

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050319\
 Data File : VX009307.D
 Acq On : 03 May 2019 13:33
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 5/6/2019 9:28:43 AM

Quant Time: May 04 03:30:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	30000	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	171559	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	151609	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	71649	28.79	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.97%
60) 4-Bromofluorobenzene	11.13	95	76884	29.84	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.47%
63) Toluene-d8	8.71	98	219138	30.49	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	30547	19.163	ug/l 99
3) Chloromethane	1.32	50	40458	18.882	ug/l 99
4) Vinyl Chloride	1.40	62	40644	19.014	ug/l 97
5) Bromomethane	1.64	94	23360	17.240	ug/l 100
6) Chloroethane	1.72	64	24933	17.786	ug/l 95
7) Trichlorofluoromethane	1.93	101	50684	19.202	ug/l 99
8) Diethyl Ether	2.18	74	23360	19.060	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	31947	19.549	ug/l 99
10) 1,1-Dichloroethene	2.37	96	31394	19.132	ug/l 96
11) Methyl Iodide	2.51	142	34467	19.322	ug/l 99
12) Methyl Acetate	2.77	43	56058	18.138	ug/l 99
13) Acrolein	2.29	56	29582	69.784	ug/l 98
14) Acrylonitrile	3.14	53	124666	92.943	ug/l 99
15) Acetone	2.44	58	34958	90.774	ug/l 94
16) Carbon Disulfide	2.57	76	83815	18.878	ug/l 99
17) Allyl chloride	2.73	41	73492	18.656	ug/l 99
18) Methylene Chloride	2.85	84	38053	19.189	ug/l 96
19) trans-1,2-Dichloroethene	3.16	96	33482	19.137	ug/l 98
20) Diisopropyl ether	3.85	45	148686	19.166	ug/l 97
21) 1,1-Dichloroethane	3.69	63	71162	18.955	ug/l 100
22) cis-1,2-Dichloroethene	4.59	96	40669	19.298	ug/l 99
23) tert-Butyl Alcohol	3.04	59	51697	91.150	ug/l # 100
24) Methyl tert-Butyl Ether	3.19	73	121275	18.885	ug/l 100
25) Chloroform	5.21	83	65630	19.156	ug/l 99
26) Cyclohexane	5.57	56	67259	19.222	ug/l # 98
29) 1,1-Dichloropropene	5.79	75	50211	19.946	ug/l 98
30) 2-Butanone	4.67	43	185711	94.201	ug/l 99
31) 2,2-Dichloropropane	4.58	77	52322	18.853	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	54171	19.850	ug/l 98
33) Carbon Tetrachloride	5.78	117	44361	19.429	ug/l 99
34) Benzene	6.13	78	153313	19.755	ug/l 99
35) Methacrylonitrile	5.04	41	39909	19.349	ug/l 98
36) 1,2-Dichloroethane	6.19	62	55985	19.880	ug/l 100
37) Trichloroethene	7.21	130	36978	19.793	ug/l 96
38) Methylcyclohexane	7.46	83	61960	19.922	ug/l 99
39) 1,2-Dichloropropane	7.51	63	44093	19.951	ug/l 99
40) Dibromomethane	7.66	93	24742	19.725	ug/l 100

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	50141	19.569	ug/l	95
42) Vinyl Acetate	3.81	43	640834	98.489	ug/l	100
43) Ethyl Acetate	4.82	43	68974	19.362	ug/l	100
44) Isopropyl Acetate	6.44	43	110214	19.098	ug/l	98
45) 1,4-Dioxane	7.74	88	21858	385.779	ug/l	99
46) Methyl methacrylate	7.76	41	54878	19.052	ug/l	97
47) n-amyl Acetate	10.90	43	96402	18.543	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	55354	18.516	ug/l	97
49) cis-1,3-Dichloropropene	8.43	75	63393	19.316	ug/l	97
50) 1,1,2-Trichloroethane	9.21	97	38342	19.951	ug/l	98
51) Ethyl methacrylate	9.18	69	66940	18.849	ug/l	97
52) 1,3-Dichloropropane	9.37	76	66720	19.562	ug/l	100
53) Dibromochloromethane	9.58	129	36857	19.257	ug/l	98
54) 1,2-Dibromoethane	9.67	107	38124	19.343	ug/l	98
55) 2-Chloroethyl vinyl ether	8.30	63	188422	99.566	ug/l	99
56) Bromoform	10.85	173	27192	18.508	ug/l	98
58) 4-Methyl-2-Pentanone	8.64	43	358088	96.057	ug/l	100
59) 2-Hexanone	9.49	43	272381	93.155	ug/l	99
61) Tetrachloroethene	9.34	164	34683	20.752	ug/l	97
62) Toluene	8.78	91	162554	20.065	ug/l	99
64) Chlorobenzene	10.13	112	97619	20.022	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.22	131	35159	19.694	ug/l	99
66) Ethyl Benzene	10.25	91	179436	19.882	ug/l	98
67) m/p-Xylenes	10.35	106	131840	40.011	ug/l	99
68) o-Xylene	10.69	106	64258	19.833	ug/l	99
69) Styrene	10.71	104	112526	19.784	ug/l	99
70) Isopropylbenzene	11.02	105	175922	20.189	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	61972	19.420	ug/l	100
72) 1,2,3-Trichloropropane	11.29	75	55179m	20.065	ug/l	
73) Bromobenzene	11.26	156	42866	19.911	ug/l	99
74) n-propylbenzene	11.36	91	203920	20.195	ug/l	100
75) 2-Chlorotoluene	11.42	91	121402	20.045	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	149261	20.222	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	19536	17.612	ug/l	98
78) 4-Chlorotoluene	11.51	91	138006	20.063	ug/l	100
79) tert-butylbenzene	11.77	119	142970	20.037	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	147305	19.912	ug/l	99
81) sec-Butylbenzene	11.94	105	172061	20.296	ug/l	100
82) p-Isopropyltoluene	12.06	119	155771	20.200	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	75165	19.550	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	75205	19.633	ug/l	99
85) n-Butylbenzene	12.38	91	138460	19.622	ug/l	100
86) Hexachloroethane	12.59	117	24771	18.877	ug/l	96
87) 1,2-Dichlorobenzene	12.39	146	77568	20.042	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	13702	18.477	ug/l	98
89) 1,2,4-Trichlorobenzene	13.65	180	54214	19.653	ug/l	99
90) Hexachlorobutadiene	13.78	225	27746	20.136	ug/l	100
91) Naphthalene	13.83	128	179134	19.834	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	56843	20.271	ug/l	99

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QLast Update : Thu May 02 06:46:57 2019
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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

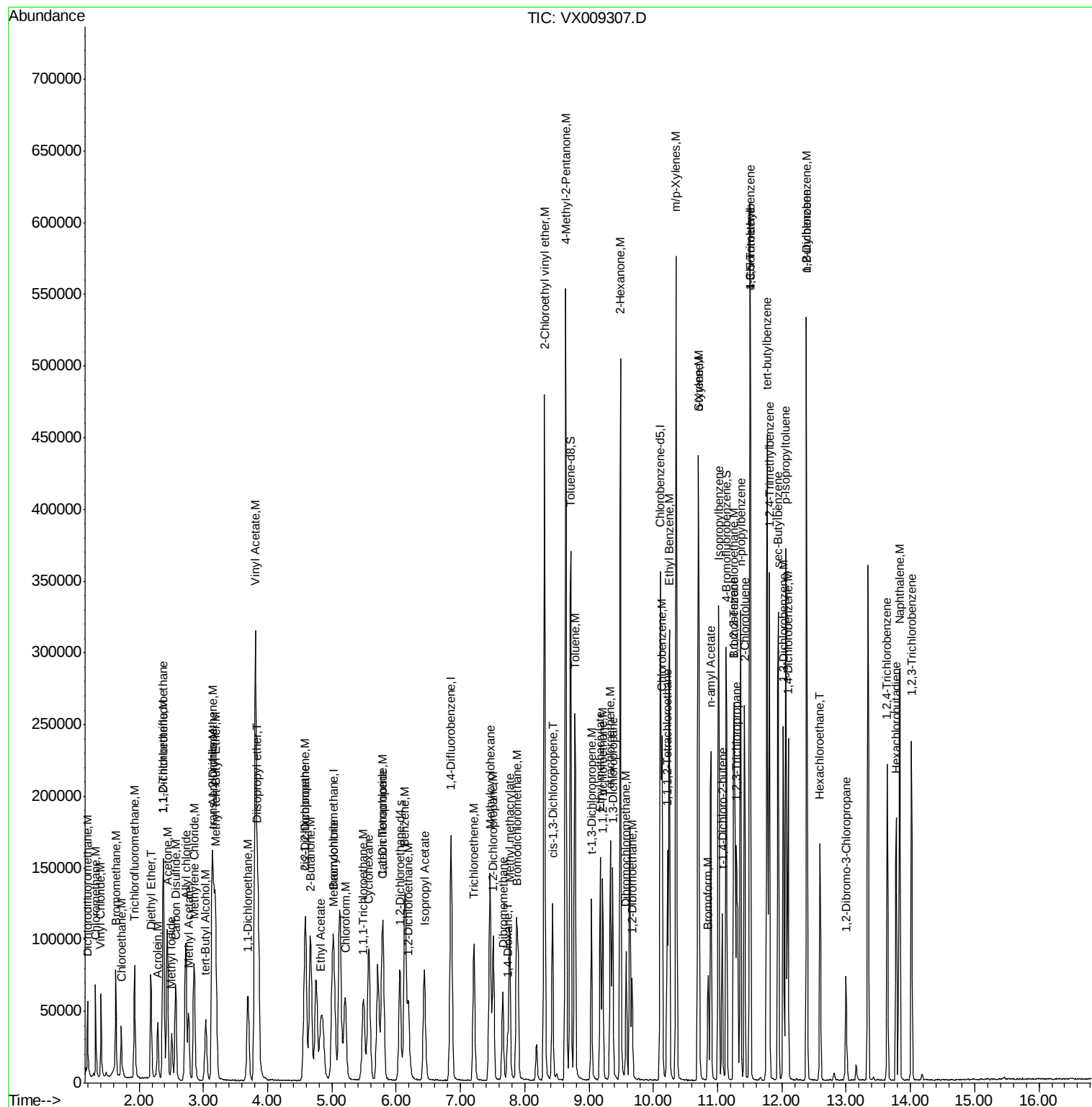
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Data File : VX009307.D
Acq On : 03 May 2019 13:33
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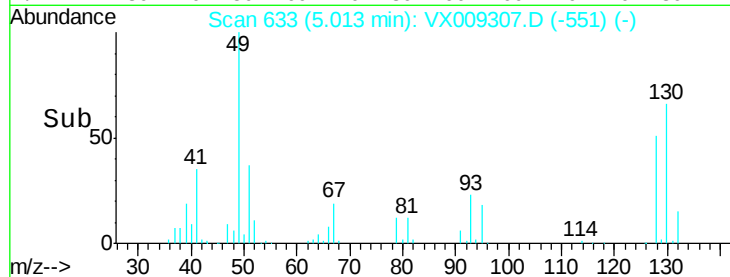
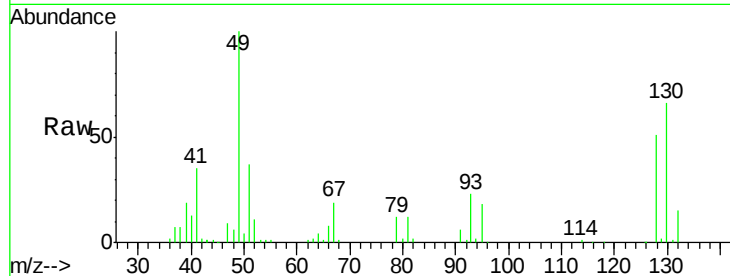
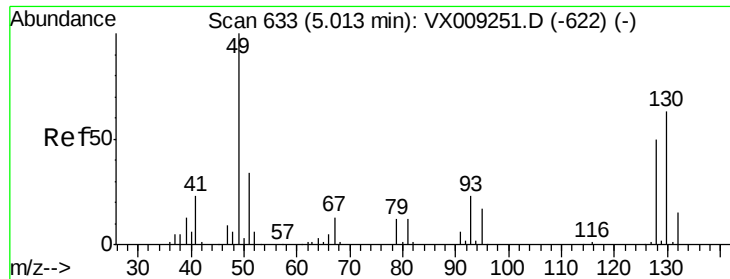
Instrument :
MSVOA_X
ClientSampleId :
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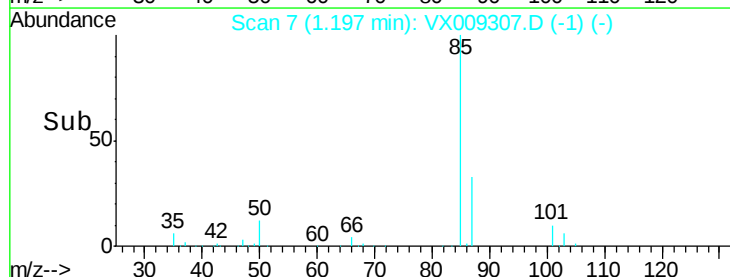
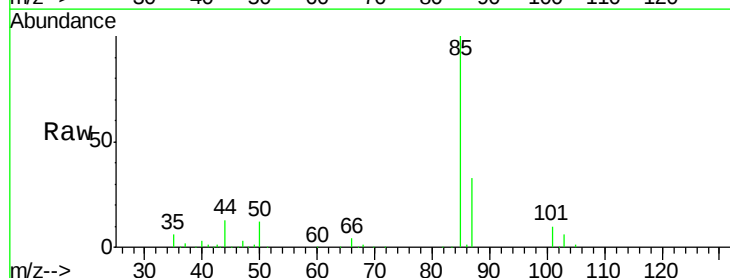
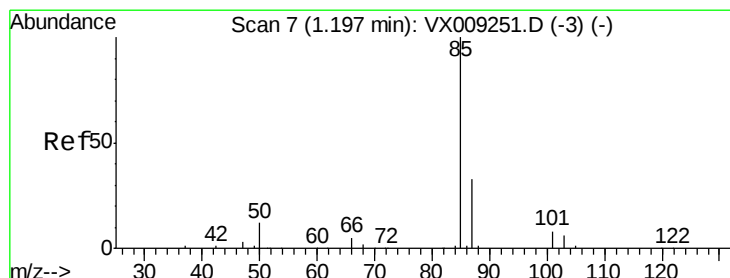
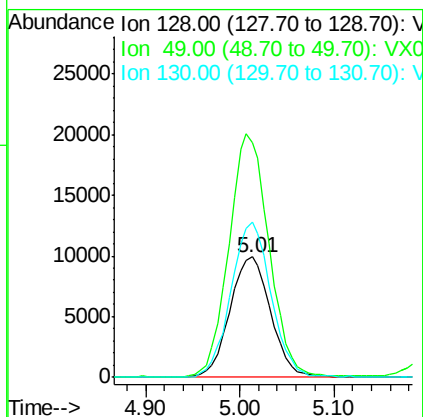
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.00 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

Tot Ion	Ratio	Lower	Upper
128	100		
49	198.7	0.0	515.0
130	126.3	0.0	323.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

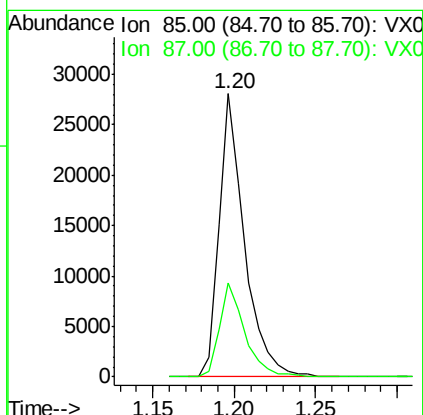
Manual Integrations
APPROVED

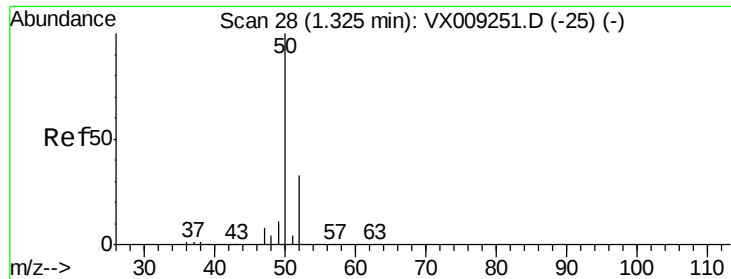
MMDadoda
5/6/2019 9:28:43 AM



#2
Dichlorodifluoromethane
Concen: 19.163 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.3	16.3	48.9





#3

Chloromethane

Concen: 18.882 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 40458

Ion Ratio Lower Upper

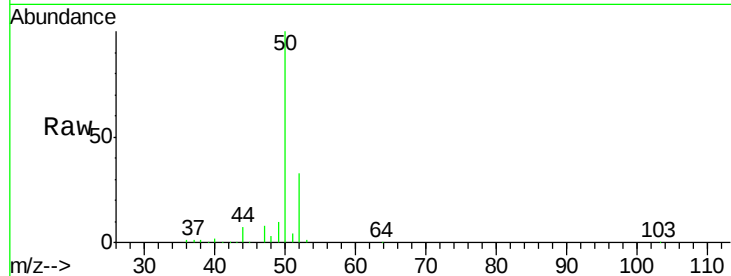
50 100

52 33.3 26.3 39.5

Manual Integrations
APPROVED

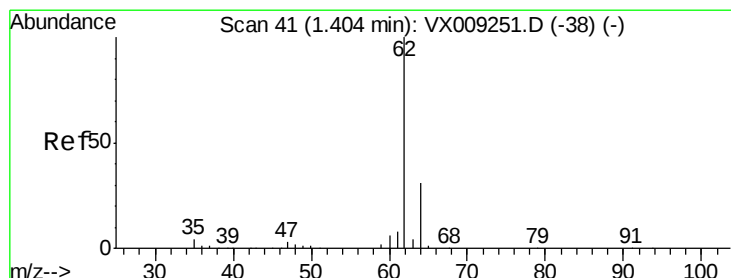
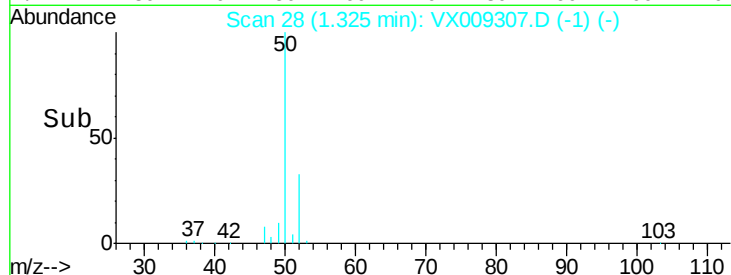
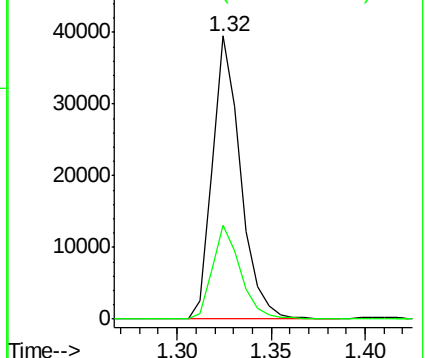
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Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 19.014 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX009307.D

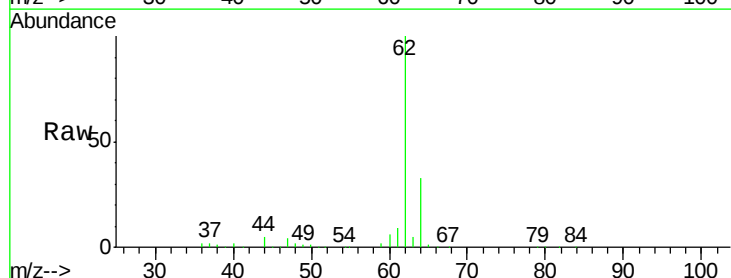
Acq: 03 May 2019 13:33

Tgt Ion: 62 Resp: 40644

Ion Ratio Lower Upper

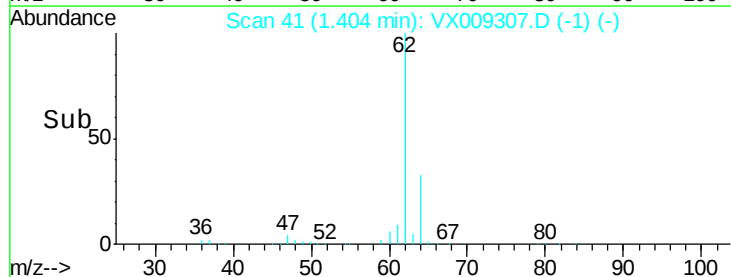
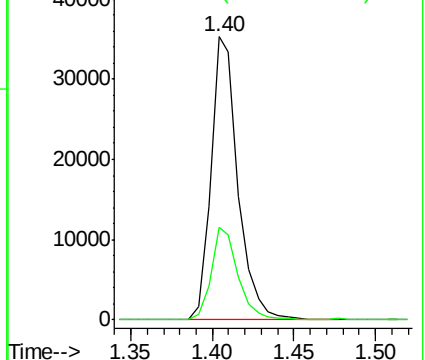
62 100

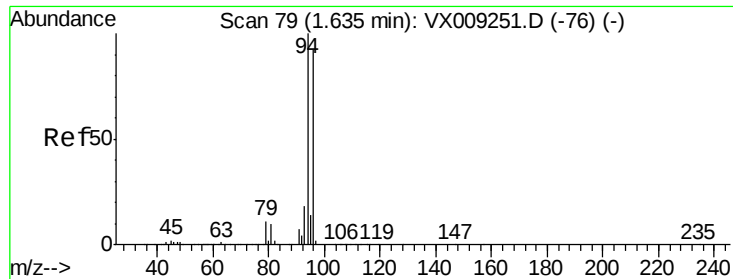
64 32.4 24.6 36.8



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 17.240 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 23360

Ion Ratio Lower Upper

94 100

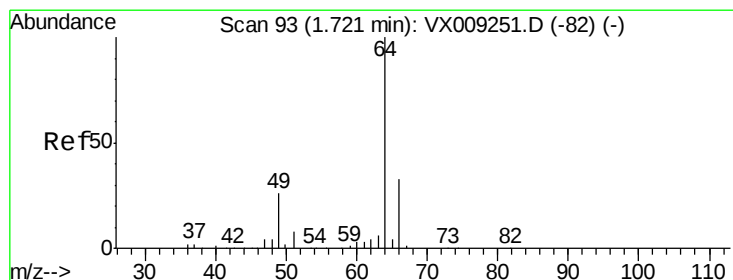
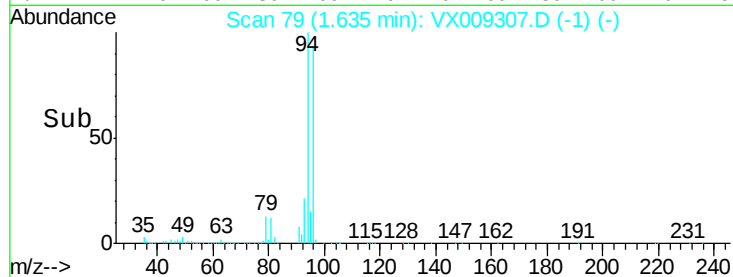
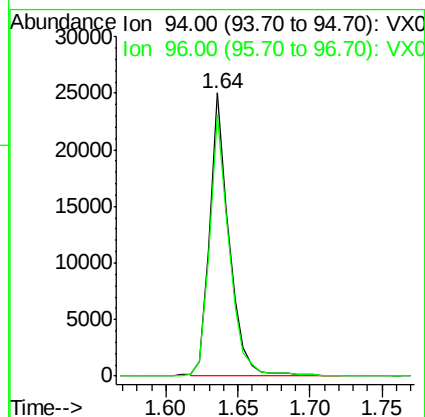
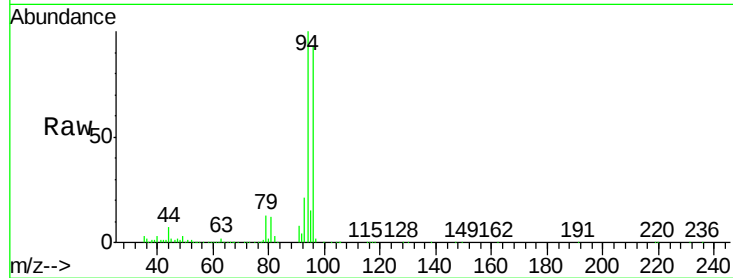
96 92.4 73.5 110.3

Manual Integrations

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5/6/2019 9:28:43 AM



#6

Chloroethane

Concen: 17.786 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX009307.D

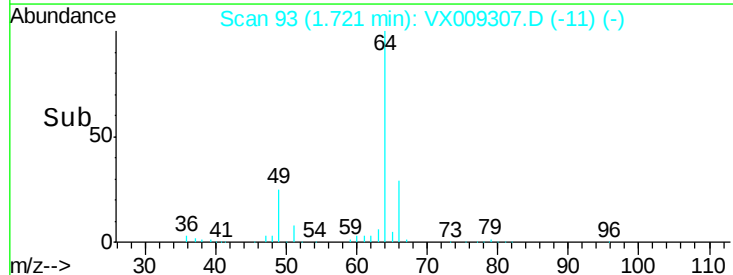
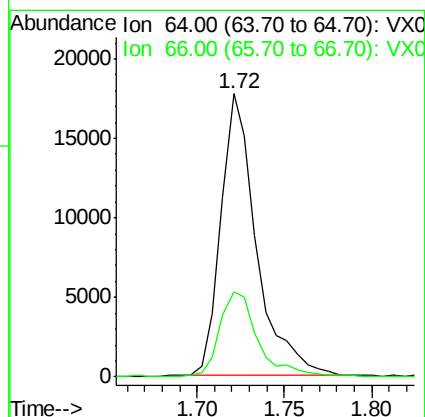
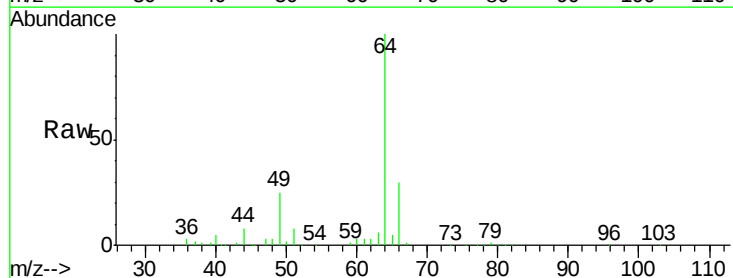
Acq: 03 May 2019 13:33

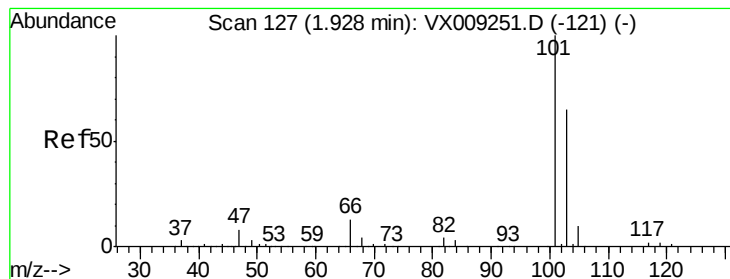
Tgt Ion: 64 Resp: 24933

Ion Ratio Lower Upper

64 100

66 29.7 25.9 38.9





#7

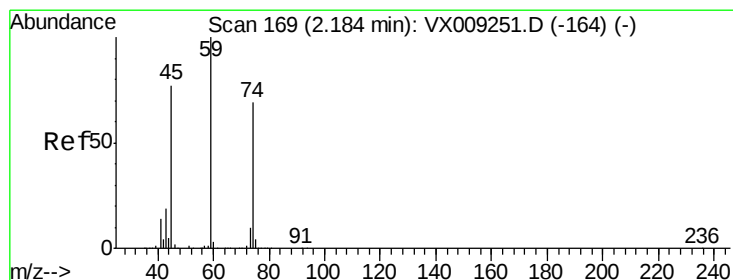
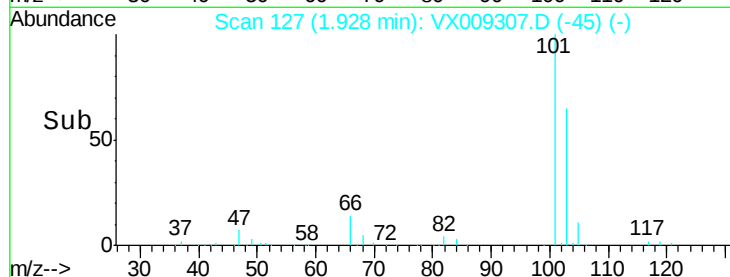
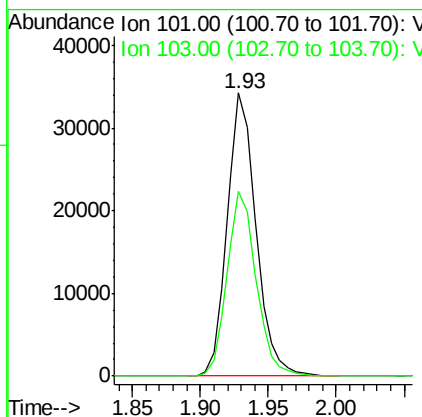
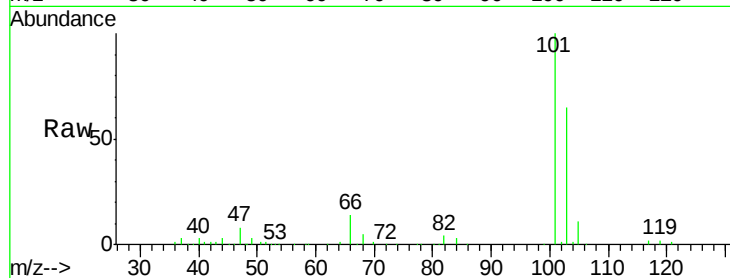
Trichlorofluoromethane
Concen: 19.202 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.9	77.9

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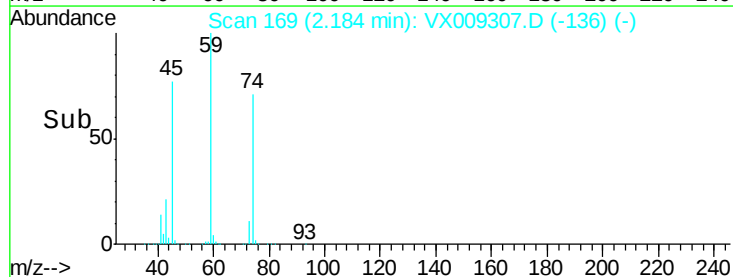
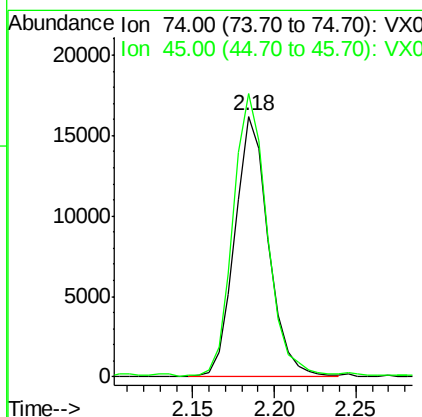
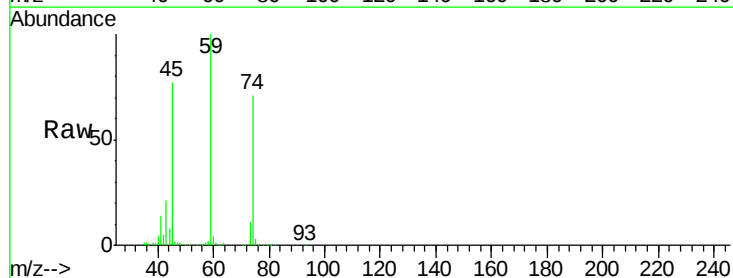
MMDadoda
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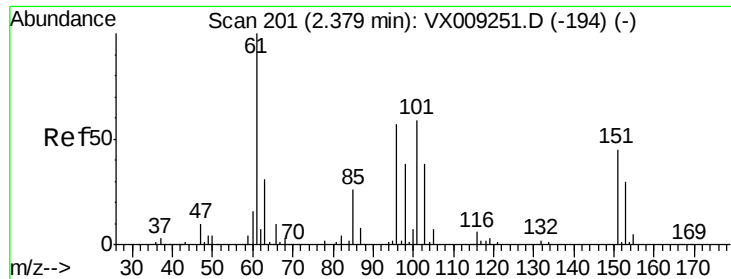


