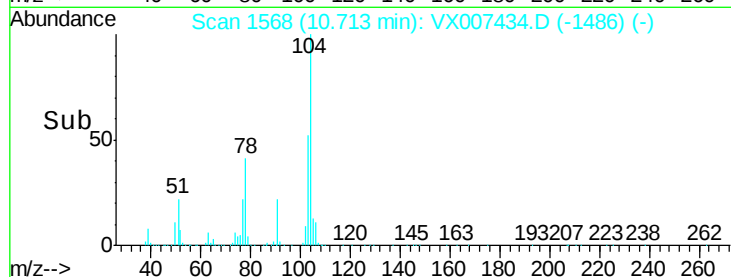
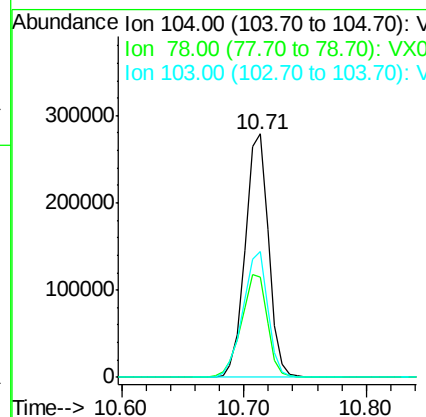
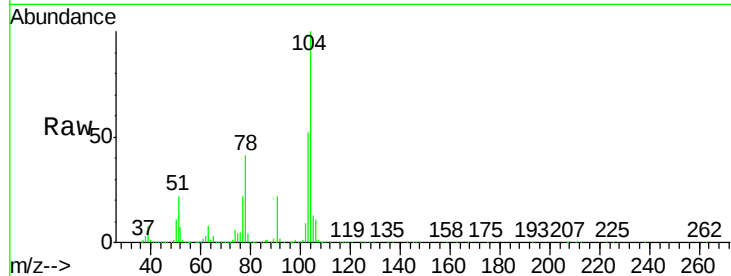
#69
Stvrene
Concen: 21.465 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007434.D
Acq: 08 Feb 2019 11:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	46.7	37.8	56.8
103	55.0	45.3	67.9

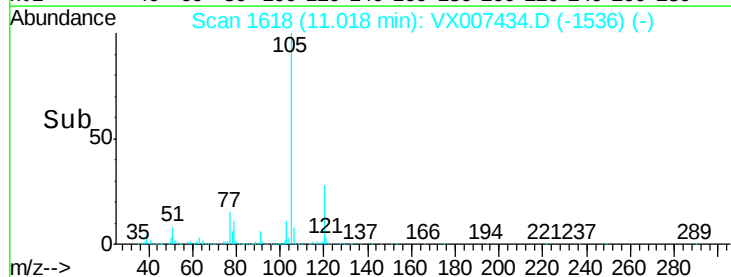
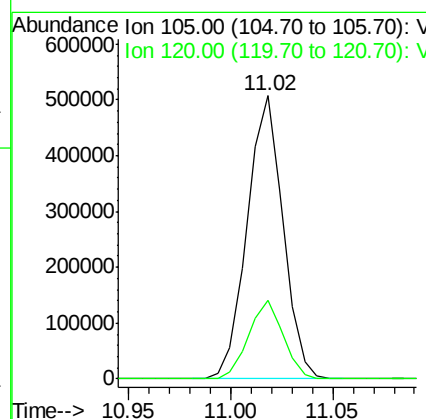
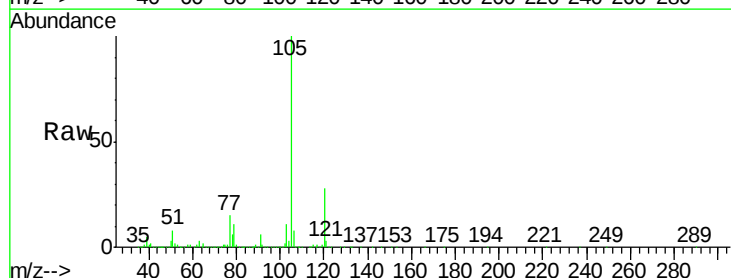
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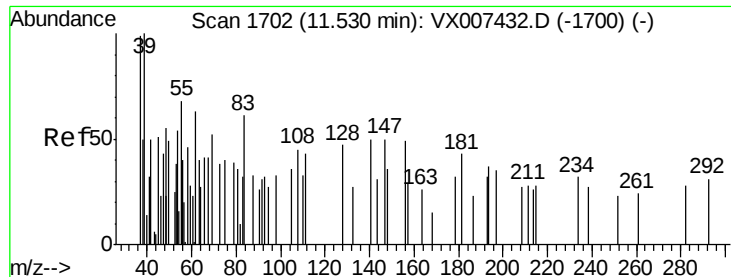
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#70
Isopropylbenzene
Concen: 21.987 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX007434.D
Acq: 08 Feb 2019 11:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	19.9	36.9





#71

1,1,2,2-Tetrachloroethane

Concen: 20.939 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007434.D

Acq: 08 Feb 2019 11:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 83 Resp: 188830

Ion Ratio Lower Upper

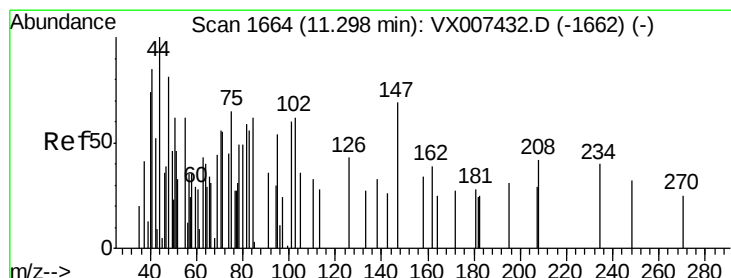
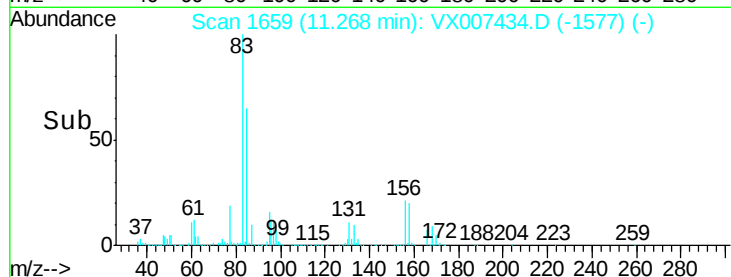
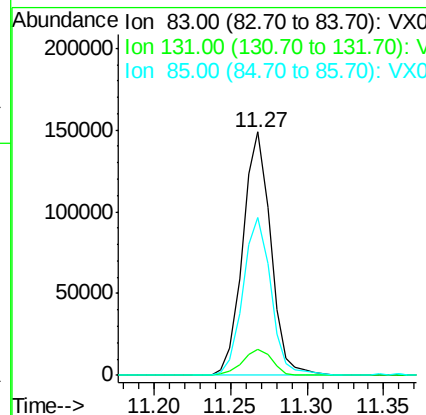
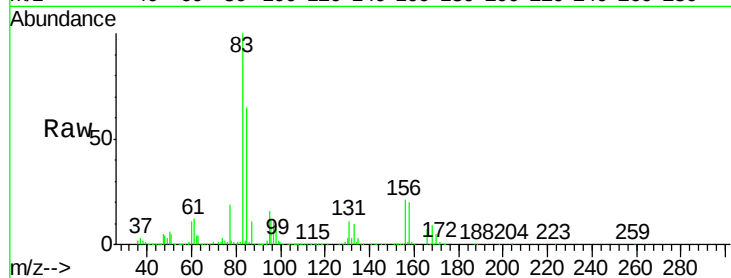
83 100

