

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031220\
 Data File : VX015230.D
 Acq On : 12 Mar 2020 12:16
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 3/16/2020 11:43:33 AM

Quant Time: Mar 12 14:10:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X031220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 12 13:50:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	47389	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	270987	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	252223	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	100024	30.35	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.17%
60) 4-Bromofluorobenzene	11.13	95	119911	30.52	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.73%
63) Toluene-d8	8.71	98	313114	28.47	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	94.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	46334	21.895 ug/l	95
3) Chloromethane	1.32	50	69479	25.392 ug/l	97
4) Vinyl Chloride	1.40	62	70348	23.888 ug/l	99
5) Bromomethane	1.64	94	45126	21.882 ug/l	98
6) Chloroethane	1.72	64	44522	22.569 ug/l	100
7) Trichlorofluoromethane	1.93	101	90658	21.152 ug/l	94
8) Diethyl Ether	2.18	74	39916	22.139 ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	54174	21.862 ug/l	98
10) 1,1-Dichloroethene	2.37	96	54783	21.991 ug/l	98
11) Methyl Iodide	2.50	142	46339	15.309 ug/l	97
12) Methyl Acetate	2.76	43	64811	20.907 ug/l	95
13) Acrolein	2.28	56	51201	83.048 ug/l	98
14) Acrylonitrile	3.13	53	147135	105.098 ug/l	99
15) Acetone	2.44	58	51643	103.077 ug/l	95
16) Carbon Disulfide	2.56	76	140399	20.961 ug/l	99
17) Allyl chloride	2.72	41	95511	22.040 ug/l	90
18) Methylene Chloride	2.85	84	58525	20.390 ug/l	94
19) trans-1,2-Dichloroethene	3.16	96	54619	19.961 ug/l	98
20) Diisopropyl ether	3.84	45	192284	21.727 ug/l	96
21) 1,1-Dichloroethane	3.69	63	100965	20.812 ug/l	100
22) cis-1,2-Dichloroethene	4.59	96	64251	20.520 ug/l	99
23) tert-Butyl Alcohol	3.03	59	55984	100.880 ug/l	100
24) Methyl tert-Butyl Ether	3.19	73	166127	20.044 ug/l	95
25) Chloroform	5.20	83	101217	20.689 ug/l	97
26) Cyclohexane	5.58	56	96403	22.234 ug/l	# 95
29) 1,1-Dichloropropene	5.79	75	79803	20.820 ug/l	99
30) 2-Butanone	4.66	43	217776	98.435 ug/l	99
31) 2,2-Dichloropropane	4.58	77	79008	18.772 ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	87820	20.176 ug/l	98
33) Carbon Tetrachloride	5.78	117	74049	19.434 ug/l	97
34) Benzene	6.14	78	247883	21.432 ug/l	98
35) Methacrylonitrile	5.03	41	44207	19.588 ug/l	97
36) 1,2-Dichloroethane	6.19	62	83079m	20.294 ug/l	
37) Trichloroethene	7.20	130	65391	20.137 ug/l	100
38) Methylcyclohexane	7.46	83	91484	19.256 ug/l	98
39) 1,2-Dichloropropane	7.51	63	60905	20.458 ug/l	97
40) Dibromomethane	7.65	93	38953	19.595 ug/l	98

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Manual Integrations
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 12 13:50:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	74150	18.883	ug/l	95
42) Vinyl Acetate	3.81	43	806026	103.507	ug/l	99
43) Ethyl Acetate	4.82	43	78244	19.546	ug/l	97
44) Isopropyl Acetate	6.44	43	138460	20.575	ug/l	96
45) 1,4-Dioxane	7.75	88	25605	411.781	ug/l	98
46) Methyl methacrylate	7.76	41	65239	19.596	ug/l	97
47) n-amyl Acetate	10.89	43	120654	20.696	ug/l	97
48) t-1,3-Dichloropropene	9.04	75	80087	18.382	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	94676	19.739	ug/l	97
50) 1,1,2-Trichloroethane	9.21	97	57406	19.383	ug/l	94
51) Ethyl methacrylate	9.17	69	88150	19.284	ug/l	95
52) 1,3-Dichloropropane	9.37	76	97881	19.536	ug/l	100
53) Dibromochloromethane	9.57	129	59599	18.613	ug/l	95
54) 1,2-Dibromoethane	9.67	107	59774	19.009	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	222679	91.450	ug/l	98
56) Bromoform	10.85	173	47999	19.122	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	401837	97.212	ug/l	99
59) 2-Hexanone	9.48	43	304450	94.265	ug/l	99
61) Tetrachloroethene	9.33	164	66966	19.768	ug/l	95
62) Toluene	8.78	91	247286	19.141	ug/l	99
64) Chlorobenzene	10.14	112	165893	20.118	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.21	131	61089	20.000	ug/l	99
66) Ethyl Benzene	10.25	91	286778	20.151	ug/l	100
67) m/p-Xylenes	10.36	106	219617	40.020	ug/l	100
68) o-Xylene	10.70	106	104402	19.662	ug/l	99
69) Styrene	10.71	104	183251	20.207	ug/l	99
70) Isopropylbenzene	11.01	105	283535	20.103	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	90369	19.900	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	76076m	20.196	ug/l	
73) Bromobenzene	11.25	156	75526	19.818	ug/l	94
74) n-propylbenzene	11.35	91	323724	20.166	ug/l	100
75) 2-Chlorotoluene	11.42	91	190525	20.084	ug/l	99
76) 1,3,5-Trimethylbenzene	11.50	105	236121	19.976	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	28827	18.978	ug/l	99
78) 4-Chlorotoluene	11.51	91	221394	20.176	ug/l	99
79) tert-butylbenzene	11.76	119	209044	18.305	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	223113	18.986	ug/l	100
81) sec-Butylbenzene	11.94	105	260409	19.041	ug/l	100
82) p-Isopropyltoluene	12.06	119	241382	18.998	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	128117	19.177	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	126668	18.828	ug/l	99
85) n-Butylbenzene	12.39	91	209987	18.993	ug/l	99
86) Hexachloroethane	12.59	117	40314	17.554	ug/l	95
87) 1,2-Dichlorobenzene	12.39	146	124717	18.760	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	17141	17.331	ug/l	94
89) 1,2,4-Trichlorobenzene	13.64	180	89731	18.769	ug/l	99
90) Hexachlorobutadiene	13.78	225	47814	20.138	ug/l	96
91) Naphthalene	13.83	128	250474	18.506	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	90548	19.077	ug/l	100

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ClientSampleId :
VSTDICCC020

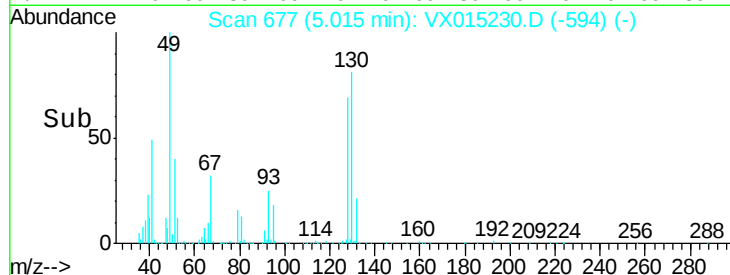
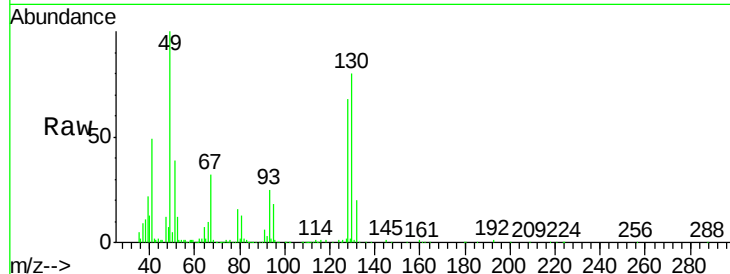
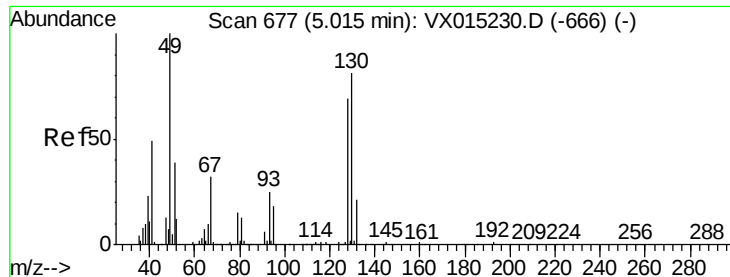
Manual Integrations
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QLast Update : Thu Mar 12 13:50:02 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



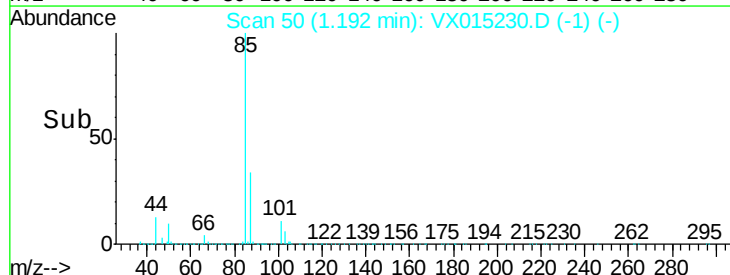
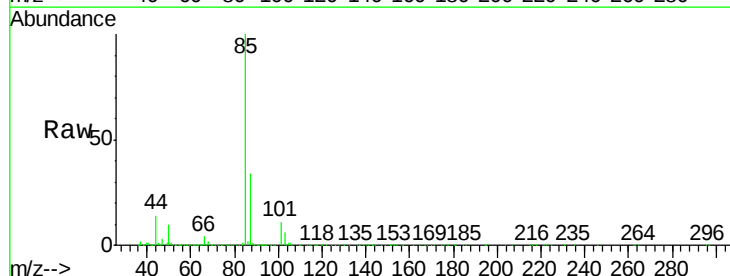
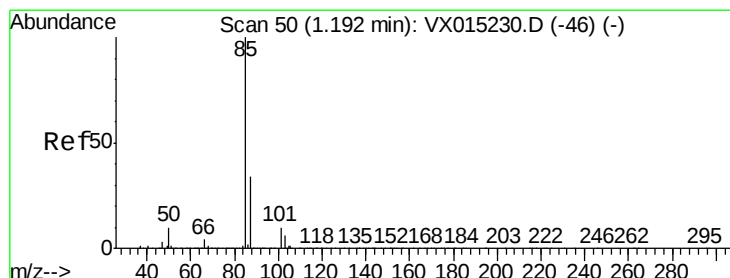
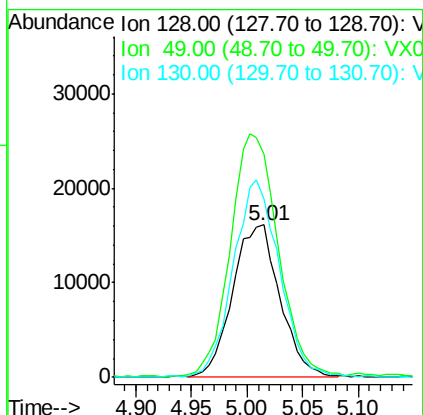
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.01 min Scan# 677
Delta R.T. 0.01 min
Lab File: VX015230.D
Acq: 12 Mar 2020 12:16

Tot Ion	Ratio	Lower	Upper
128	100		
49	162.7	0.0	384.7
130	127.7	0.0	330.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

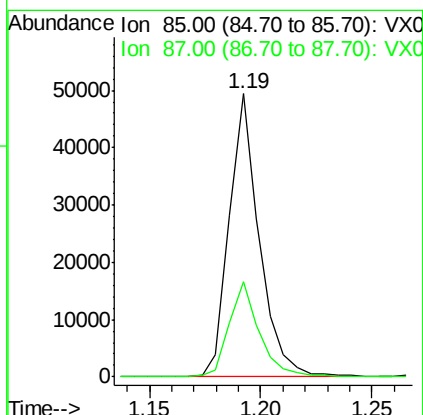
Manual Integrations
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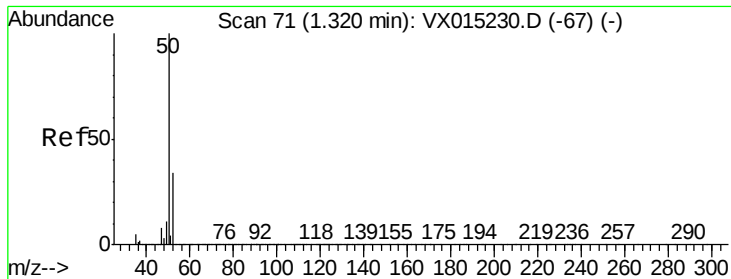
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#2
Dichlorodifluoromethane
Concen: 21.895 ug/l
RT: 1.19 min Scan# 50
Delta R.T. 0.00 min
Lab File: VX015230.D
Acq: 12 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.4	15.3	45.9





#3

Chloromethane

Concen: 25.392 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX015230.D

Acq: 12 Mar 2020 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 50 Resp: 69479

Ion Ratio Lower Upper

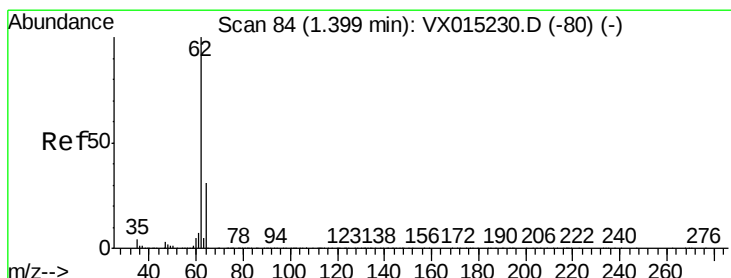
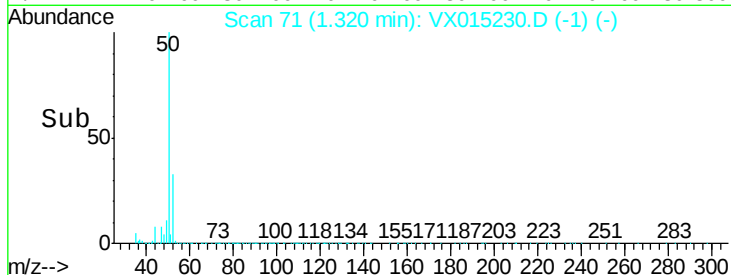
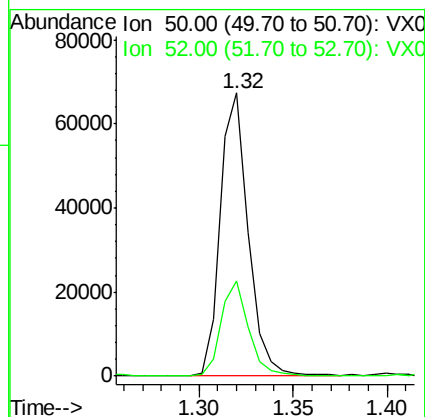
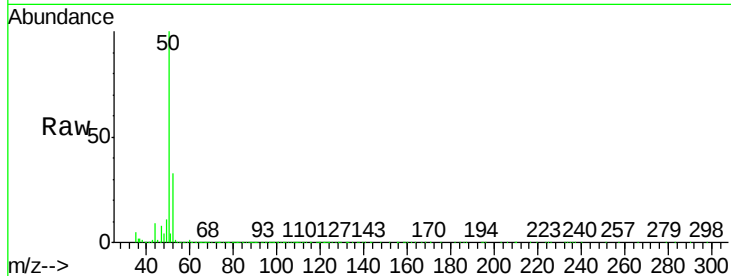
50 100