#8

Diethyl Ether
Concen: 19.060 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.5	21.5	193.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.549 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

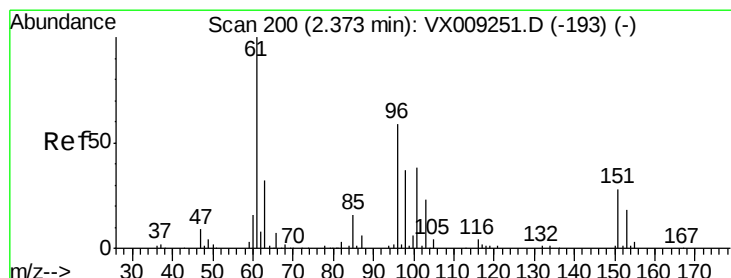
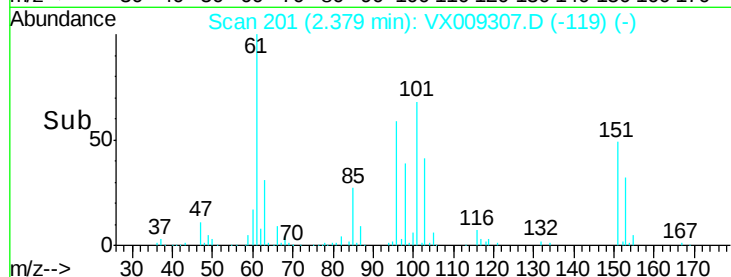
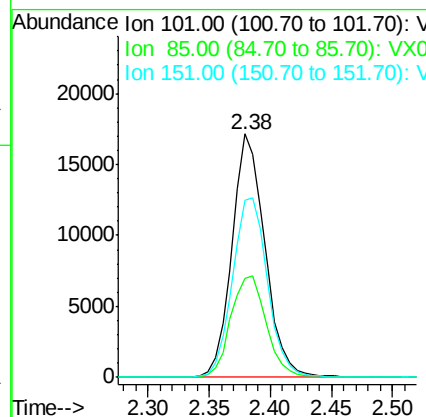
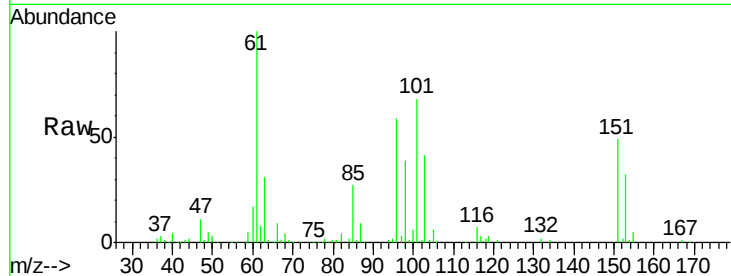
ClientSampled :

VSTDCCC020EC

Tot Ion:	101	Resp:	31947
Ion Ratio	Lower	Upper	
101	100		
85	45.0	0.0	87.4
151	78.4	0.0	157.0

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 19.132 ug/l

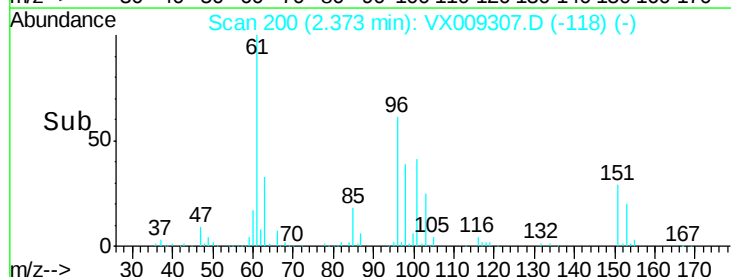
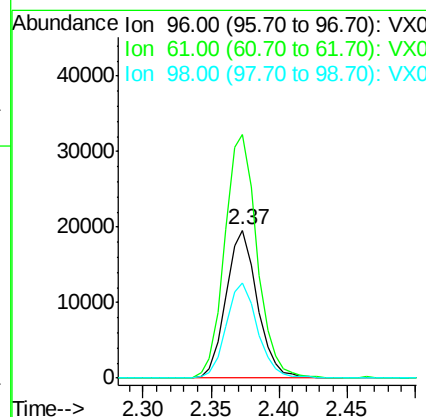
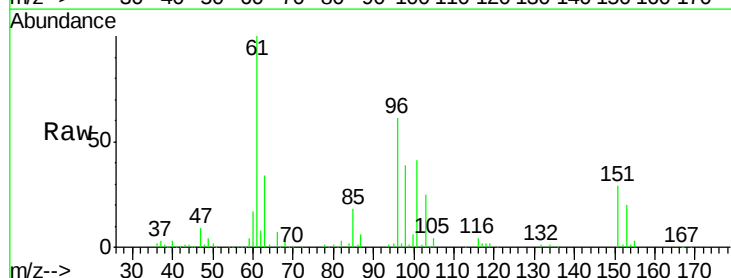
RT: 2.37 min Scan# 200

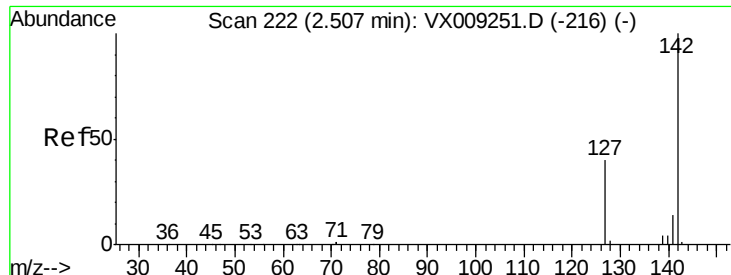
Delta R.T. -0.00 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Tgt Ion:	96	Resp:	31394
Ion Ratio	Lower	Upper	
96	100		
61	164.3	136.5	204.7
98	64.5	51.0	76.4





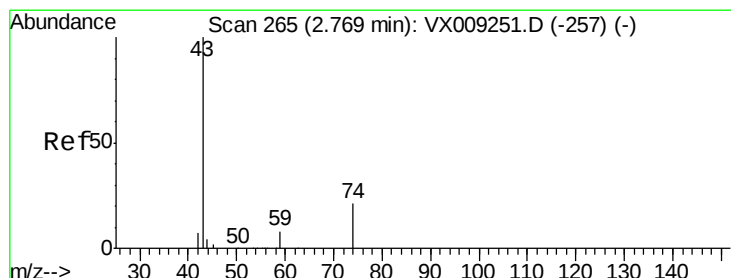
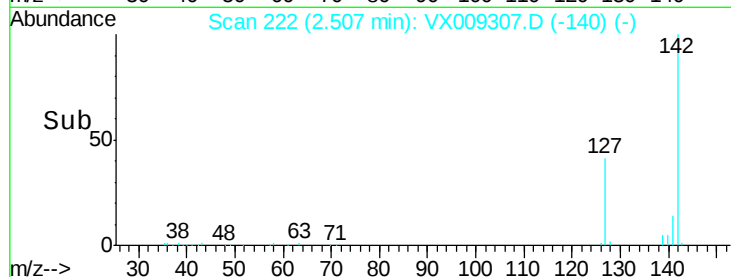
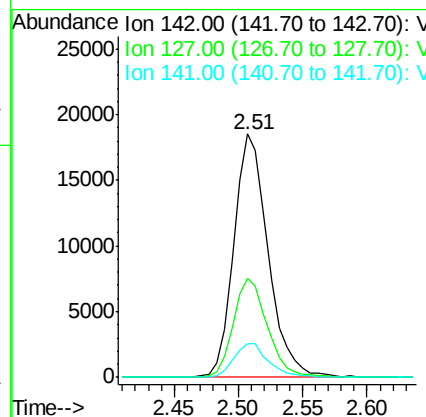
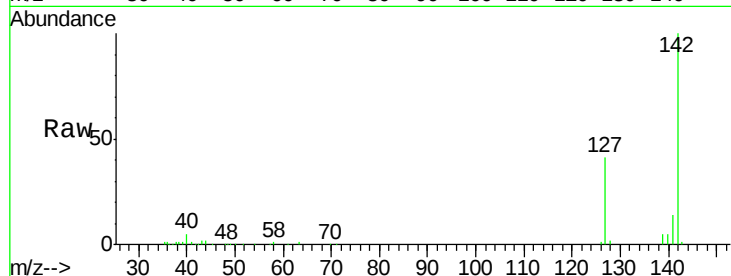
#11
Methvl Iodide
Concen: 19.322 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.9	20.2	60.5
141	14.1	6.9	20.7

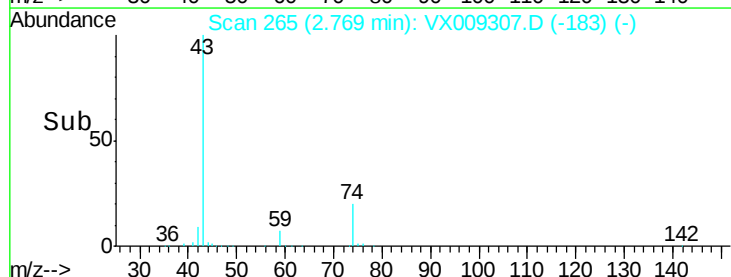
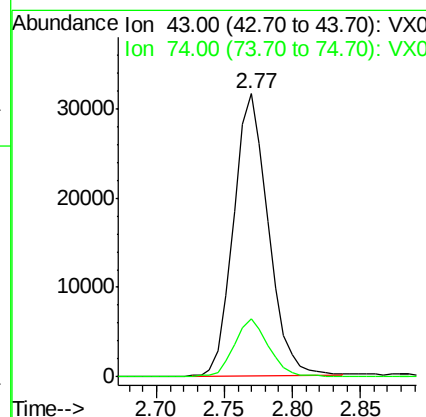
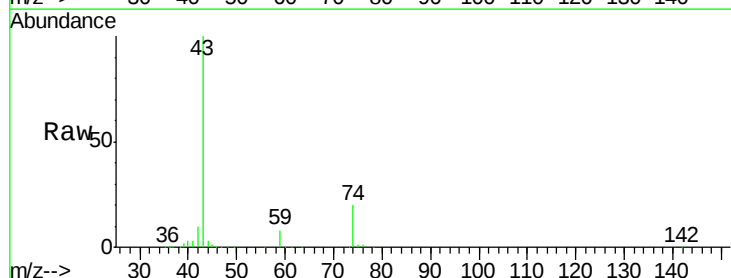
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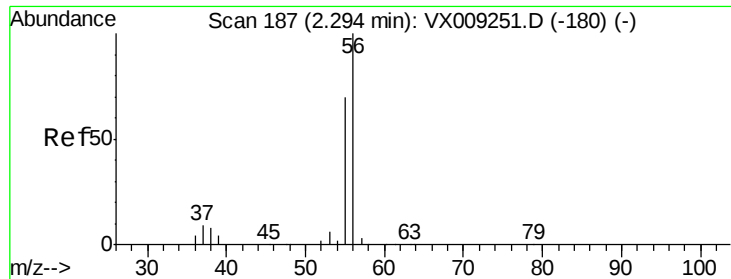
MMDadoda
5/6/2019 9:28:43 AM



#12
Methyl Acetate
Concen: 18.138 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.2	16.5	24.7





#13

Acrolein

Concen: 69.784 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 29582

Ion Ratio Lower Upper

56 100

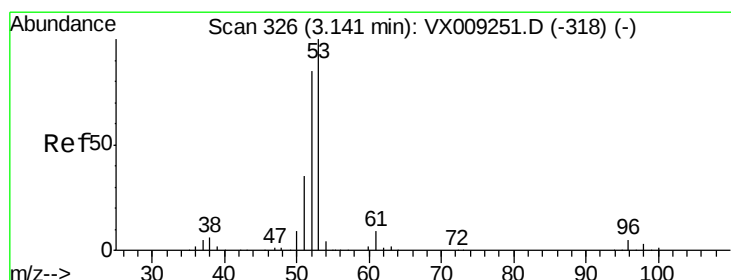
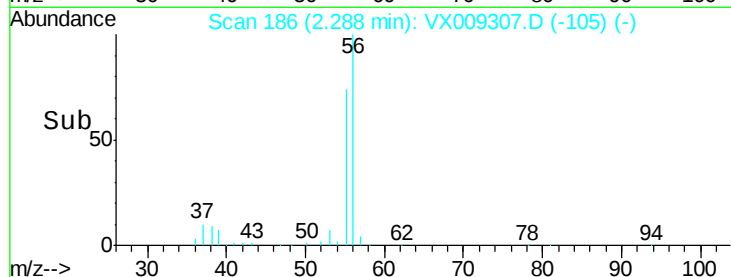
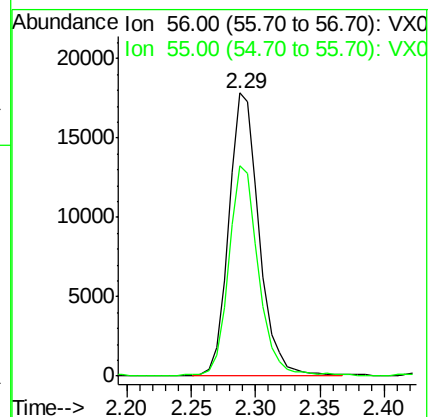
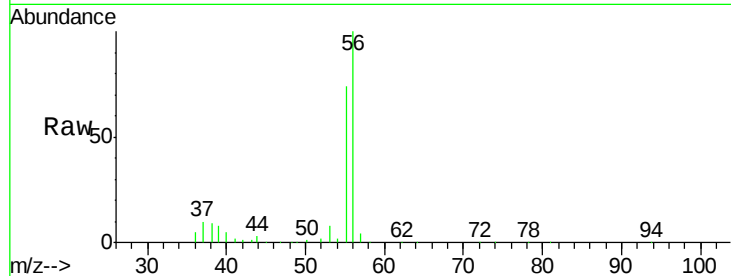
55 72.6 56.9 85.3

Manual Integrations

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#14

Acrylonitrile

Concen: 92.943 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

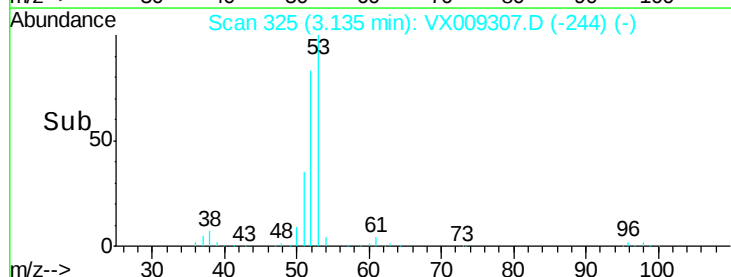
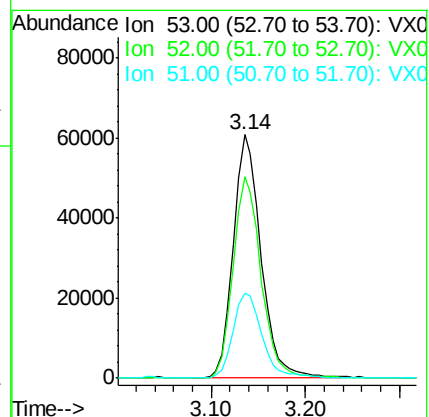
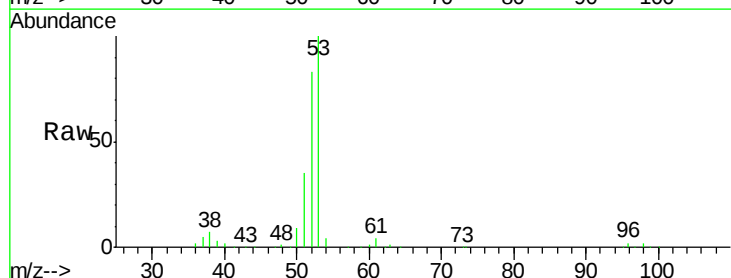
Tgt Ion: 53 Resp: 124666

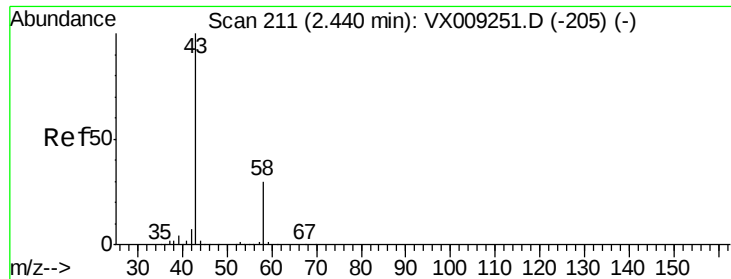
Ion Ratio Lower Upper

53 100

52 83.4 41.5 124.5

51 36.7 17.8 53.3





#15

Acetone

Concen: 90.774 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 34958

Ion Ratio Lower Upper

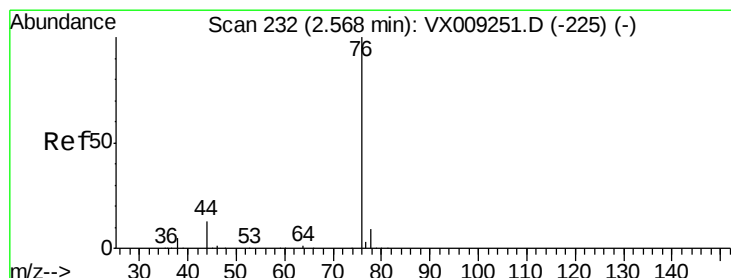
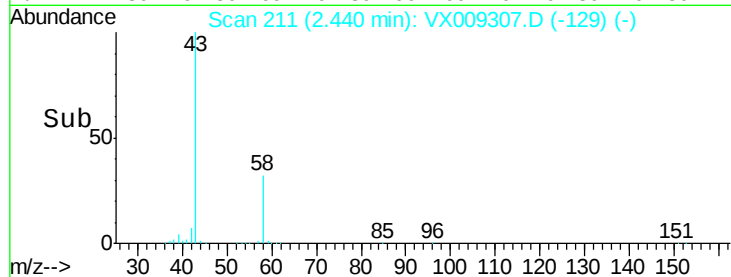
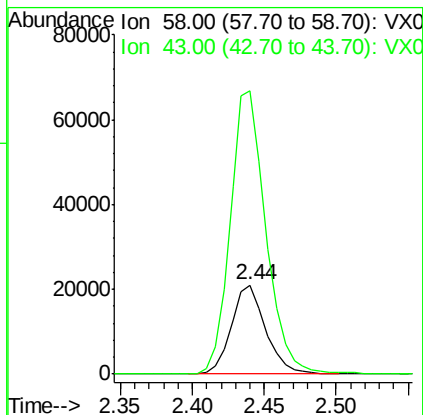
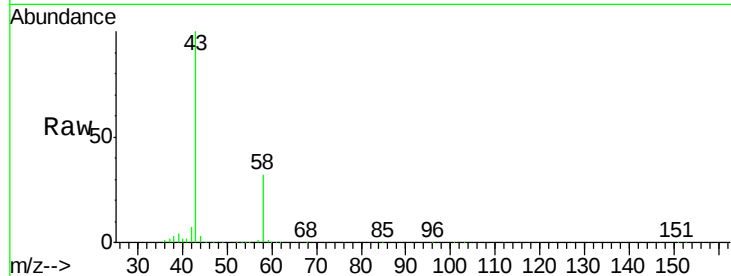
58 100

43 317.7 264.0 396.0

Manual Integrations
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#16

Carbon Disulfide

Concen: 18.878 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009307.D

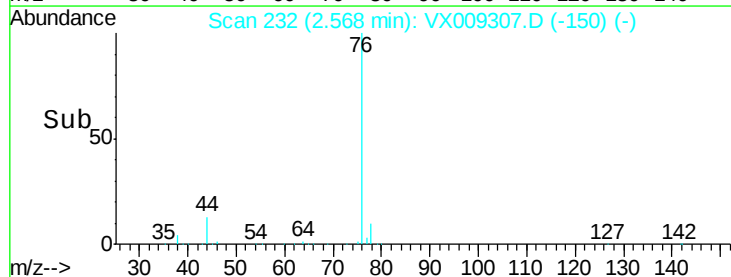
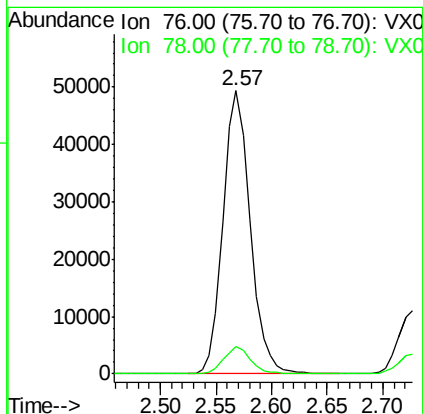
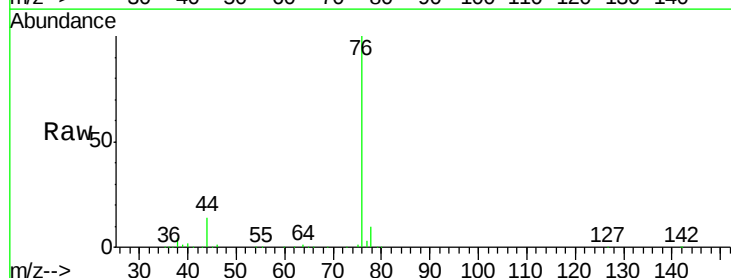
Acq: 03 May 2019 13:33

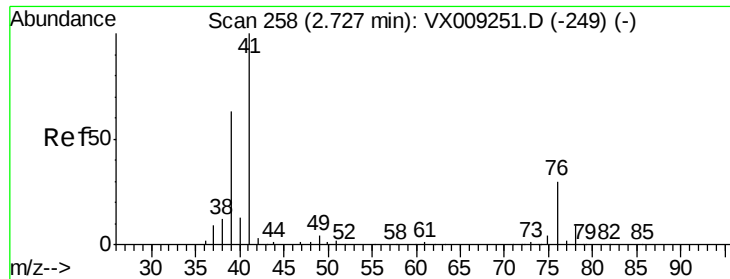
Tgt Ion: 76 Resp: 83815

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.2





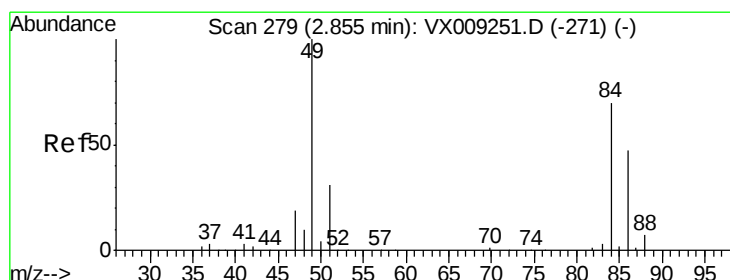
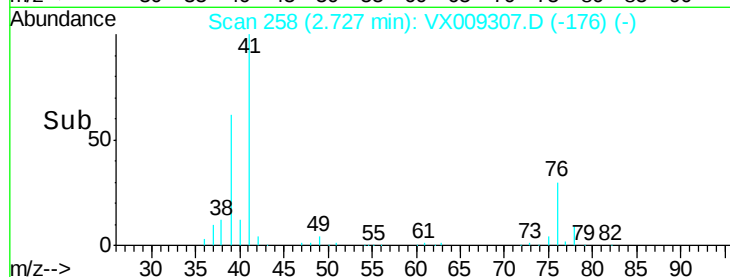
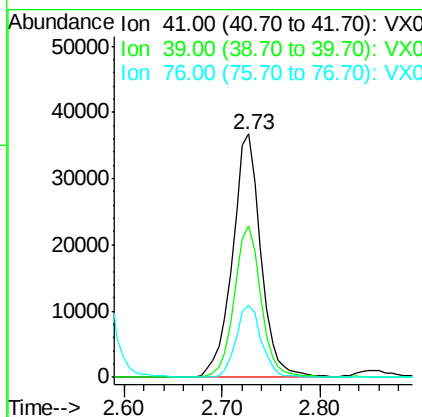
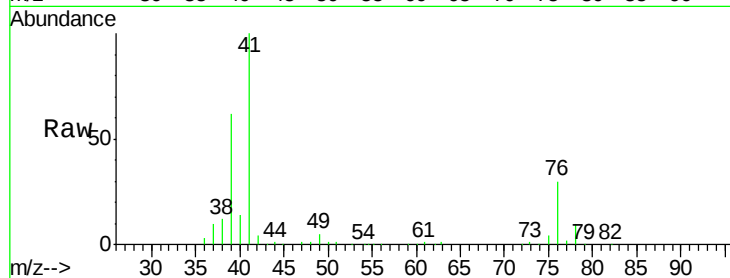
#17
Allvl chloride
Concen: 18.656 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.3	31.6	94.7
76	29.8	15.1	45.3

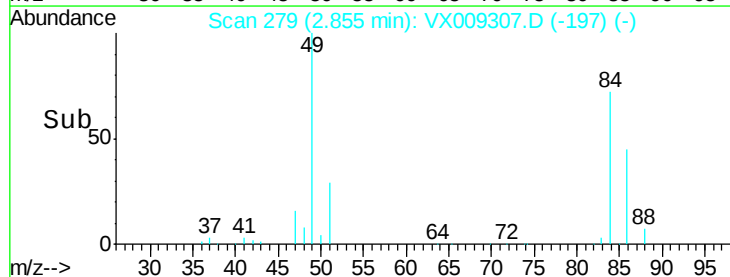
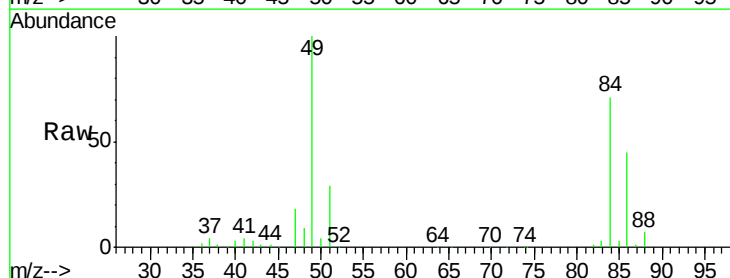
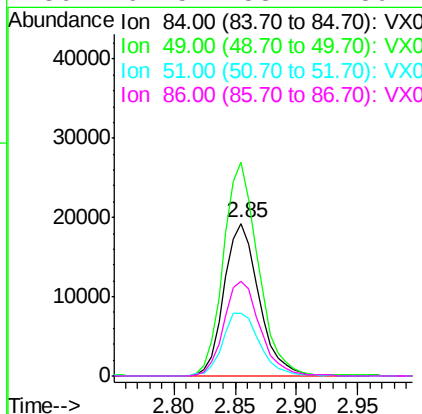
Manual Integrations
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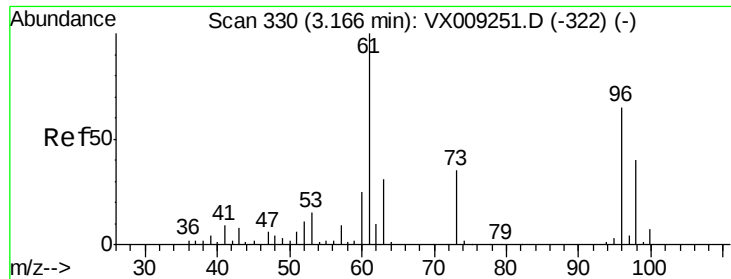
MMDadoda
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#18
Methylene Chloride
Concen: 19.189 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	140.4	114.6	171.8
51	40.8	35.5	53.3
86	62.5	53.4	80.2





#19

trans-1,2-Dichloroethene

Concen: 19.137 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 96 Resp: 33482

Ion Ratio Lower Upper

96 100

61 150.5 122.7 184.1

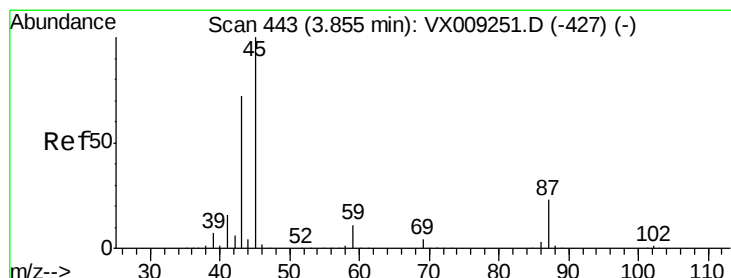
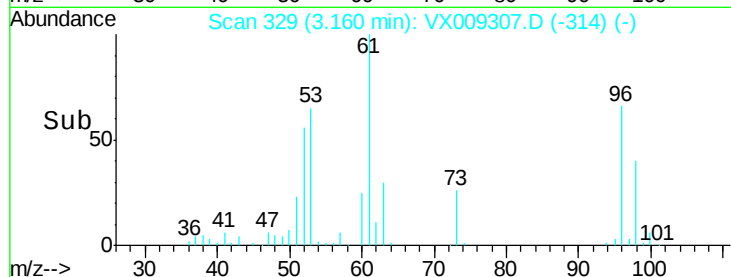
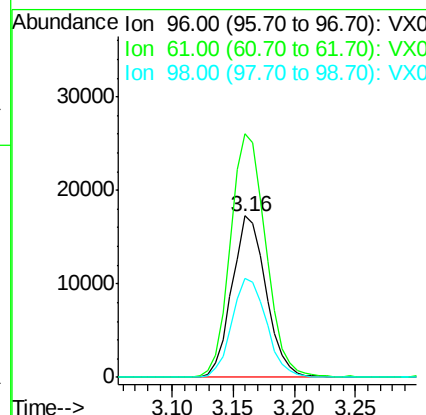
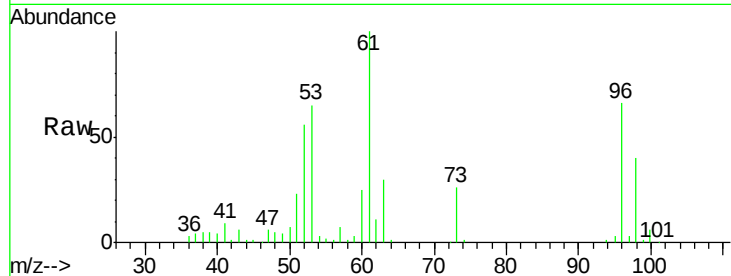
98 61.0 49.5 74.3

Manual Integrations

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#20

Diisopropyl ether

Concen: 19.166 ug/l

RT: 3.85 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Tgt Ion: 45 Resp: 148686

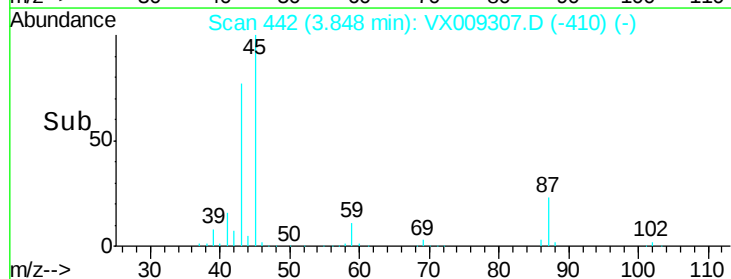
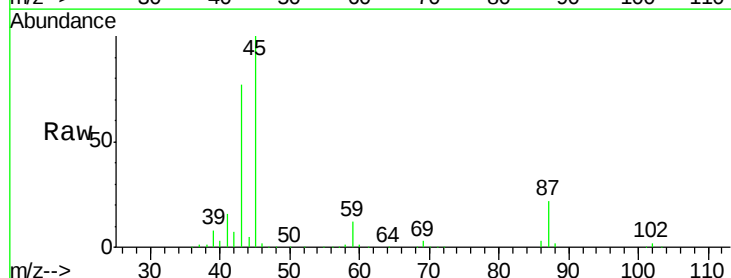
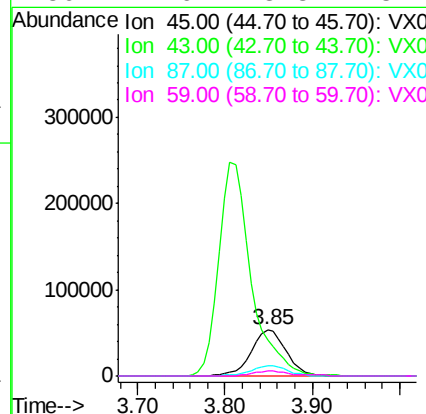
Ion Ratio Lower Upper