131 11.3 5.3 15.9

85 65.4 31.8 95.3

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2/11/2019 9:37:16 AM



#72

1,2,3-Trichloropropane

Concen: 21.542 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX007434.D

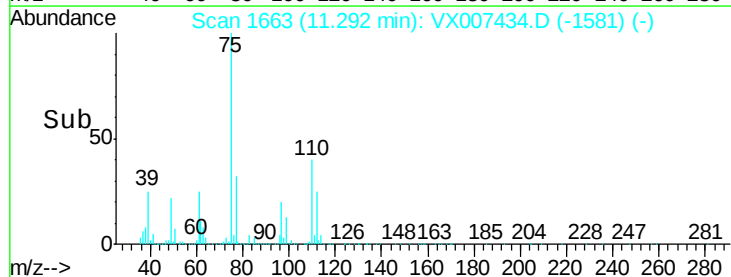
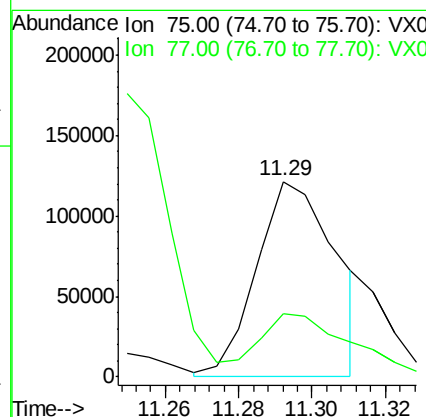
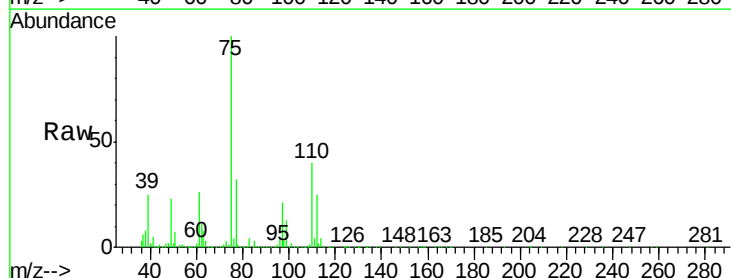
Acq: 08 Feb 2019 11:09

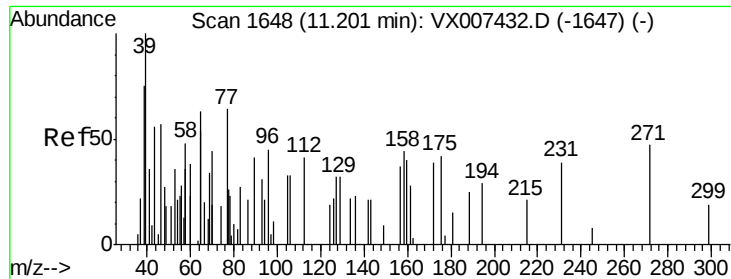
Tgt Ion: 75 Resp: 182644

Ion Ratio Lower Upper

75 100

77 38.4 0.0 73.2





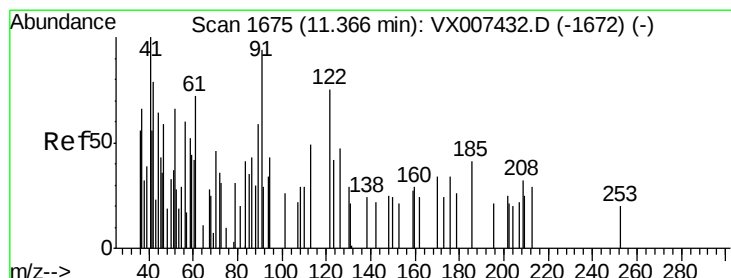
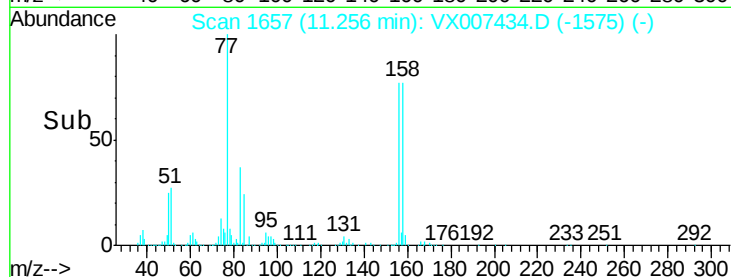
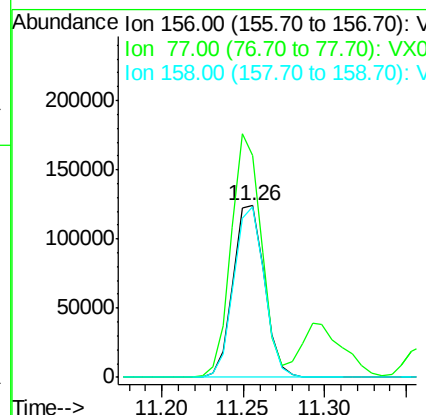
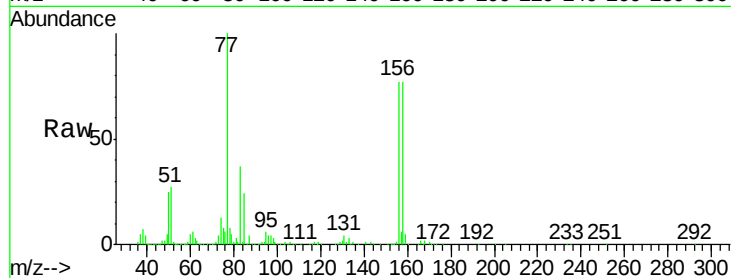
#73
Bromobenzene
Concen: 21.375 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX007434.D
Acq: 08 Feb 2019 11:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	135.6	0.0	267.0
158	96.5	0.0	194.6

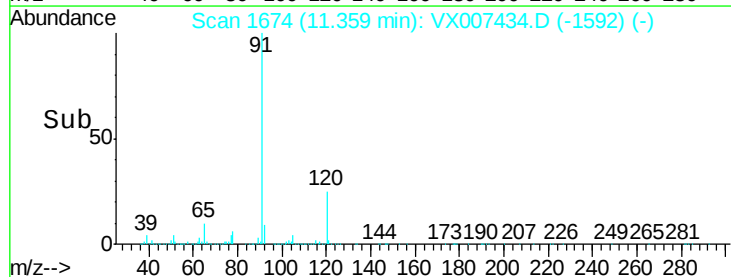
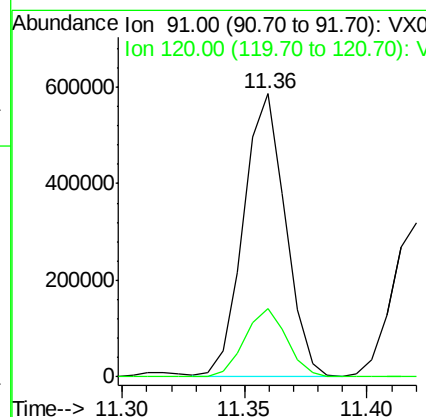
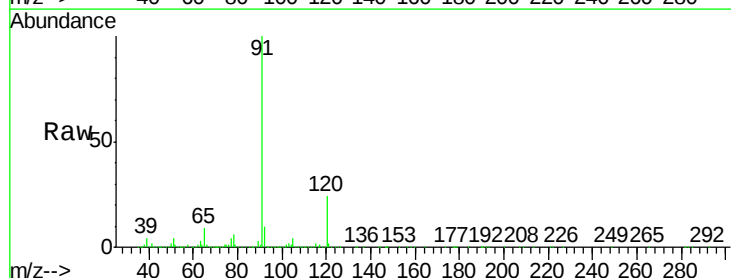
Manual Integrations
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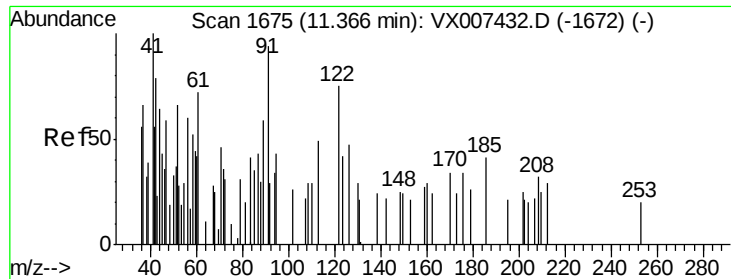
MMDadoda
2/11/2019 9:37:16 AM