52 33.6 25.4 38.0

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#4

Vinyl Chloride

Concen: 23.888 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.01 min

Lab File: VX015230.D

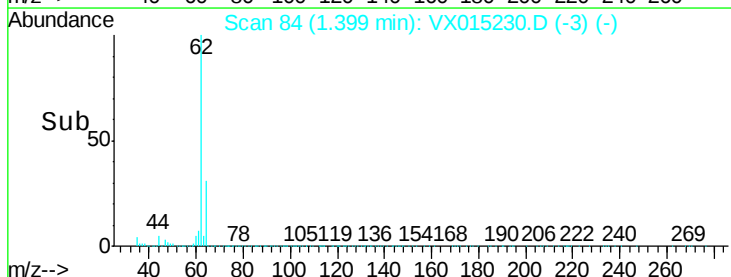
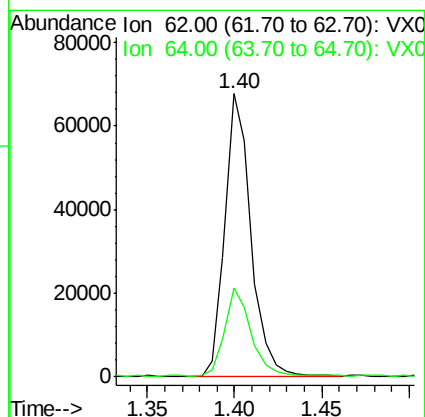
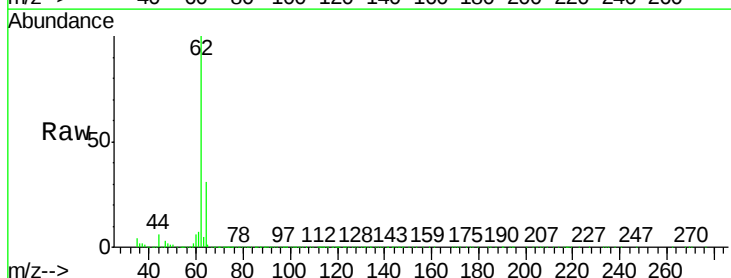
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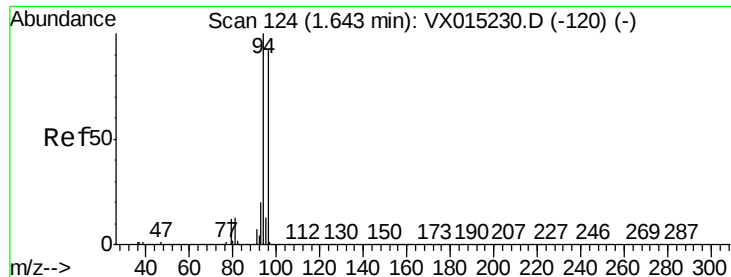
Tgt Ion: 62 Resp: 70348

Ion Ratio Lower Upper

62 100

64 31.1 25.4 38.0





#5

Bromomethane

Concen: 21.882 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.00 min

Lab File: VX015230.D

Acq: 12 Mar 2020 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 94 Resp: 45126

Ion Ratio Lower Upper

94 100

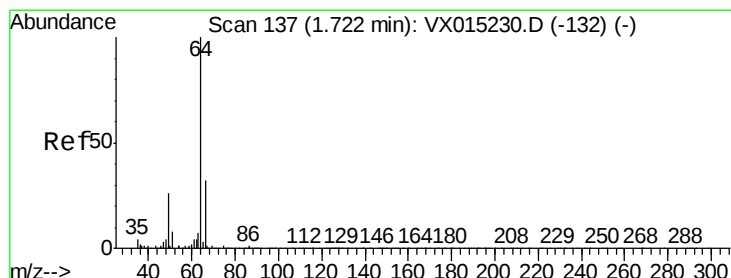
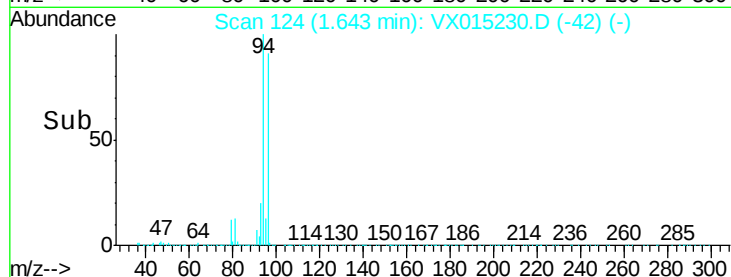
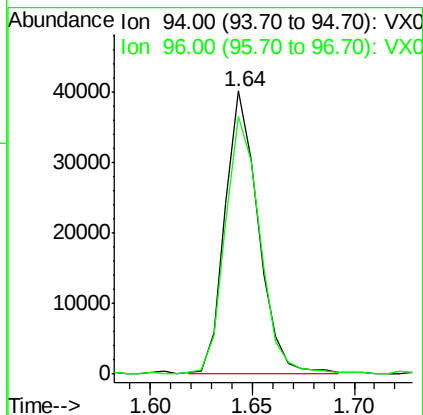
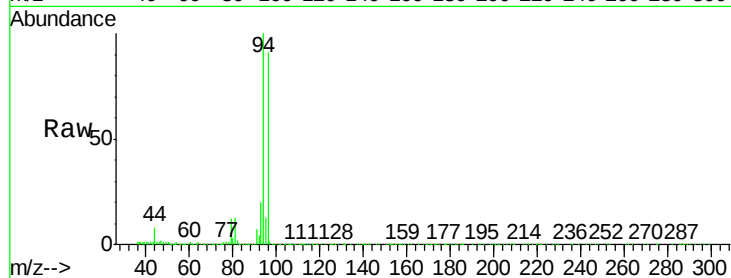
96 91.2 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 22.569 ug/l

RT: 1.72 min Scan# 137

Delta R.T. -0.01 min

Lab File: VX015230.D

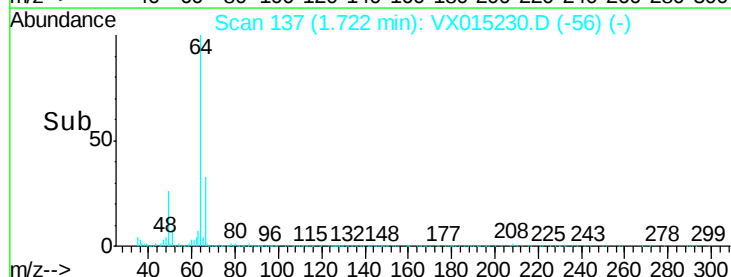
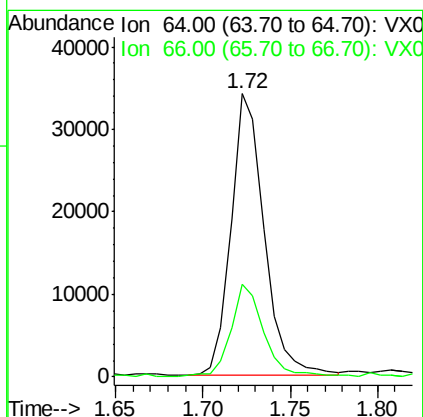
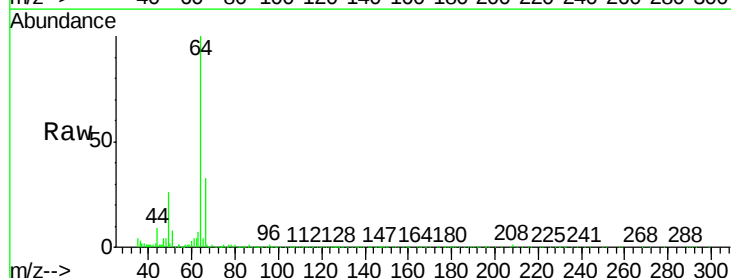
Acq: 12 Mar 2020 12:16

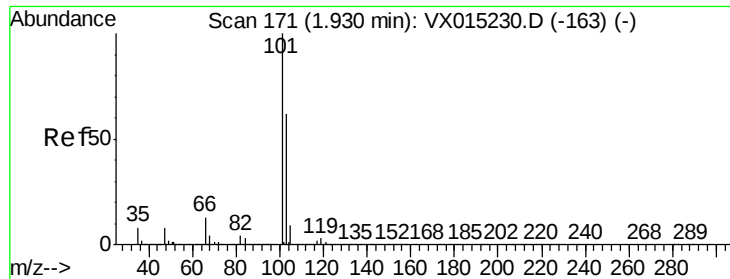
Tgt Ion: 64 Resp: 44522

Ion Ratio Lower Upper

64 100

66 32.4 25.8 38.6





#7

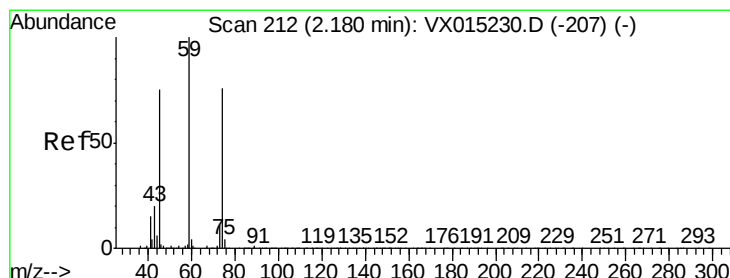
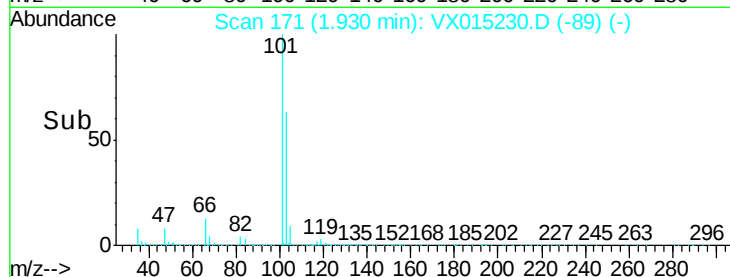
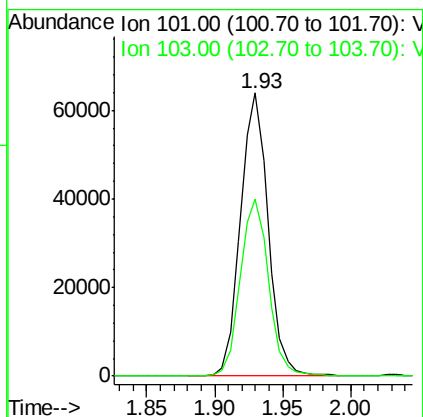
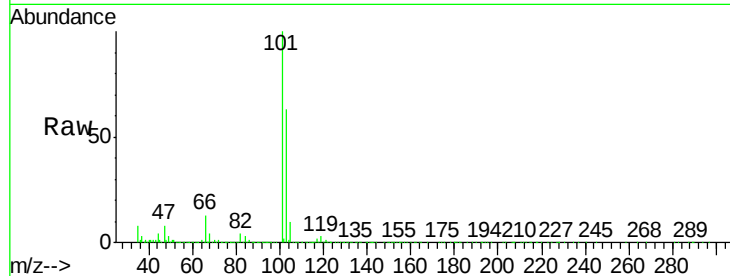
Trichlorofluoromethane
Concen: 21.152 ug/l
RT: 1.93 min Scan# 171
Delta R.T. 0.00 min
Lab File: VX015230.D
Acq: 12 Mar 2020 12:16

Instrument :
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ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	53.4	80.2

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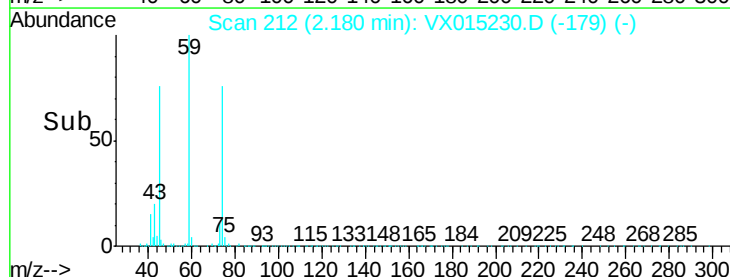
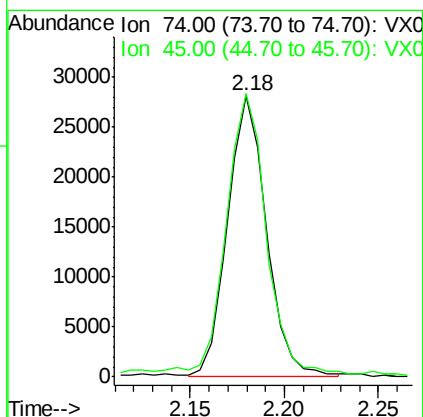
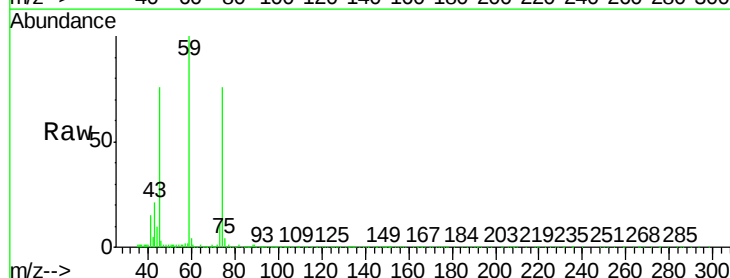
MMDadoda
3/16/2020 11:43:33 AM

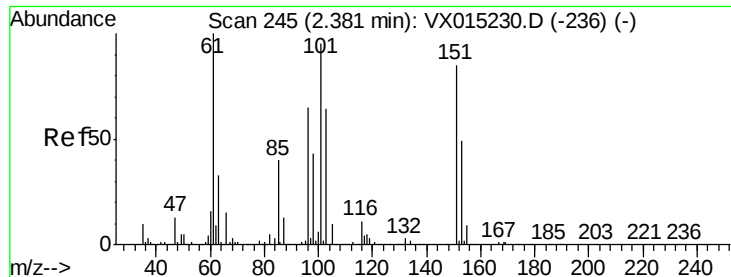


#8

Diethyl Ether
Concen: 22.139 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX015230.D
Acq: 12 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.3	19.6	176.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.862 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.00 min

Lab File: VX015230.D

Acq: 12 Mar 2020 12:16

Instrument :

MSVOA_X

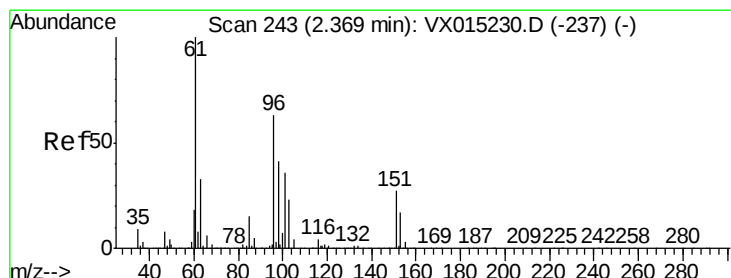
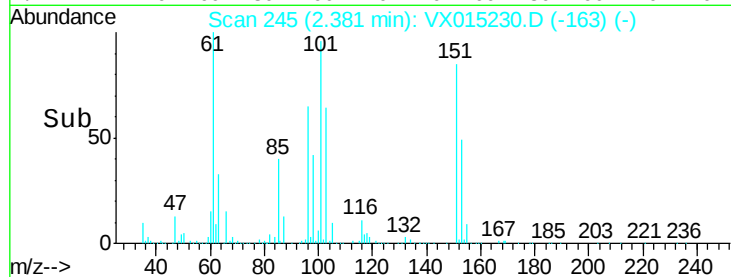
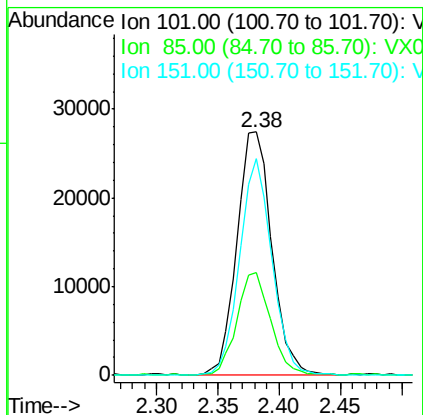
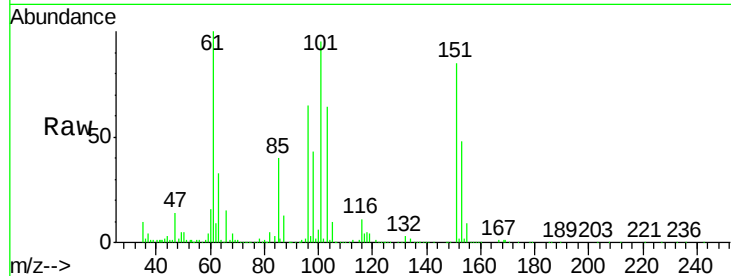
ClientSampleId :

VSTDICCC020

Tot Ion:	101	Resp:	54174
Ion Ratio	Lower	Upper	
101	100		
85	41.0	0.0	86.6
151	82.5	0.0	167.4

Manual Integrations
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3/16/2020 11:43:33 AM