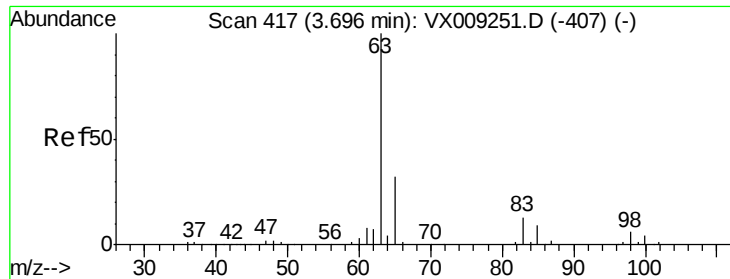
45 100

43 75.4 57.7 86.5

87 22.5 18.5 27.7

59 11.6 8.8 13.2





#21

1,1-Dichloroethane

Concen: 18.955 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

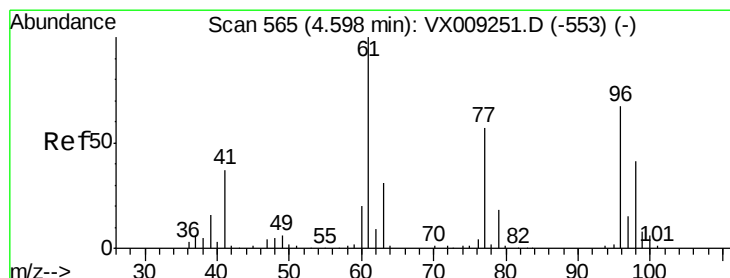
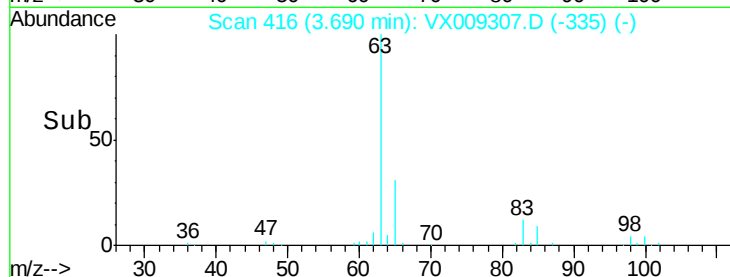
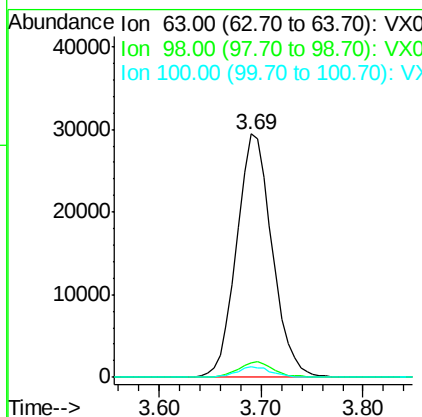
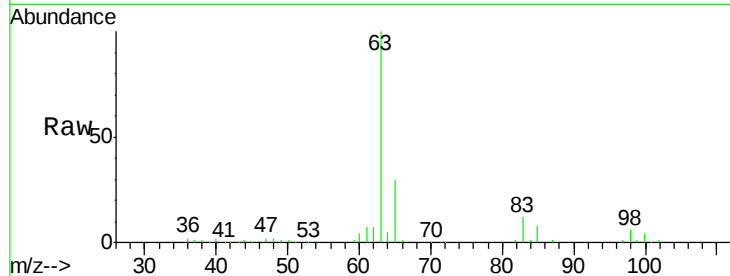
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	71162
Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.1	9.3
100	4.1	2.2	6.6

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#22

cis-1,2-Dichloroethene

Concen: 19.298 ug/l

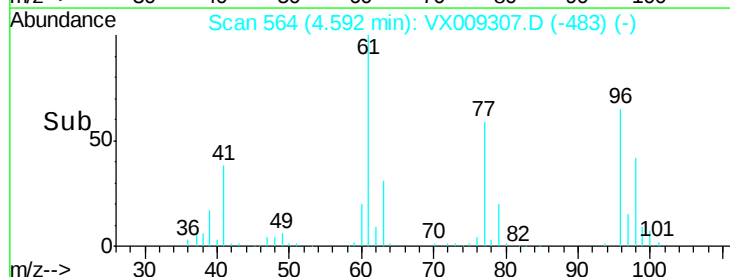
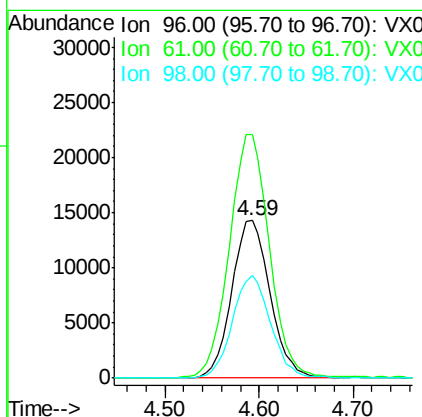
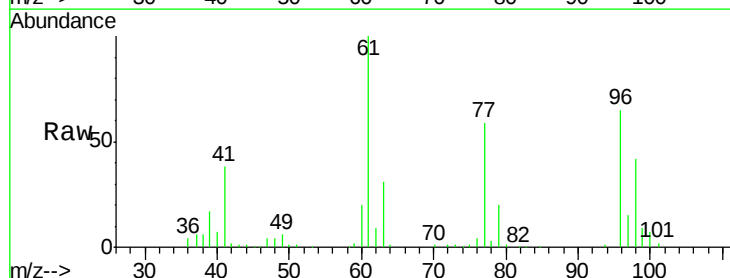
RT: 4.59 min Scan# 564

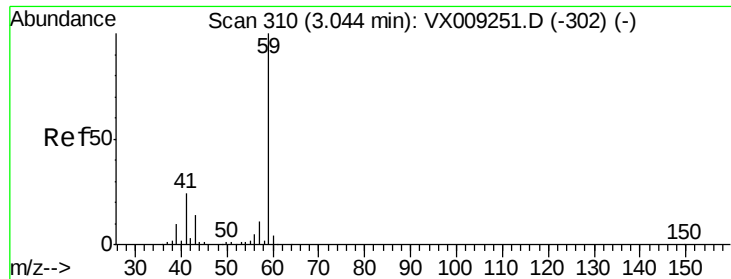
Delta R.T. -0.01 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Tgt Ion:	96	Resp:	40669
Ion	Ratio	Lower	Upper
96	100		
61	161.2	127.7	191.5
98	64.5	50.5	75.7





#23

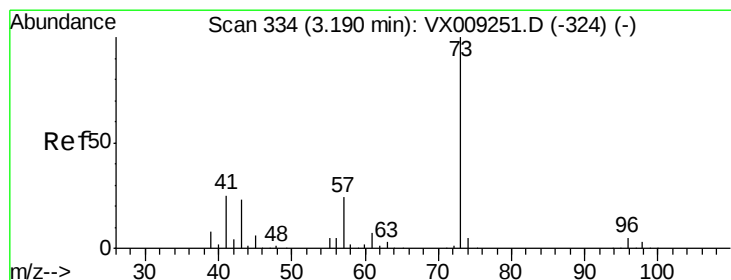
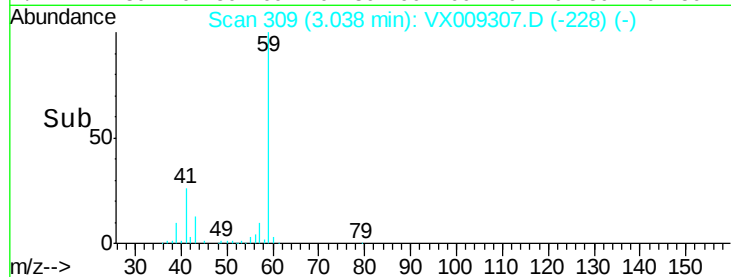
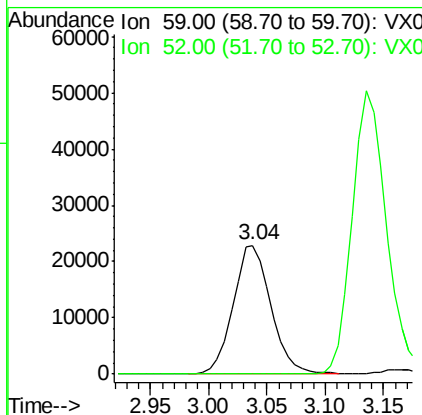
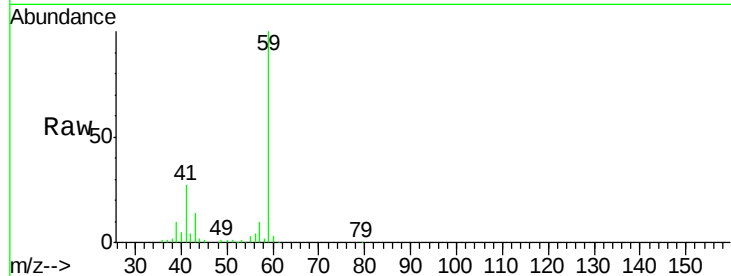
tert-Butyl Alcohol
Concen: 91.150 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.01 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	59	52	Ratio	Lower	Upper
59	100				
52	0.3		0.2	0.2#	

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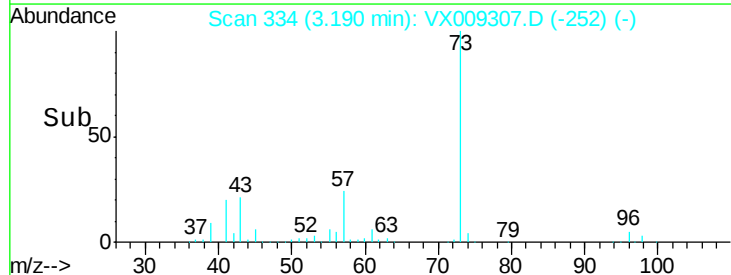
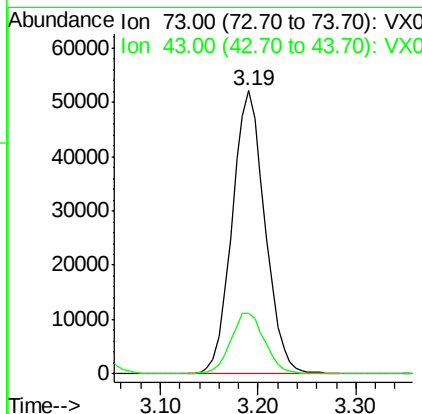
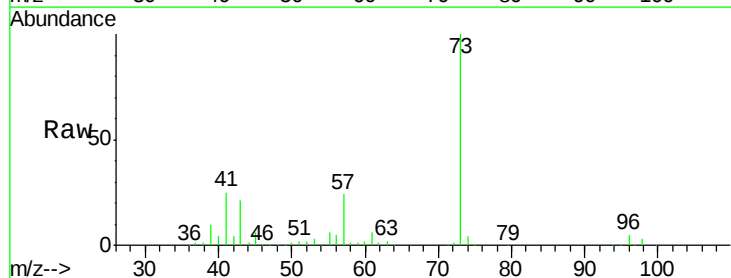
MMDadoda
5/6/2019 9:28:43 AM

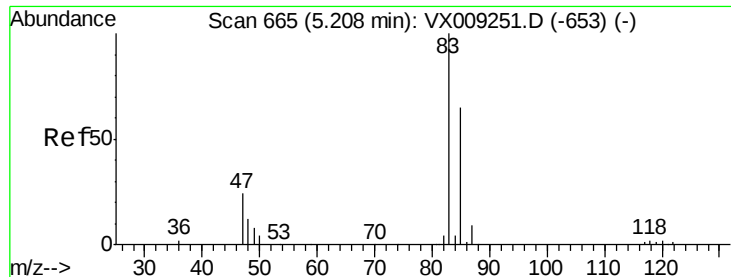


#24

Methyl tert-Butyl Ether
Concen: 18.885 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.00 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

Tgt Ion	73	43	Ratio	Lower	Upper
73	100				
43	22.0		17.6	26.4	





#25

Chloroform

Concen: 19.156 ug/l

RT: 5.21 min Scan# 665

Delta R.T. 0.00 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 83 Resp: 65630

Ion Ratio Lower Upper

83 100

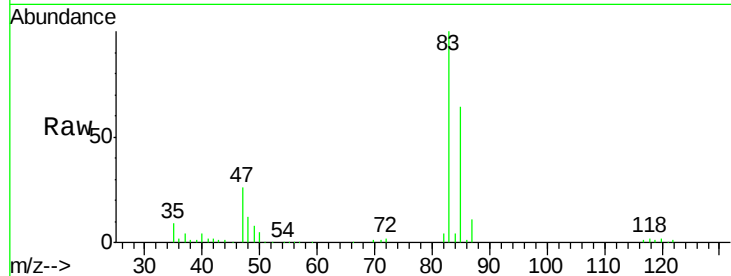
85 63.7 51.9 77.9

Manual Integrations

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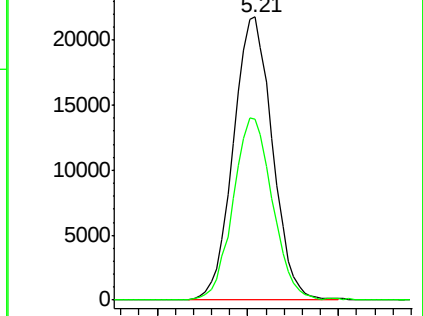
MMDadoda

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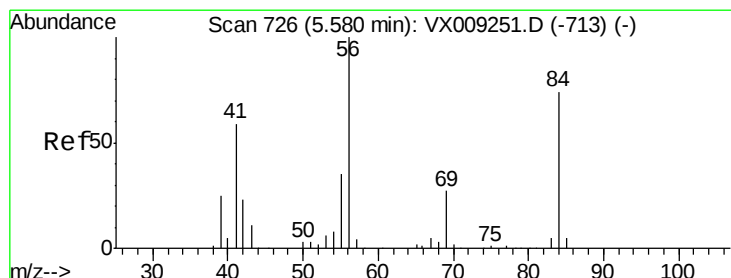
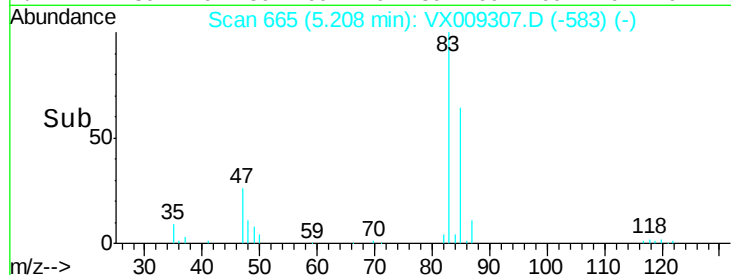


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



Time-->



#26

Cyclohexane

Concen: 19.222 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

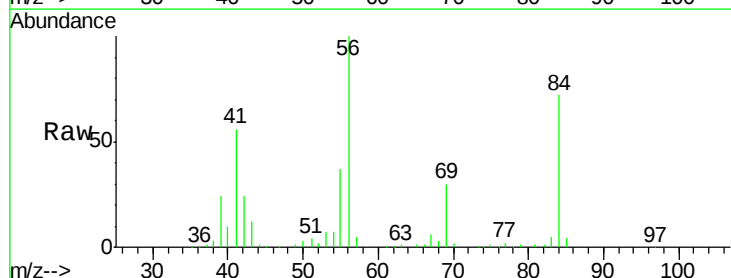
Tgt Ion: 56 Resp: 67259

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

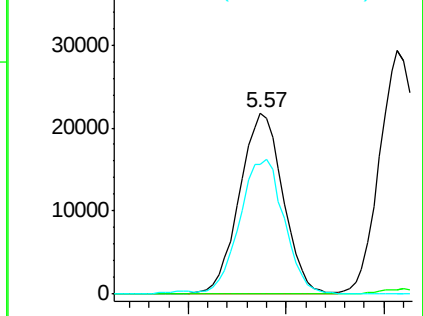
84 75.9 59.7 89.5



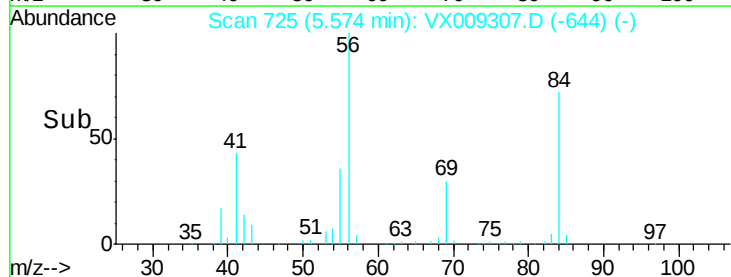
Abundance Ion 56.00 (55.70 to 56.70): VX0

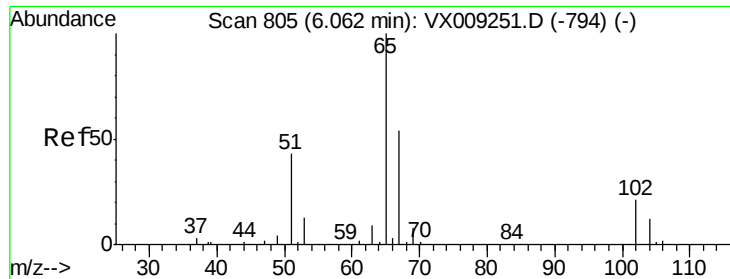
Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



Time-->





#27

1,2-Dichloroethane-d4

Concen: 28.791 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Tot Ion: 65 Resp: 71649

Ion Ratio Lower Upper

65 100

67 54.2 43.1 64.7

Instrument :

MSVOA_X

ClientSampleId :

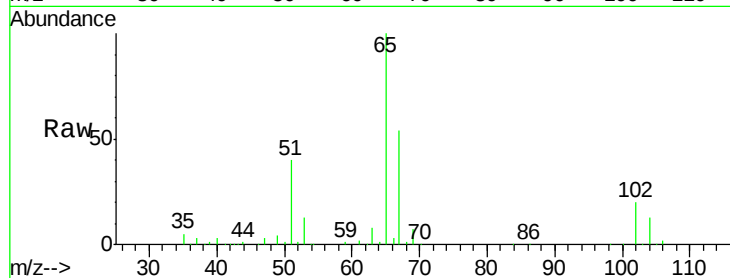
VSTDCCC020EC

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Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

6.06

30000

25000

20000

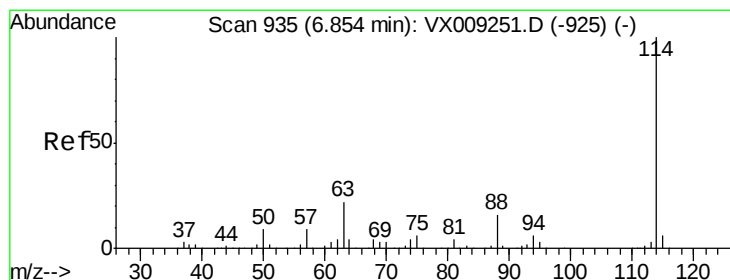
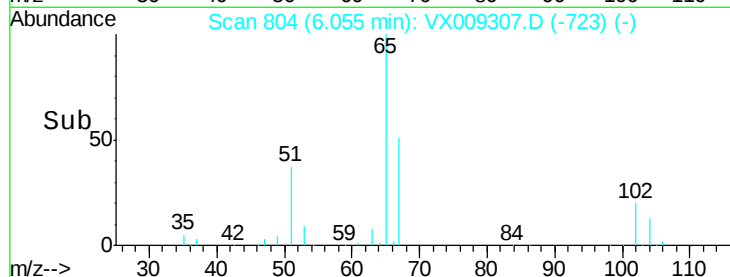
15000

10000

5000

0

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.00 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

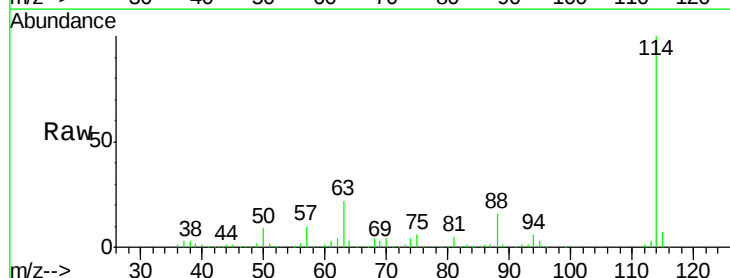
Tgt Ion: 114 Resp: 171559

Ion Ratio Lower Upper

114 100

63 22.5 18.0 27.0

88 16.2 13.4 20.0



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

6.85

100000

80000

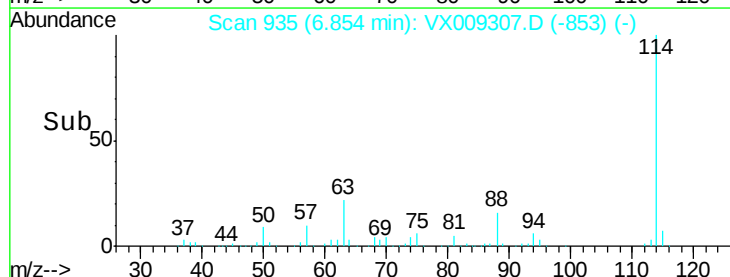
60000

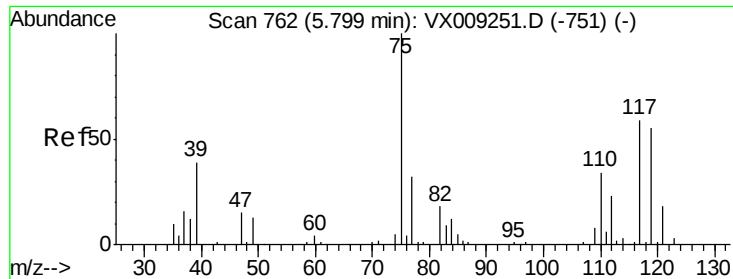
40000

20000

0

Time-->





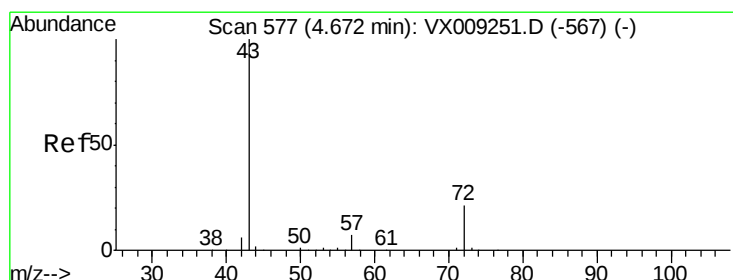
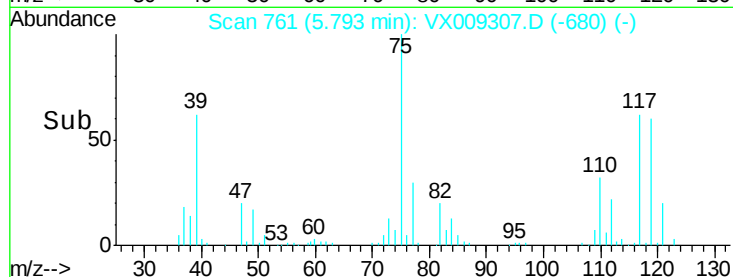
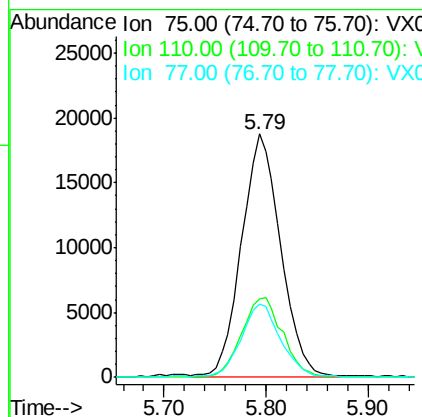
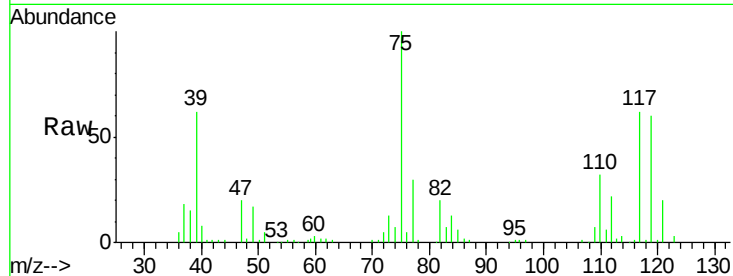
#29
 1,1-Dichloropropene
 Concen: 19.946 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX009307.D
 Acq: 03 May 2019 13:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
110	34.2	0.0	66.4
77	30.4	0.0	62.2

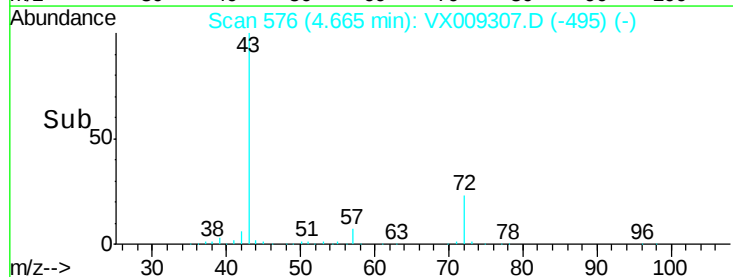
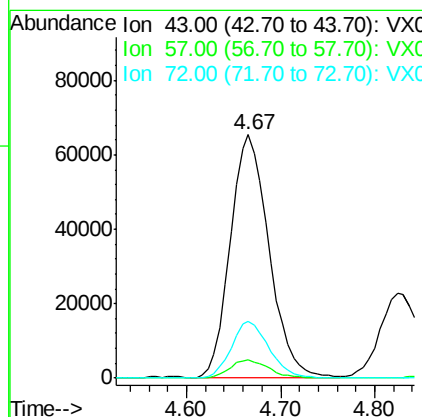
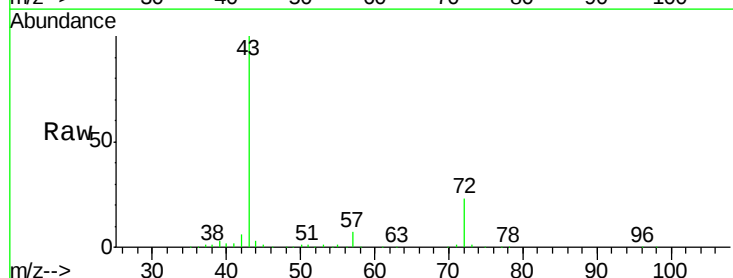
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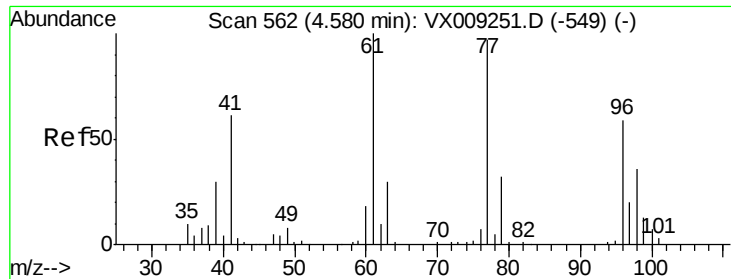
MMDadoda
 5/6/2019 9:28:43 AM



#30
 2-Butanone
 Concen: 94.201 ug/l
 RT: 4.67 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: VX009307.D
 Acq: 03 May 2019 13:33

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.7	6.0	9.0
72	23.2	18.2	27.4





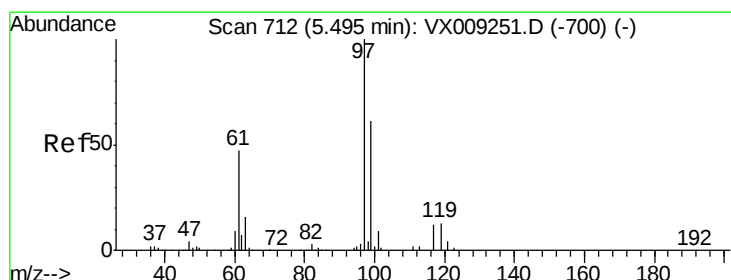
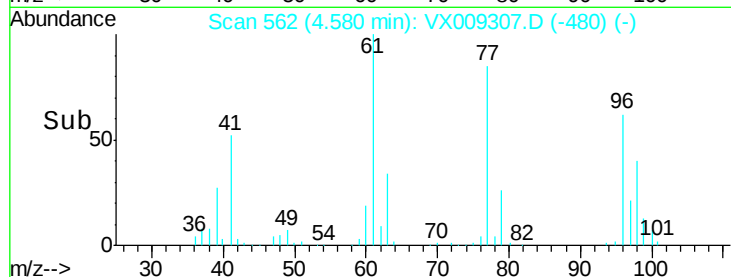
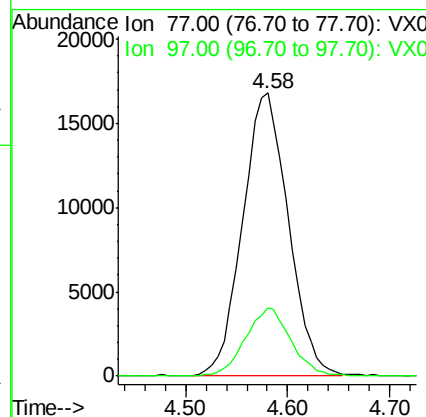
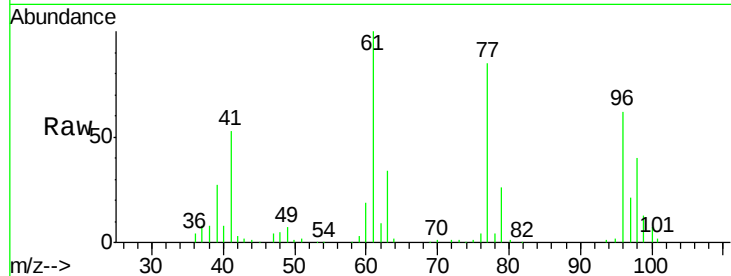
#31
 2,2-Dichloropropane
 Concen: 18.853 ug/l
 RT: 4.58 min Scan# 562
 Delta R.T. -0.00 min
 Lab File: VX009307.D
 Acq: 03 May 2019 13:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
77	100		
97	23.8	18.3	27.5

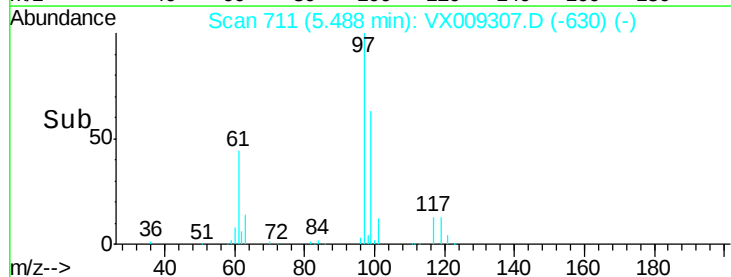
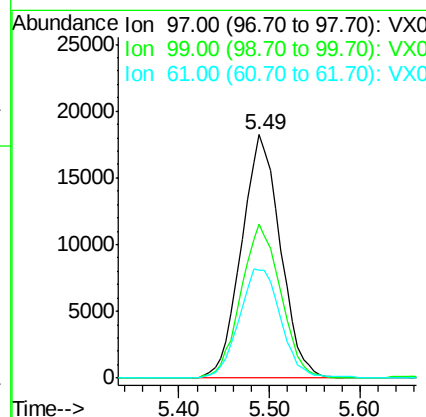
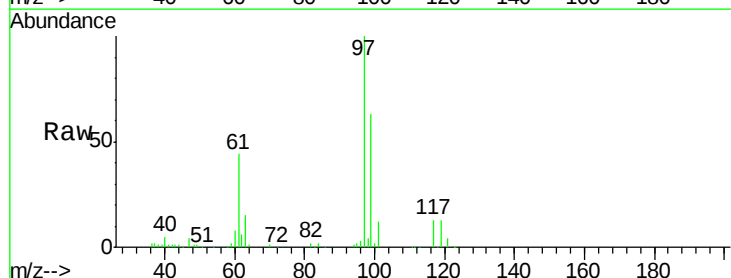
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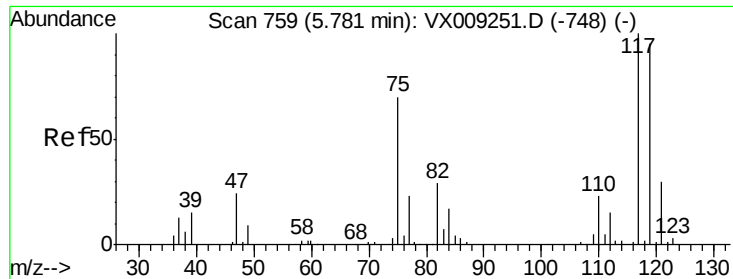
MMDadoda
 5/6/2019 9:28:43 AM