#74
n-propylbenzene
Concen: 22.008 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX007434.D
Acq: 08 Feb 2019 11:09

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.2	0.0	48.0





#75

2-Chlorotoluene

Concen: 21.142 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007434.D

Acq: 08 Feb 2019 11:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 91 Resp: 397428

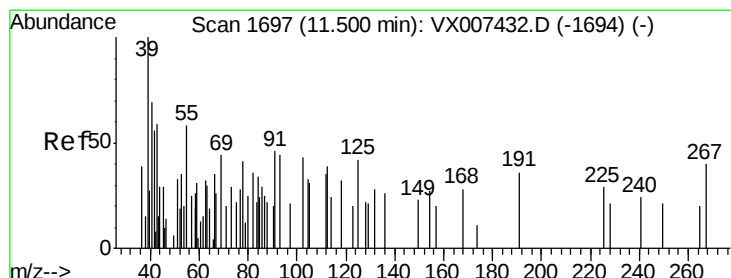
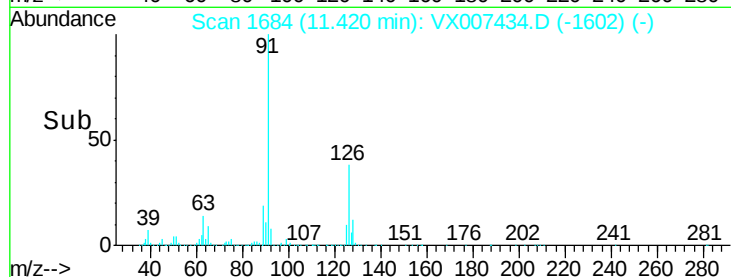
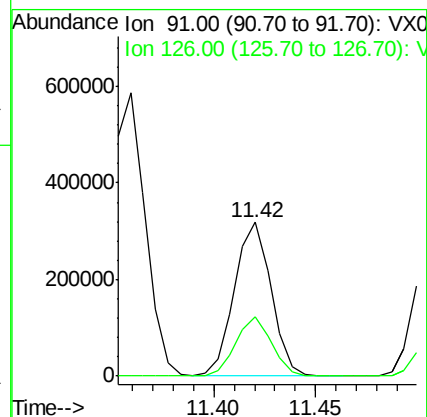
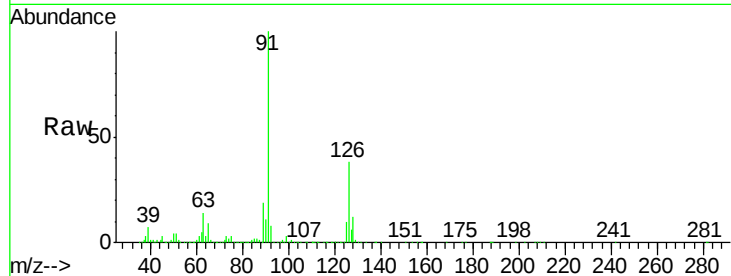
Ion Ratio Lower Upper

91 100

126 37.7 0.0 72.8

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#76

1,3,5-Trimethylbenzene

Concen: 21.373 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007434.D

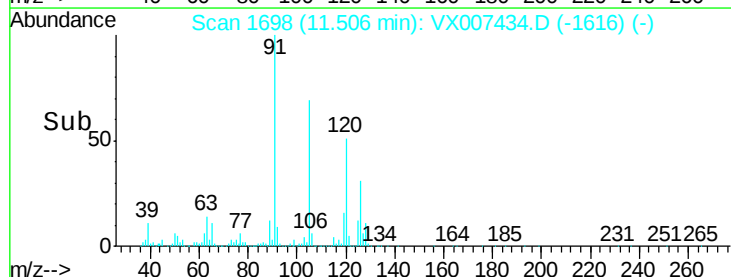
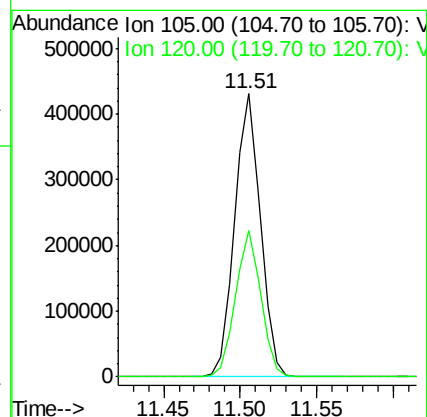
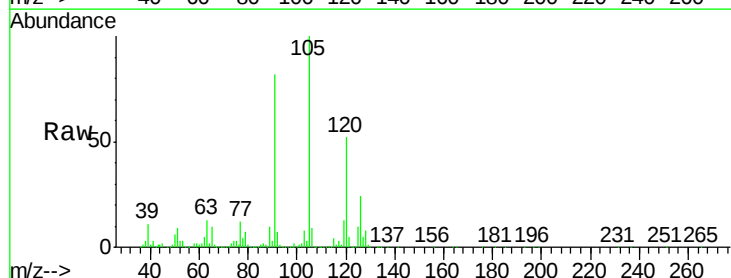
Acq: 08 Feb 2019 11:09

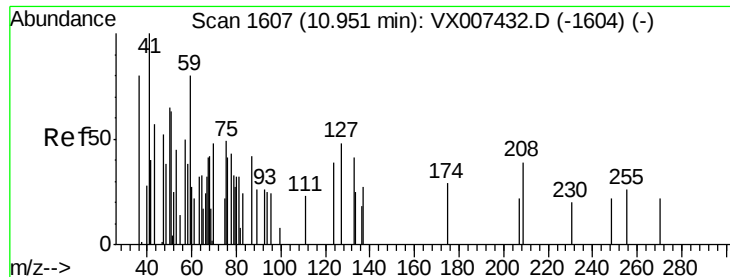
Tgt Ion: 105 Resp: 502436

Ion Ratio Lower Upper

105 100

120 50.6 0.0 99.8





#77

t-1,4-Dichloro-2-butene

Concen: 20.443 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX007434.D

Acq: 08 Feb 2019 11:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 75 Resp: 50359

Ion Ratio Lower Upper

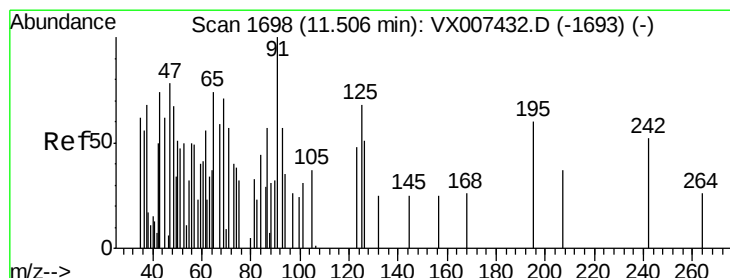
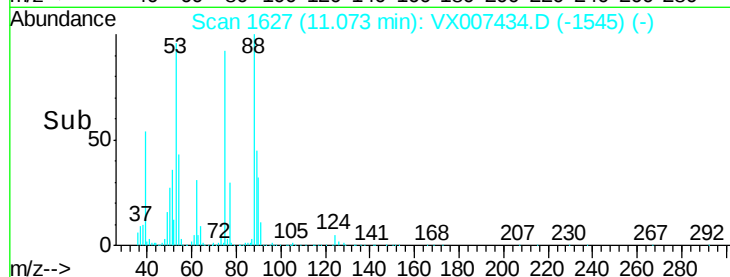
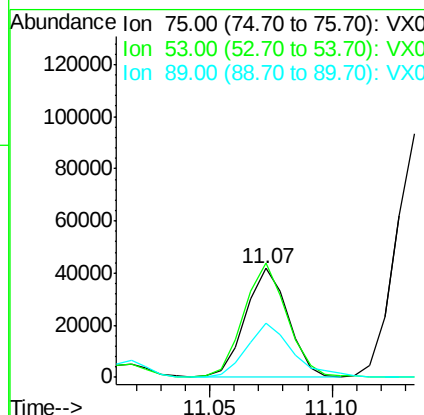
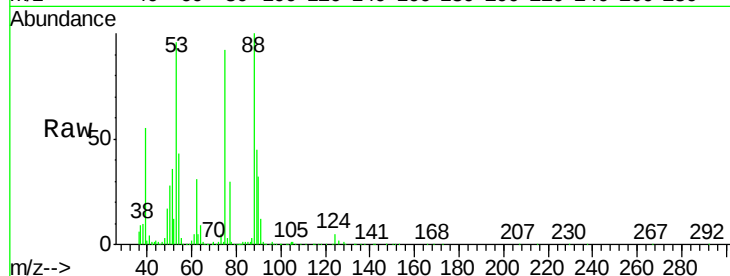
75 100