#10

1,1-Dichloroethene

Concen: 21.991 ug/l

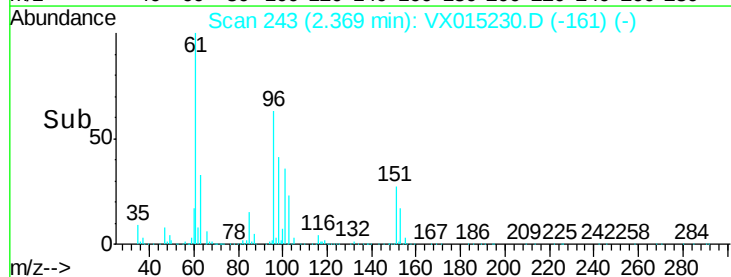
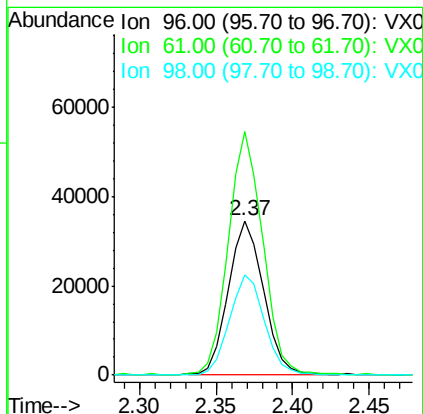
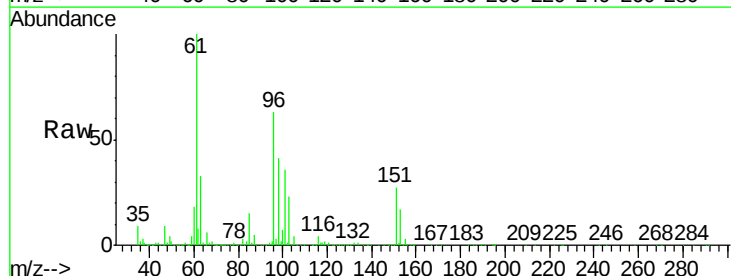
RT: 2.37 min Scan# 243

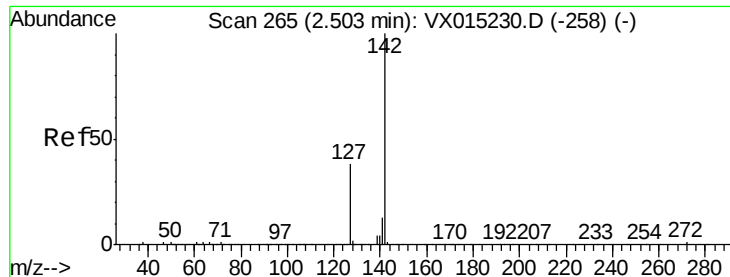
Delta R.T. 0.00 min

Lab File: VX015230.D

Acq: 12 Mar 2020 12:16

Tgt Ion:	96	Resp:	54783
Ion Ratio	Lower	Upper	
96	100		
61	157.7	126.1	189.1
98	65.1	48.2	72.2





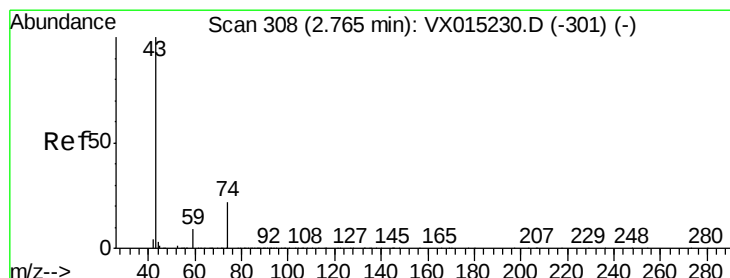
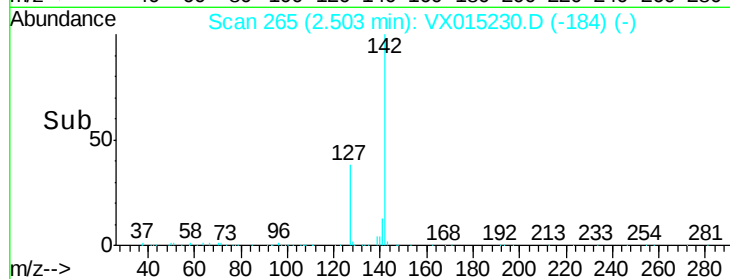
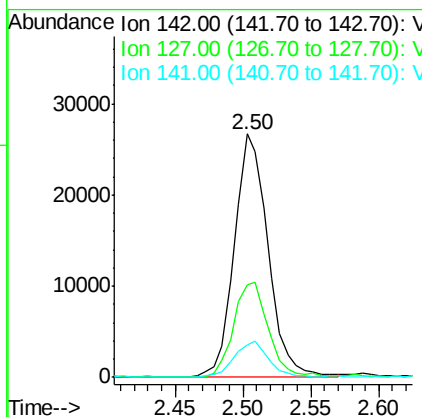
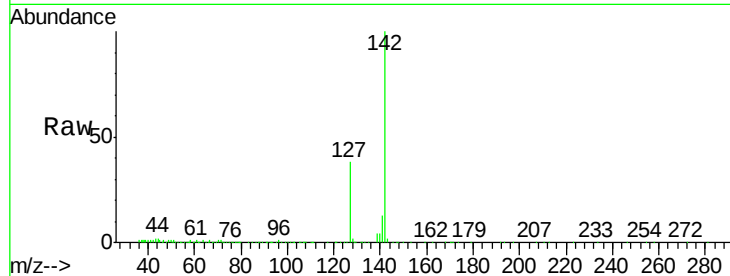
#11
Methyl Iodide
Concen: 15.309 ug/l
RT: 2.50 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX015230.D
Acq: 12 Mar 2020 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	37.9	19.7	59.0
141	13.1	7.4	22.2

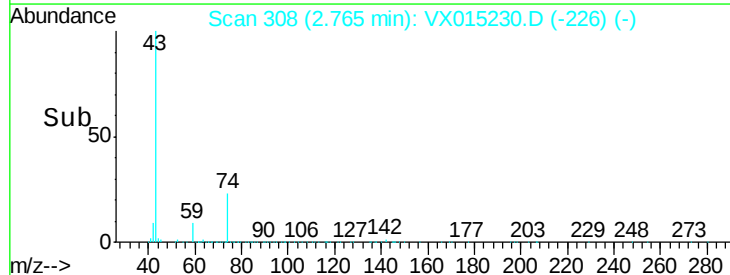
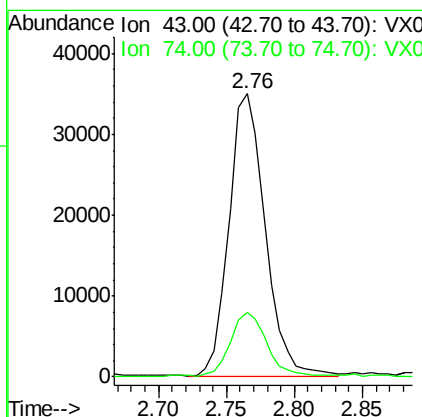
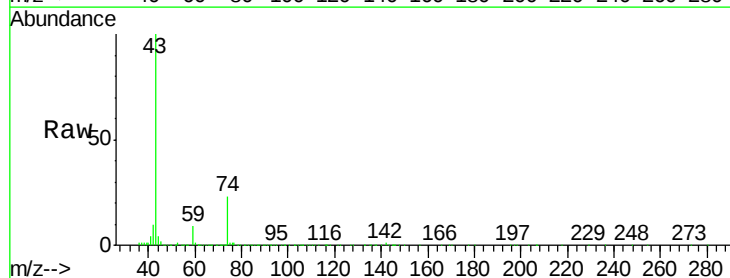
Manual Integrations
APPROVED

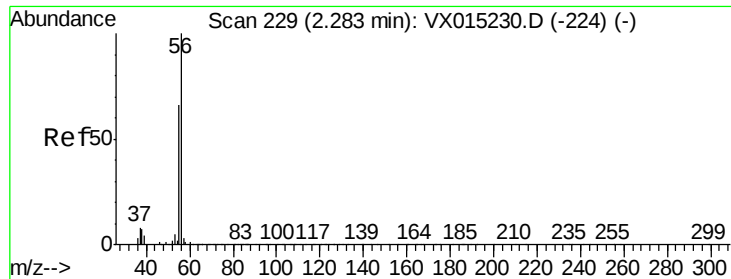
MMDadoda
3/16/2020 11:43:33 AM



#12
Methyl Acetate
Concen: 20.907 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX015230.D
Acq: 12 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	19.8	29.8





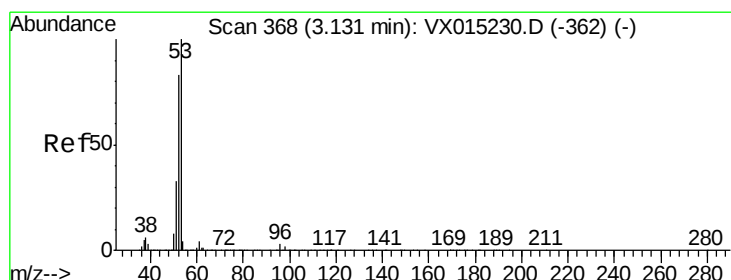
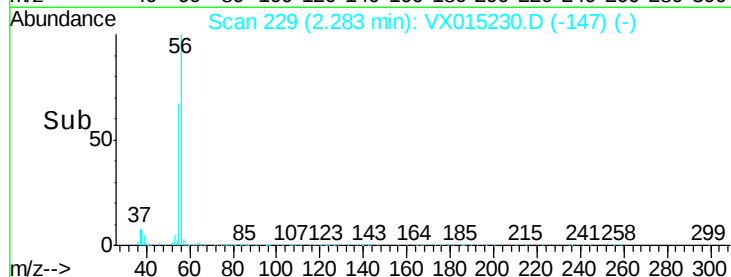
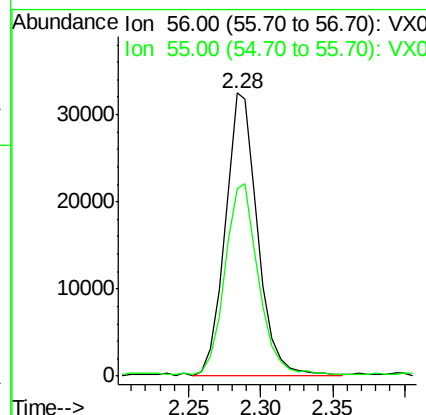
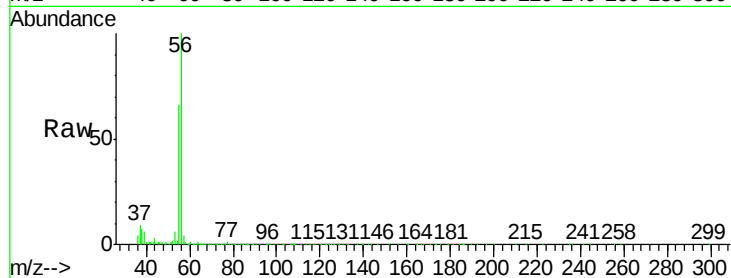
#13
Acrolein
Concen: 83.048 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX015230.D
Acq: 12 Mar 2020 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	68.9	56.2	84.2

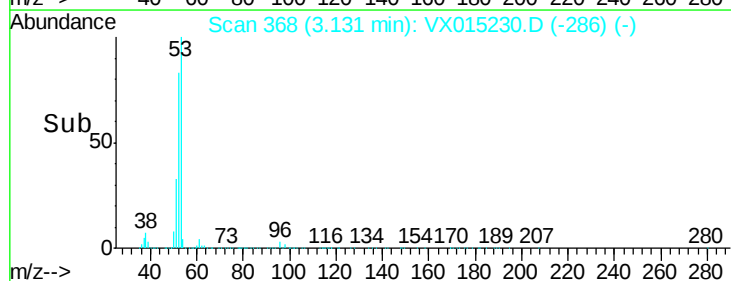
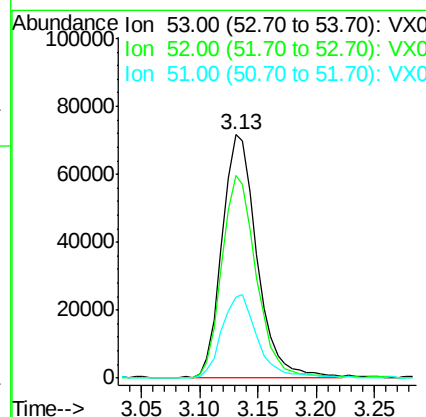
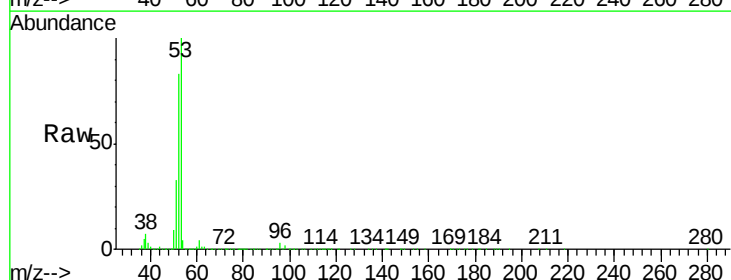
Manual Integrations
APPROVED

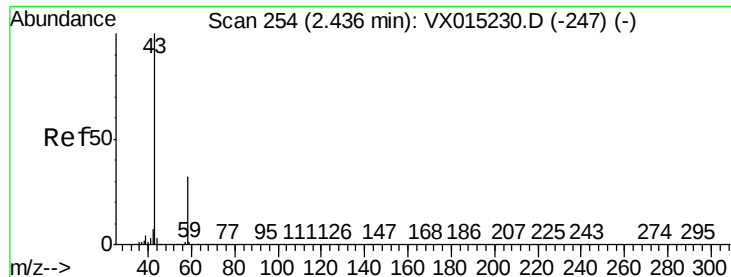
MMDadoda
3/16/2020 11:43:33 AM



#14
Acrylonitrile
Concen: 105.098 ug/l
RT: 3.13 min Scan# 368
Delta R.T. 0.00 min
Lab File: VX015230.D
Acq: 12 Mar 2020 12:16

Tgt Ion	Ion	Ratio	Lower	Upper
53	53	100		
52	52	83.0	41.5	124.6
51	51	35.4	18.1	54.4





#15

Acetone

Concen: 103.077 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX015230.D

Acq: 12 Mar 2020 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 58 Resp: 51643

Ion Ratio Lower Upper

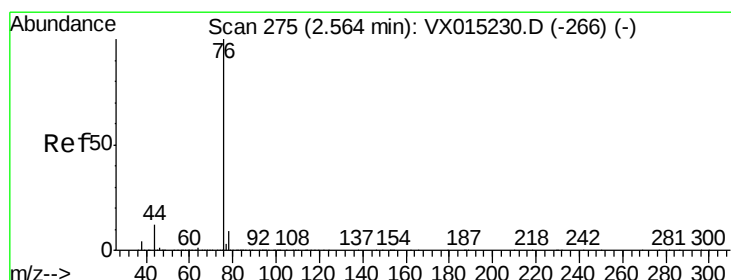
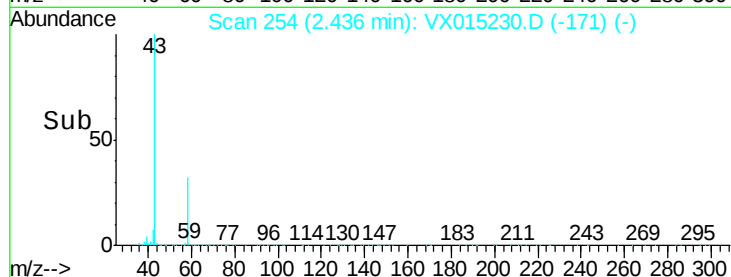
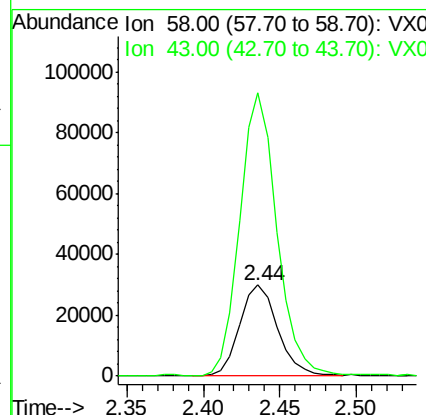
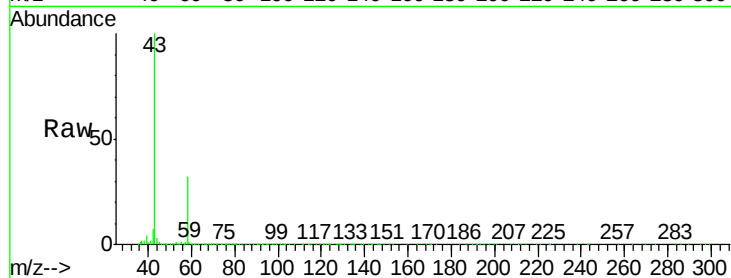
58 100