#32
 1,1,1-Trichloroethane
 Concen: 19.850 ug/l
 RT: 5.49 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VX009307.D
 Acq: 03 May 2019 13:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	53.9	80.9
61	48.0	38.6	58.0





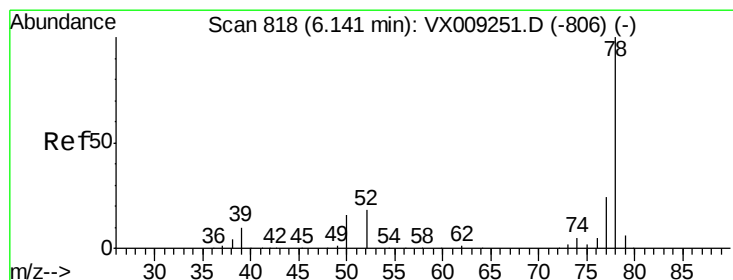
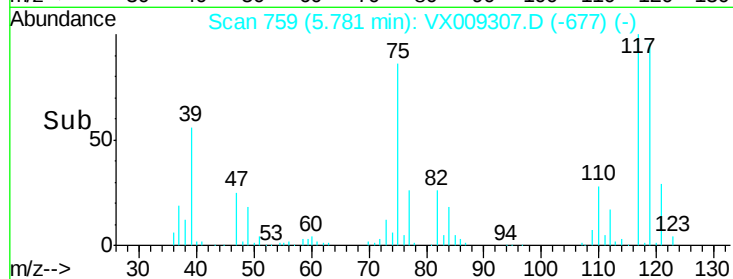
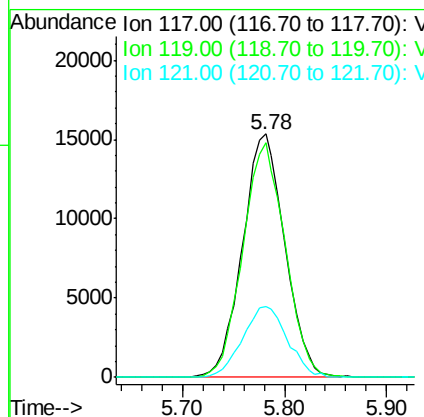
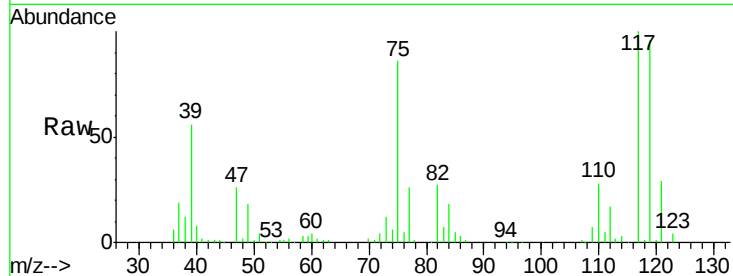
#33
Carbon Tetrachloride
Concen: 19.429 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.1	114.1
121	29.2	24.4	36.6

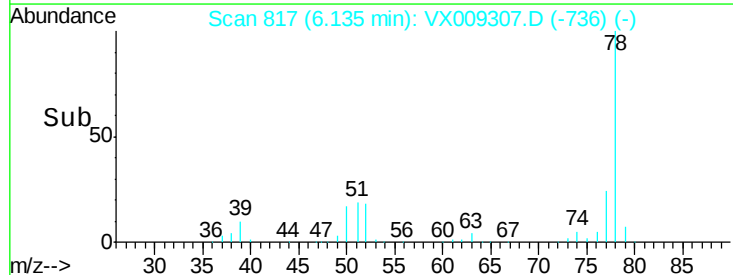
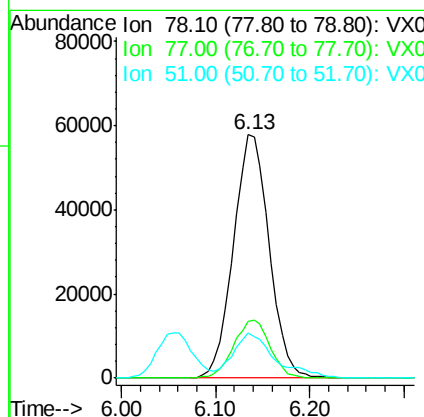
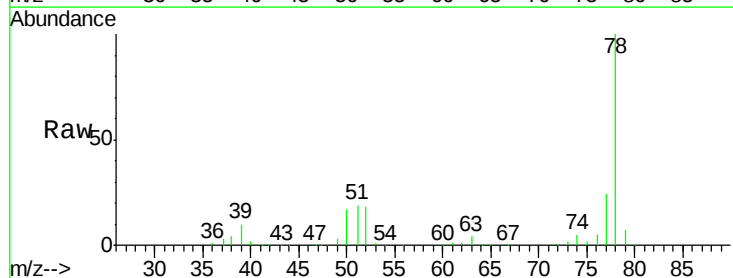
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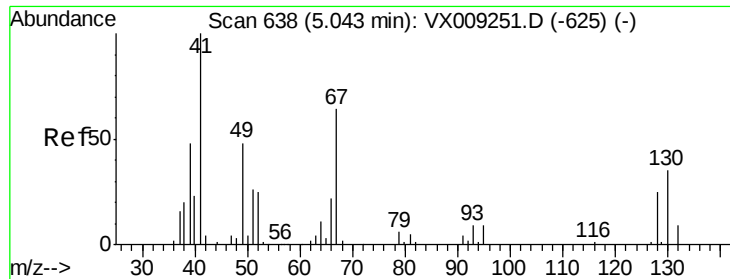
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5/6/2019 9:28:43 AM



#34
Benzene
Concen: 19.755 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2
51	18.1	13.5	20.3





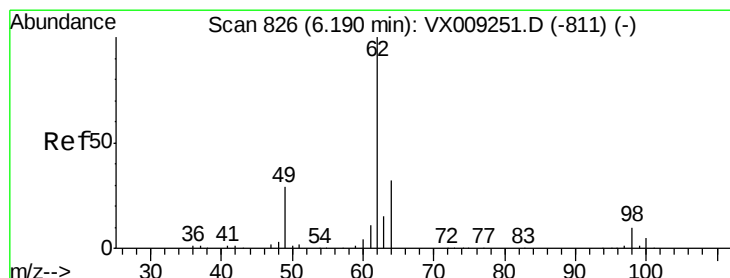
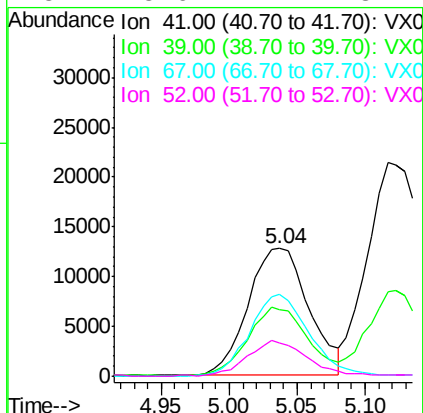
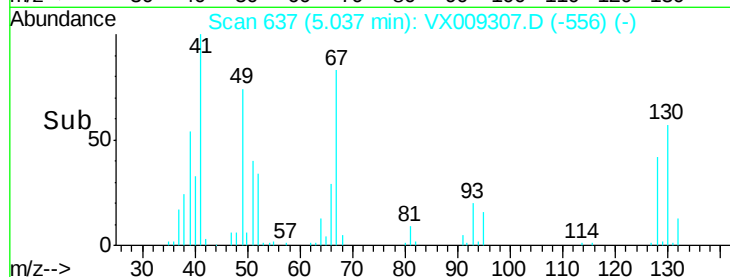
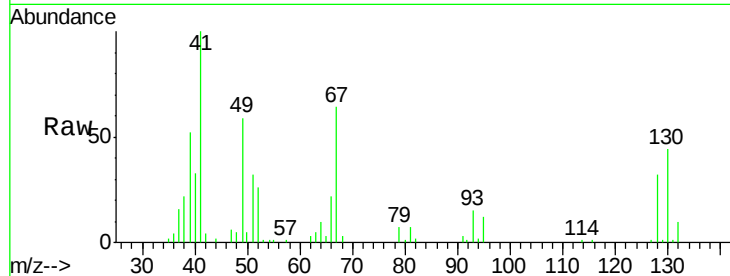
#35
Methacrylonitrile
Concen: 19.349 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.5	24.1	72.3	
67	64.5	32.2	96.6	
52	25.6	12.4	37.4	

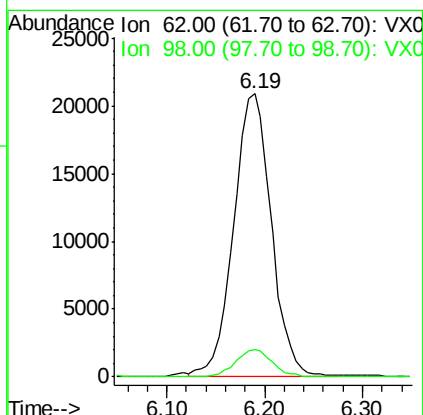
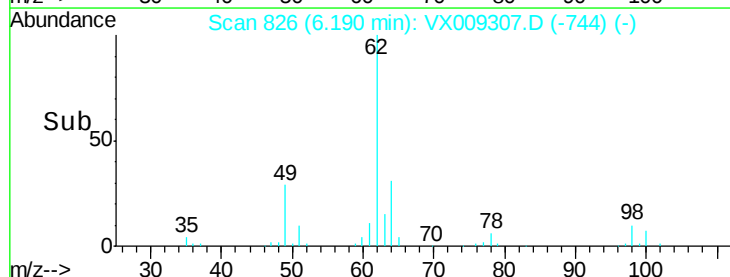
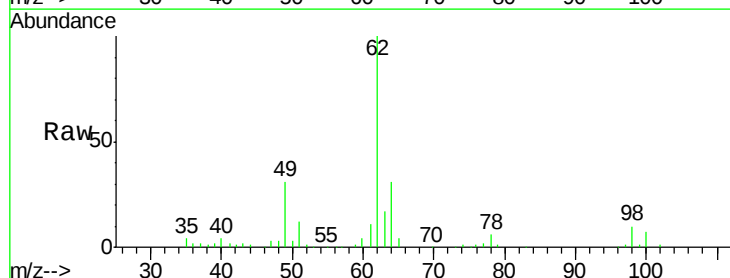
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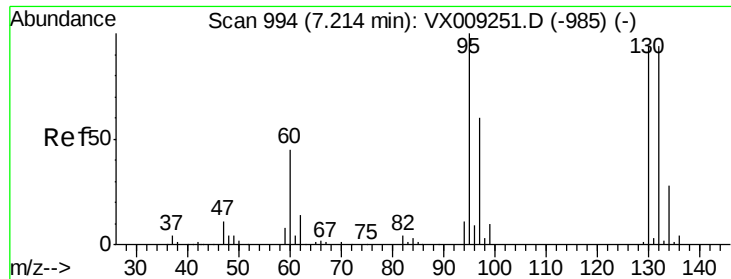
MMDadoda
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#36
1,2-Dichloroethane
Concen: 19.880 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	7.4	11.2	





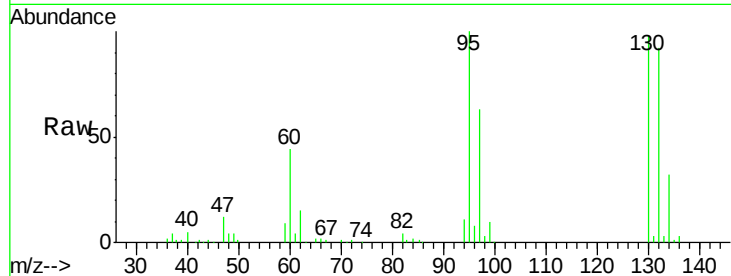
#37
 Trichloroethene
 Concen: 19.793 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX009307.D
 Acq: 03 May 2019 13:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

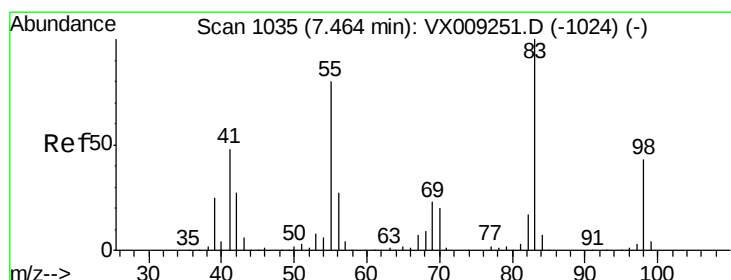
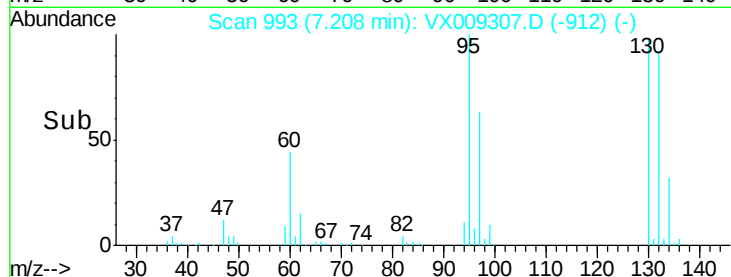
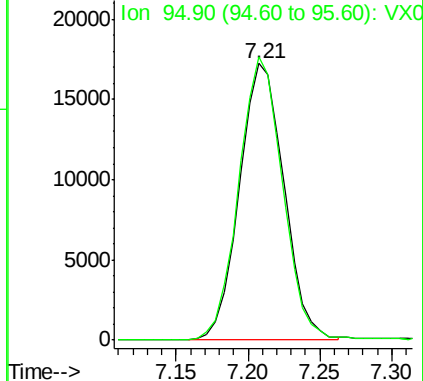
Tot Ion:130 Resp: 36978
 Ion Ratio Lower Upper
 130 100
 95 102.0 85.0 127.4

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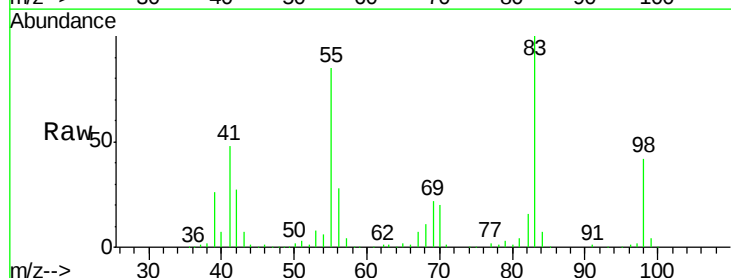


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

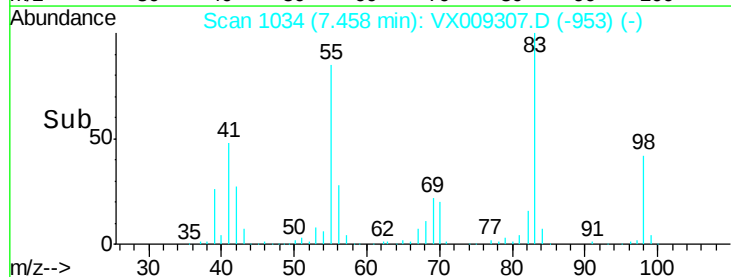
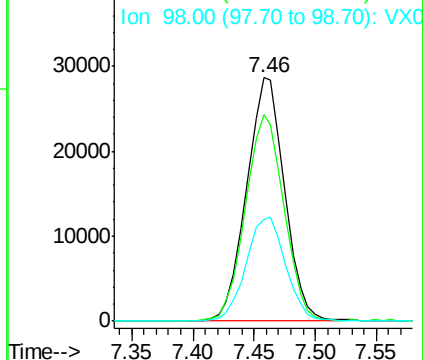


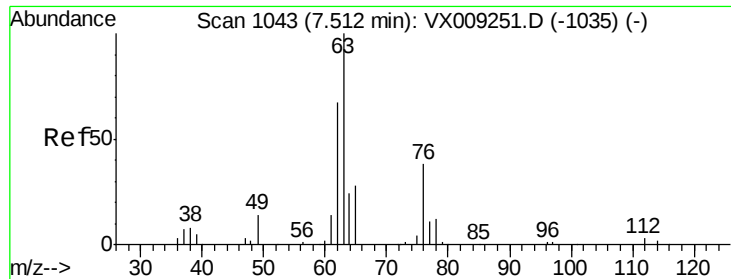
#38
 Methylcyclohexane
 Concen: 19.922 ug/l
 RT: 7.46 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: VX009307.D
 Acq: 03 May 2019 13:33

Tgt Ion: 83 Resp: 61960
 Ion Ratio Lower Upper
 83 100
 55 85.8 43.0 129.2
 98 44.7 22.1 66.1



Abundance Ion 83.00 (82.70 to 83.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0
 Ion 98.00 (97.70 to 98.70): VX0





#39

1,2-Dichloropropane

Concen: 19.951 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 63 Resp: 44093

Ion Ratio Lower Upper

63 100

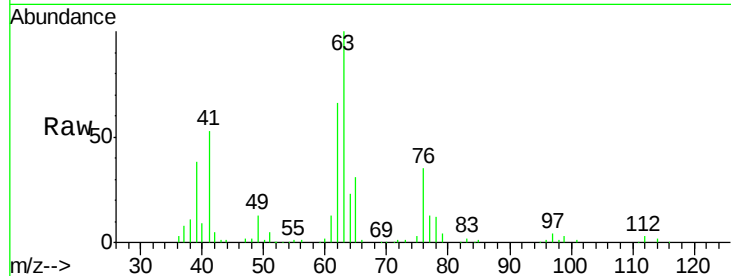
65 30.7 24.0 36.0

Manual Integrations

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Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0

25000

20000

15000

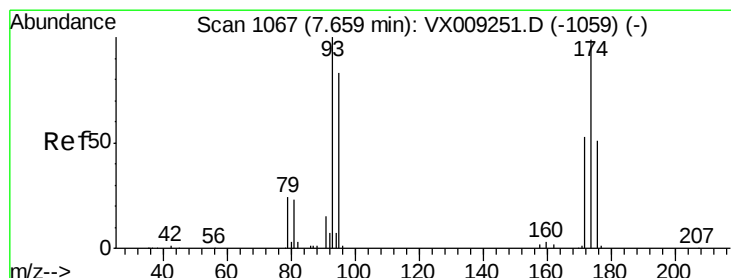
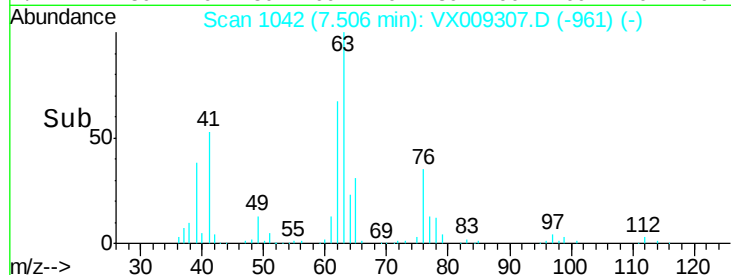
10000

5000

0

7.40 7.45 7.50 7.55 7.60

Time-->



#40

Dibromomethane

Concen: 19.725 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

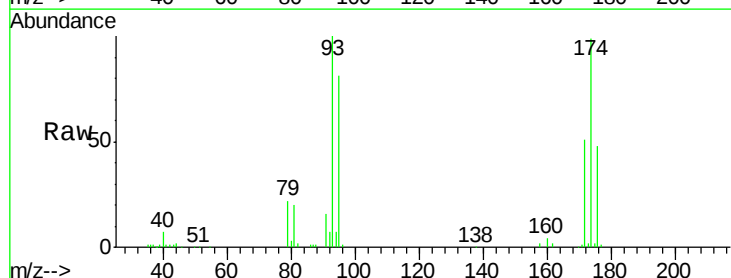
Tgt Ion: 93 Resp: 24742

Ion Ratio Lower Upper

93 100

95 84.2 0.0 167.2

174 101.8 0.0 203.4



Abundance Ion 93.00 (92.70 to 93.70): VX0

Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V

15000

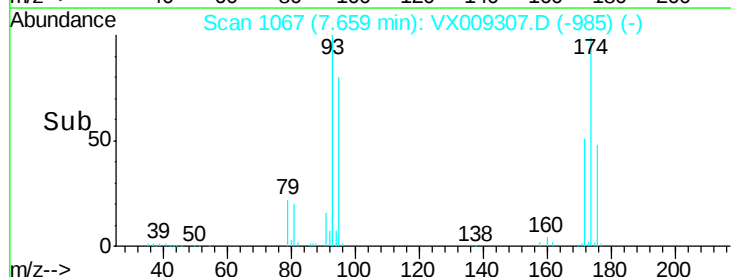
10000

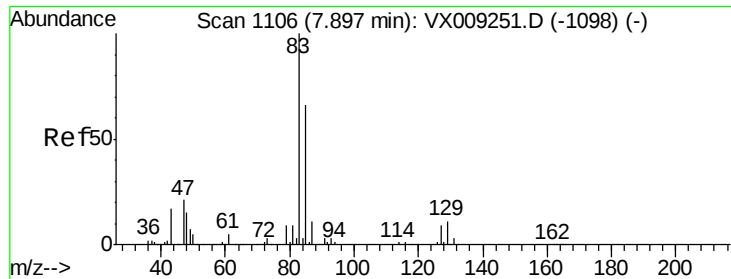
5000

0

7.60 7.65 7.70 7.75

Time-->





#41

Bromodichloromethane

Concen: 19.569 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

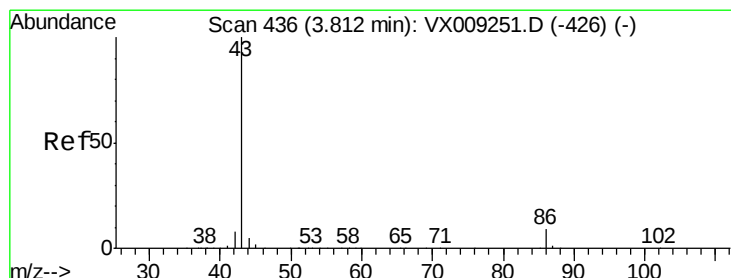
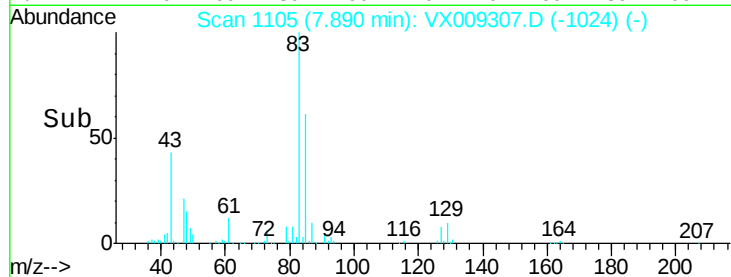
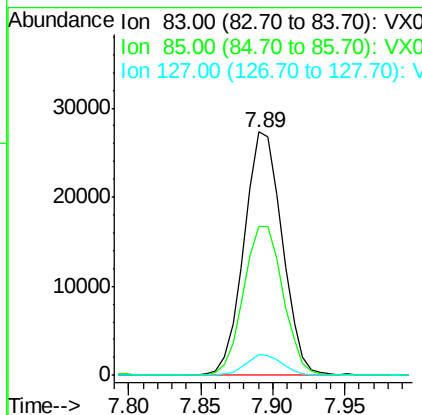
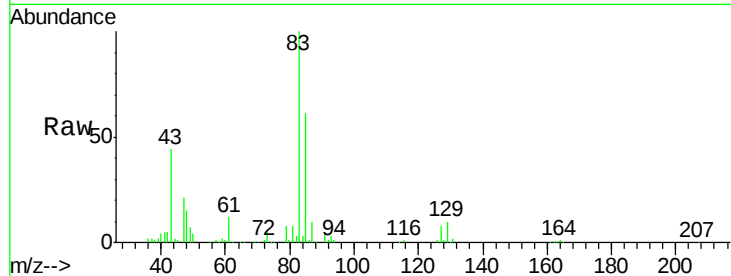
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	50141
Ion Ratio	Lower	Upper	
83	100		
85	61.4	52.6	79.0
127	8.4	6.9	10.3

Manual Integrations
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#42

Vinyl Acetate

Concen: 98.489 ug/l

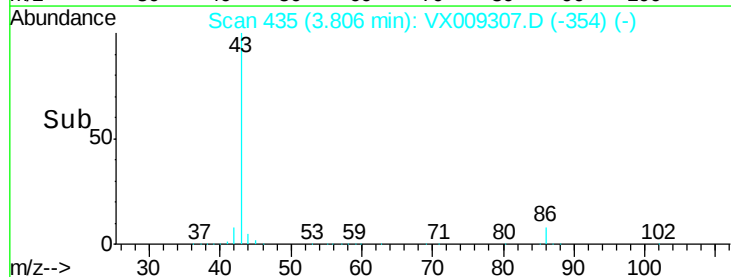
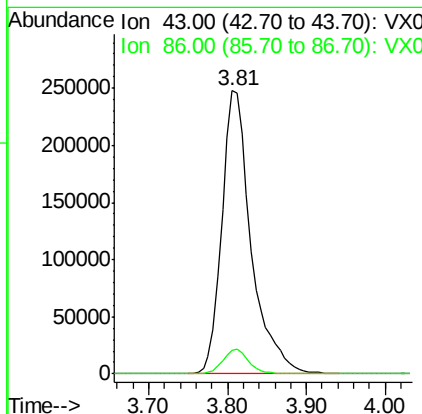
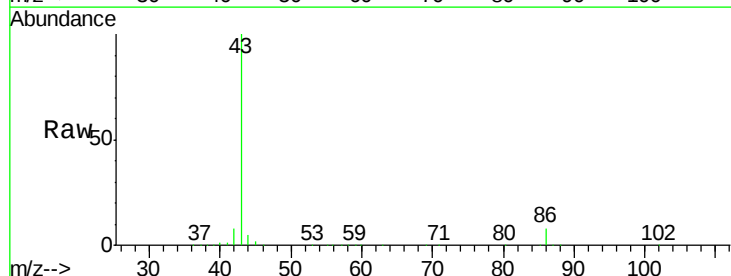
RT: 3.81 min Scan# 435

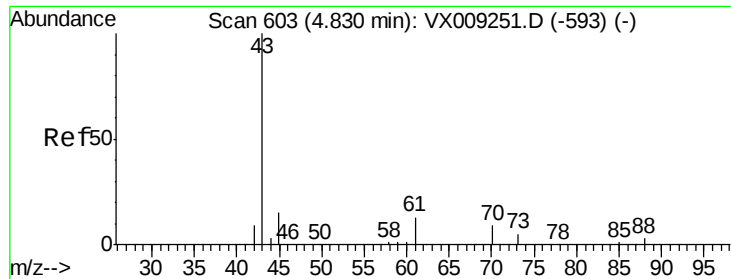
Delta R.T. -0.01 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Tgt Ion:	43	Resp:	640834
Ion Ratio	Lower	Upper	
43	100		
86	7.7	6.0	9.0





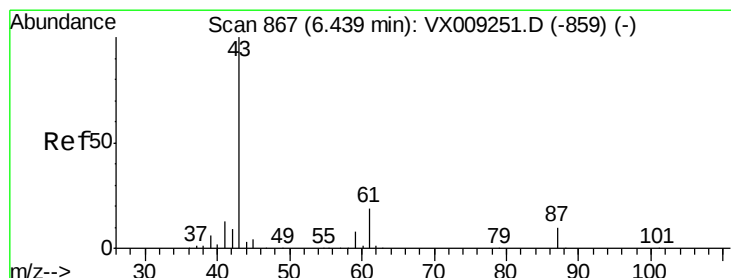
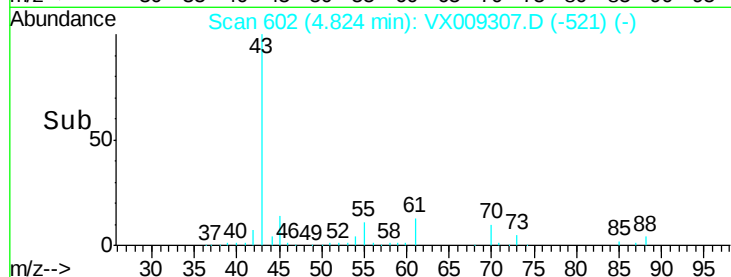
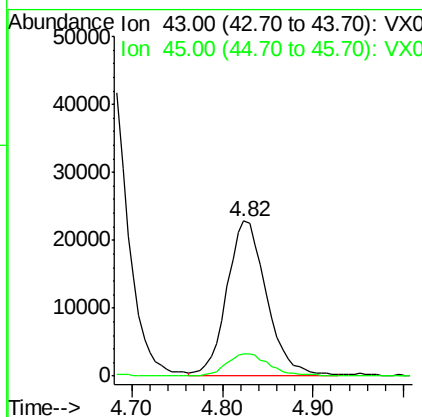
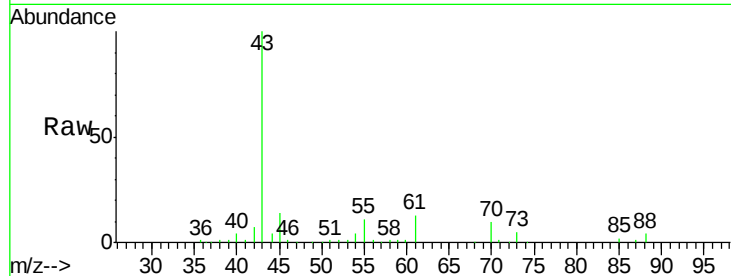
#43
Ethyl Acetate
Concen: 19.362 ug/l
RT: 4.82 min Scan# 602
Delta R.T. -0.01 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 68974
Ion Ratio Lower Upper
43 100
45 14.7 11.8 17.8

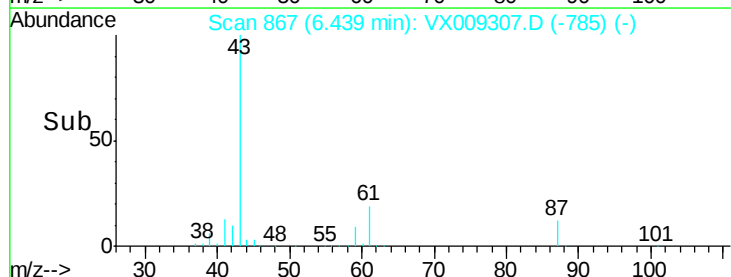
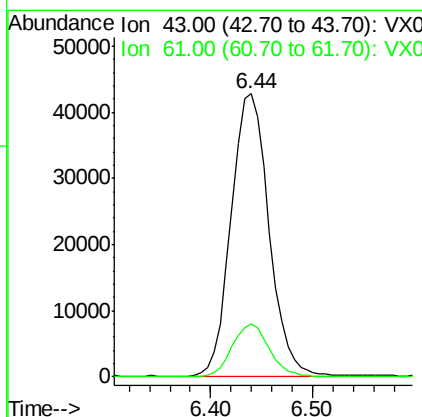
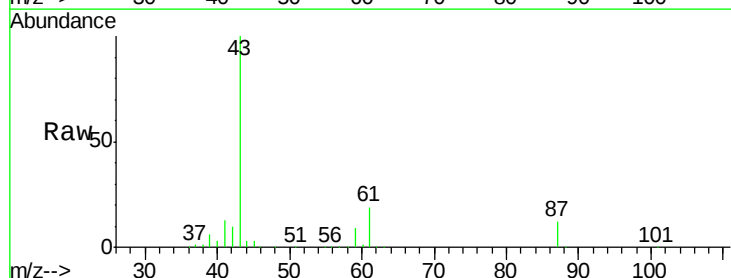
Manual Integrations
APPROVED