53 105.0 55.9 167.6

89 49.3 24.1 72.4

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#78

4-Chlorotoluene

Concen: 21.132 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX007434.D

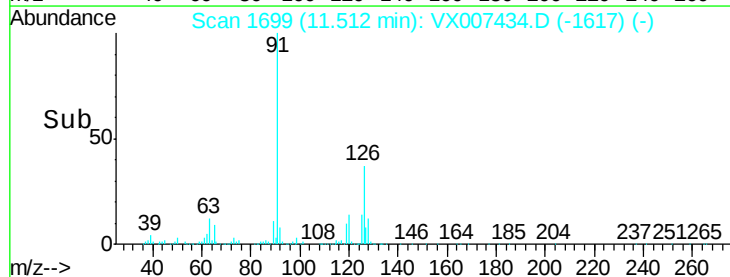
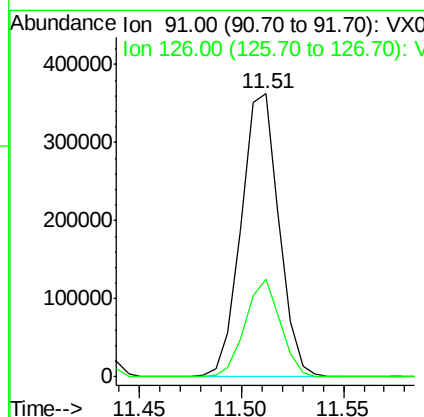
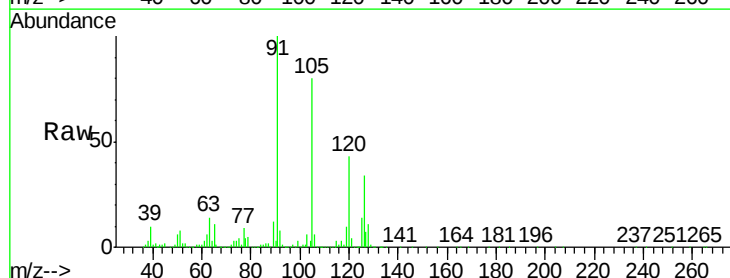
Acq: 08 Feb 2019 11:09

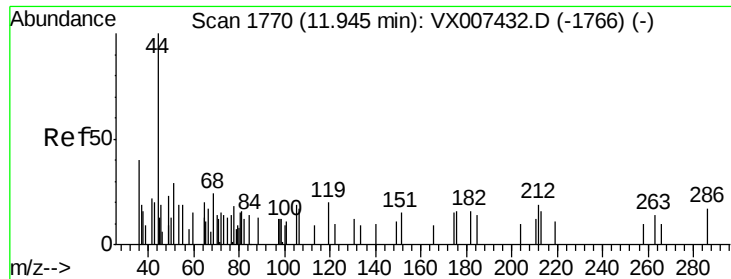
Tgt Ion: 91 Resp: 462519

Ion Ratio Lower Upper

91 100

126 32.6 0.0 63.8





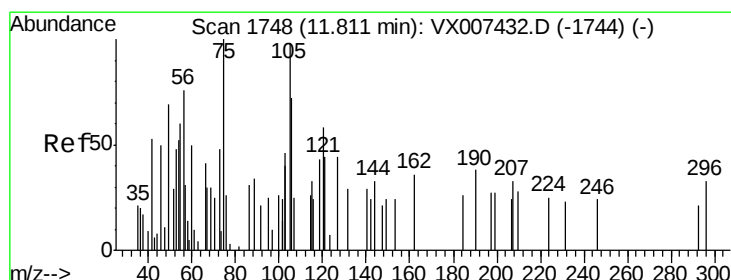
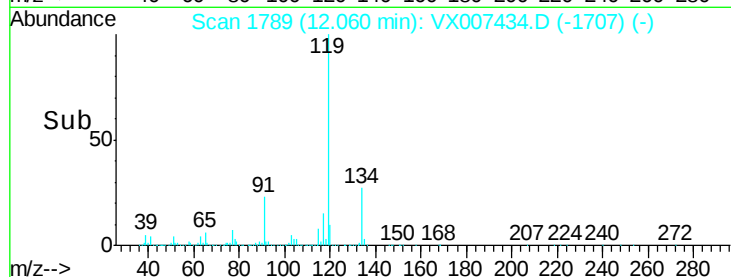
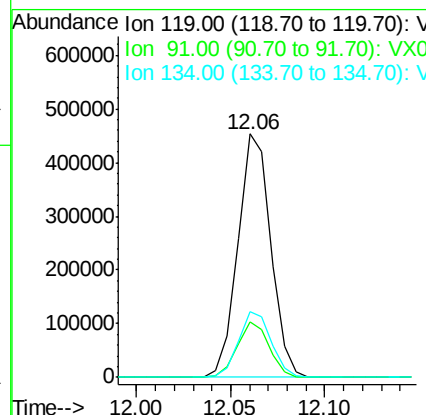
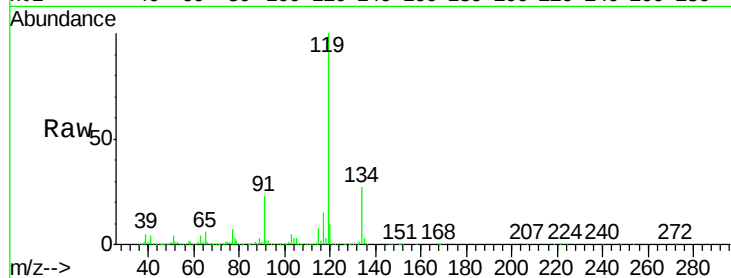
#79
tert-butylbenzene
Concen: 21.614 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX007434.D
Acq: 08 Feb 2019 11:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	549738		
91	22.1	0.0	45.0	
134	27.2	0.0	55.8	

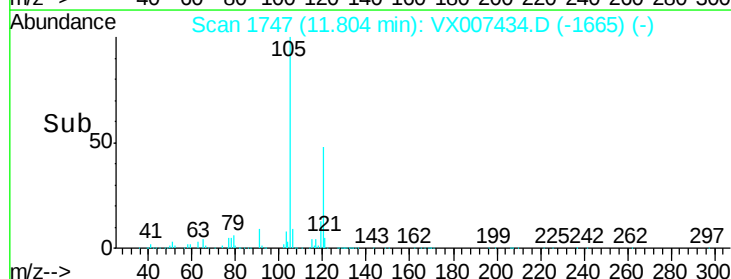
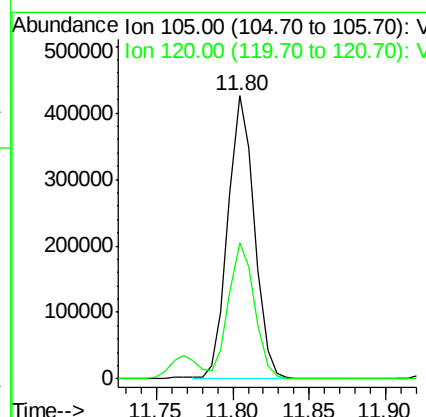
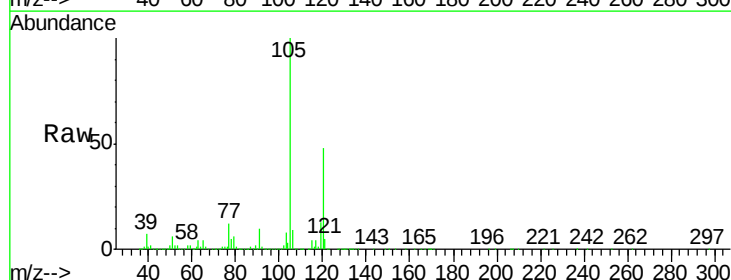
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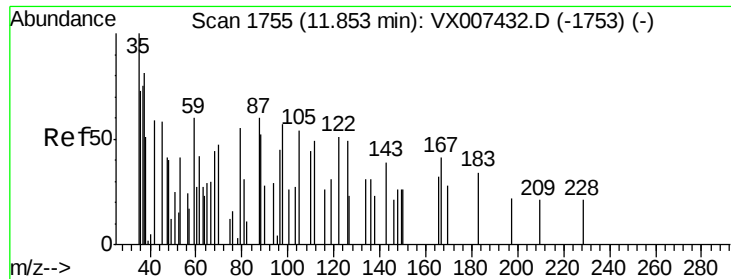
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 21.491 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX007434.D
Acq: 08 Feb 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	511540		
120	46.7	0.0	94.4	