43 310.9 257.7 386.5

Manual Integrations
APPROVED

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#16

Carbon Disulfide

Concen: 20.961 ug/l

RT: 2.56 min Scan# 275

Delta R.T. -0.01 min

Lab File: VX015230.D

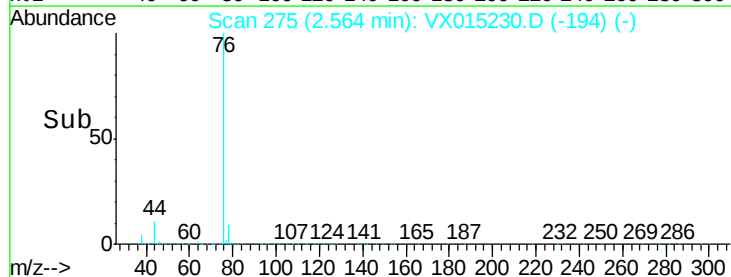
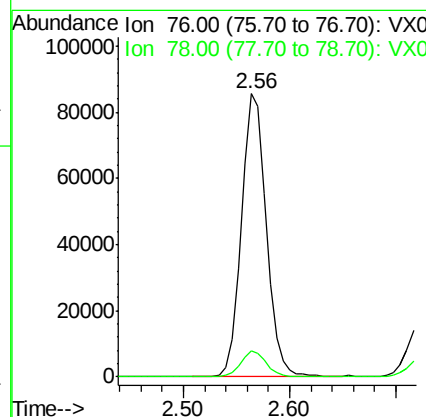
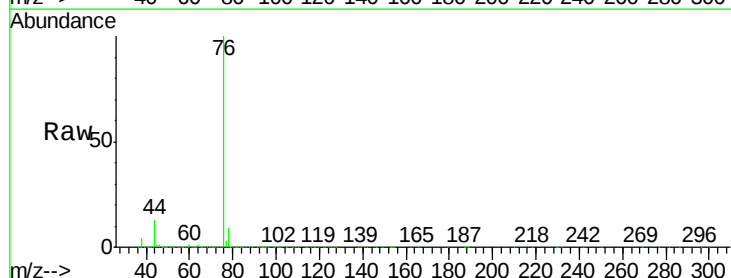
Acq: 12 Mar 2020 12:16

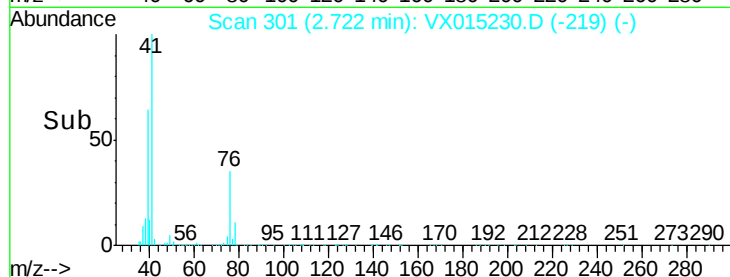
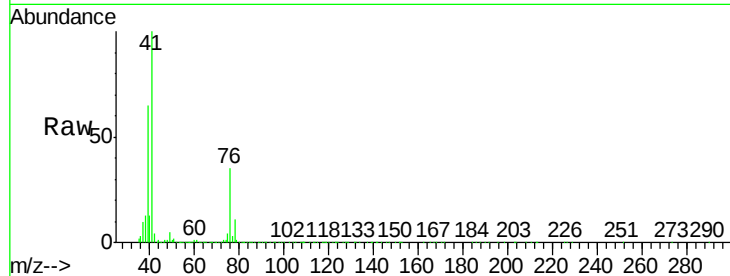
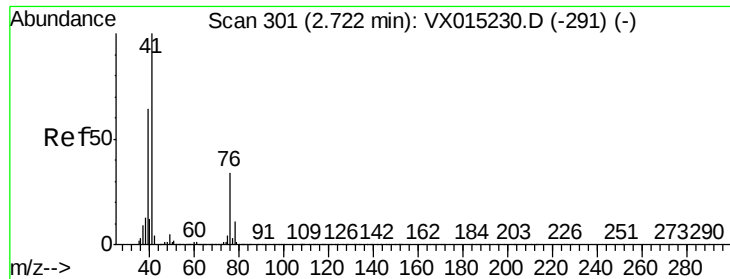
Tgt Ion: 76 Resp: 140399

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7





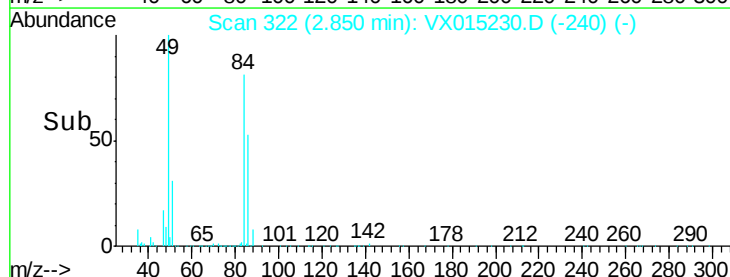
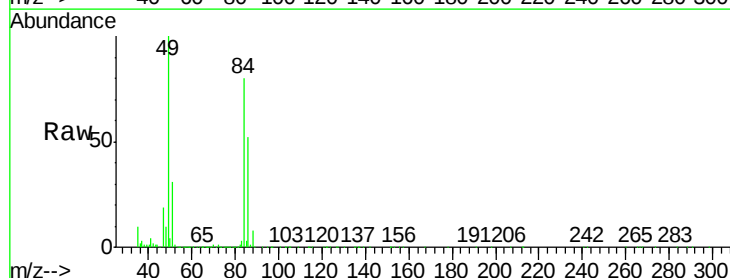
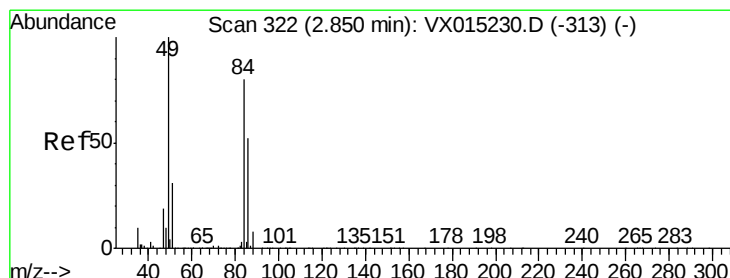
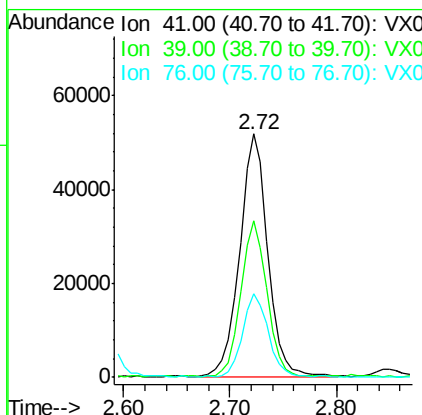
#17
Allvl chloride
Concen: 22.040 ug/l
RT: 2.72 min Scan# 301
Delta R.T. 0.00 min
Lab File: VX015230.D
Acq: 12 Mar 2020 12:16

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.3	37.1	111.5
76	34.3	18.8	56.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

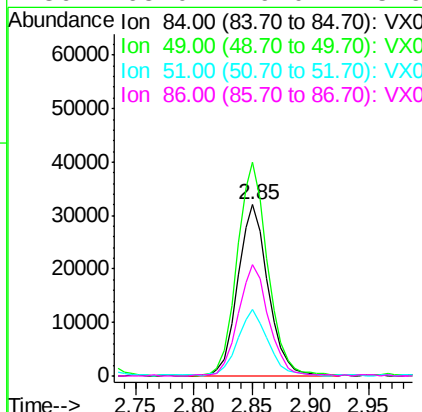
Manual Integrations
APPROVED

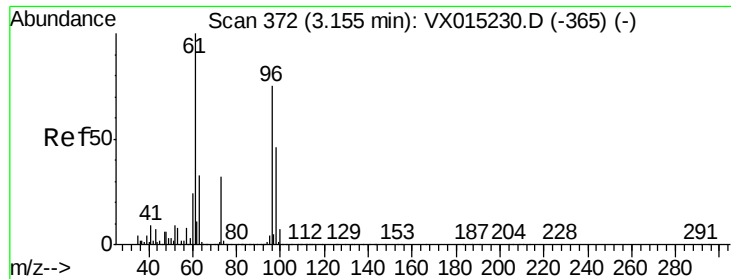
MMDadoda
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#18
Methylene Chloride
Concen: 20.390 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX015230.D
Acq: 12 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.4	92.2	138.2
51	38.8	29.7	44.5
86	65.0	49.0	73.6





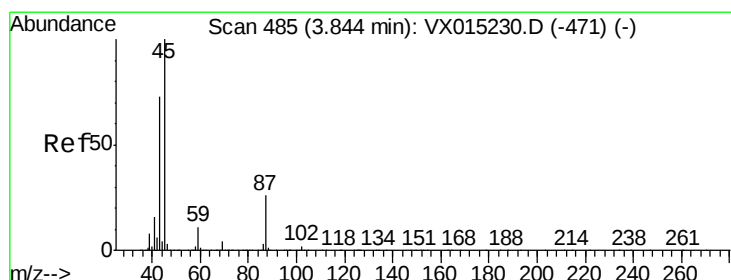
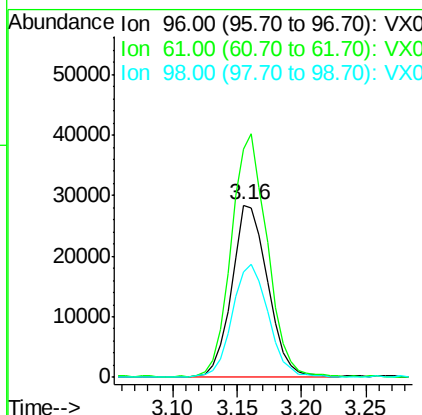
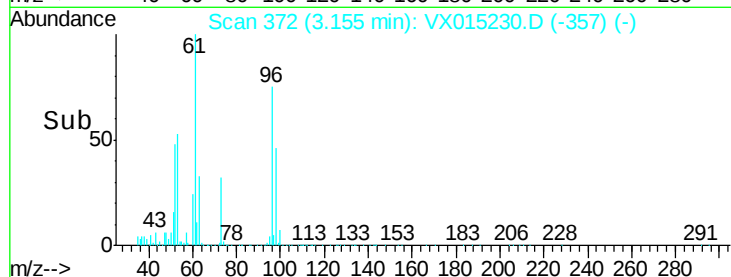
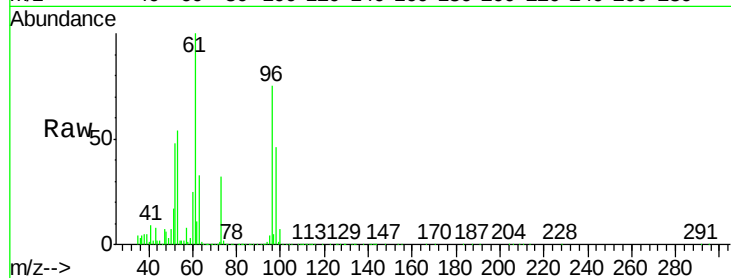
#19
trans-1,2-Dichloroethene
Concen: 19.961 ug/l
RT: 3.16 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX015230.D
Acq: 12 Mar 2020 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	132.9	107.1	160.7	
98	61.4	51.4	77.2	

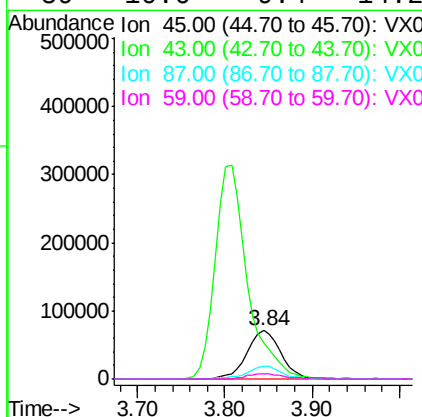
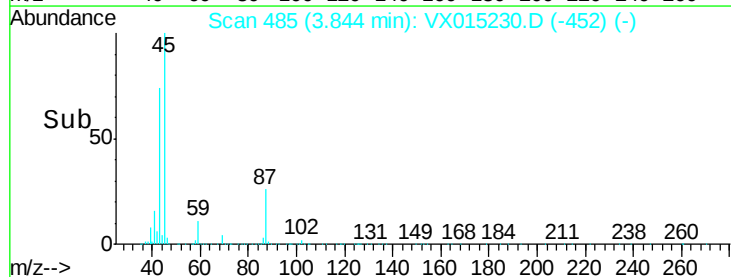
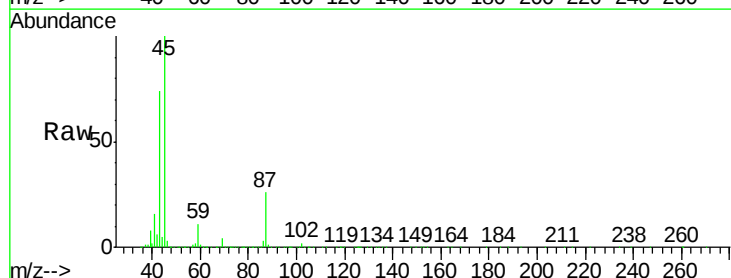
Manual Integrations
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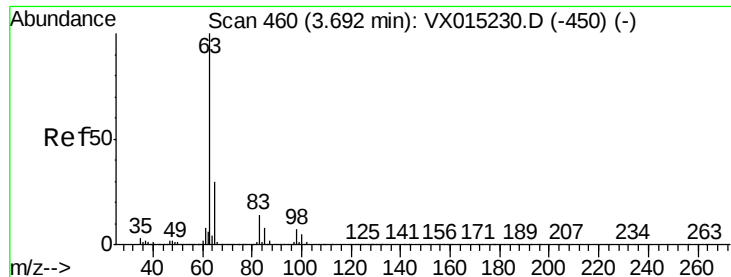
MMDadoda
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#20
Diisopropyl ether
Concen: 21.727 ug/l
RT: 3.84 min Scan# 485
Delta R.T. 0.00 min
Lab File: VX015230.D
Acq: 12 Mar 2020 12:16

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	73.2	62.3	93.5	
87	26.2	21.8	32.6	
59	10.6	9.4	14.2	





#21

1,1-Dichloroethane

Concen: 20.812 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.00 min

Lab File: VX015230.D

Acq: 12 Mar 2020 12:16

Instrument :

MSVOA_X

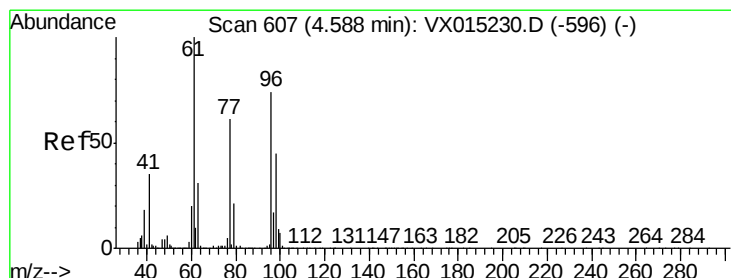
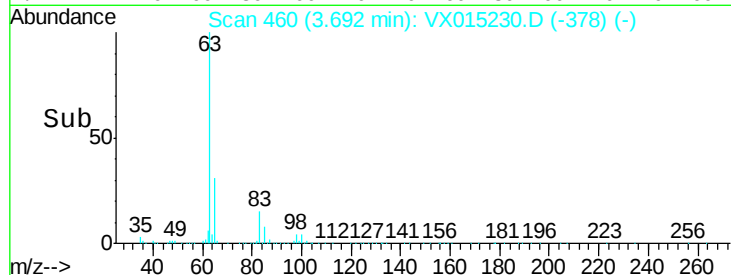
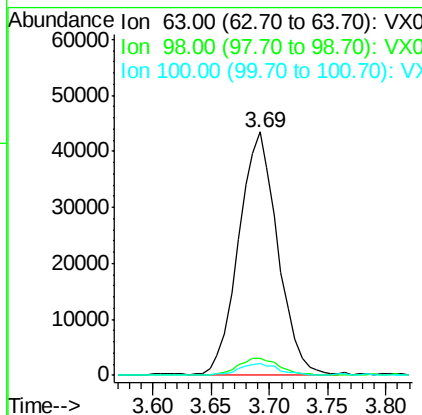
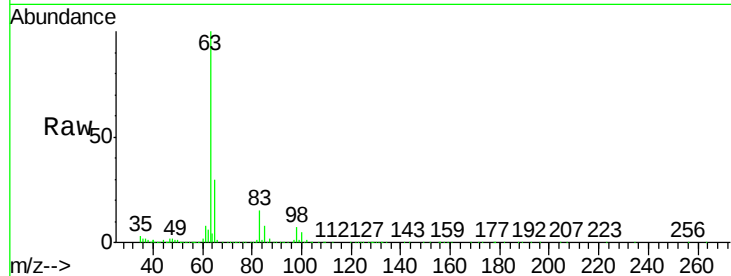
ClientSampleId :

VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
63	100	100965		
98	7.1		3.5	10.5
100	4.7		2.5	7.5

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 20.520 ug/l

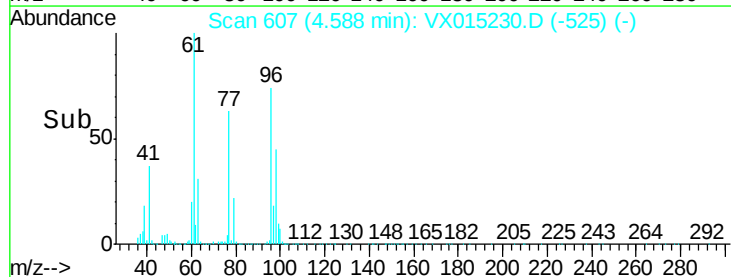
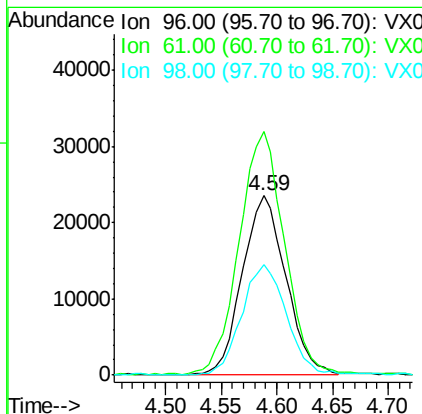
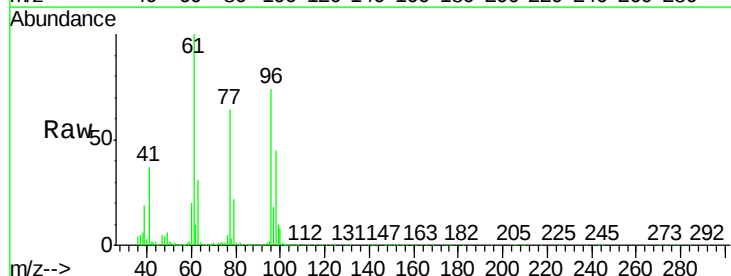
RT: 4.59 min Scan# 607

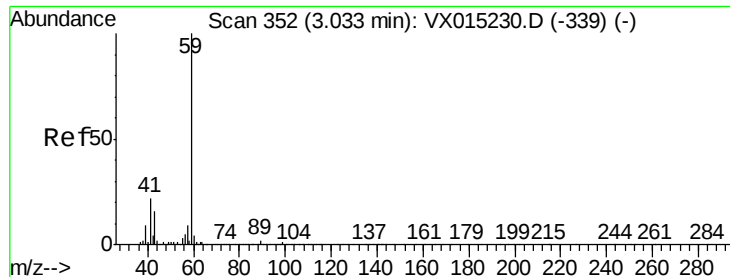
Delta R.T. 0.00 min

Lab File: VX015230.D

Acq: 12 Mar 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	64251		
61	139.2		110.6	165.8
98	62.6		50.4	75.6





#23

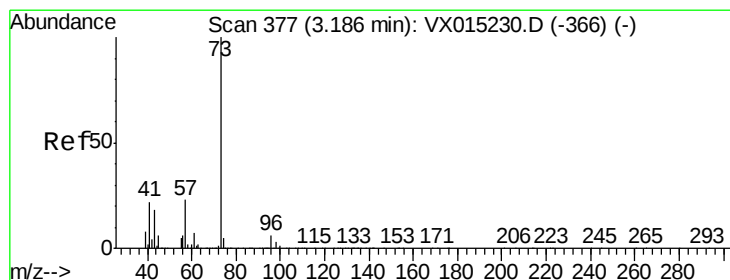
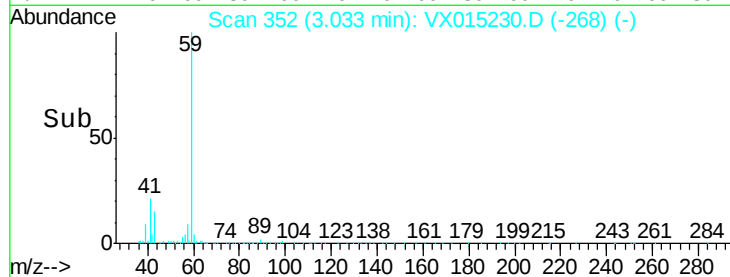
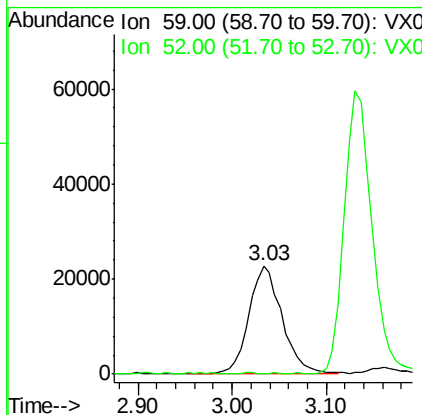
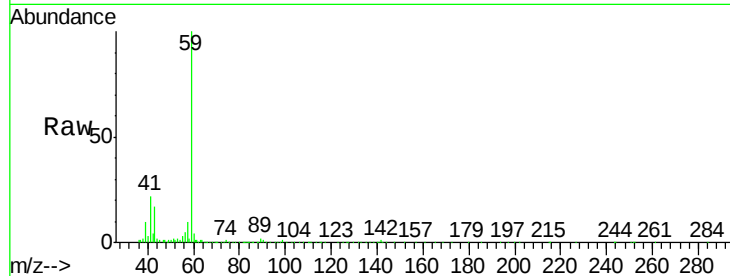
tert-Butyl Alcohol
Concen: 100.880 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX015230.D
Acq: 12 Mar 2020 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.5	0.4	0.6

Manual Integrations
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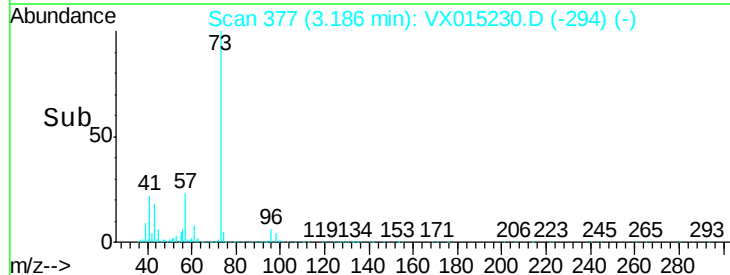
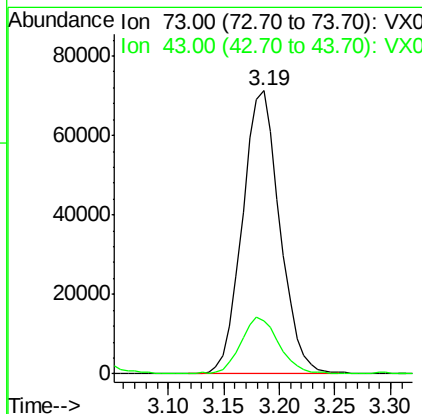
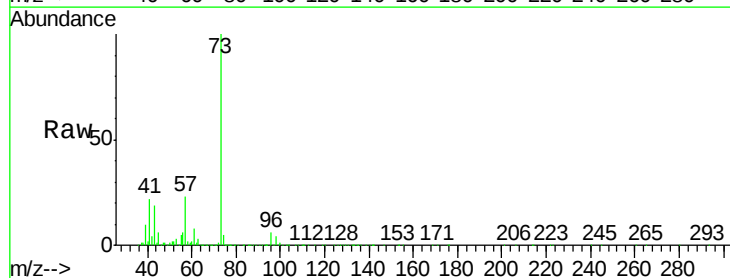
MMDadoda
3/16/2020 11:43:33 AM

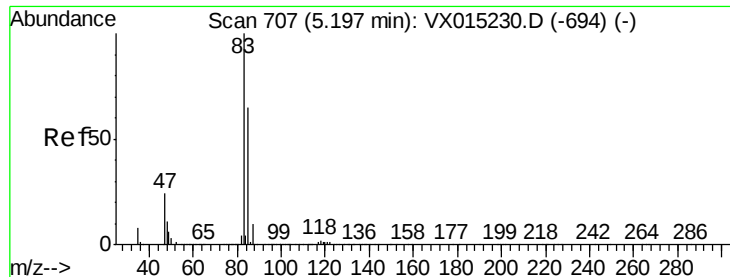


#24

Methyl tert-Butyl Ether
Concen: 20.044 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.01 min
Lab File: VX015230.D
Acq: 12 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.9	17.7	26.5





#25

Chloroform

Concen: 20.689 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.01 min

Lab File: VX015230.D

Acq: 12 Mar 2020 12:16

Instrument :

MSVOA_X

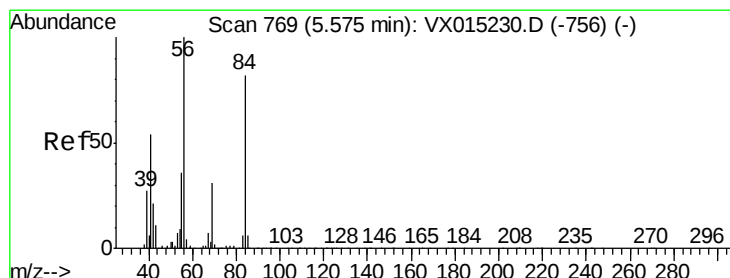
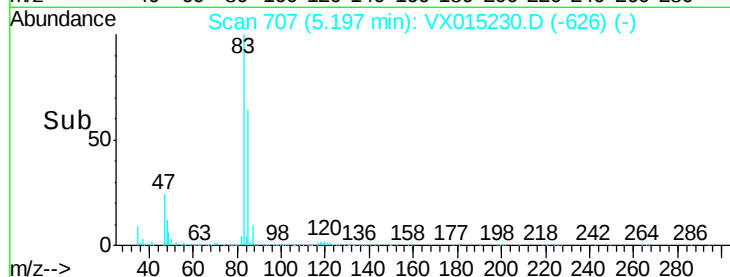
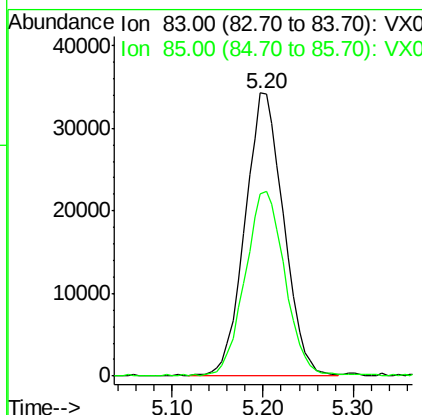
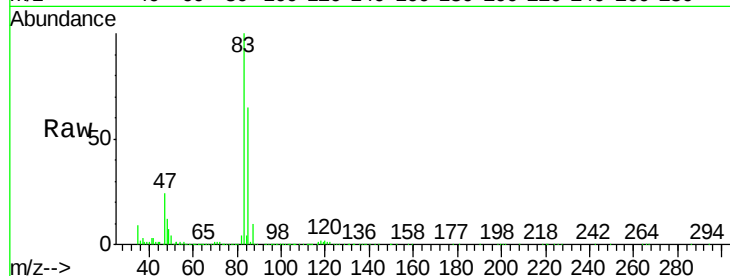
ClientSampleId :

VSTDICCC020

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.3	53.4	80.0

Manual Integrations
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MMDadoda
3/16/2020 11:43:33 AM



#26

Cyclohexane

Concen: 22.234 ug/l

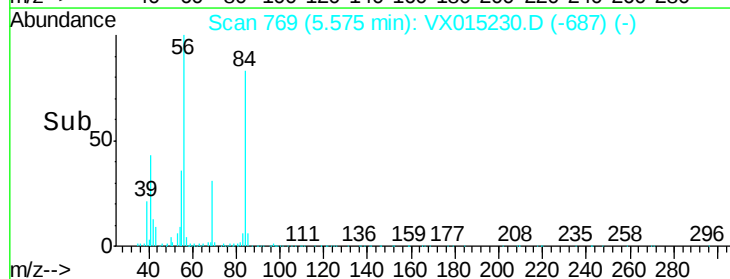
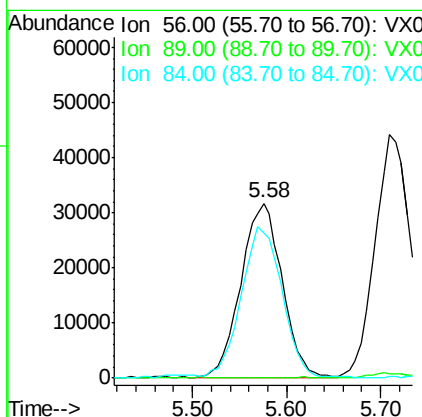
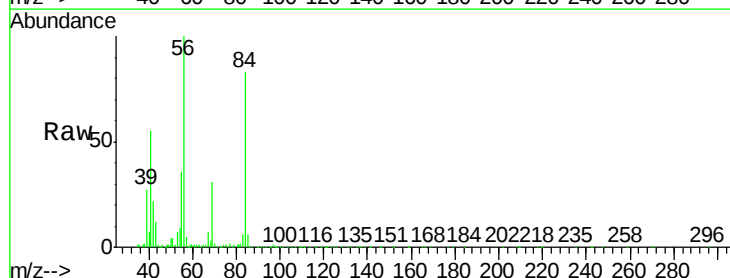
RT: 5.58 min Scan# 769

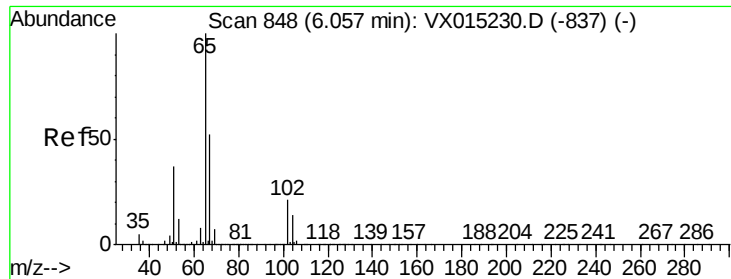
Delta R.T. 0.00 min

Lab File: VX015230.D

Acq: 12 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
56	100		
89	0.1	0.2	0.2#
84	85.3	71.8	107.8





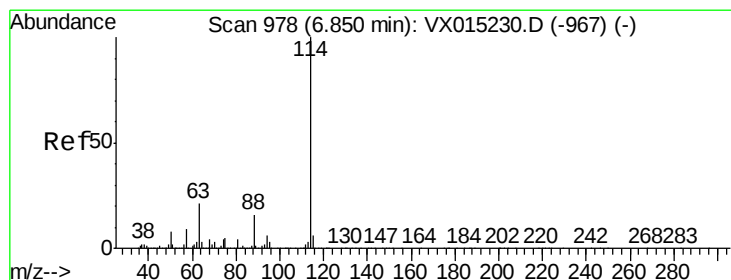
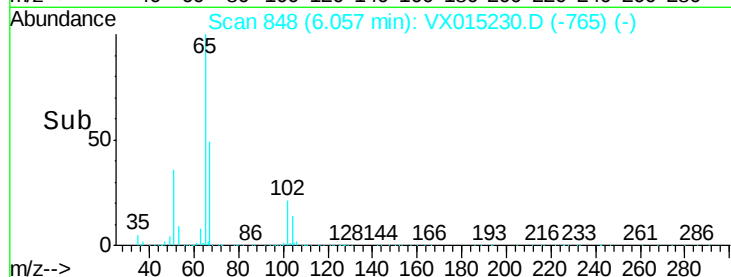
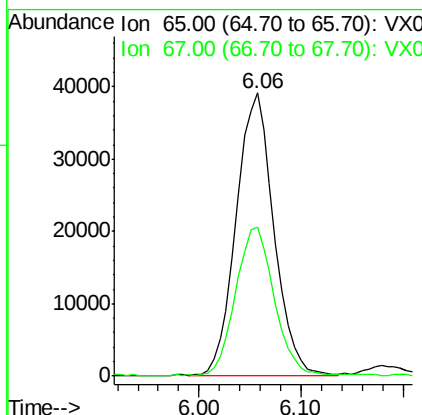
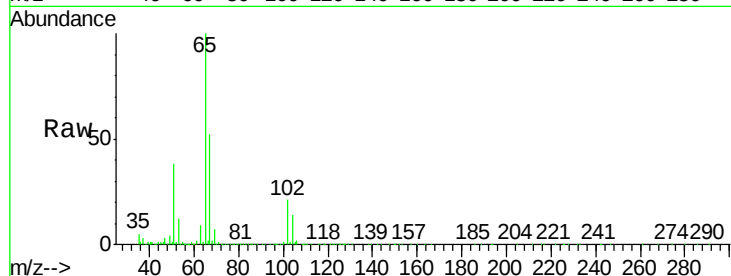
#27
 1,2-Dichloroethane-d4
 Concen: 30.354 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX015230.D
 Acq: 12 Mar 2020 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.4	41.9	62.9