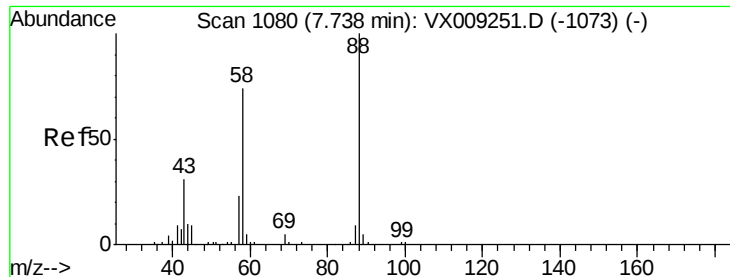
MMDadoda
5/6/2019 9:28:43 AM



#44
Isopropyl Acetate
Concen: 19.098 ug/l
RT: 6.44 min Scan# 867
Delta R.T. 0.00 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

Tgt Ion: 43 Resp: 110214
Ion Ratio Lower Upper
43 100
61 18.5 15.4 23.2





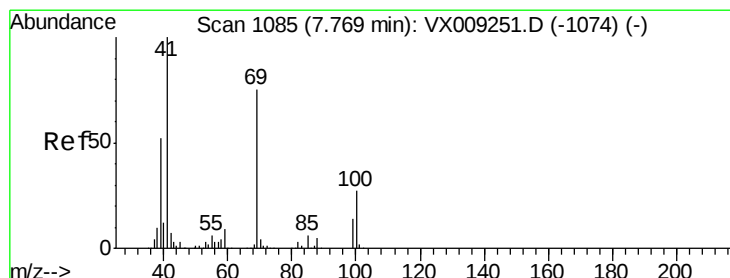
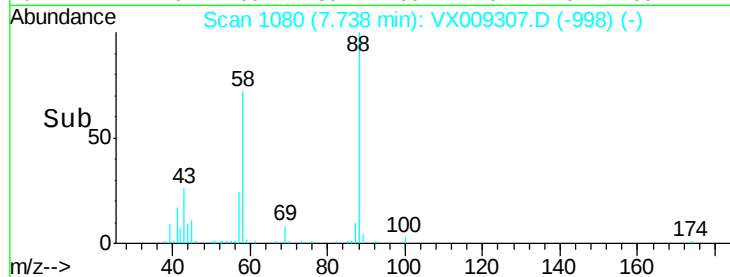
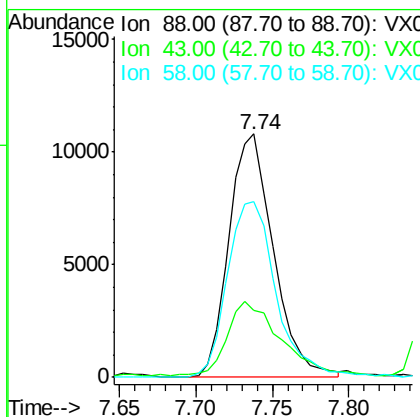
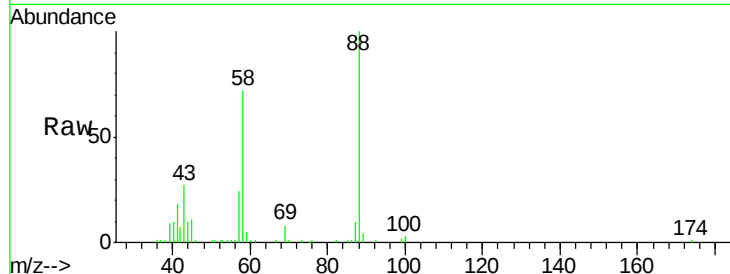
#45
 1,4-Dioxane
 Concen: 385.779 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: VX009307.D
 Acq: 03 May 2019 13:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.5	28.5	42.7
58	79.1	62.5	93.7

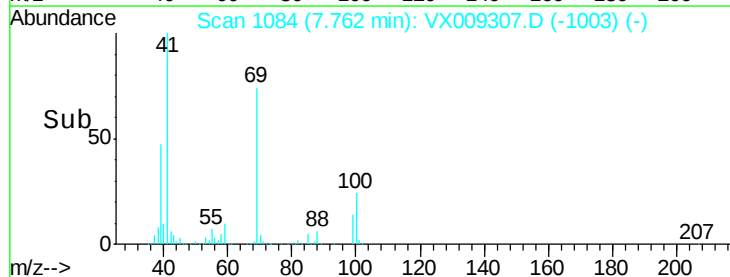
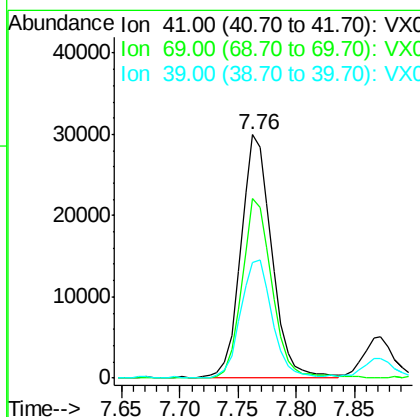
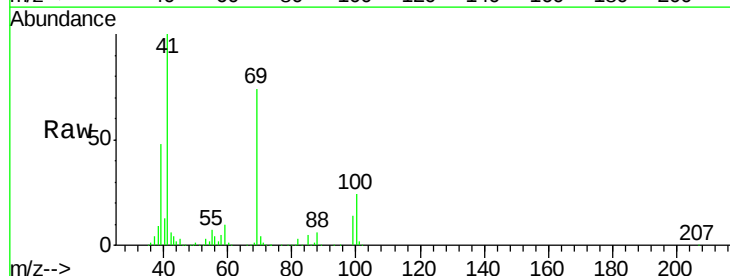
Manual Integrations
 APPROVED

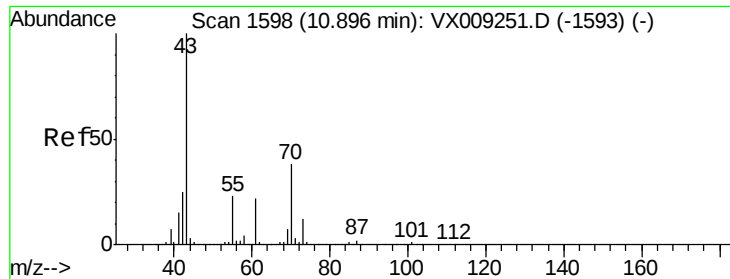
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#46
 Methyl methacrylate
 Concen: 19.052 ug/l
 RT: 7.76 min Scan# 1084
 Delta R.T. -0.01 min
 Lab File: VX009307.D
 Acq: 03 May 2019 13:33

Tgt Ion	Ratio	Lower	Upper
41	100		
69	74.0	37.6	112.8
39	47.4	25.8	77.3





#47

n-amvl Acetate

Concen: 18.543 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 96402

Ion Ratio Lower Upper

43 100

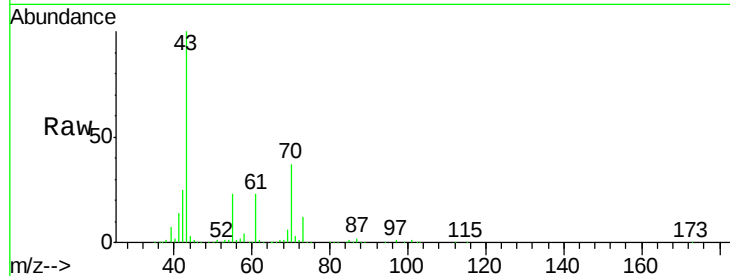
55 23.5 18.2 27.4

Manual Integrations

APPROVED

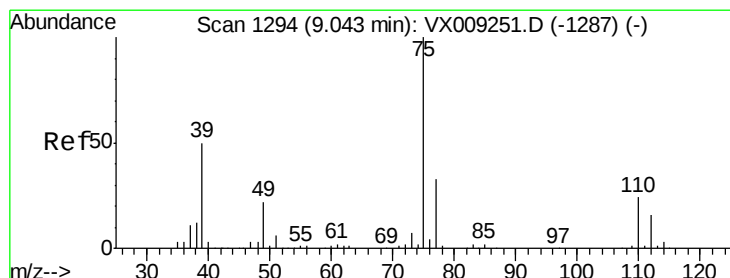
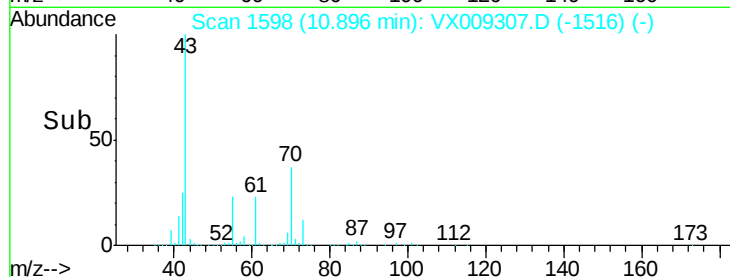
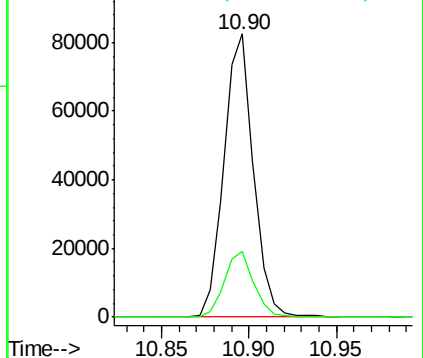
MMDadoda

5/6/2019 9:28:43 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#48

t-1,3-Dichloropropene

Concen: 18.516 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX009307.D

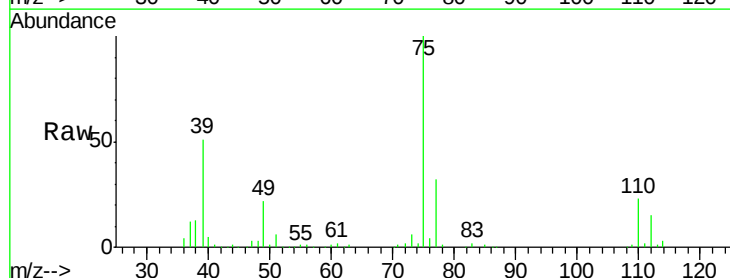
Acq: 03 May 2019 13:33

Tgt Ion: 75 Resp: 55354

Ion Ratio Lower Upper

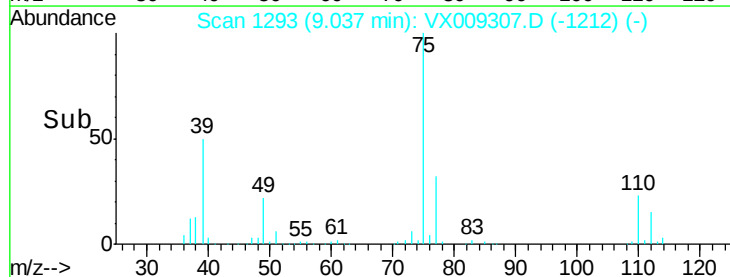
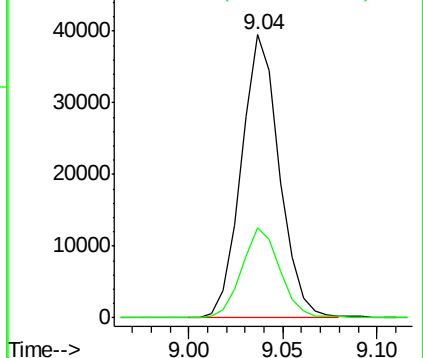
75 100

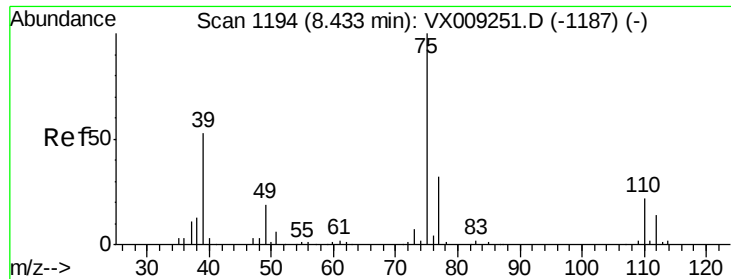
77 31.5 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





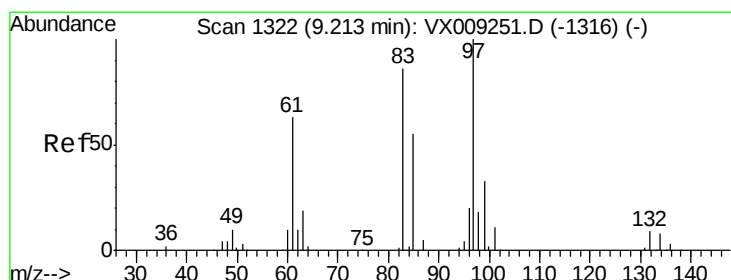
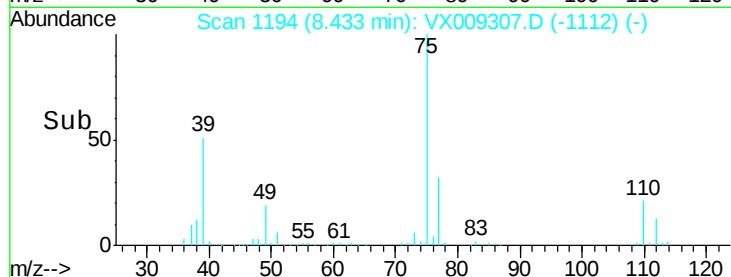
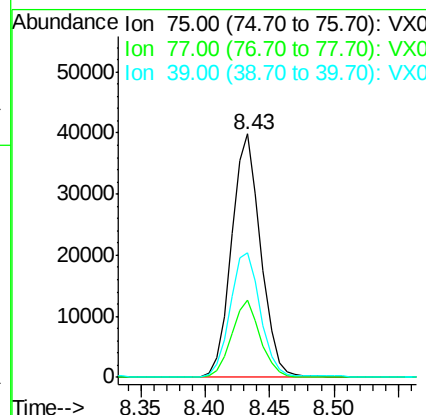
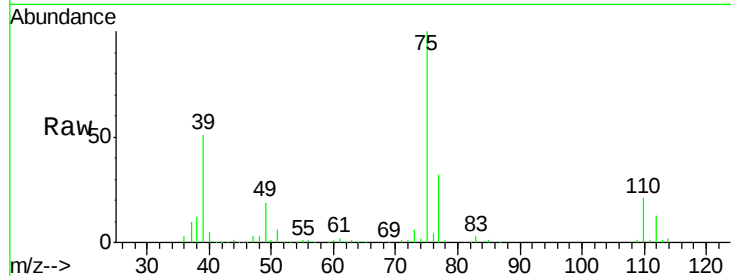
#49
 cis-1,3-Dichloropropene
 Concen: 19.316 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009307.D
 Acq: 03 May 2019 13:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	26.0	39.0
39	50.7	42.6	63.8

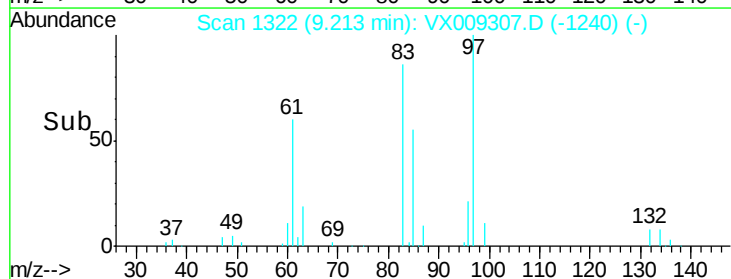
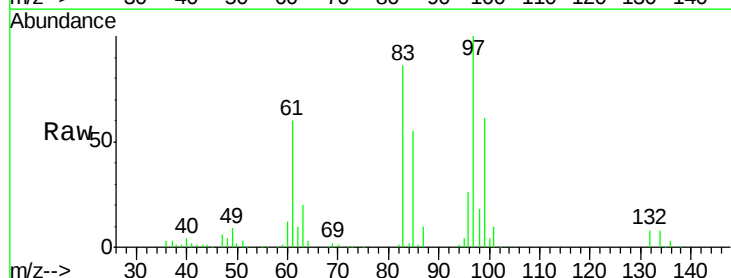
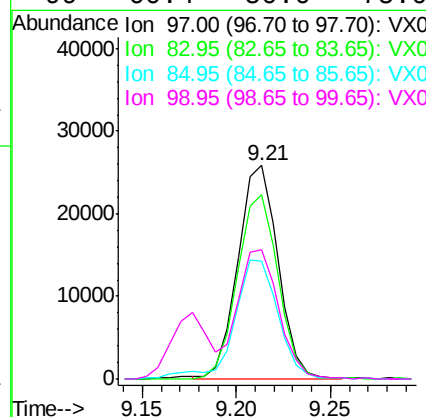
Manual Integrations
 APPROVED

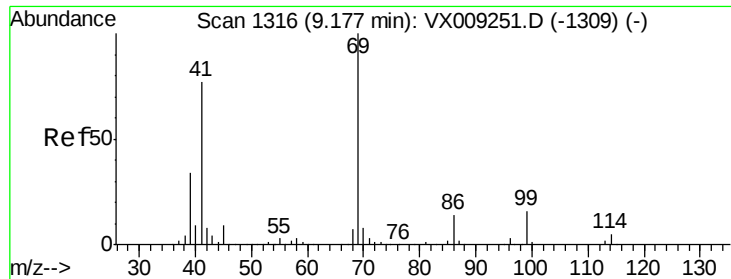
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#50
 1,1,2-Trichloroethane
 Concen: 19.951 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009307.D
 Acq: 03 May 2019 13:33

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.3	68.8	103.2
85	55.3	45.8	68.6
99	60.4	50.0	75.0





#51

Ethyl methacrylate

Concen: 18.849 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

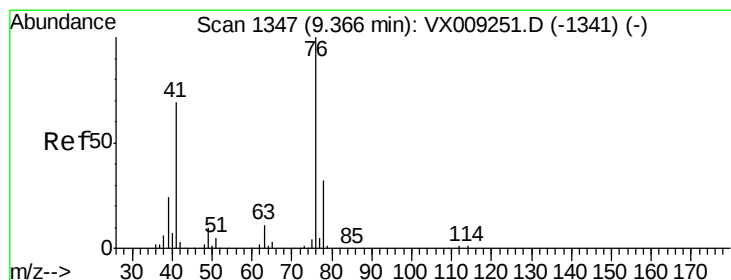
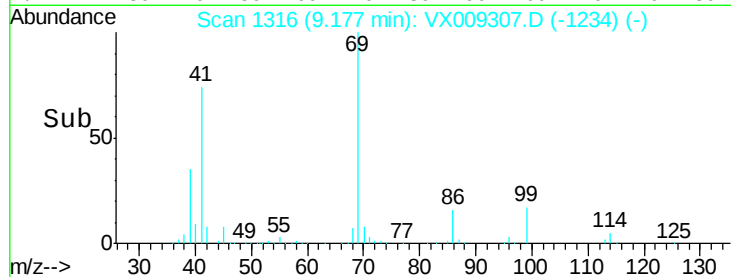
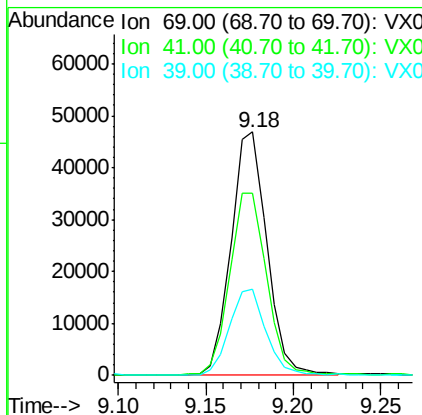
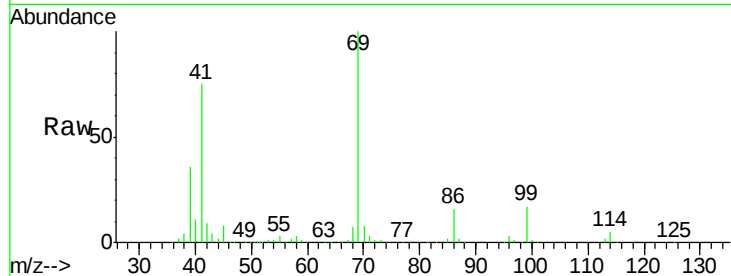
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	66940
Ion	Ratio	Lower	Upper
69	100		
41	74.4	38.4	115.2
39	35.4	17.2	51.5

Manual Integrations
APPROVED

MMDadoda
5/6/2019 9:28:43 AM



#52

1,3-Dichloropropane

Concen: 19.562 ug/l

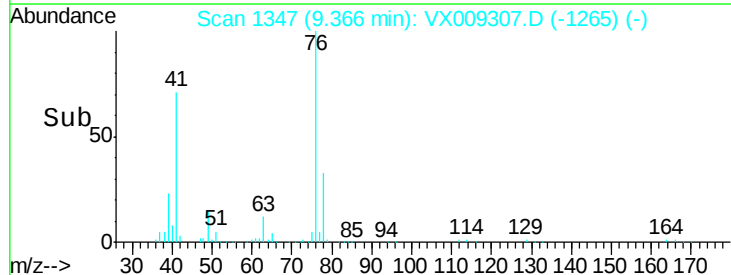
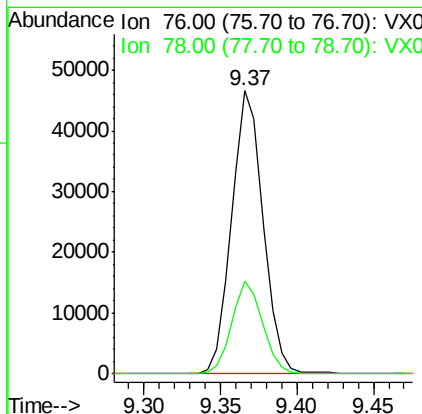
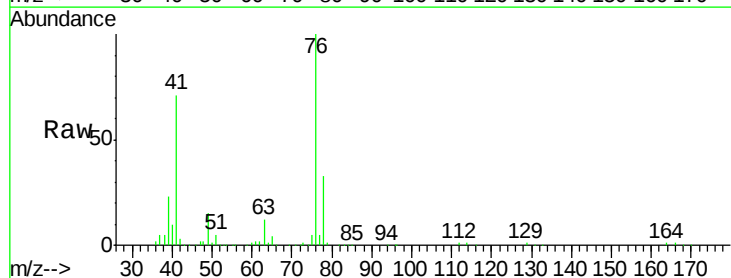
RT: 9.37 min Scan# 1347

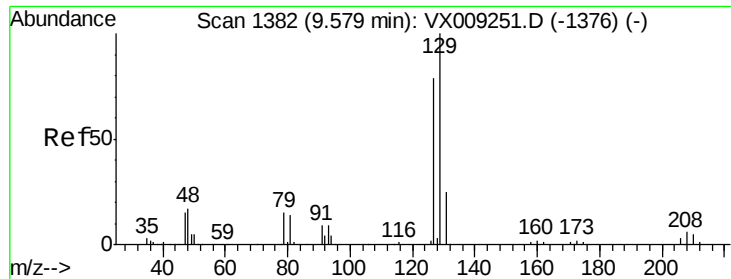
Delta R.T. -0.00 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Tgt Ion:	76	Resp:	66720
Ion	Ratio	Lower	Upper
76	100		
78	31.9	0.0	64.2





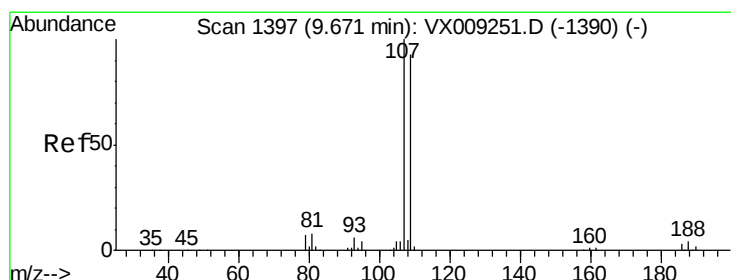
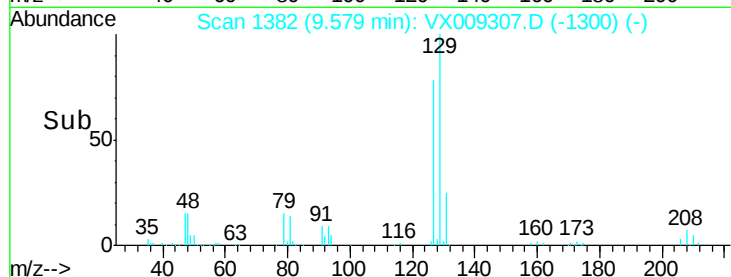
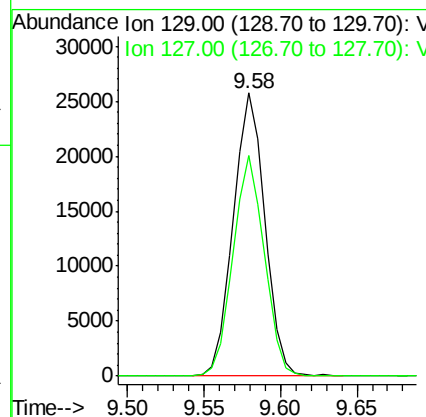
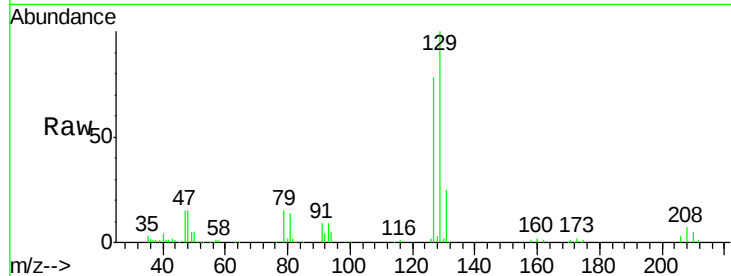
#53
 Dibromochloromethane
 Concen: 19.257 ug/l
 RT: 9.58 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VX009307.D
 Acq: 03 May 2019 13:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:129 Resp: 36857
 Ion Ratio Lower Upper
 129 100
 127 76.8 39.1 117.5

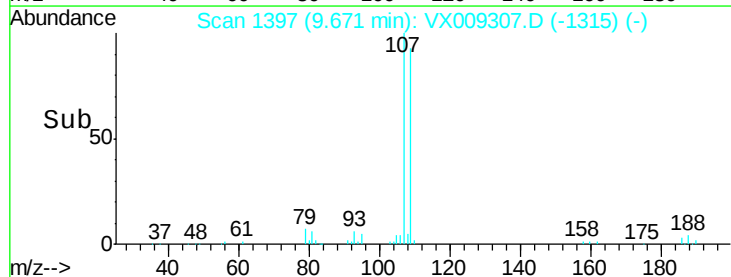
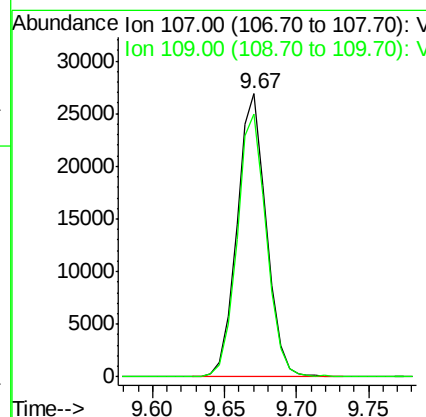
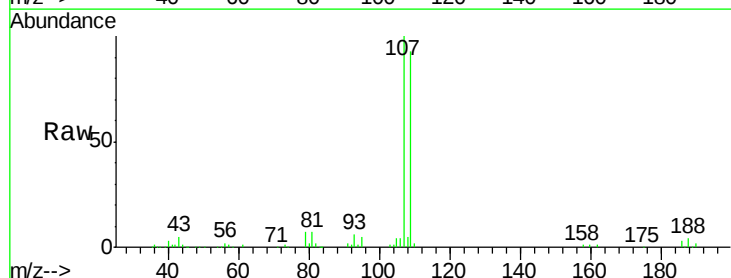
Manual Integrations
 APPROVED

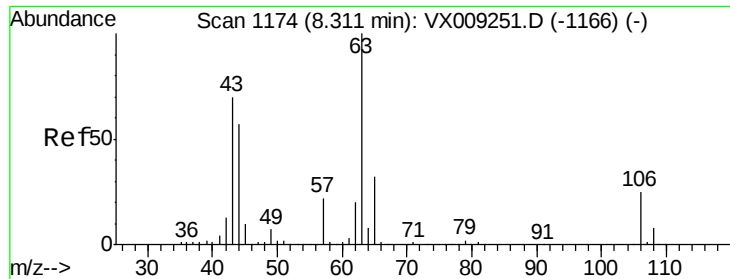
MMDadoda
 5/6/2019 9:28:43 AM



#54
 1,2-Dibromoethane
 Concen: 19.343 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX009307.D
 Acq: 03 May 2019 13:33

Tgt Ion:107 Resp: 38124
 Ion Ratio Lower Upper
 107 100
 109 92.8 75.5 113.3





#55

2-Chloroethyl vinyl ether

Concen: 99.566 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 63 Resp: 188422

Ion Ratio Lower Upper

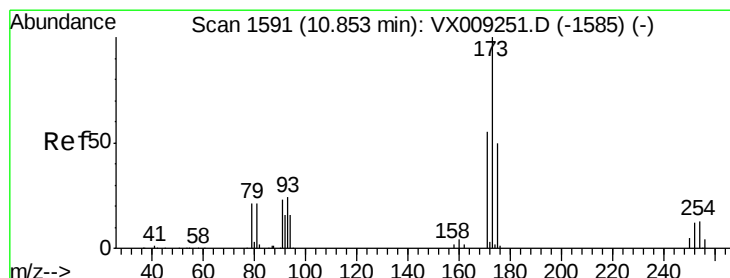
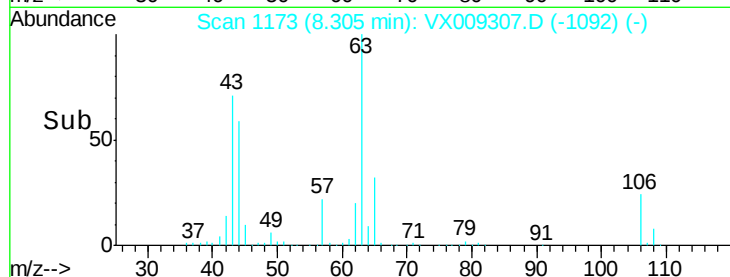
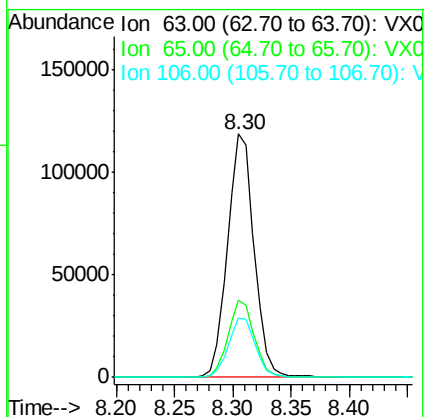
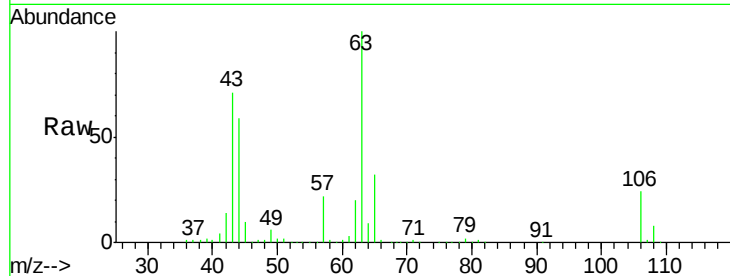
63 100