#81

sec-Butylbenzene

Concen: 21.781 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007434.D

Acq: 08 Feb 2019 11:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:105 Resp: 617400

Ion Ratio Lower Upper

105 100

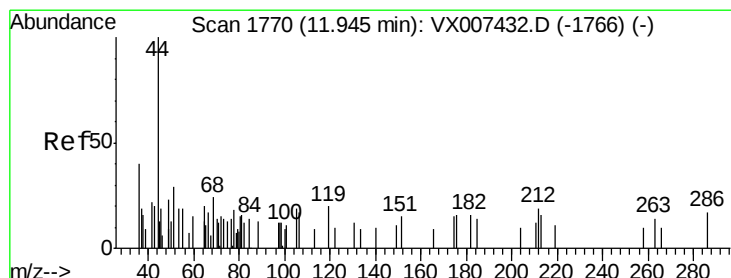
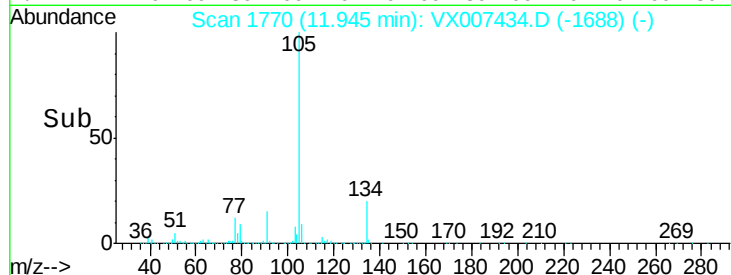
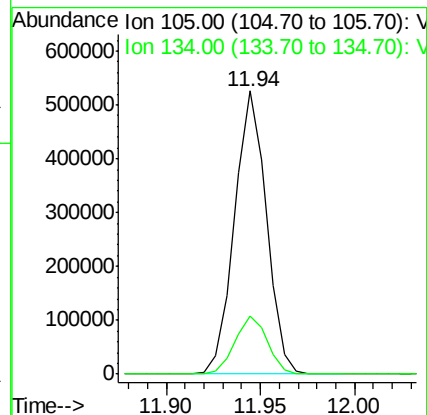
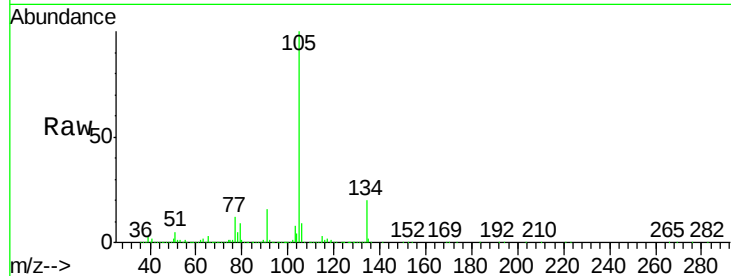
134 21.0 0.0 42.2

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#82

p-Isopropyltoluene

Concen: 21.614 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX007434.D

Acq: 08 Feb 2019 11:09

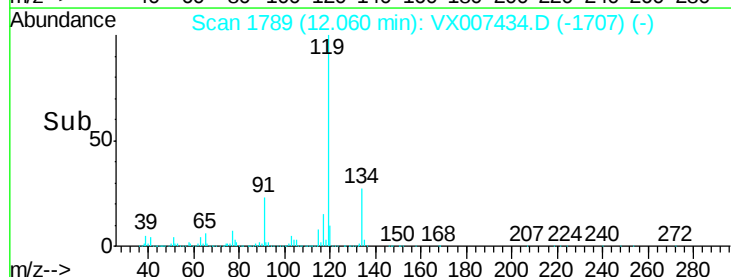
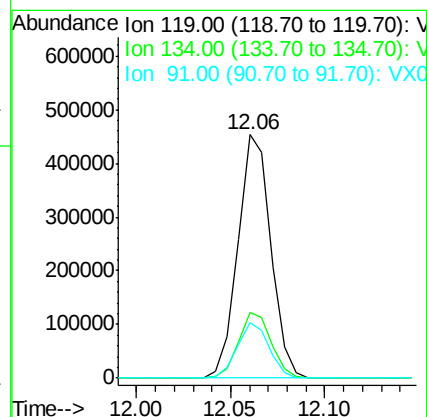
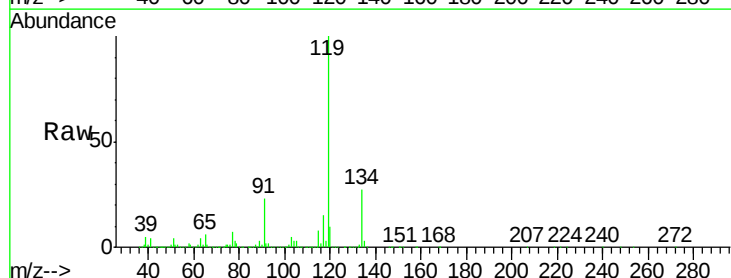
Tgt Ion:119 Resp: 549738