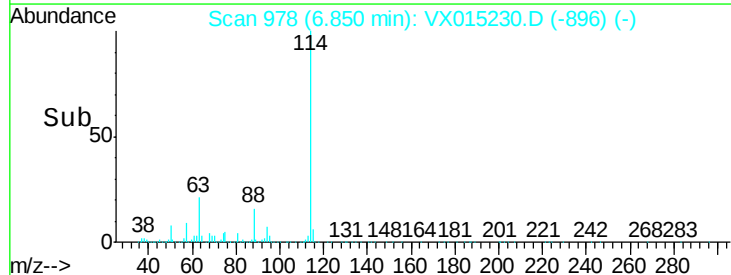
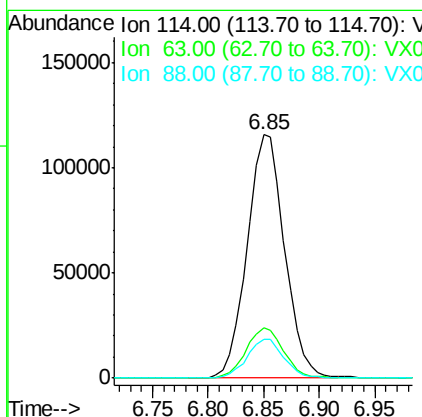
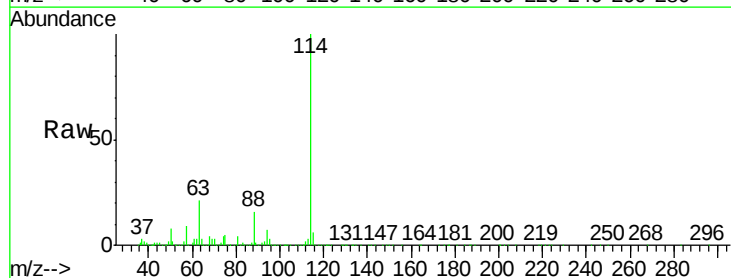
Manual Integrations
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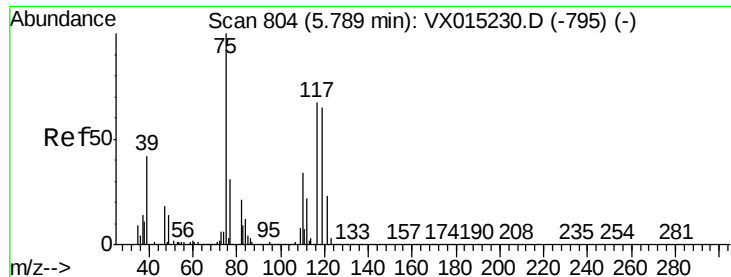
MMDadoda
 3/16/2020 11:43:33 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX015230.D
 Acq: 12 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.7	15.6	23.4
88	15.8	12.2	18.2





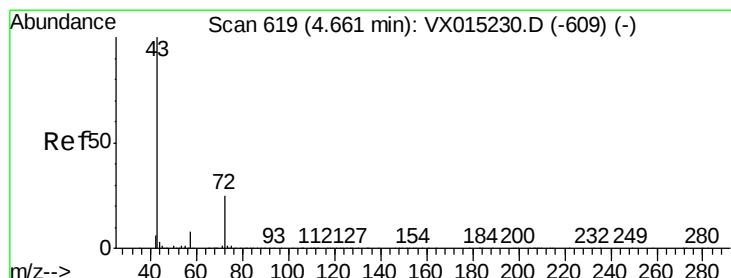
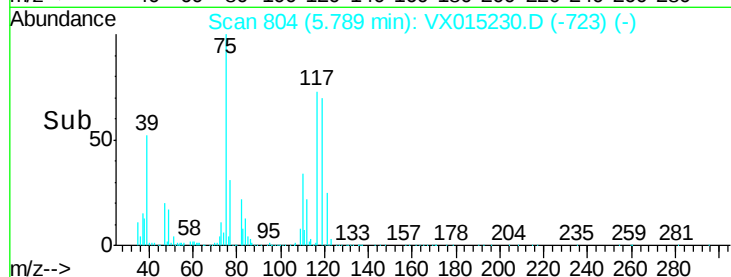
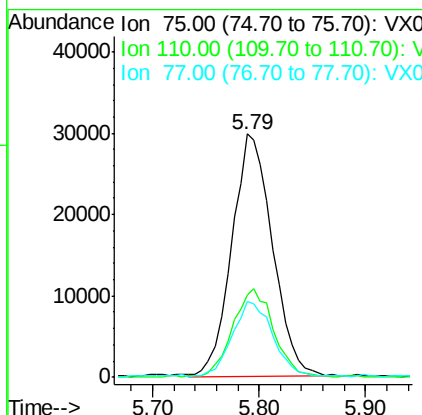
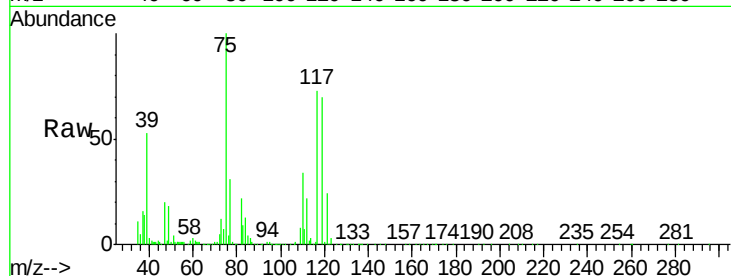
#29
 1,1-Dichloropropene
 Concen: 20.820 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX015230.D
 Acq: 12 Mar 2020 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.8	0.0	75.0
77	31.7	0.0	64.0

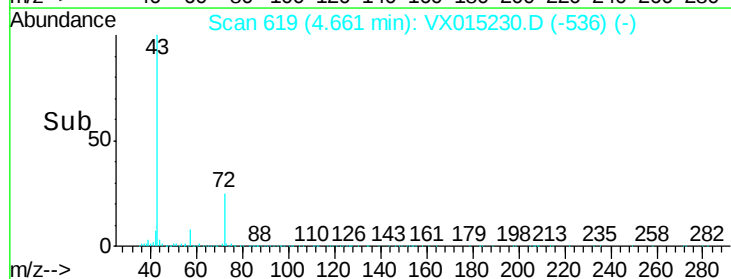
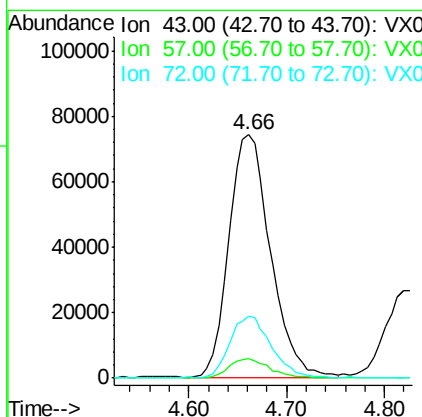
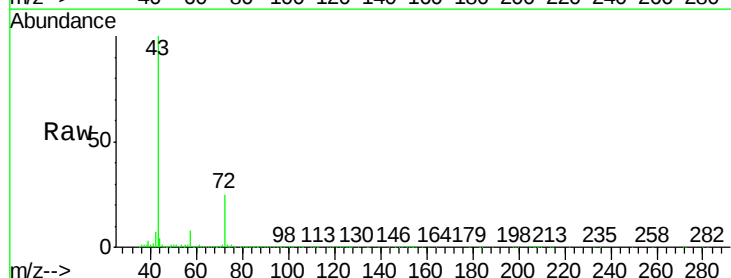
Manual Integrations
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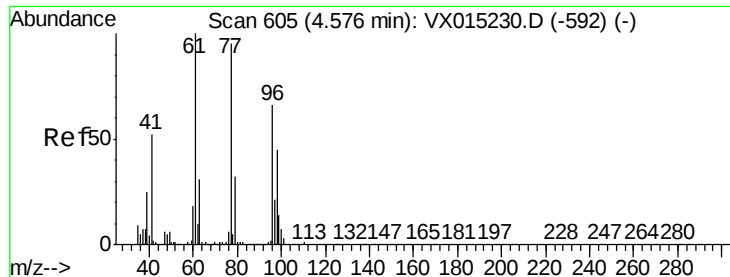
MMDadoda
 3/16/2020 11:43:33 AM



#30
 2-Butanone
 Concen: 98.435 ug/l
 RT: 4.66 min Scan# 619
 Delta R.T. 0.01 min
 Lab File: VX015230.D
 Acq: 12 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.0	6.5	9.7
72	24.9	20.3	30.5





#31

2,2-Dichloropropane

Concen: 18.772 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.00 min

Lab File: VX015230.D

Acq: 12 Mar 2020 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 77 Resp: 79008

Ion Ratio Lower Upper

77 100

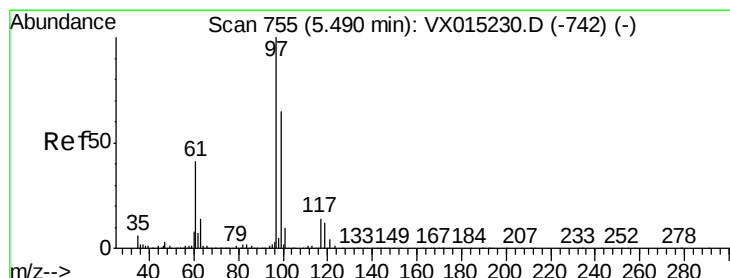
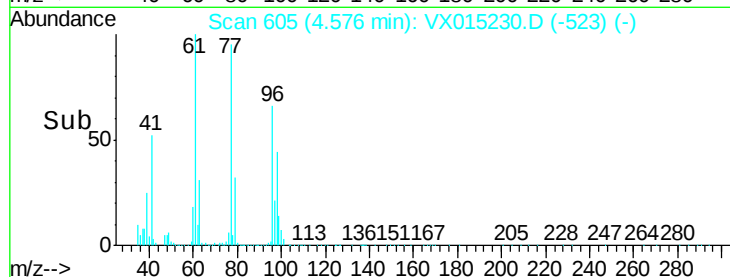
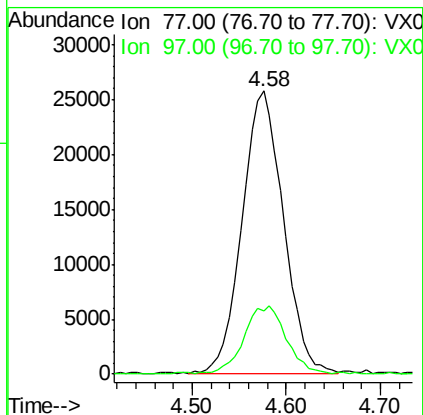
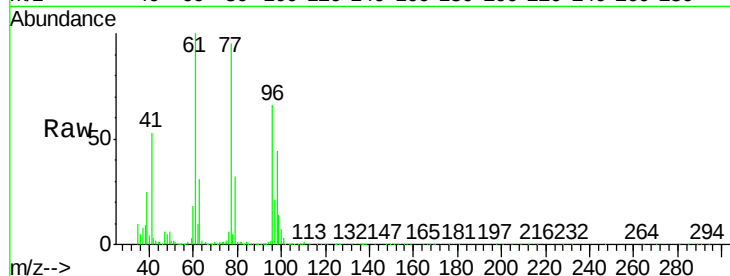
97 24.7 18.4 27.6

Manual Integrations

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MMDadoda

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#32

1,1,1-Trichloroethane

Concen: 20.176 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX015230.D

Acq: 12 Mar 2020 12:16

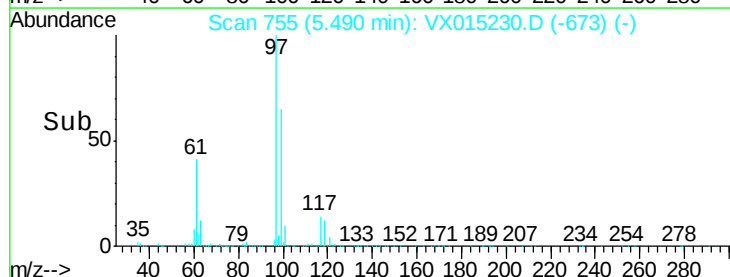
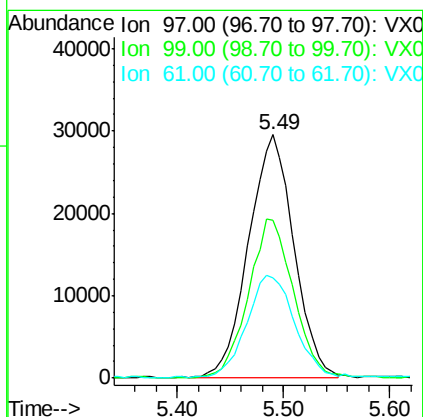
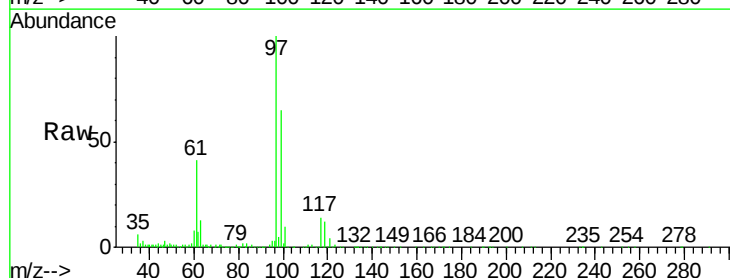
Tgt Ion: 97 Resp: 87820

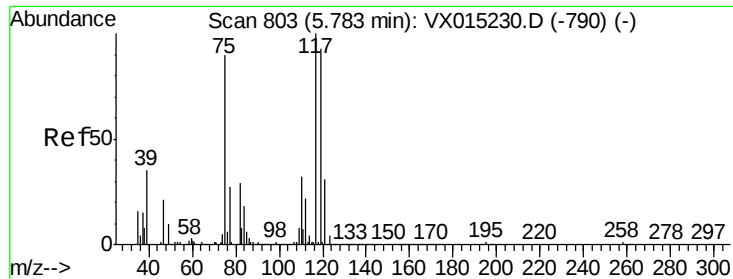
Ion Ratio Lower Upper

97 100

99 65.0 53.0 79.6

61 43.8 36.2 54.2





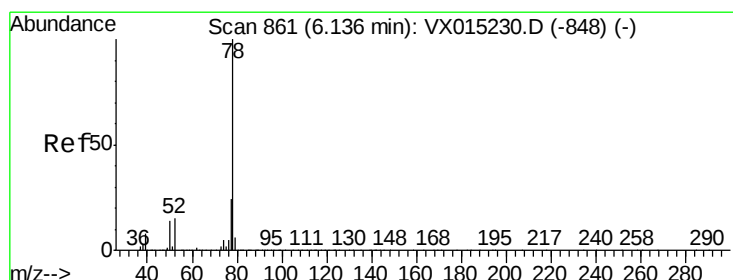
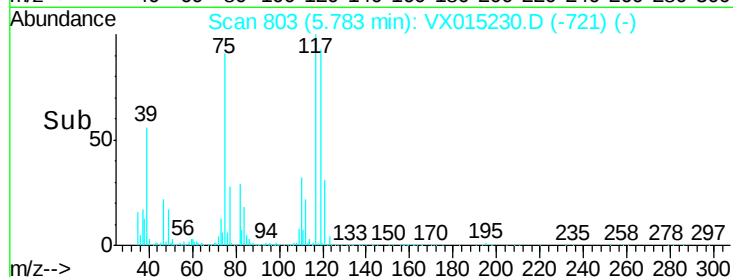
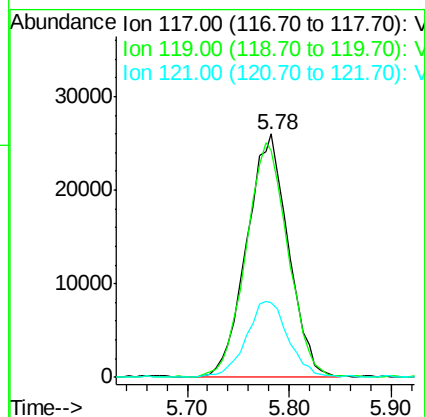
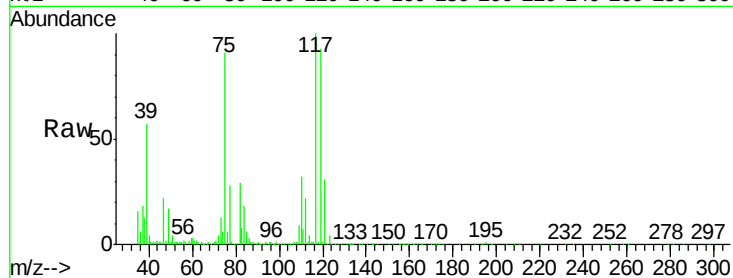
#33
Carbon Tetrachloride
Concen: 19.434 ug/l
RT: 5.78 min Scan# 803
Delta R.T. 0.00 min
Lab File: VX015230.D
Acq: 12 Mar 2020 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.8	71.9	107.9
121	30.4	25.4	38.2