65 31.4 25.8 38.6

106 24.8 19.8 29.6

Manual Integrations
APPROVED

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#56

Bromoform

Concen: 18.508 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

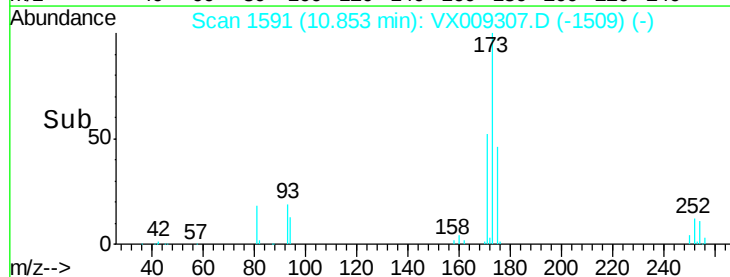
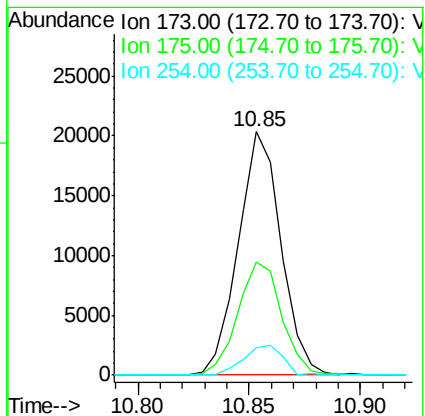
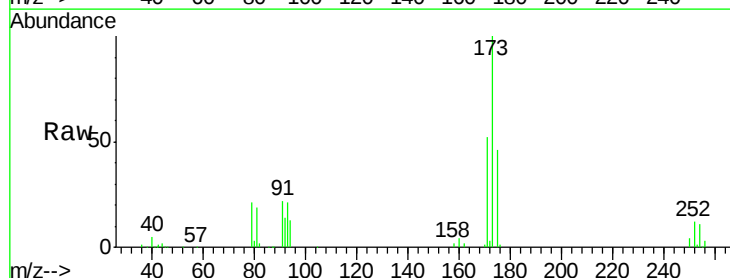
Tgt Ion: 173 Resp: 27192

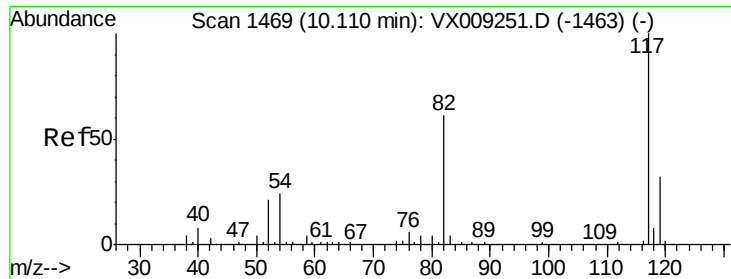
Ion Ratio Lower Upper

173 100

175 48.0 39.4 59.2

254 11.3 9.9 14.9





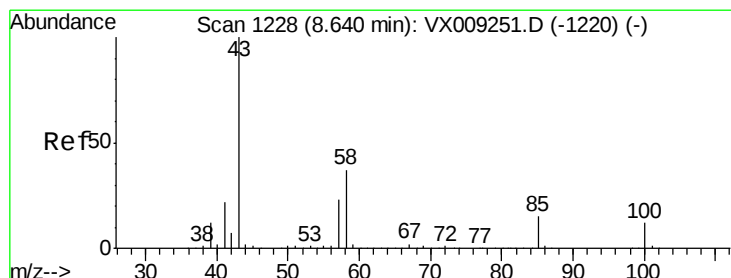
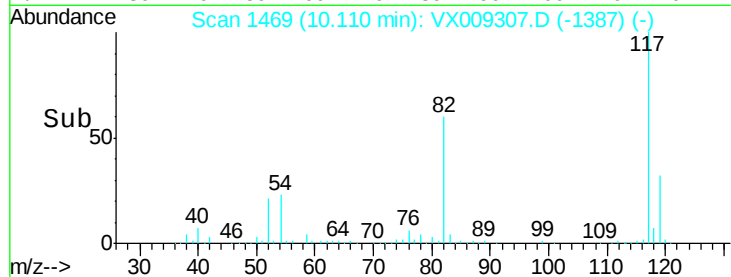
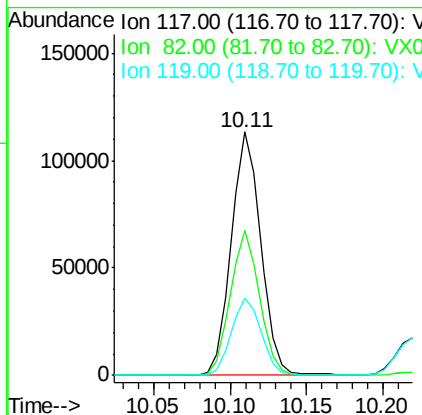
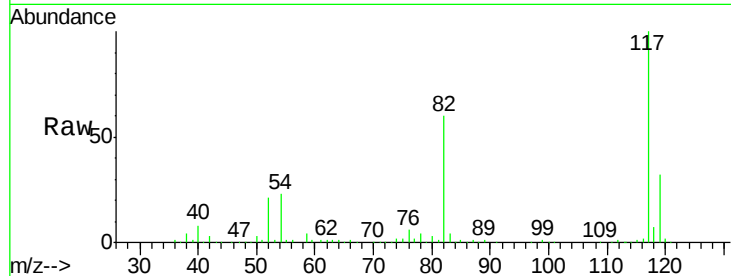
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.8	47.8	71.8
119	32.0	25.6	38.4

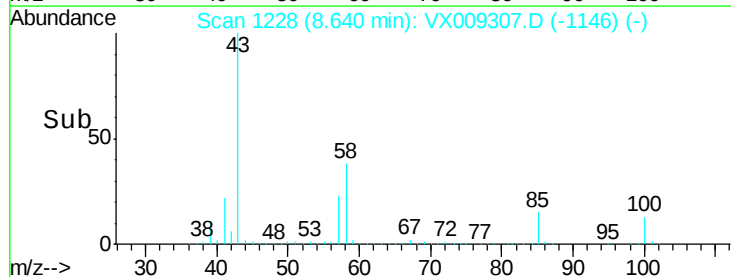
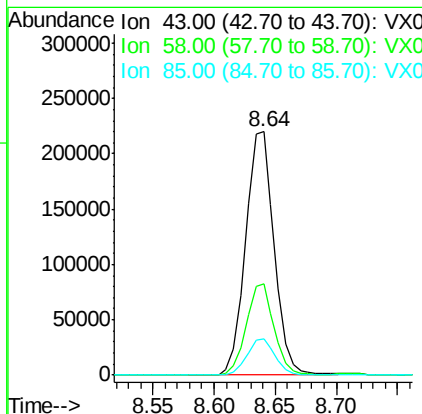
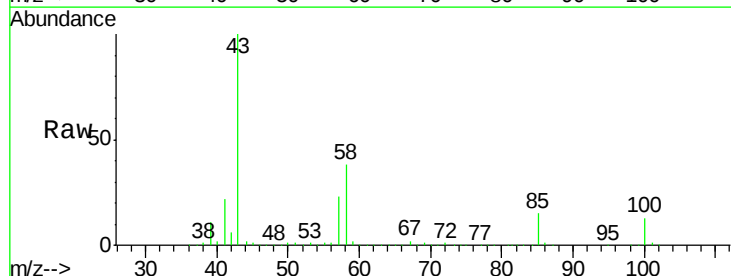
Manual Integrations
APPROVED

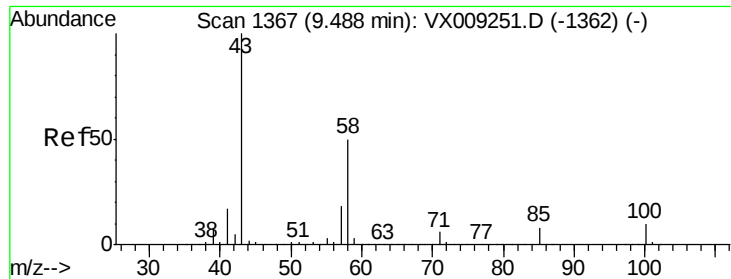
MMDadoda
5/6/2019 9:28:43 AM



#58
4-Methyl-2-Pentanone
Concen: 96.057 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.6	29.4	44.0
85	14.8	11.8	17.8





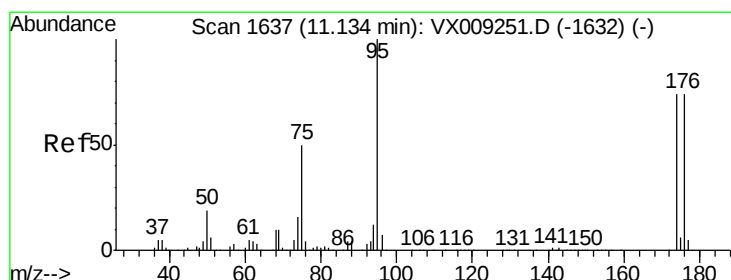
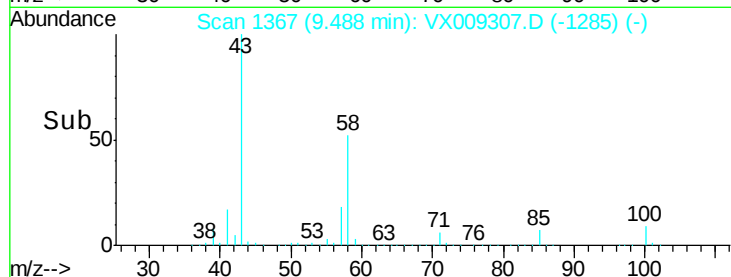
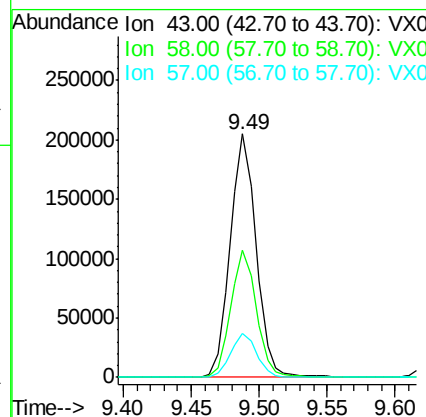
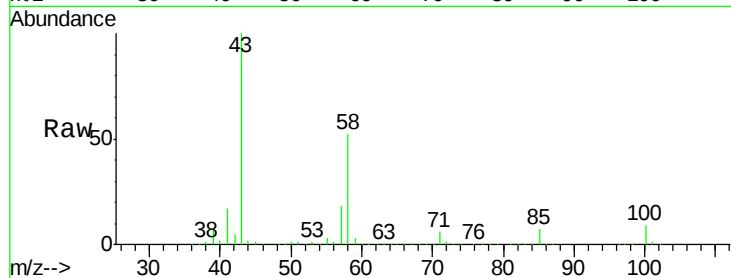
#59
2-Hexanone
Concen: 93.155 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.7	40.8	61.2
57	18.2	14.1	21.1

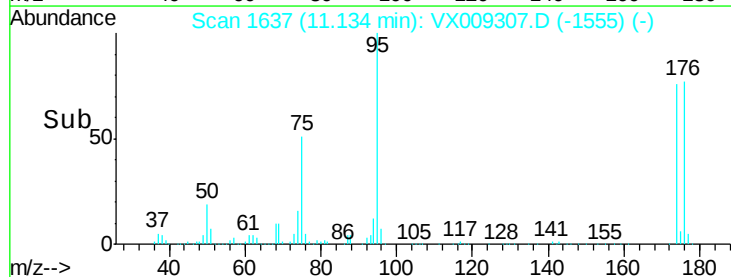
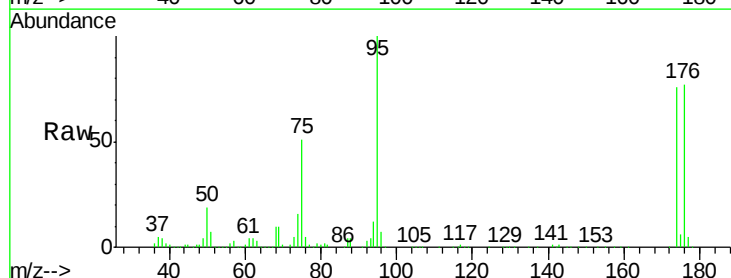
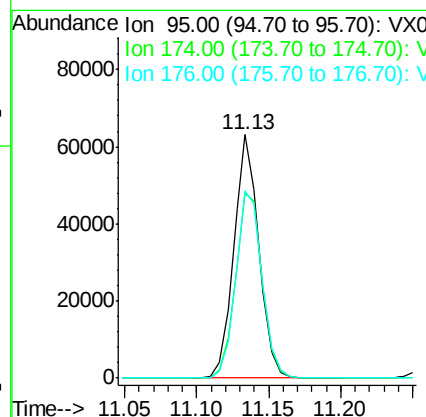
Manual Integrations
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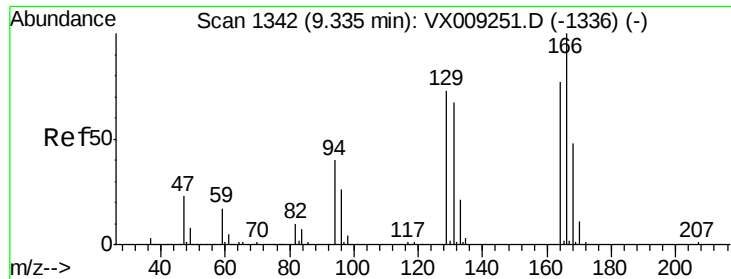
MMDadoda
5/6/2019 9:28:43 AM



#60
4-Bromofluorobenzene
Concen: 29.844 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.8	63.6	95.4
176	80.4	62.4	93.6





#61

Tetrachloroethene

Concen: 20.752 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 34683

Ion Ratio Lower Upper

164 100

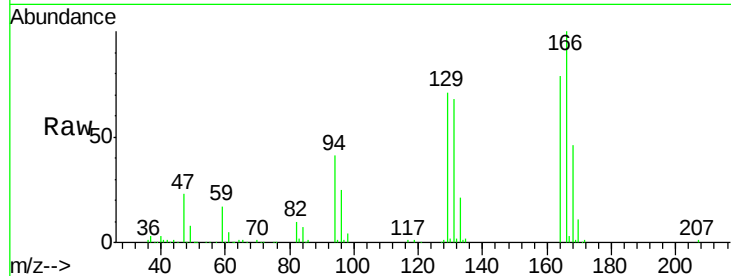
166 126.7 104.1 156.1

129 90.1 76.0 114.0

131 86.1 70.1 105.1

Manual Integrations
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5/6/2019 9:28:43 AM

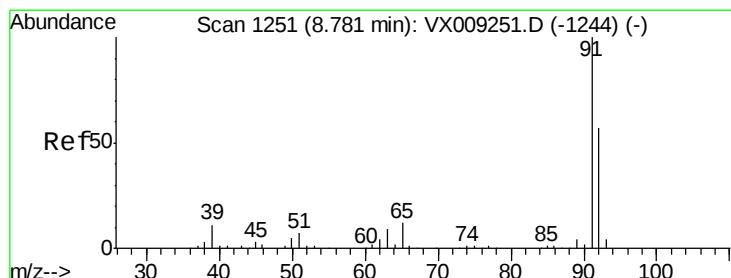
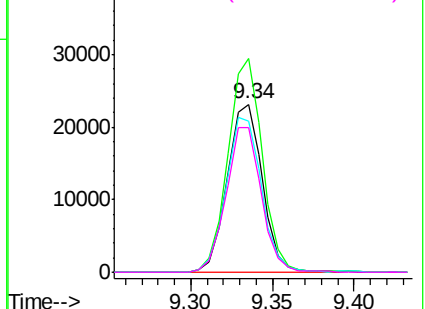
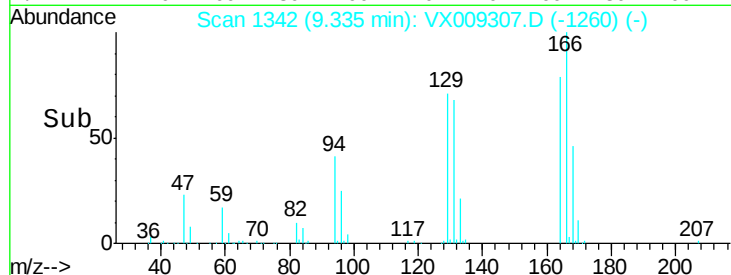


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.065 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX009307.D

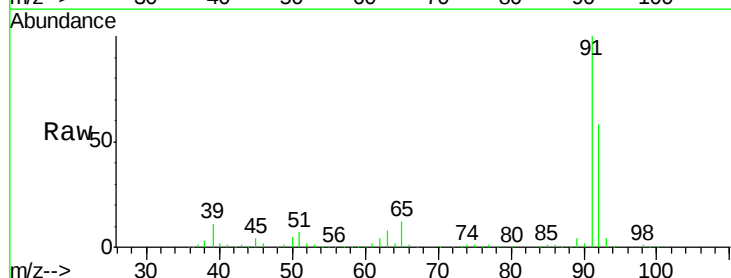
Acq: 03 May 2019 13:33

Tgt Ion: 91 Resp: 162554

Ion Ratio Lower Upper

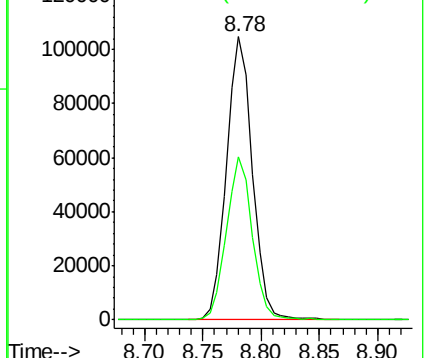
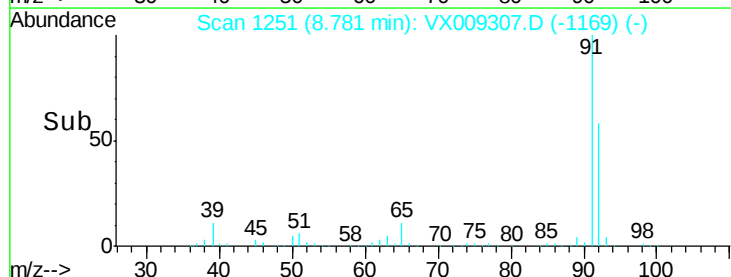
91 100

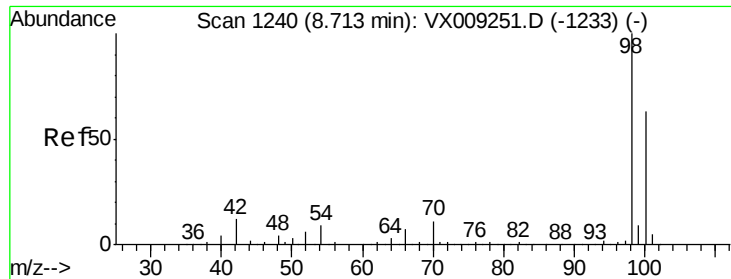
92 57.0 46.1 69.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.487 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 98 Resp: 219138

Ion Ratio Lower Upper

98 100

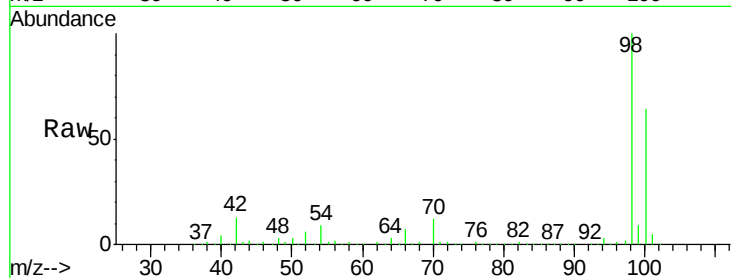
100 63.0 52.3 78.5

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Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

150000

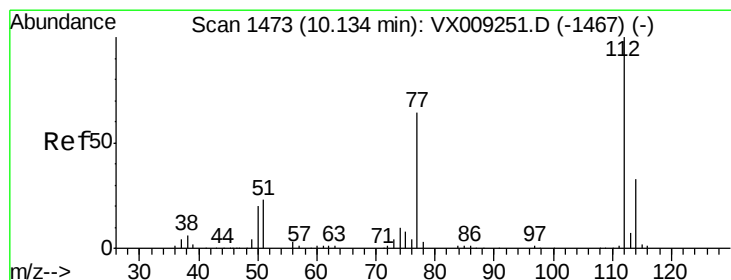
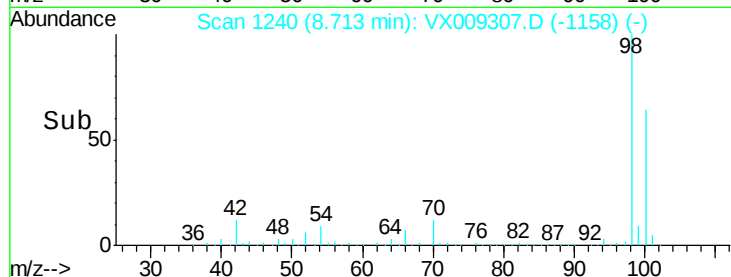
100000

50000

0

8.60 8.70 8.80 8.90

Time-->



#64

Chlorobenzene

Concen: 20.022 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX009307.D

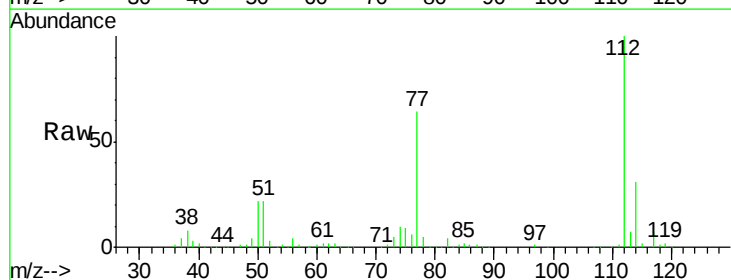
Acq: 03 May 2019 13:33

Tgt Ion: 112 Resp: 97619

Ion Ratio Lower Upper

112 100

114 30.9 26.2 39.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

80000

60000

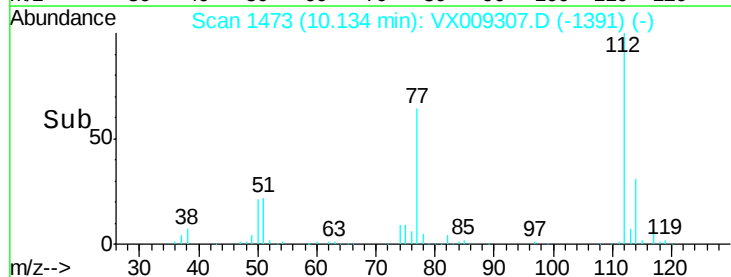
40000

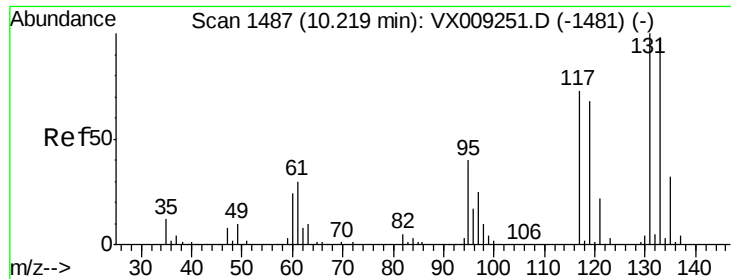
20000

0

10.10 10.20

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 19.694 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

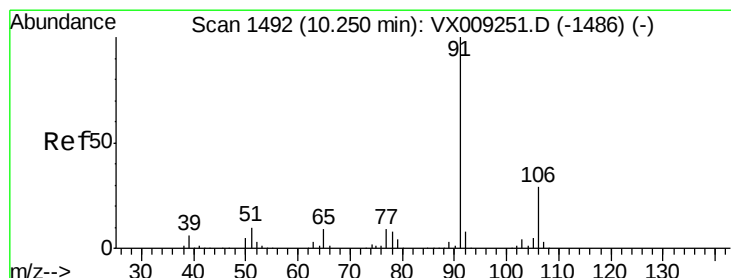
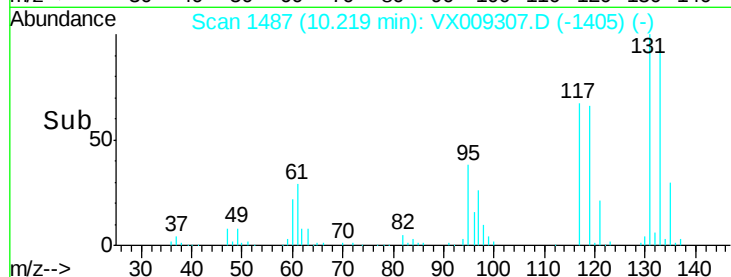
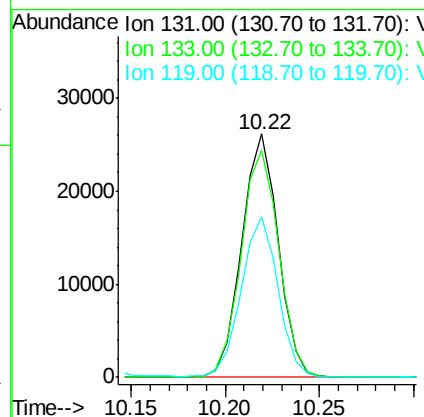
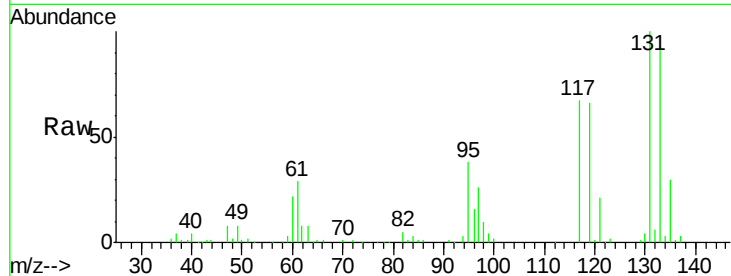
ClientSampleID :

VSTDCCC020EC

Tot Ion:	131	Resp:	35159
Ion Ratio	Lower	Upper	
131	100		
133	96.3	0.0	191.2
119	66.4	0.0	135.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.882 ug/l

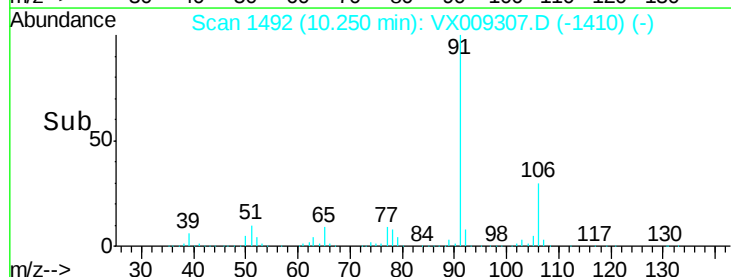
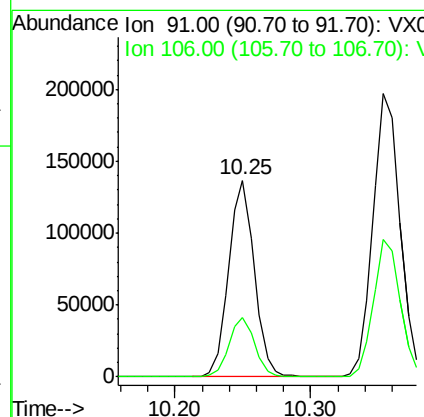
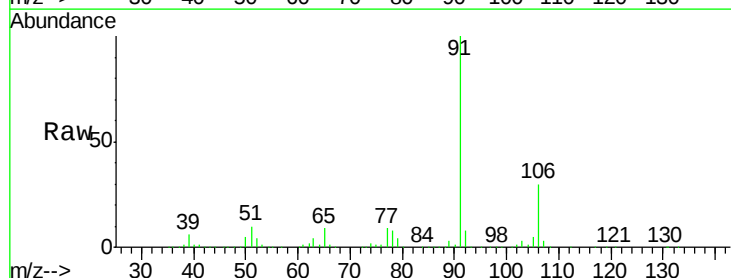
RT: 10.25 min Scan# 1492

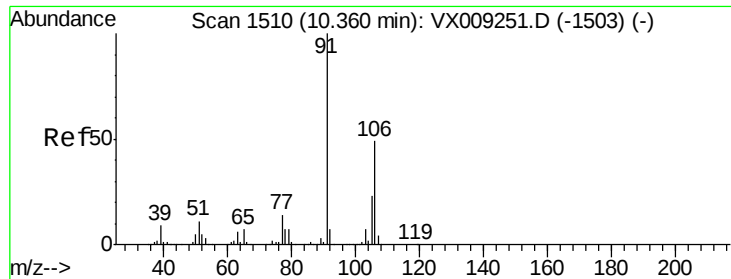
Delta R.T. -0.00 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Tgt Ion:	91	Resp:	179436
Ion Ratio	Lower	Upper	
91	100		
106	30.5	23.5	35.3





#67

m/p-Xvlenes

Concen: 40.011 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020EC

Tot Ion:106 Resp: 131840

Ion Ratio Lower Upper

106 100

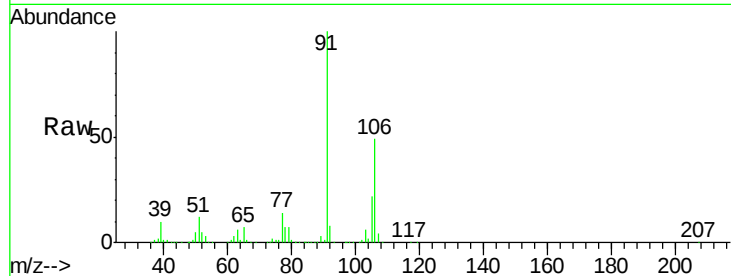
91 206.9 166.8 250.2

Manual Integrations

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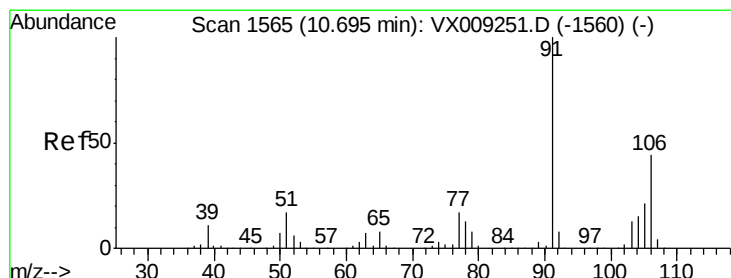
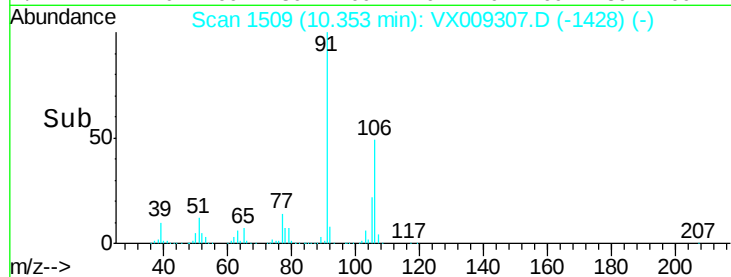
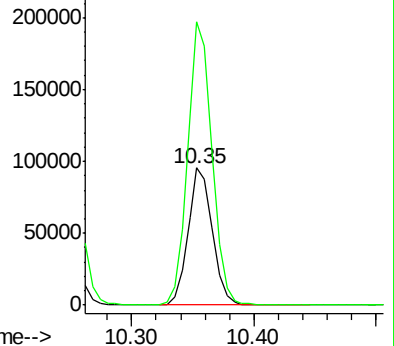
MMDadoda

5/6/2019 9:28:43 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 19.833 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VX009307.D