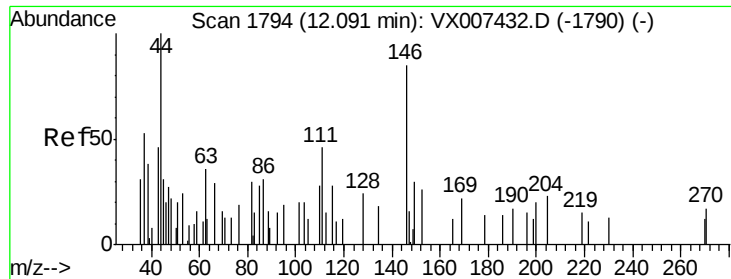
Ion Ratio Lower Upper

119 100

134 27.2 0.0 55.8

91 22.1 0.0 45.0





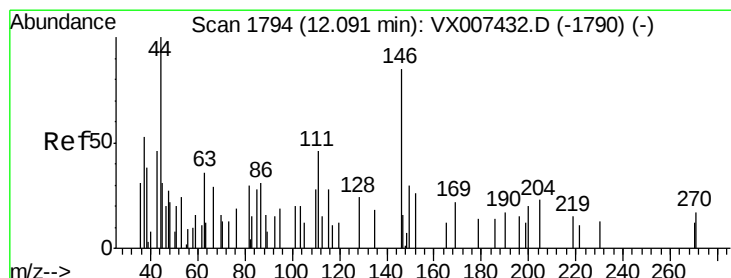
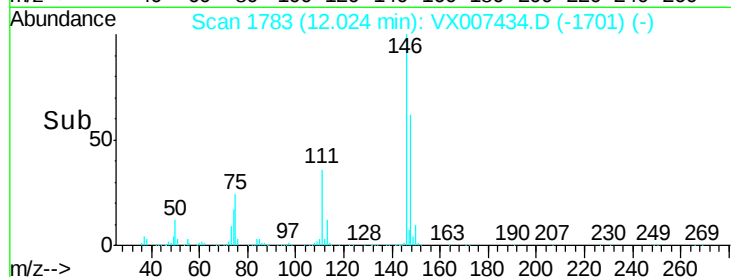
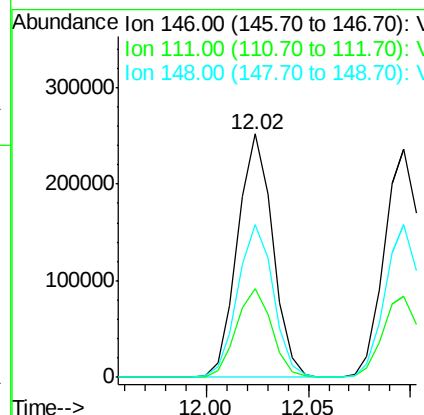
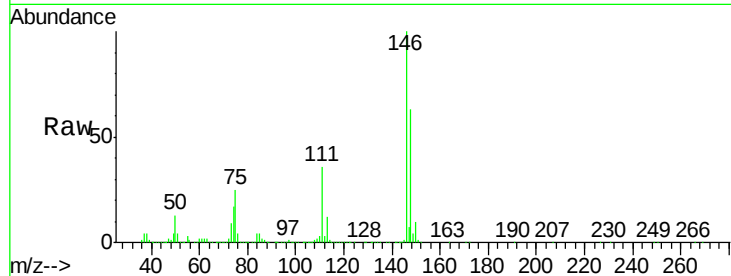
#83
 1,3-Dichlorobenzene
 Concen: 21.720 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX007434.D
 Acq: 08 Feb 2019 11:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	19.0	57.0
148	63.4	31.6	94.7

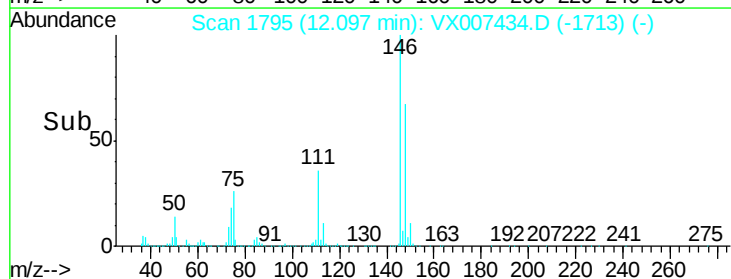
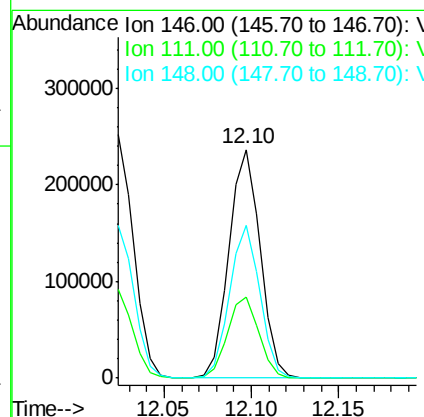
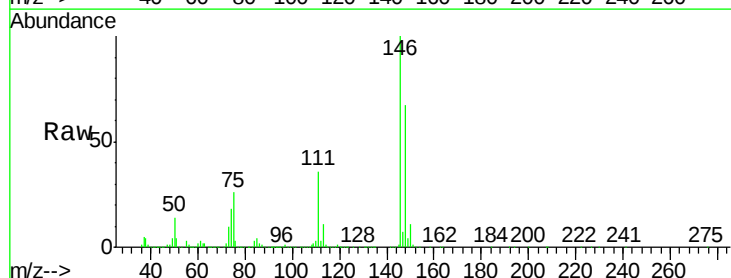
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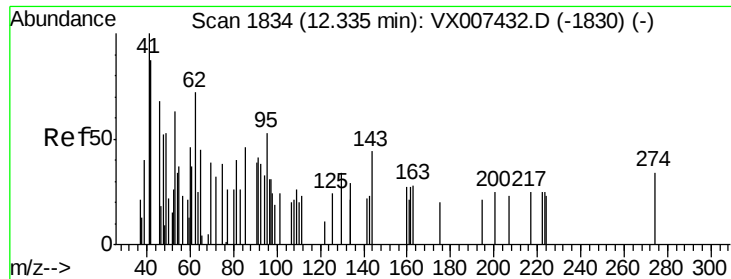
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#84
 1,4-Dichlorobenzene
 Concen: 21.258 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007434.D
 Acq: 08 Feb 2019 11:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.7	17.4	52.2
148	64.7	31.9	95.5





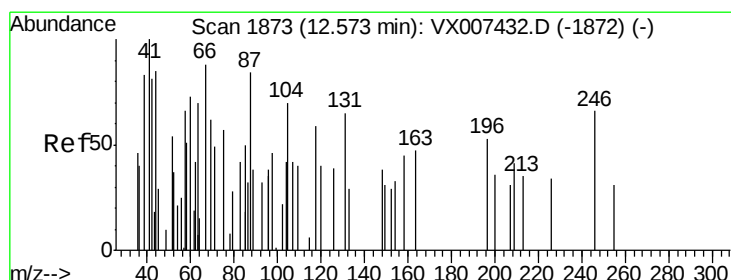
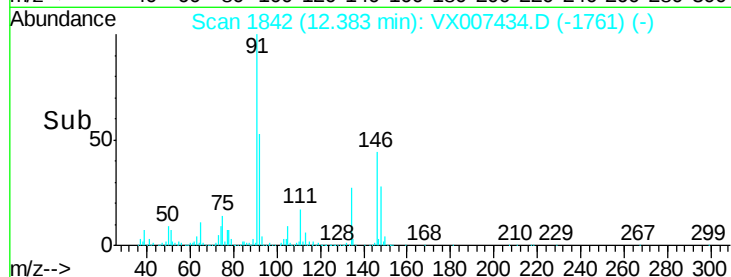
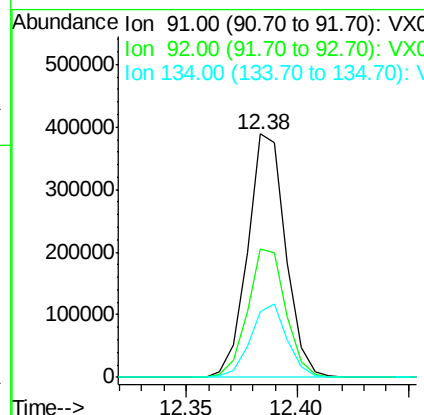
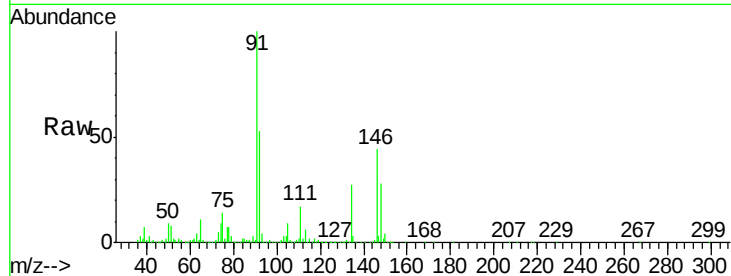
#85
n-Butylbenzene
Concen: 21.156 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX007434.D
Acq: 08 Feb 2019 11:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.3	0.0	106.2	
134	29.1	0.0	55.4	