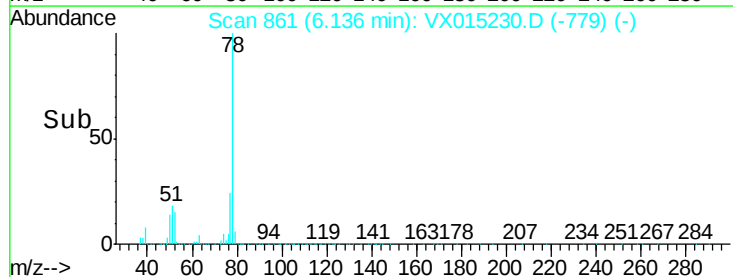
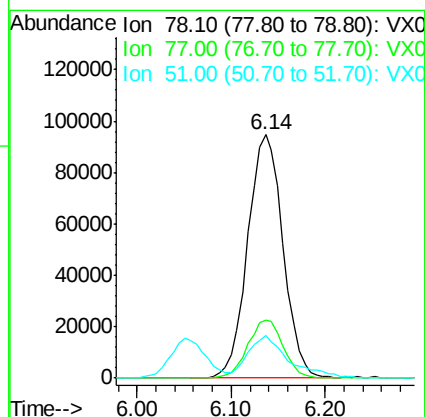
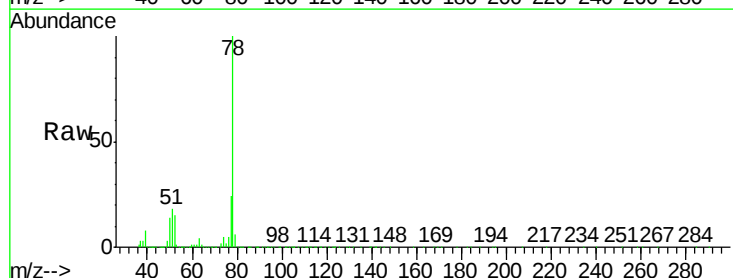
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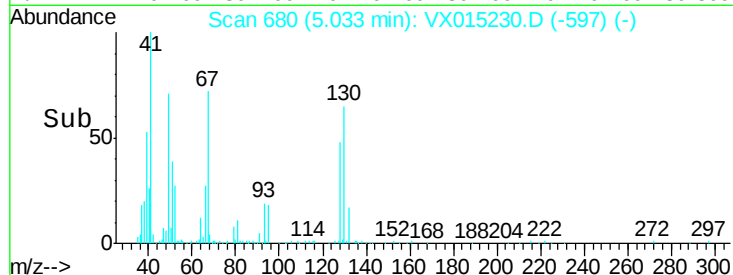
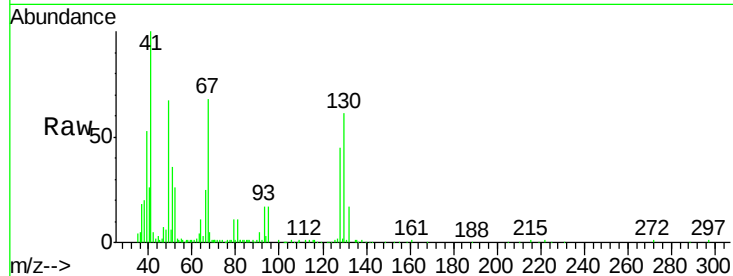
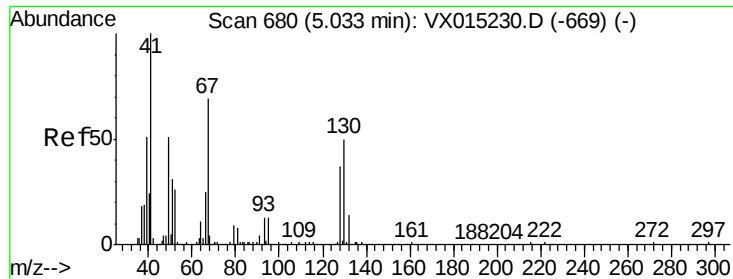
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#34
Benzene
Concen: 21.432 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.00 min
Lab File: VX015230.D
Acq: 12 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	20.0	30.0
51	16.8	13.3	19.9





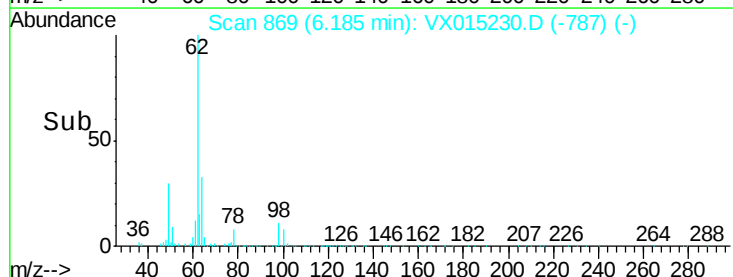
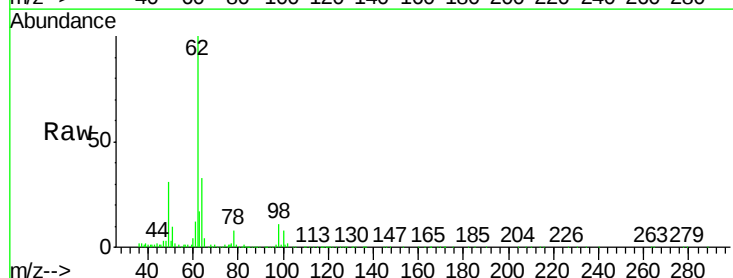
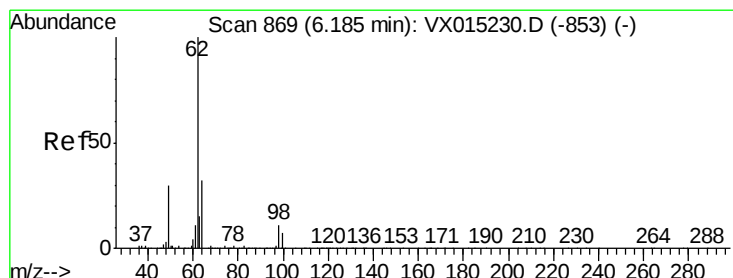
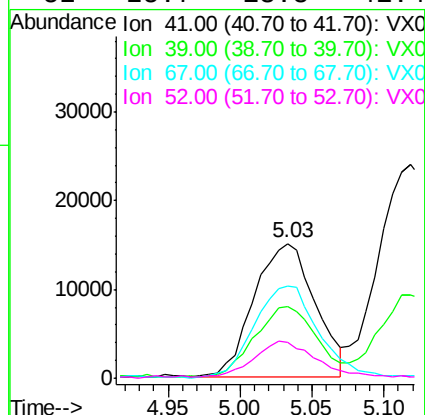
#35
Methacrylonitrile
Concen: 19.588 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX015230.D
Acq: 12 Mar 2020 12:16

Tot Ion	Ion	Ratio	Lower	Upper
41	41.00	100		
39	39.00	51.4	25.9	77.7
67	67.00	68.5	32.7	98.1
52	52.00	25.7	13.8	41.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

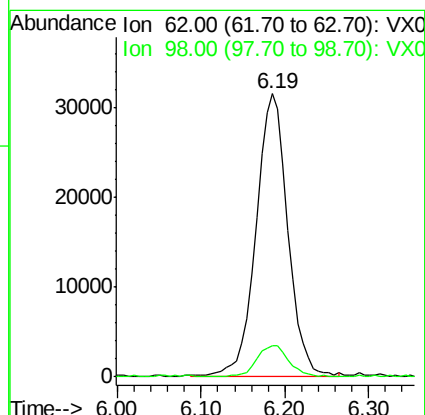
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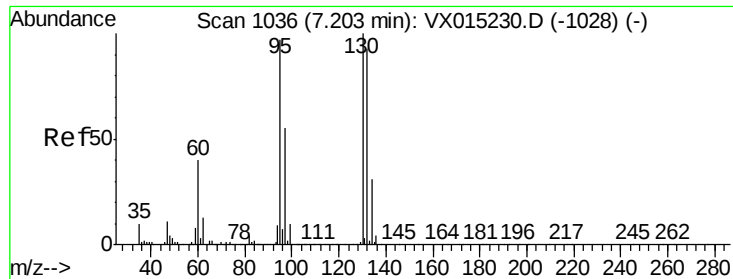
MMDadoda
3/16/2020 11:43:33 AM



#36
1,2-Dichloroethane
Concen: 20.294 ug/l m
RT: 6.19 min Scan# 869
Delta R.T. 0.00 min
Lab File: VX015230.D
Acq: 12 Mar 2020 12:16

Tgt Ion	Ion	Ratio	Lower	Upper
62	62.00	100		
98	98.00	0.0	7.5	11.3#





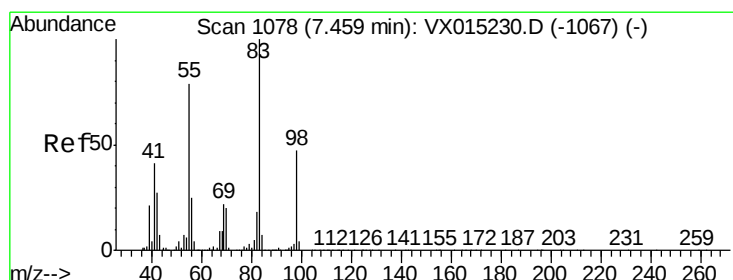
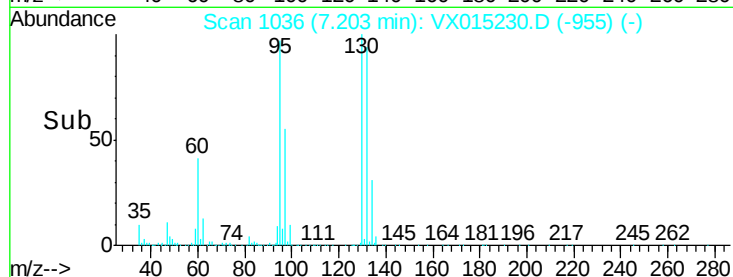
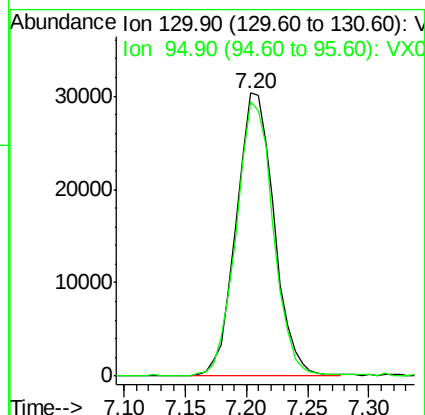
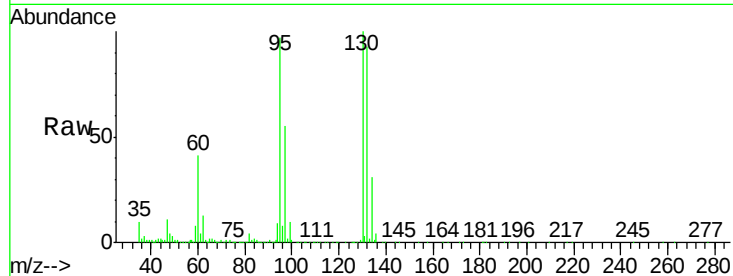
#37
 Trichloroethene
 Concen: 20.137 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: VX015230.D
 Acq: 12 Mar 2020 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
130	100		
95	96.7	77.1	115.7

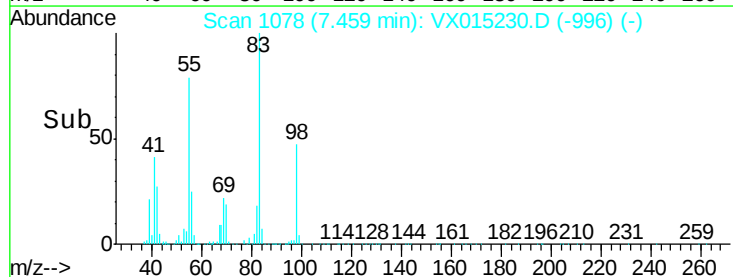
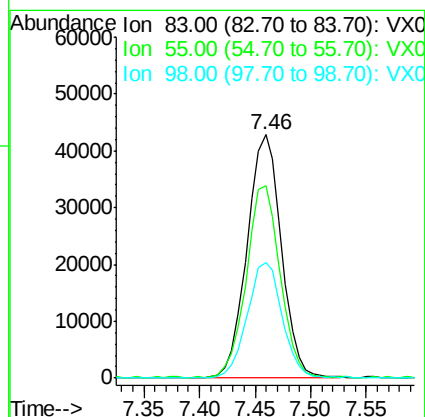
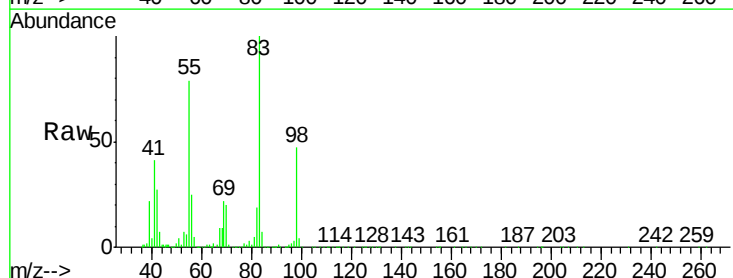
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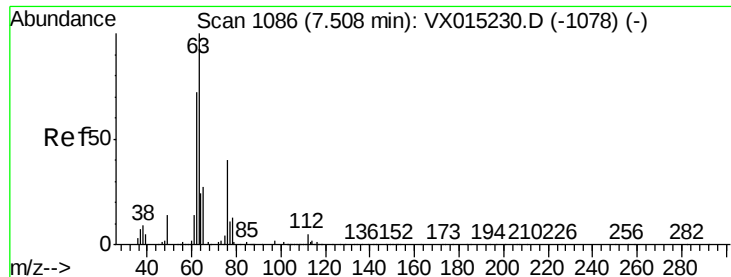
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#38
 Methylcyclohexane
 Concen: 19.256 ug/l
 RT: 7.46 min Scan# 1078
 Delta R.T. 0.00 min
 Lab File: VX015230.D
 Acq: 12 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.1	38.2	114.6
98	48.8	25.3	75.8