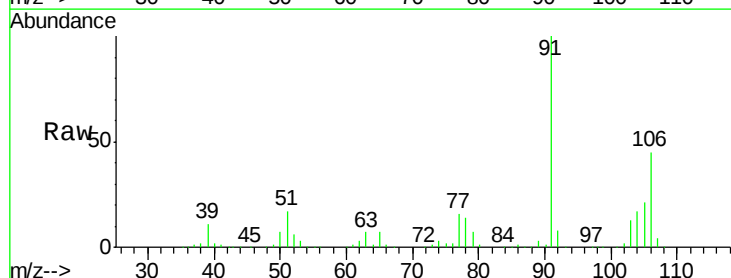
Acq: 03 May 2019 13:33

Tgt Ion:106 Resp: 64258

Ion Ratio Lower Upper

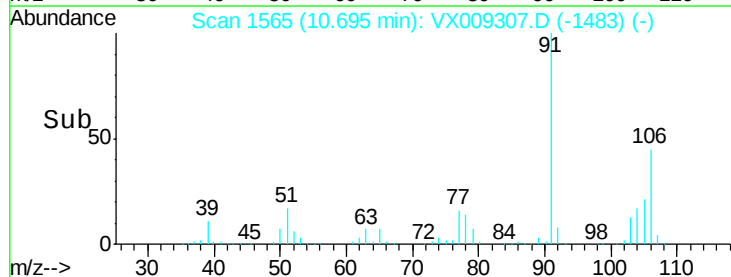
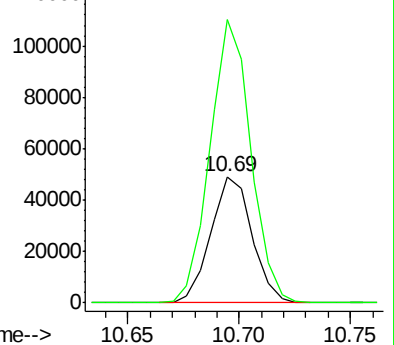
106 100

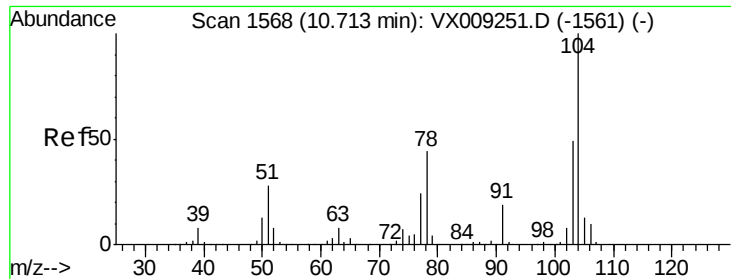
91 220.3 110.8 332.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





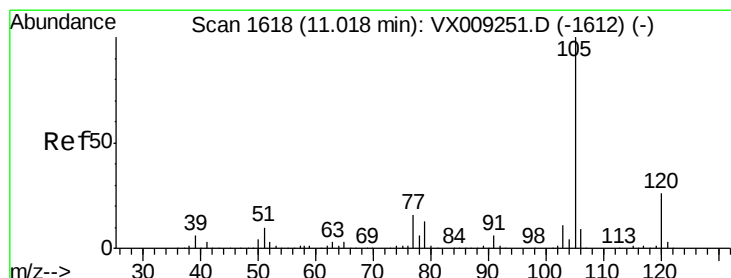
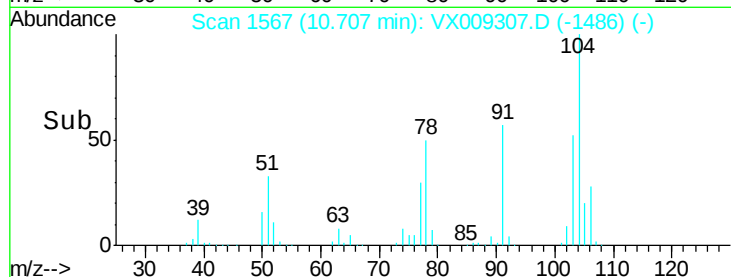
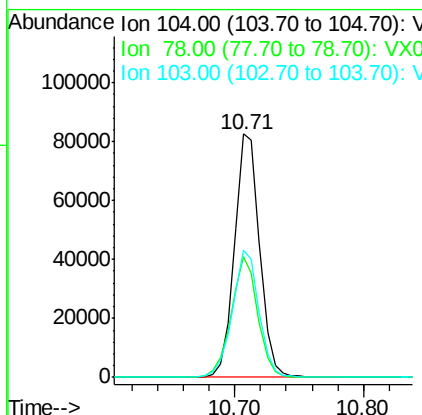
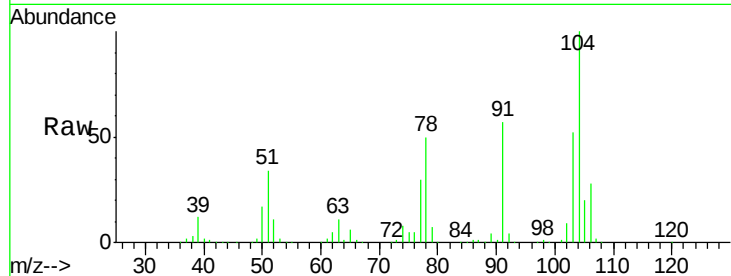
#69
Stvrene
Concen: 19.784 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
104	100	112526		
78	52.2		41.1	61.7
103	55.3		43.8	65.8

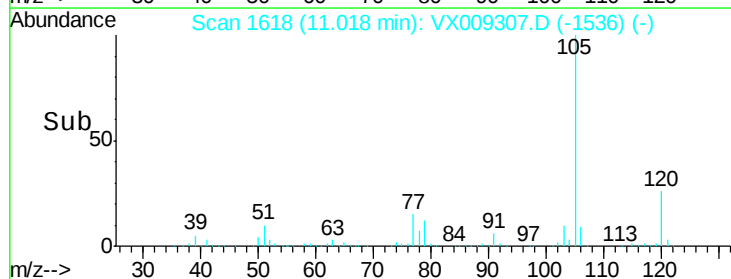
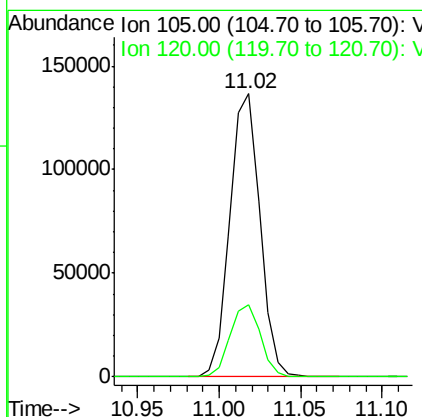
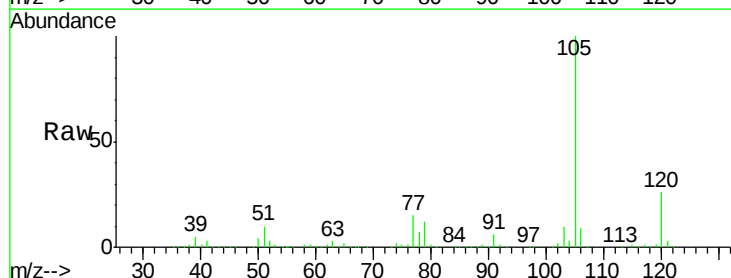
Manual Integrations
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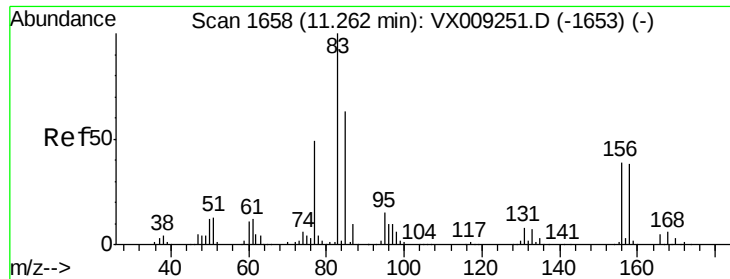
MMDadoda
5/6/2019 9:28:43 AM



#70
Isopropylbenzene
Concen: 20.189 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	175922		
120	25.9		18.1	33.7





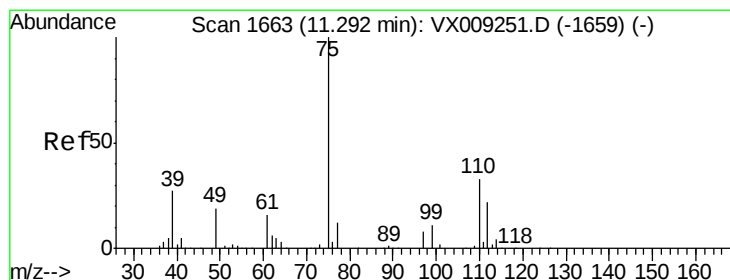
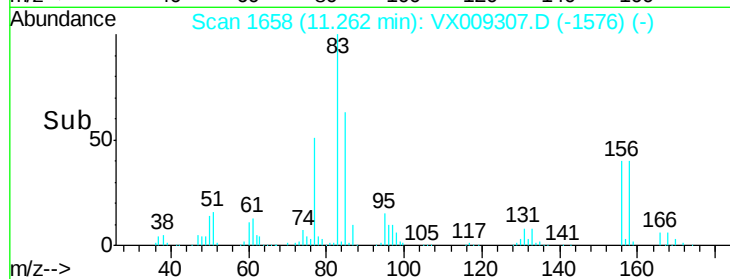
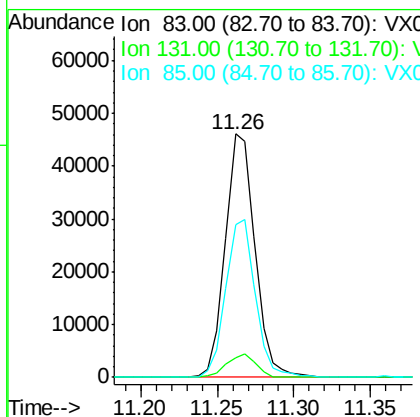
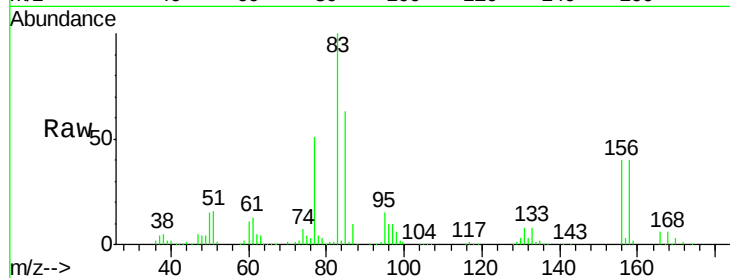
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.420 ug/l
 RT: 11.26 min Scan# 1658
 Delta R.T. -0.00 min
 Lab File: VX009307.D
 Acq: 03 May 2019 13:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.7	14.0
85	64.9	32.4	97.2

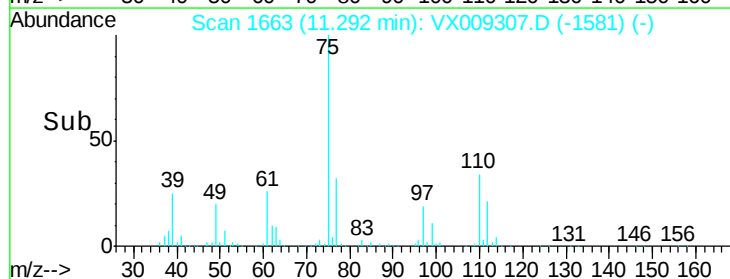
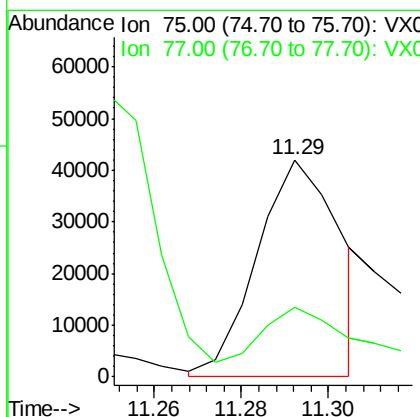
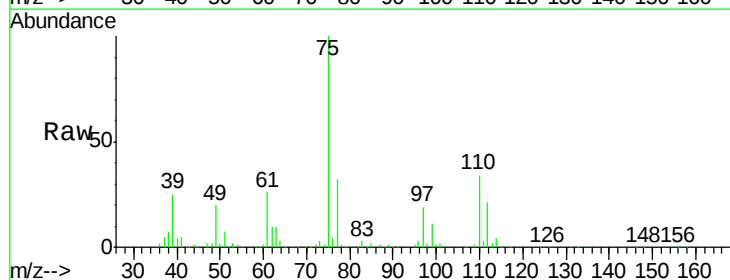
Manual Integrations
 APPROVED

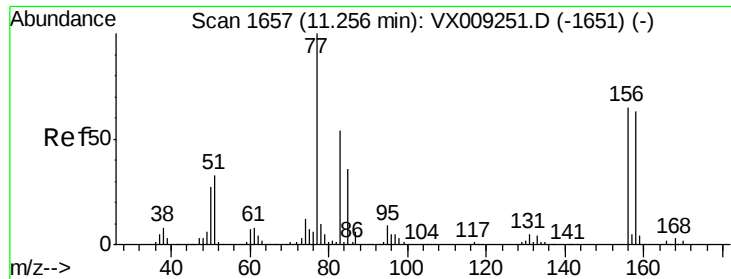
MMDadoda
 5/6/2019 9:28:43 AM



#72
 1,2,3-Trichloropropane
 Concen: 20.065 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX009307.D
 Acq: 03 May 2019 13:33

Tgt Ion	Ratio	Lower	Upper
75	100		
77	40.9	0.0	86.4





#73

Bromobenzene

Concen: 19.911 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

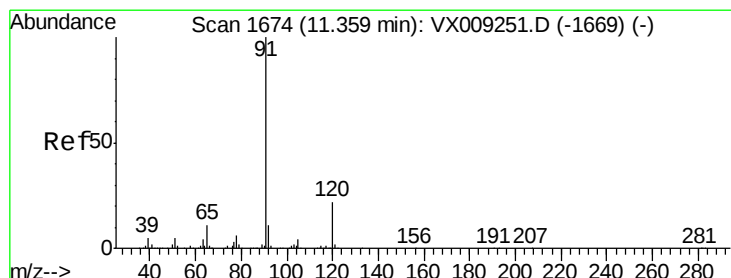
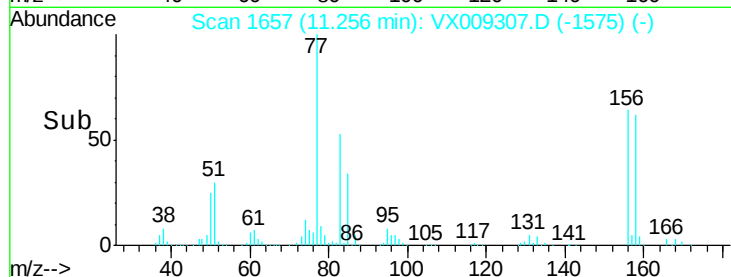
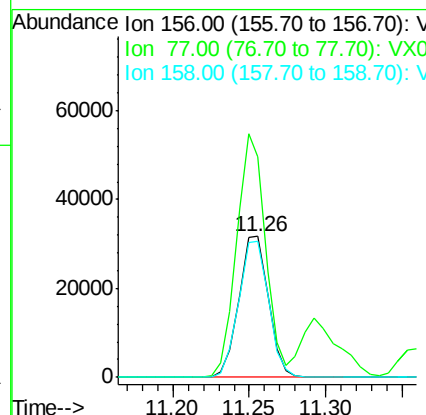
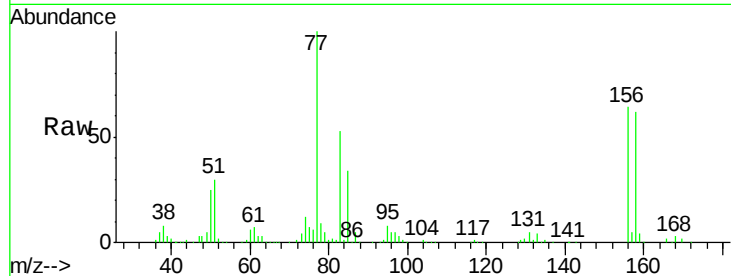
ClientSampleId :

VSTDCCC020EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		42866		
77	166.5	0.0	335.6		
158	97.1	0.0	191.2		

Manual Integrations
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#74

n-propylbenzene

Concen: 20.195 ug/l

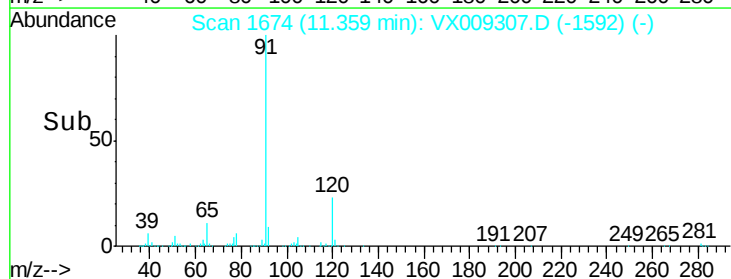
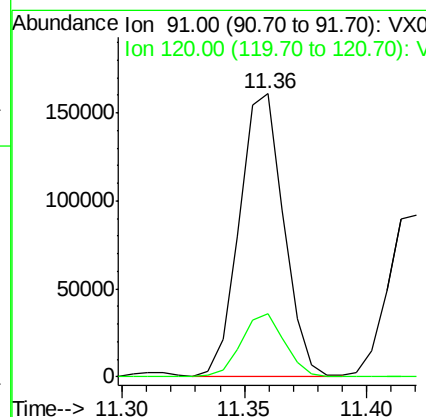
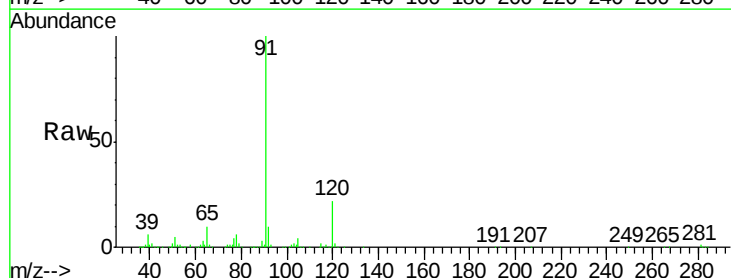
RT: 11.36 min Scan# 1674

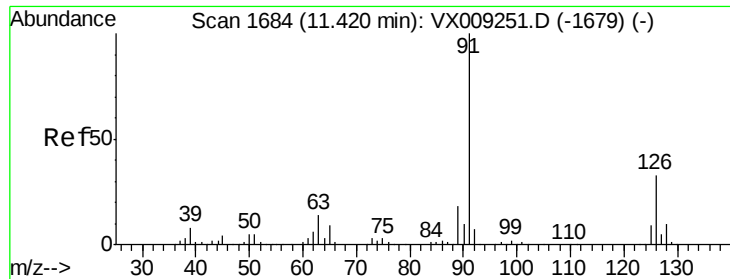
Delta R.T. 0.00 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		203920		
120	21.8	0.0	43.4		





#75

2-Chlorotoluene

Concen: 20.045 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 121402

Ion Ratio Lower Upper

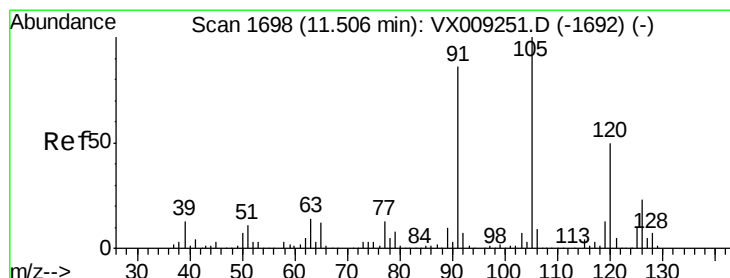
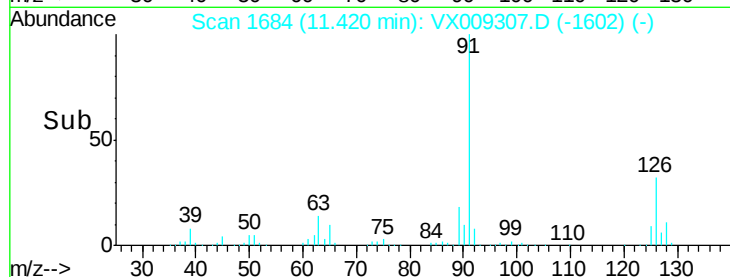
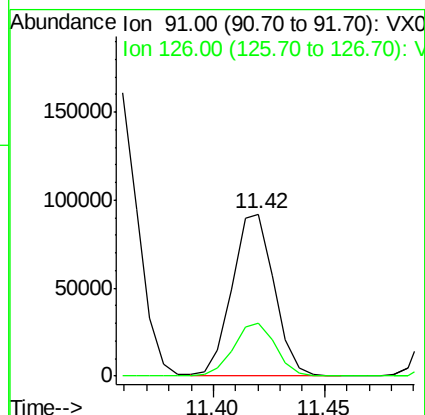
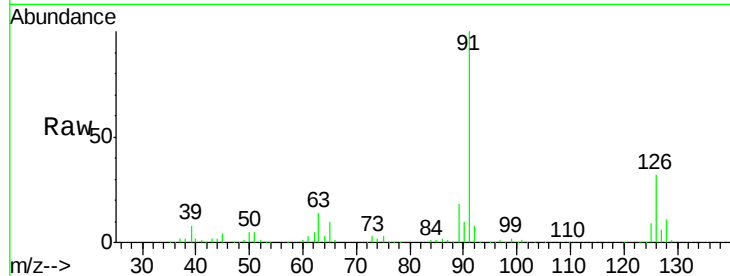
91 100

126 32.4 0.0 64.0

Manual Integrations
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5/6/2019 9:28:43 AM



#76

1,3,5-Trimethylbenzene

Concen: 20.222 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009307.D

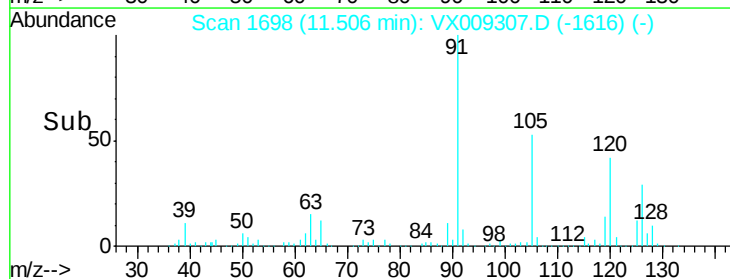
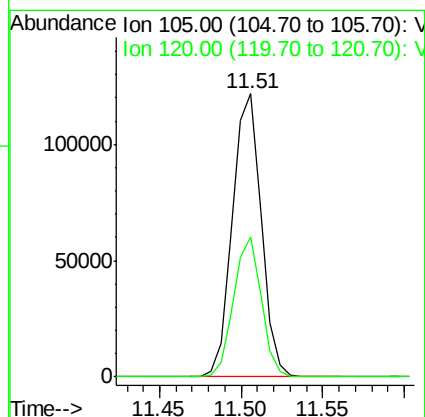
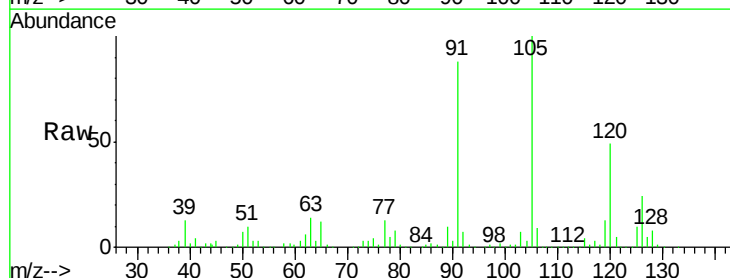
Acq: 03 May 2019 13:33

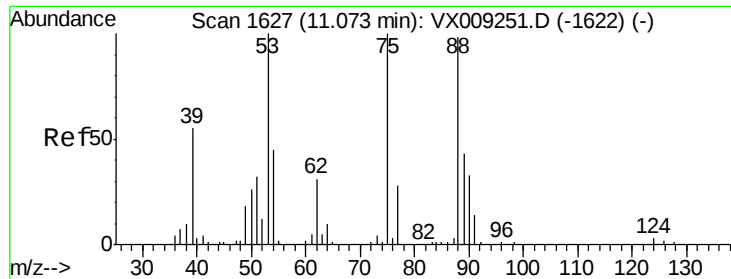
Tgt Ion: 105 Resp: 149261

Ion Ratio Lower Upper

105 100

120 47.6 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 17.612 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 75 Resp: 19536

Ion Ratio Lower Upper

75 100

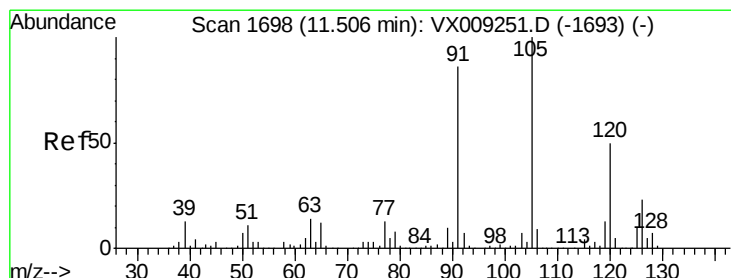
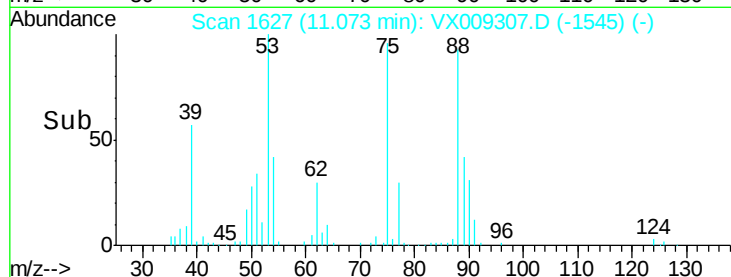
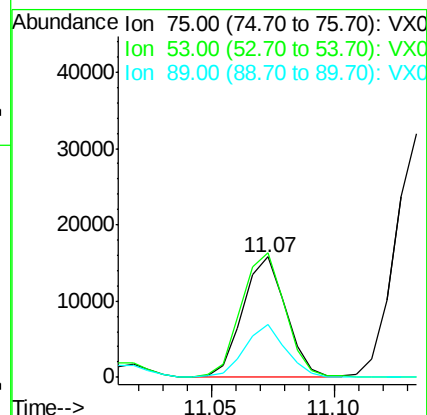
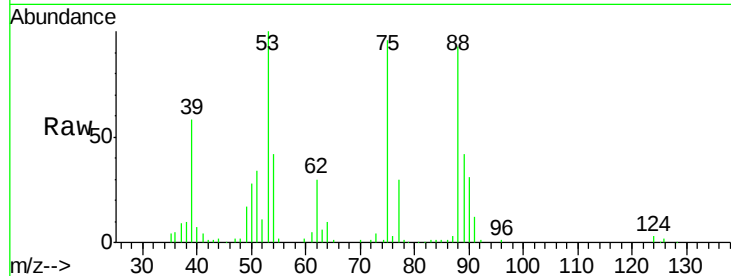
53 103.5 50.0 149.8

89 43.3 21.6 65.0

Manual Integrations
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5/6/2019 9:28:43 AM



#78

4-Chlorotoluene

Concen: 20.063 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009307.D

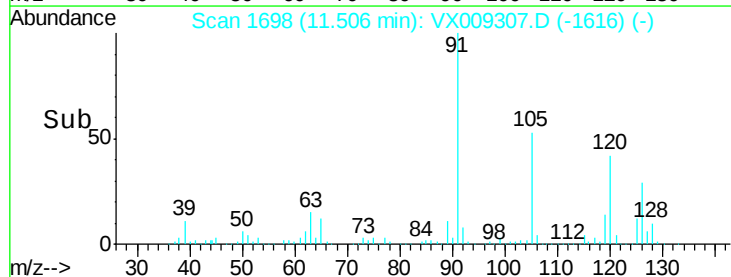
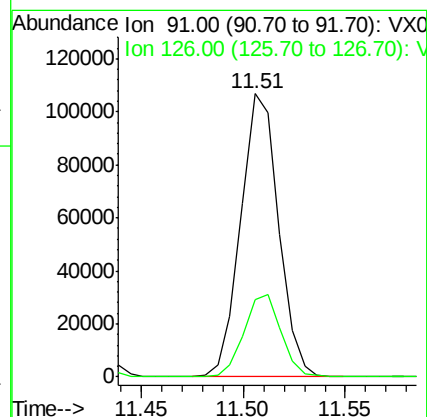
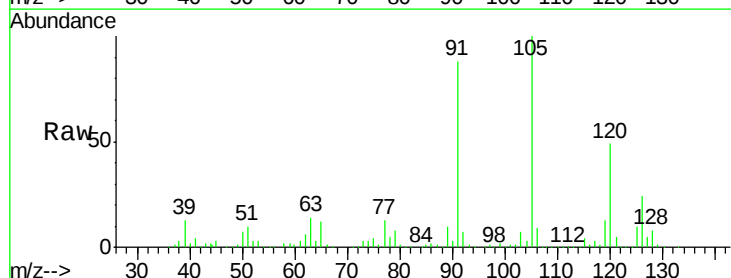
Acq: 03 May 2019 13:33

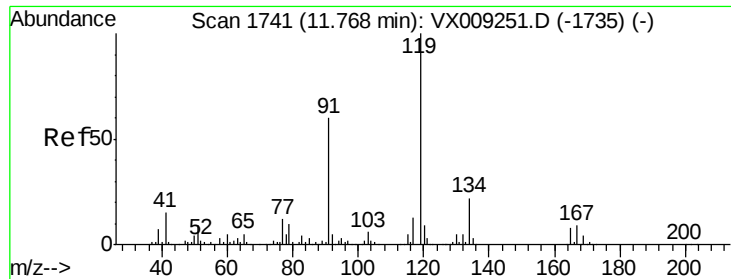
Tgt Ion: 91 Resp: 138006

Ion Ratio Lower Upper

91 100

126 28.5 0.0 57.0





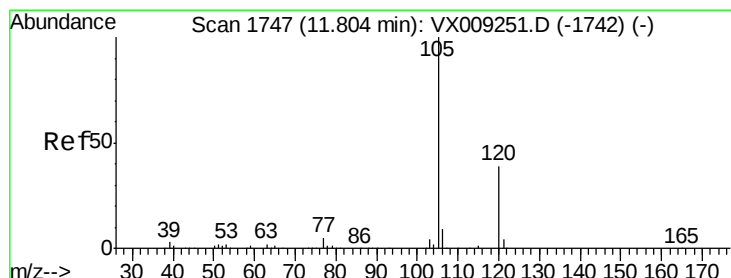
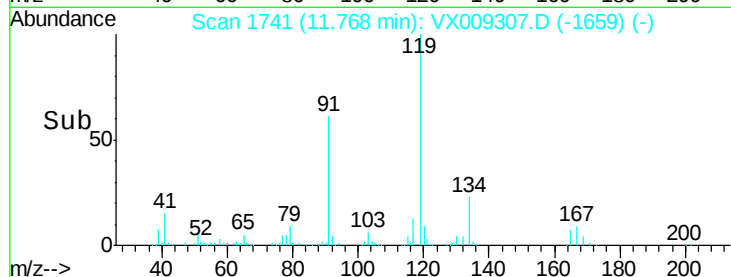
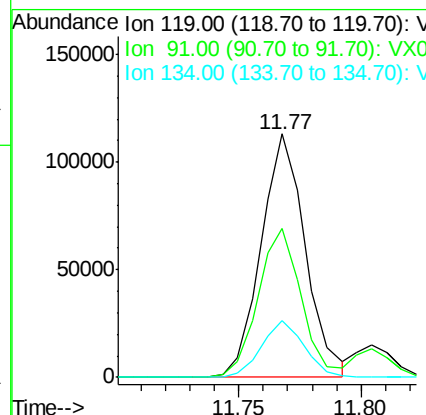
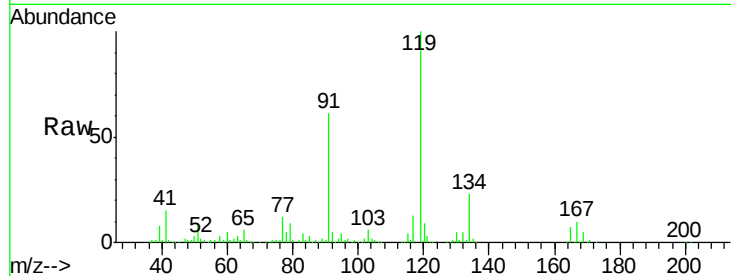
#79
tert-butylbenzene
Concen: 20.037 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	142970		
91	60.0		0.0	118.2
134	22.5		0.0	45.0