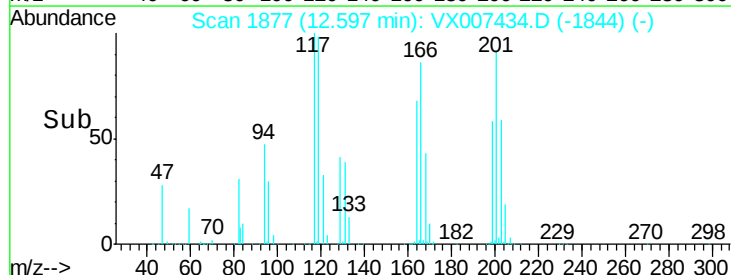
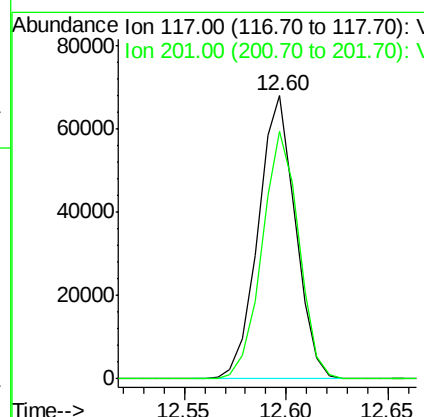
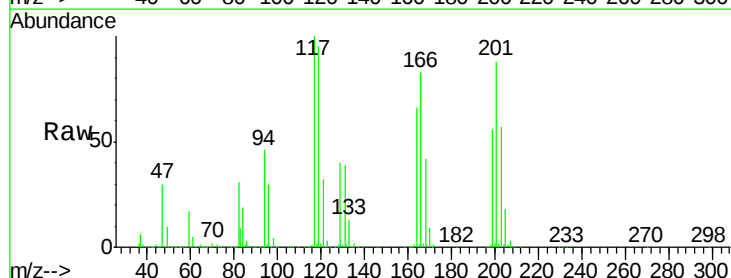
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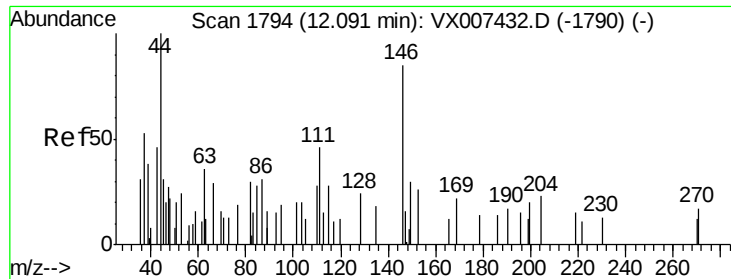
MMDadoda
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#86
Hexachloroethane
Concen: 22.006 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX007434.D
Acq: 08 Feb 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	85.9	41.6	124.8	





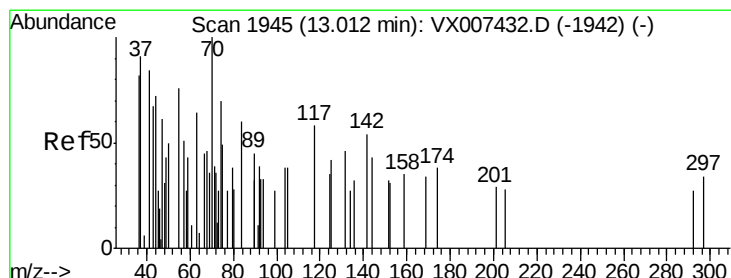
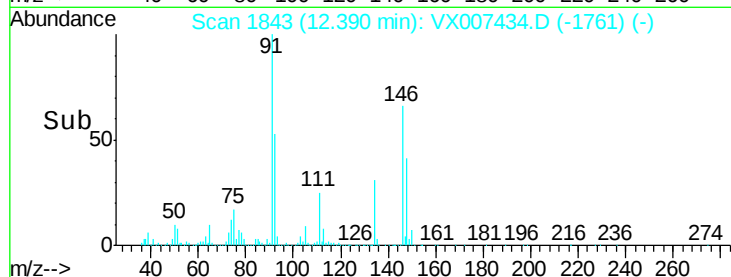
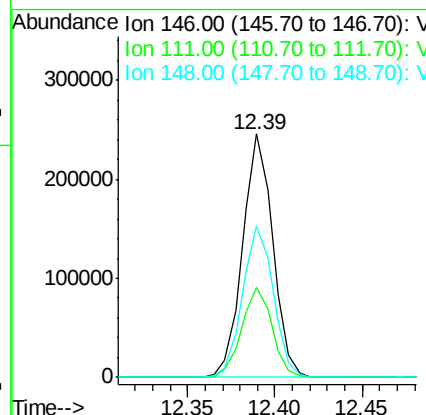
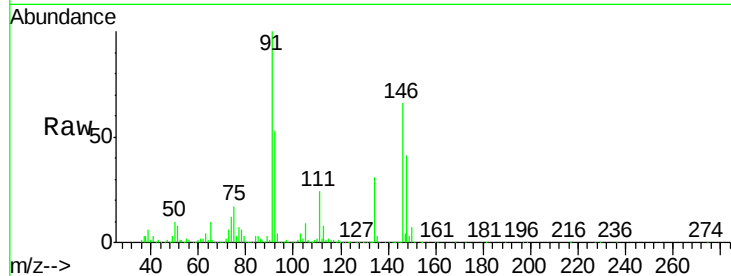
#87
 1,2-Dichlorobenzene
 Concen: 21.366 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX007434.D
 Acq: 08 Feb 2019 11:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	19.3	57.9
148	63.8	32.0	96.0

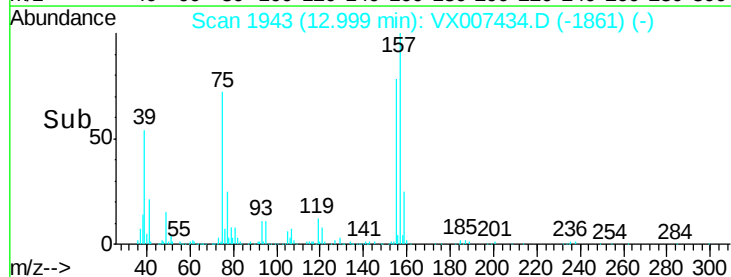
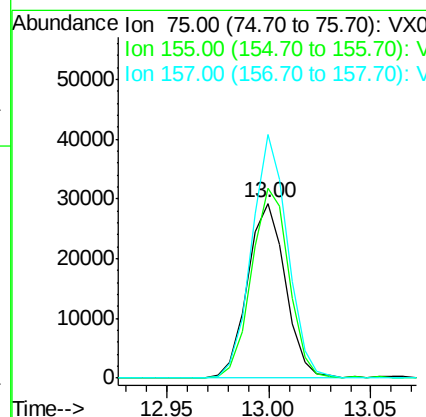
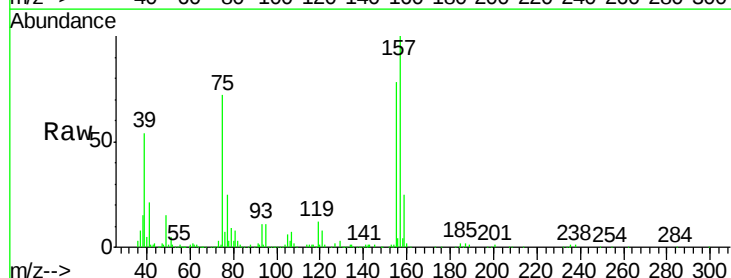
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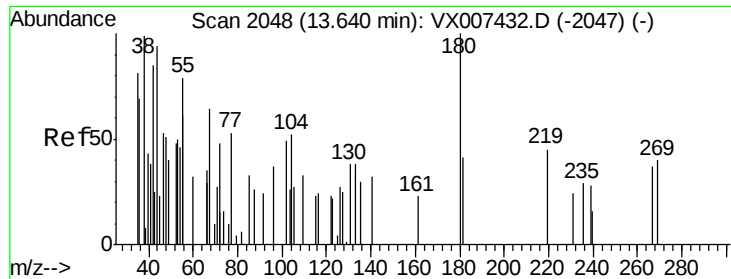
MMDadoda
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.542 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX007434.D
 Acq: 08 Feb 2019 11:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	106.0	82.8	124.2
157	132.1	106.9	160.3