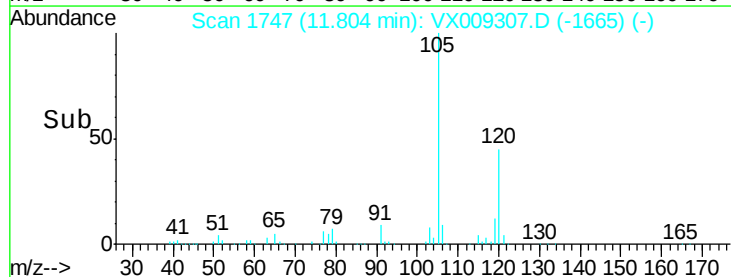
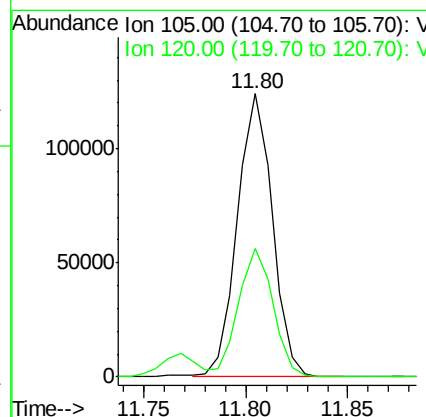
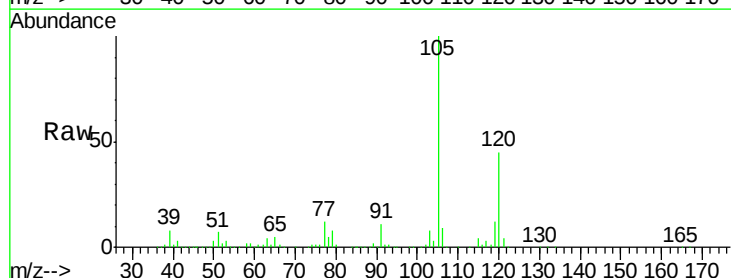
Manual Integrations
APPROVED

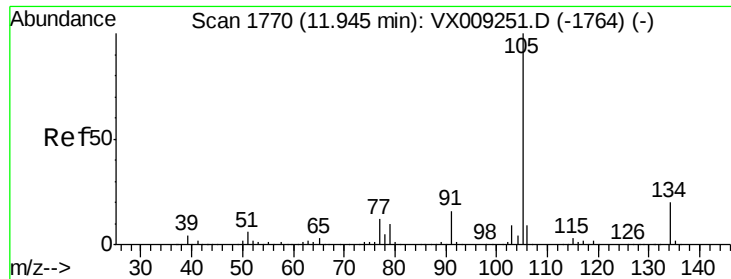
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 19.912 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	147305		
120	45.2		0.0	89.6





#81

sec-Butylbenzene

Concen: 20.296 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:105 Resp: 172061

Ion Ratio Lower Upper

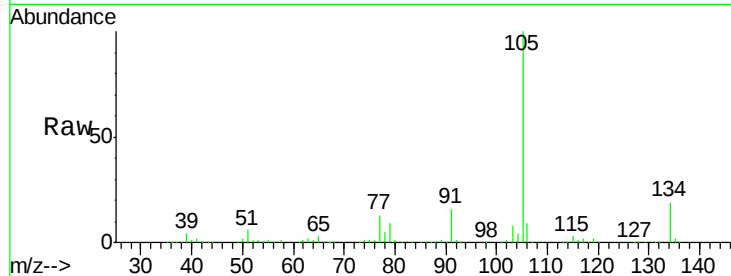
105 100

134 19.4 0.0 38.6

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

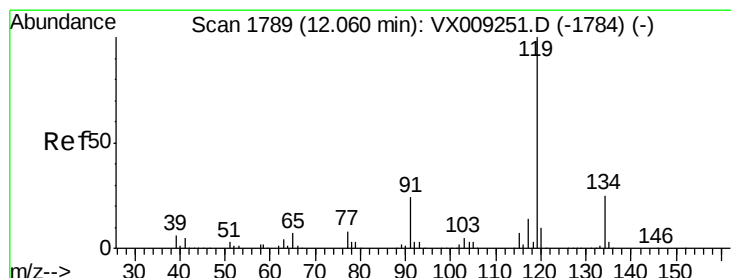
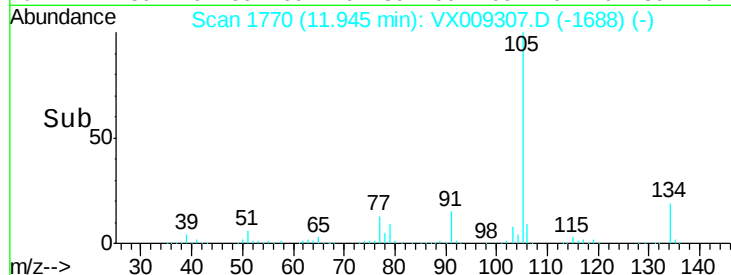
150000

100000

50000

0

Time-->



#82

p-Isopropyltoluene

Concen: 20.200 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

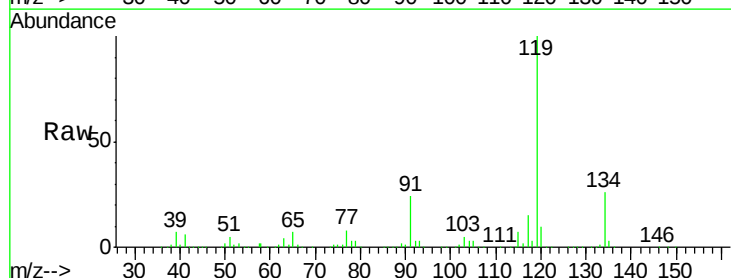
Tgt Ion:119 Resp: 155771

Ion Ratio Lower Upper

119 100

134 25.9 0.0 50.8

91 23.8 0.0 47.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.06

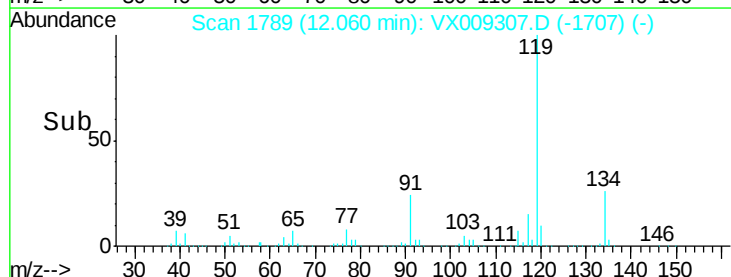
150000

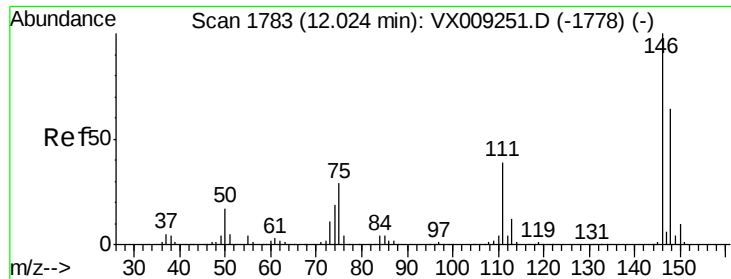
100000

50000

0

Time-->





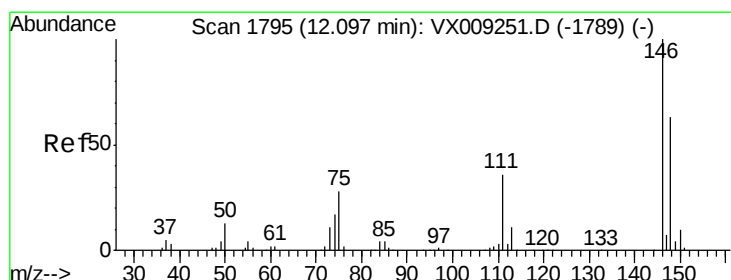
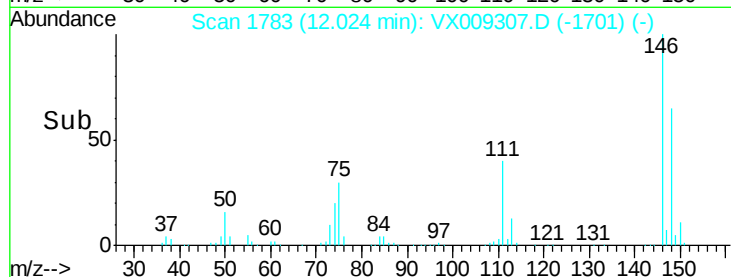
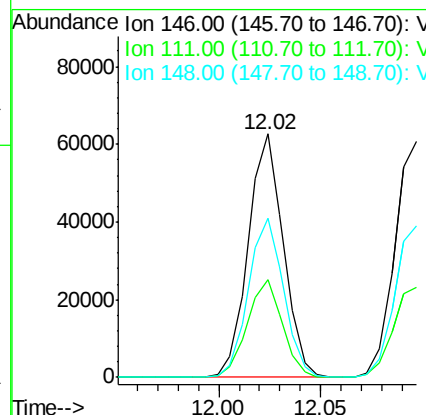
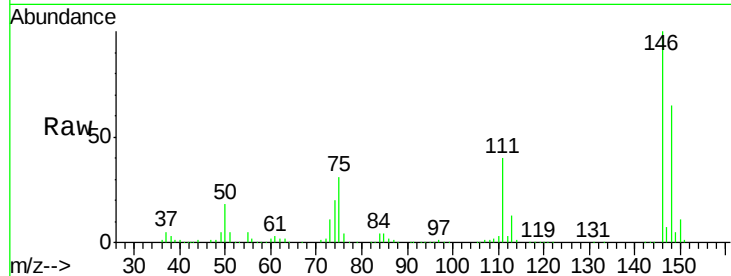
#83
 1,3-Dichlorobenzene
 Concen: 19.550 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009307.D
 Acq: 03 May 2019 13:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.0	60.0
148	65.5	32.2	96.6

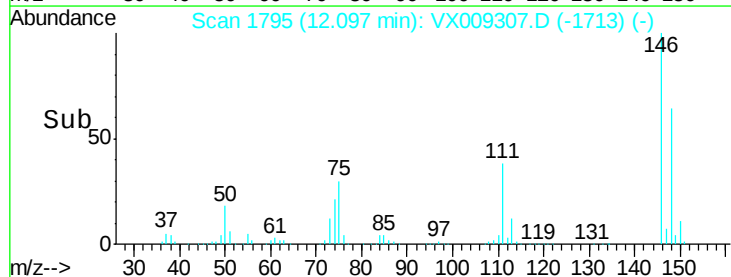
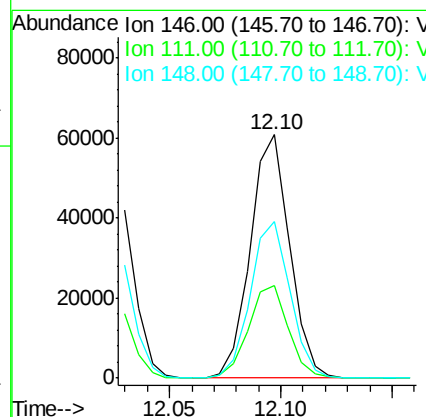
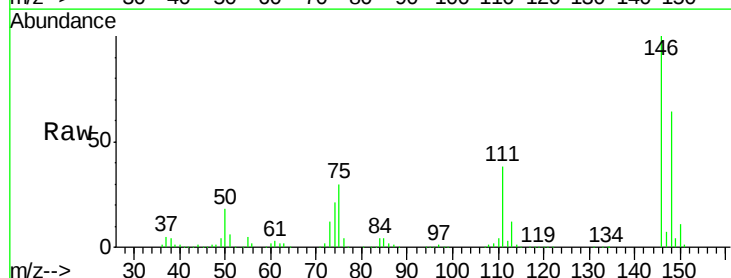
Manual Integrations
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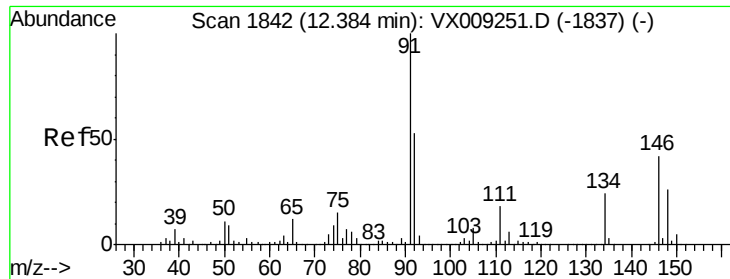
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#84
 1,4-Dichlorobenzene
 Concen: 19.633 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009307.D
 Acq: 03 May 2019 13:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.6	58.7
148	65.0	32.3	96.8





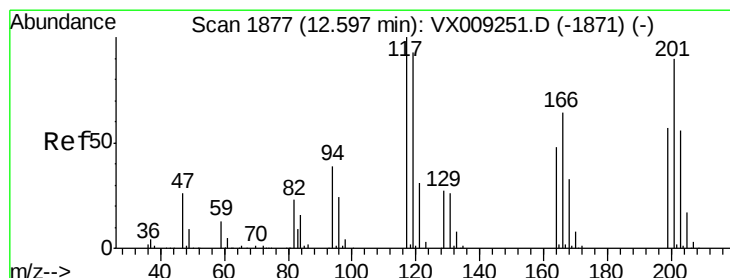
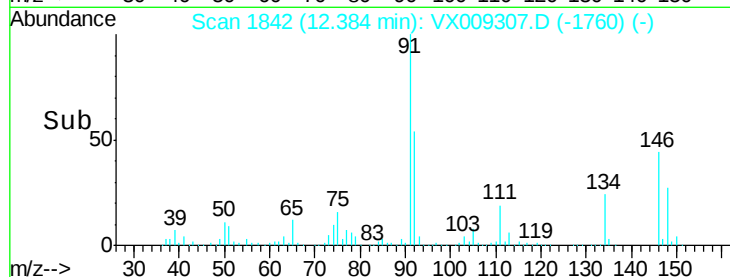
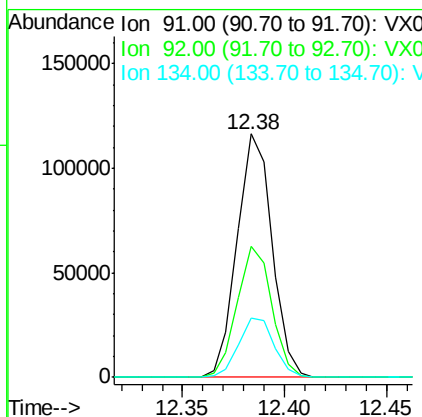
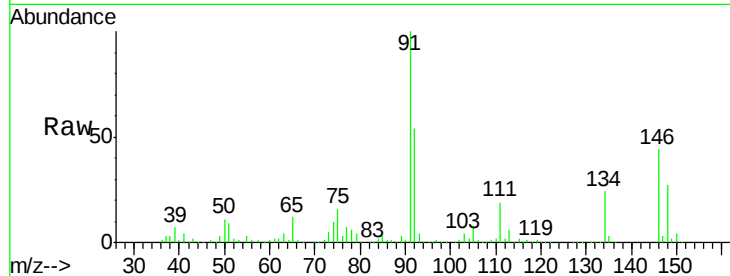
#85
n-Butylbenzene
Concen: 19.622 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	138460		
92	53.5	0.0	106.6	
134	24.8	0.0	50.0	

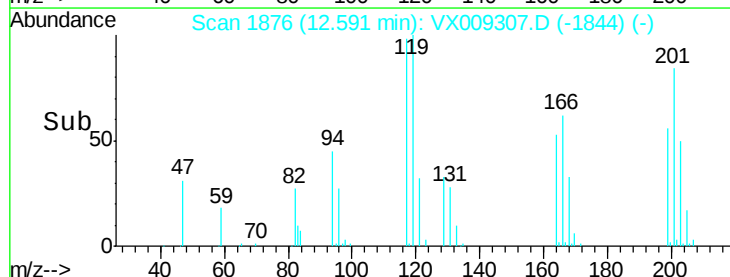
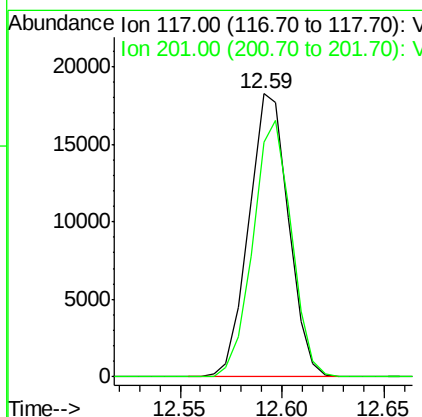
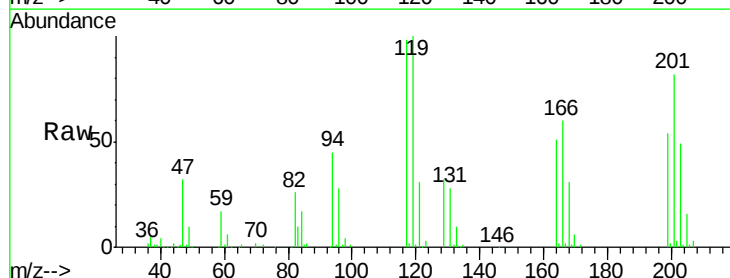
Manual Integrations
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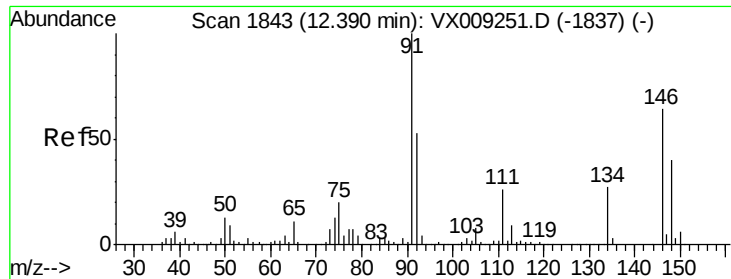
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#86
Hexachloroethane
Concen: 18.877 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	24771		
201	87.5	41.8	125.4	





#87

1,2-Dichlorobenzene

Concen: 20.042 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:146 Resp: 77568

Ion Ratio Lower Upper

146 100

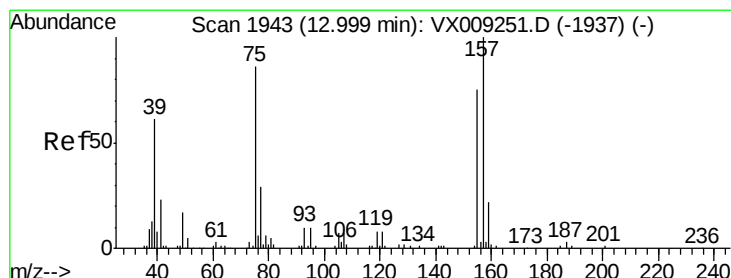
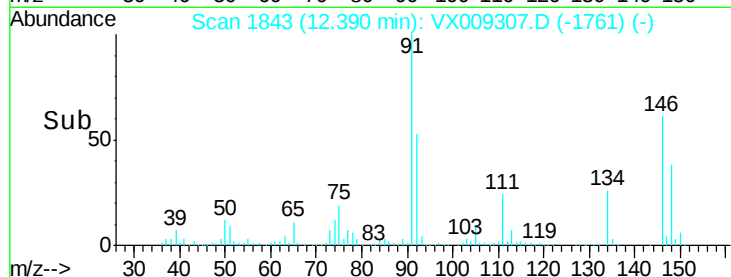
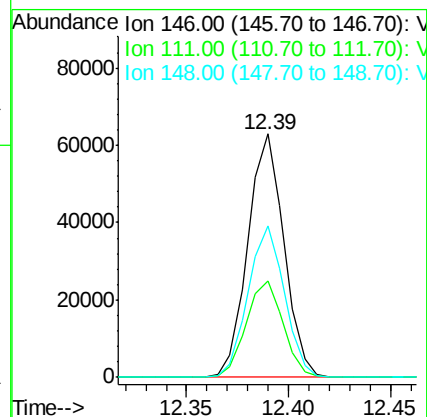
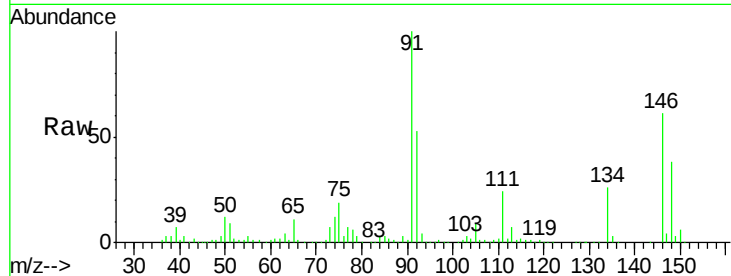
111 40.3 20.8 62.2

148 62.9 31.4 94.3

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 18.477 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

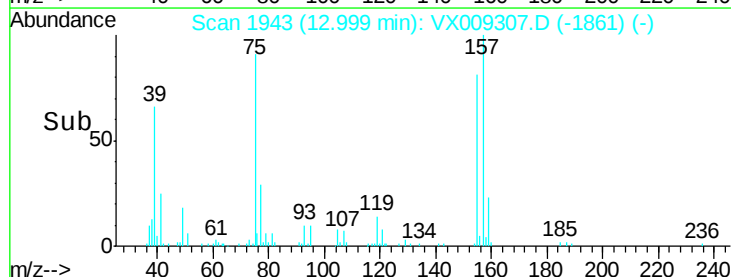
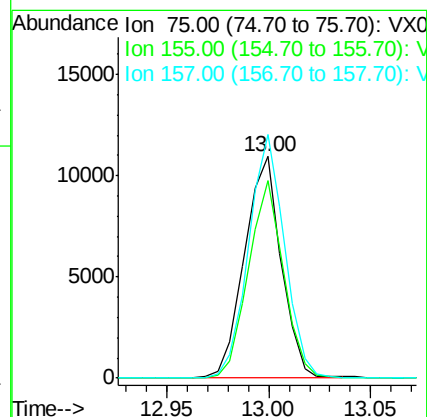
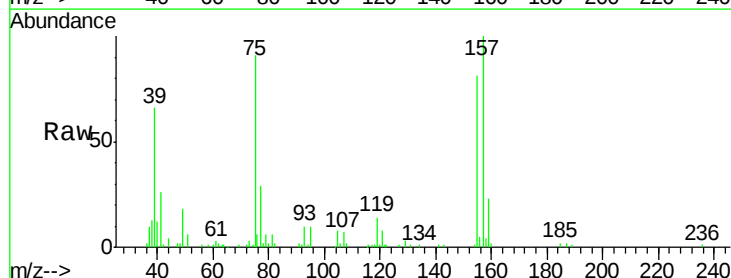
Tgt Ion: 75 Resp: 13702

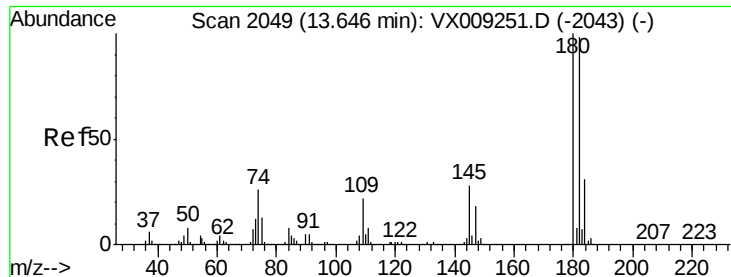
Ion Ratio Lower Upper

75 100

155 85.1 65.9 98.9

157 107.1 85.2 127.8





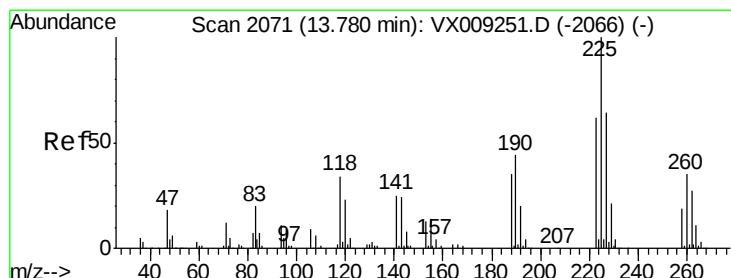
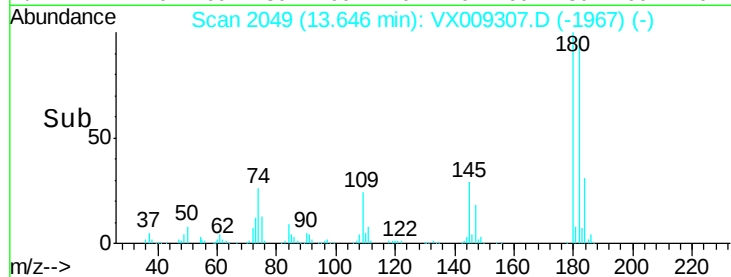
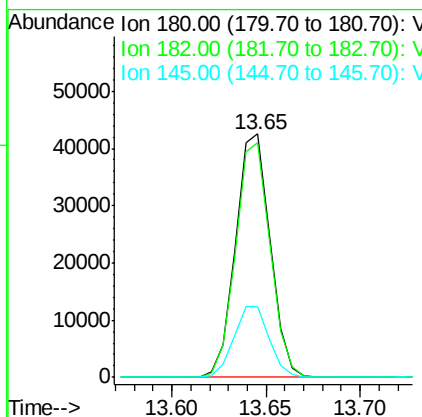
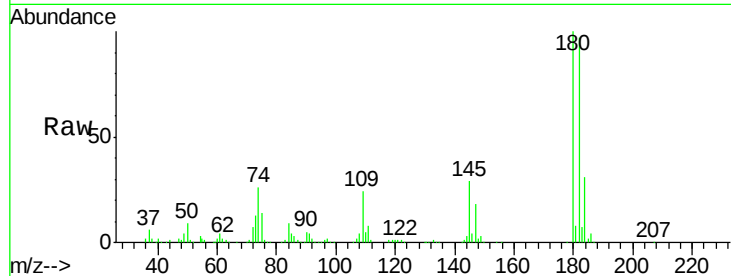
#89
 1,2,4-Trichlorobenzene
 Concen: 19.653 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009307.D
 Acq: 03 May 2019 13:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.9	115.3
145	29.7	23.0	34.6

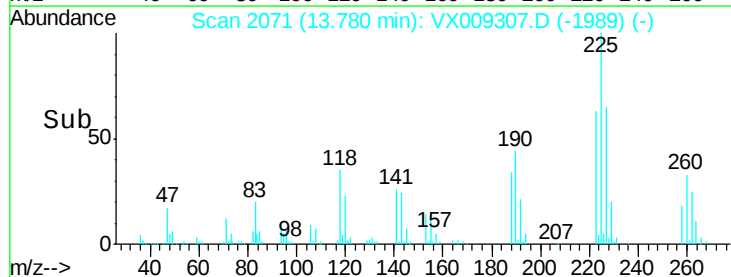
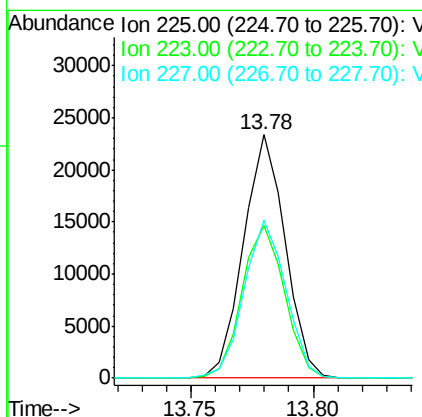
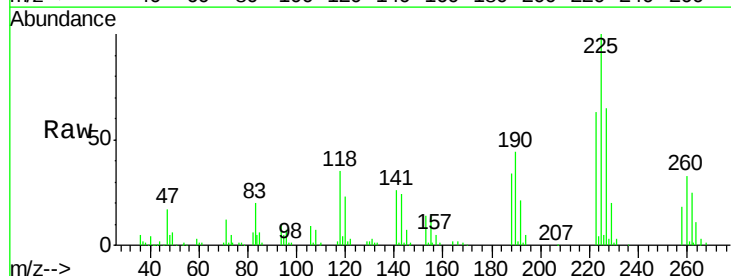
Manual Integrations
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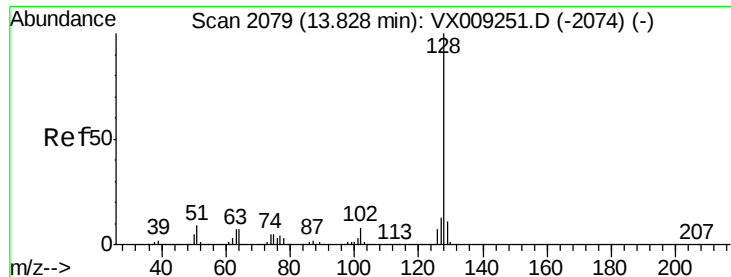
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#90
 Hexachlorobutadiene
 Concen: 20.136 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009307.D
 Acq: 03 May 2019 13:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	0.0	126.6
227	64.9	0.0	130.0





#91

Naphthalene

Concen: 19.834 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

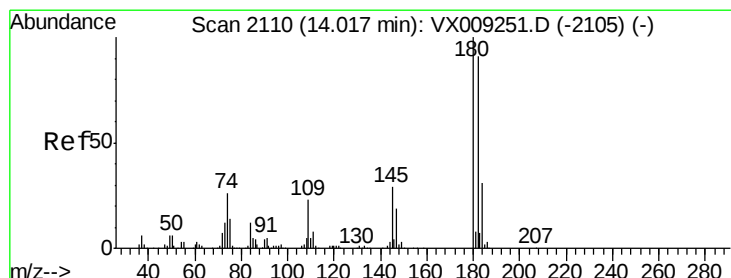
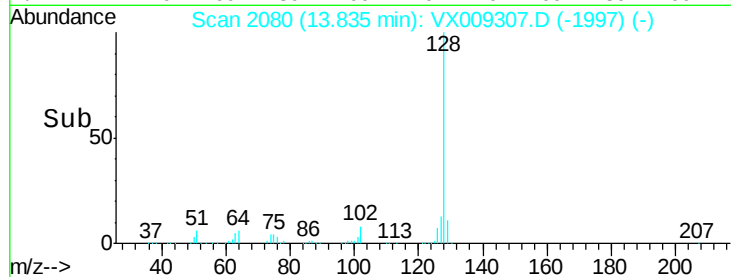
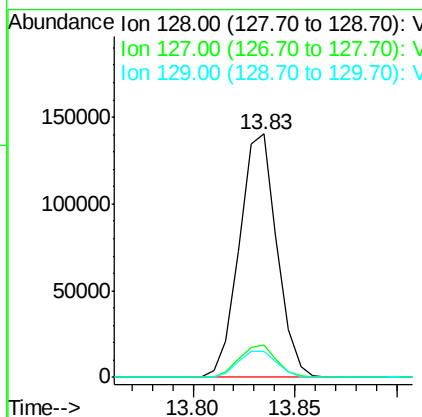
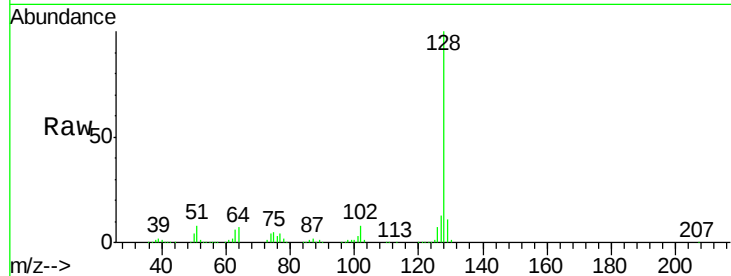
ClientSampleId :

VSTDCCC020EC

Tot Ion:	128	Resp:	179134
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.5	15.7
129	11.1	8.7	13.1

Manual Integrations
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5/6/2019 9:28:43 AM



#92

1,2,3-Trichlorobenzene

Concen: 20.271 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Tgt Ion:	180	Resp:	56843
Ion Ratio	Lower	Upper	
180	100		
182	95.1	0.0	189.0
145	30.3	0.0	61.6