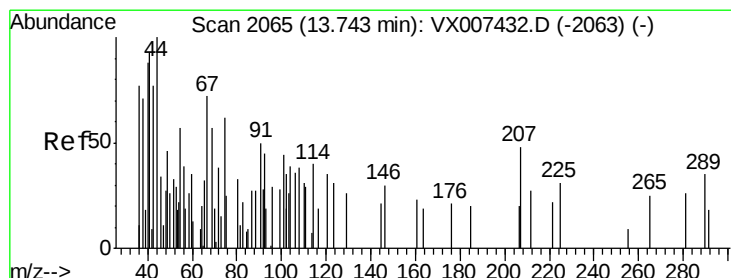
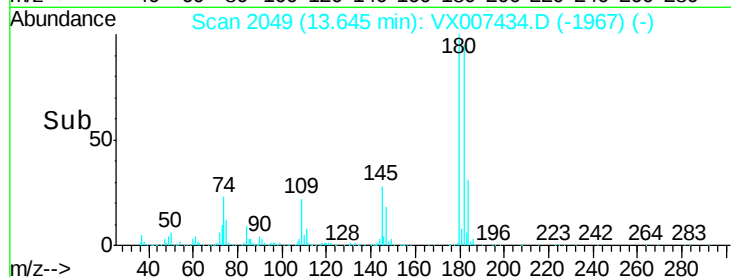
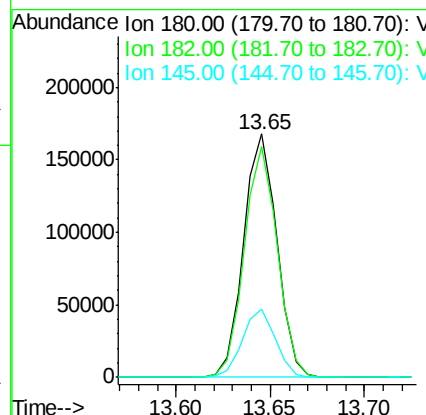
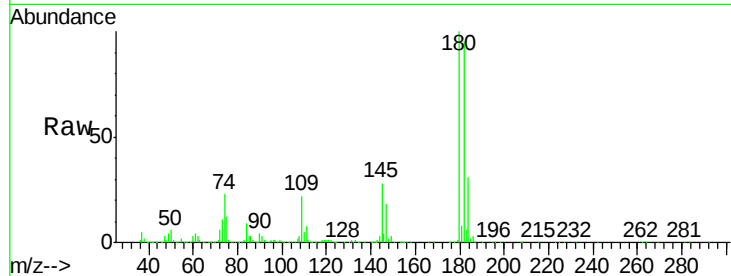
#89
 1,2,4-Trichlorobenzene
 Concen: 21.682 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX007434.D
 Acq: 08 Feb 2019 11:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.7	115.1
145	27.9	23.1	34.7

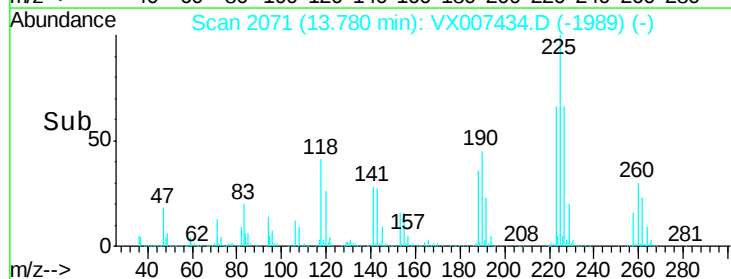
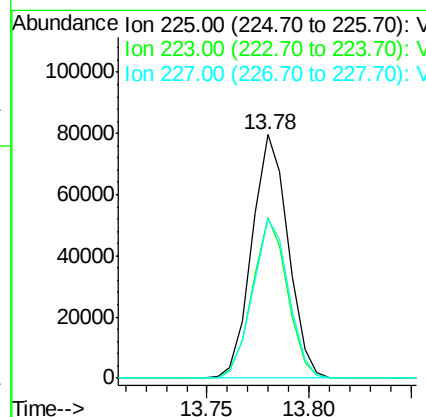
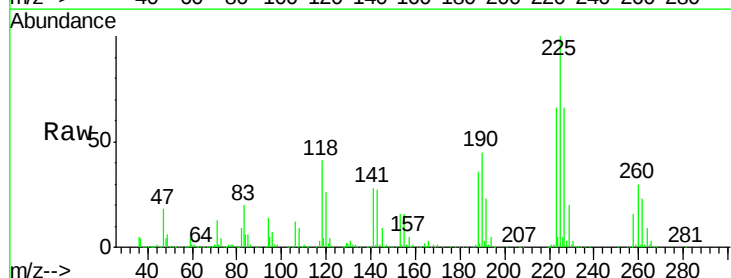
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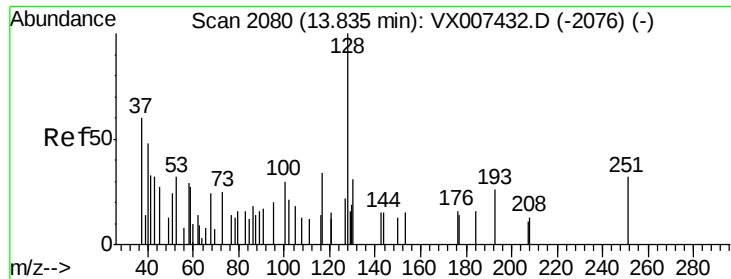
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 2/11/2019 9:37:16 AM



#90
 Hexachlorobutadiene
 Concen: 21.739 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX007434.D
 Acq: 08 Feb 2019 11:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	0.0	124.6
227	64.8	0.0	128.2





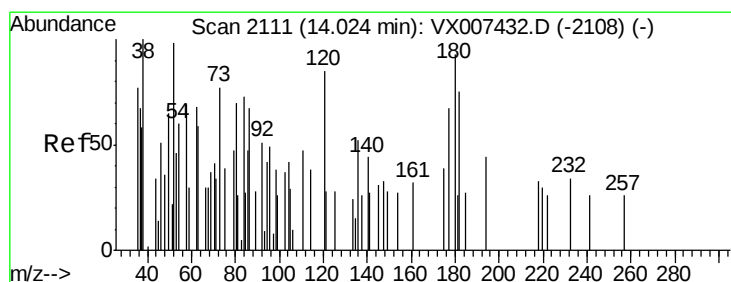
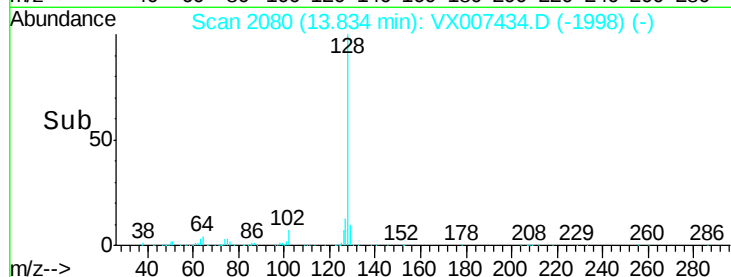
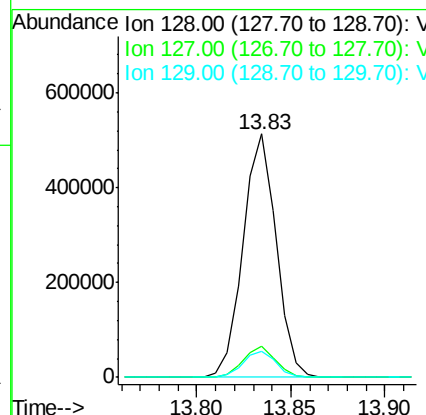
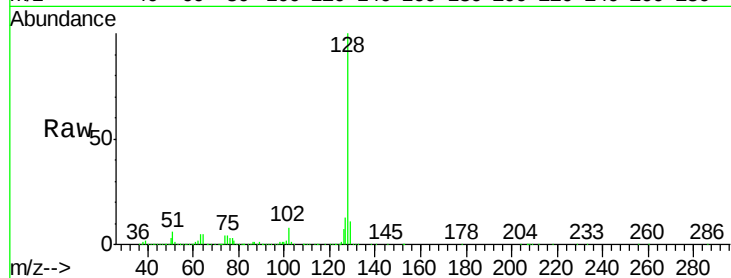
#91
Naphthalene
Concen: 21.813 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX007434.D
Acq: 08 Feb 2019 11:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	625491		
127	12.5		10.6	16.0
129	10.7		8.9	13.3

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#92
1,2,3-Trichlorobenzene
Concen: 21.645 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX007434.D
Acq: 08 Feb 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	203313		
182	96.0		0.0	187.6
145	31.4		0.0	62.0