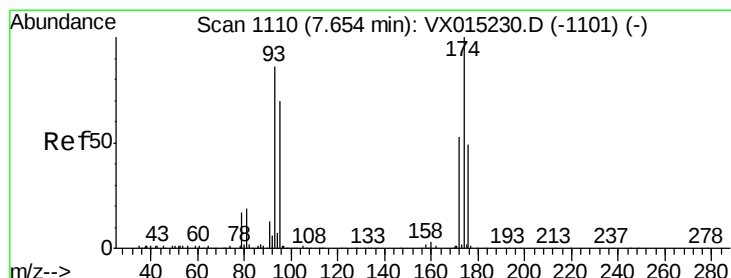
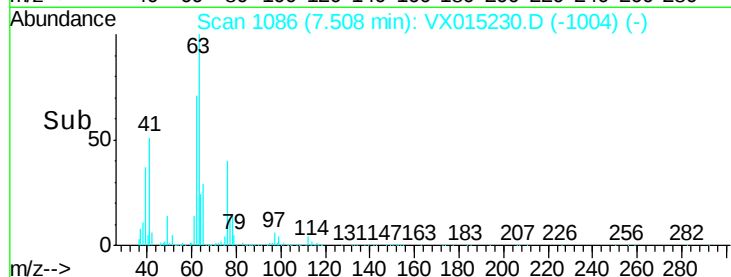
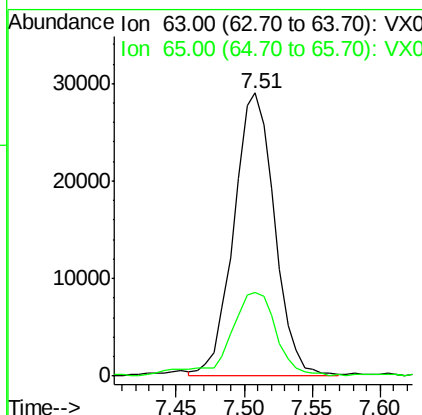
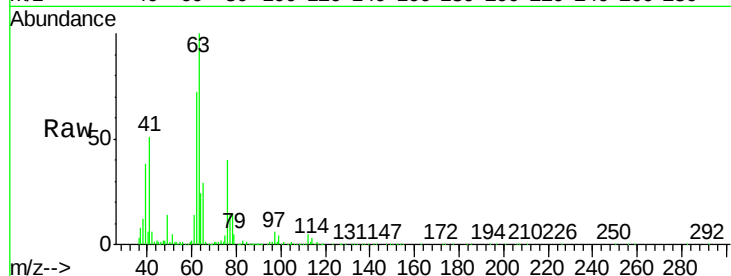
#39
 1,2-Dichloropropane
 Concen: 20.458 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX015230.D
 Acq: 12 Mar 2020 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.0	24.6	36.8

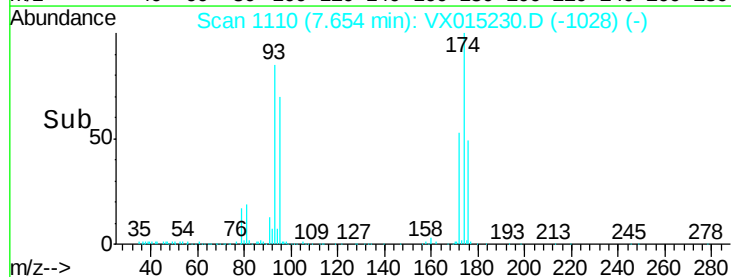
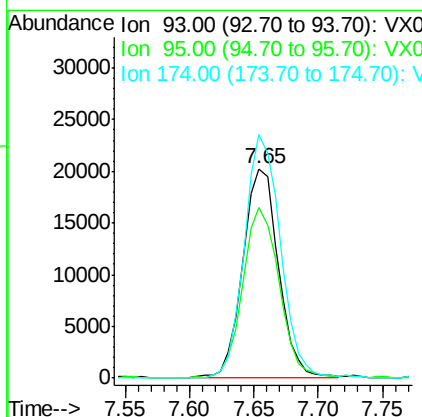
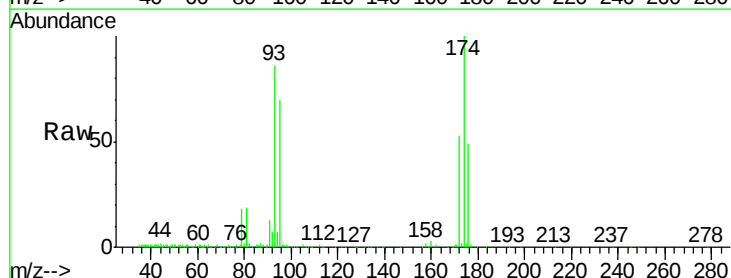
Manual Integrations
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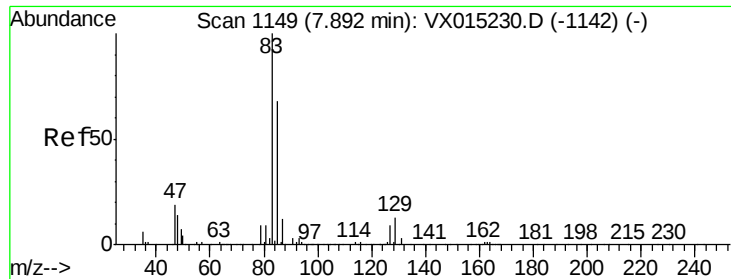
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 3/16/2020 11:43:33 AM



#40
 Dibromomethane
 Concen: 19.595 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX015230.D
 Acq: 12 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.3	0.0	164.6
174	116.8	0.0	226.4





#41

Bromodichloromethane

Concen: 18.883 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX015230.D

Acq: 12 Mar 2020 12:16

Instrument :

MSVOA_X

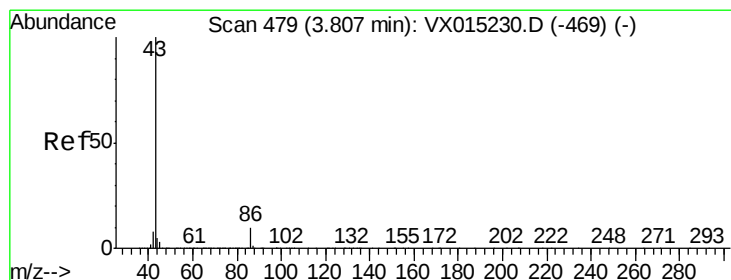
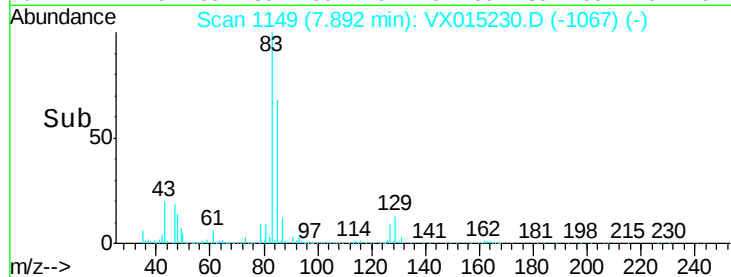
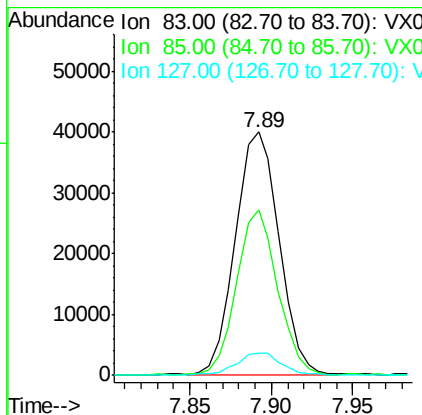
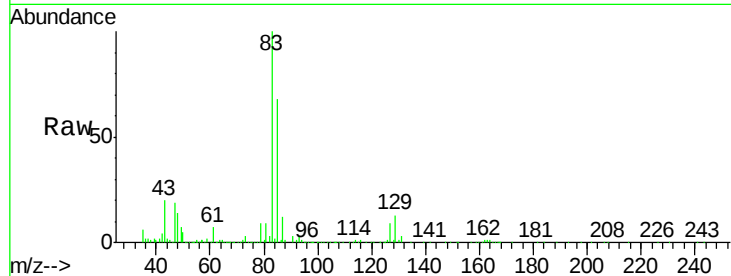
ClientSampleId :

VSTDICCC020

Tot Ion:	83	Resp:	74150
Ion	Ratio	Lower	Upper
83	100		
85	67.8	51.0	76.4
127	8.9	6.6	10.0

Manual Integrations
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3/16/2020 11:43:33 AM



#42

Vinyl Acetate

Concen: 103.507 ug/l

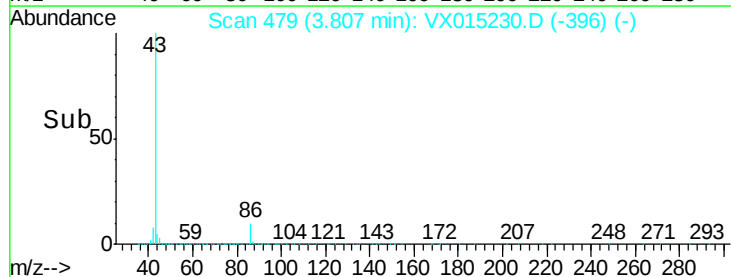
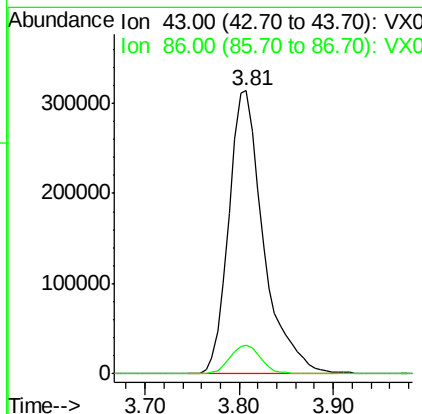
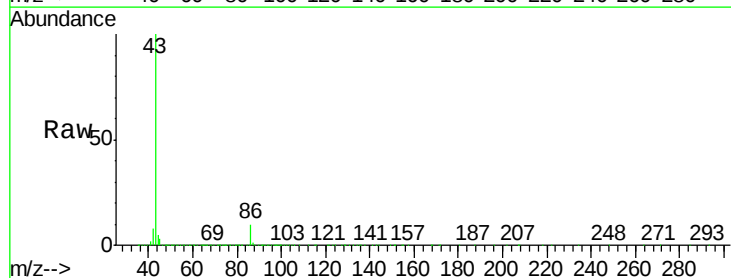
RT: 3.81 min Scan# 479

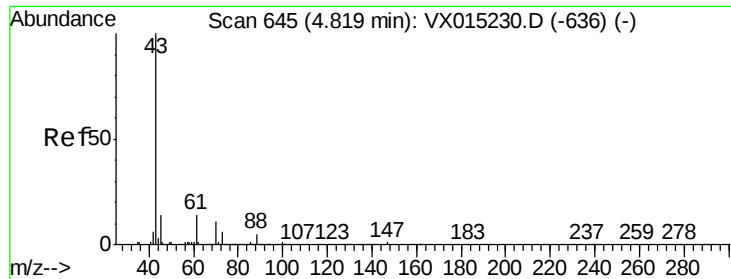
Delta R.T. 0.01 min

Lab File: VX015230.D

Acq: 12 Mar 2020 12:16

Tgt Ion:	43	Resp:	806026
Ion	Ratio	Lower	Upper
43	100		
86	9.3	7.6	11.4





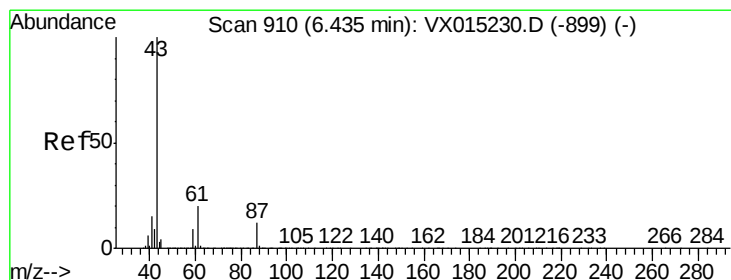
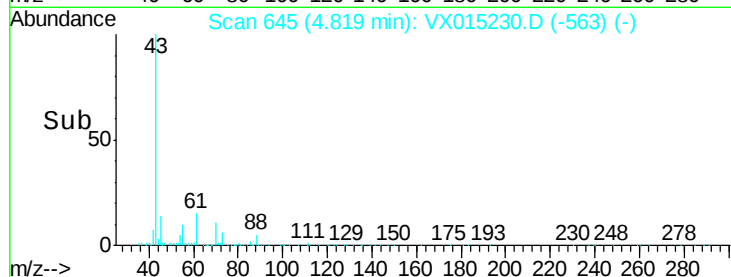
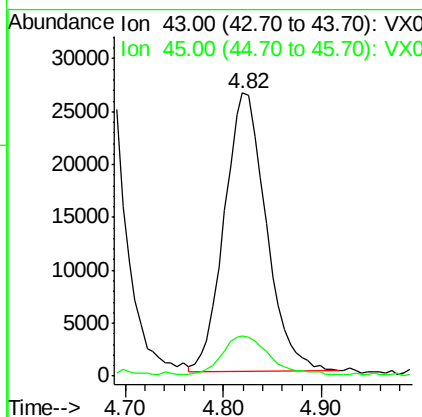
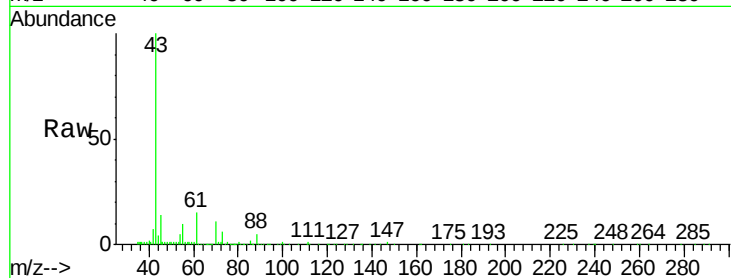
#43
Ethyl Acetate
Concen: 19.546 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX015230.D
Acq: 12 Mar 2020 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	43	45	Ratio	Lower	Upper
78244	100	14.6		10.8	16.2

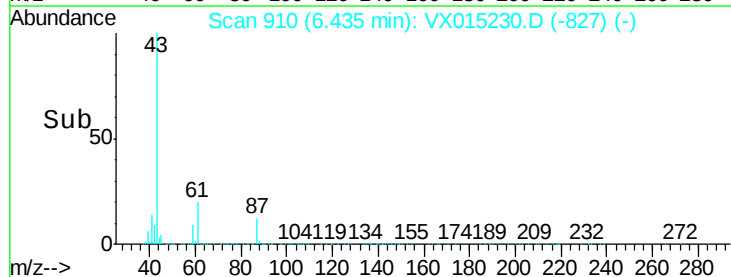
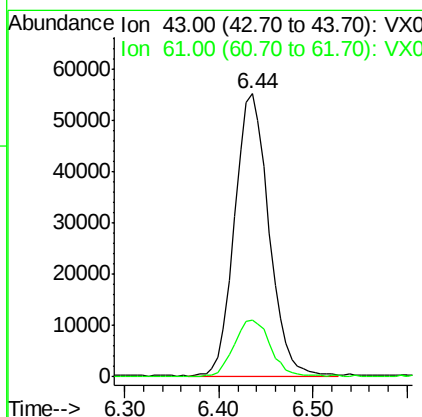
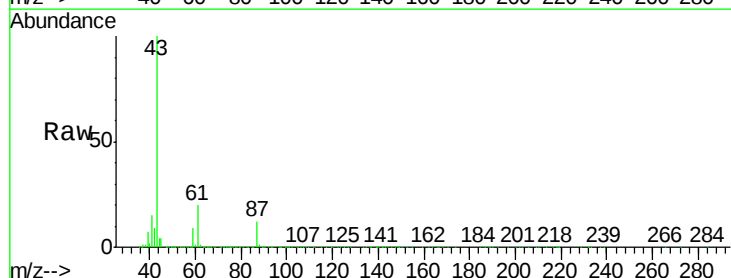
Manual Integrations
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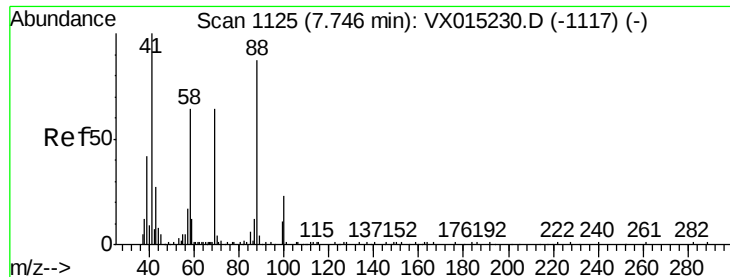
MMDadoda
3/16/2020 11:43:33 AM



#44
Isopropyl Acetate
Concen: 20.575 ug/l
RT: 6.44 min Scan# 910
Delta R.T. 0.01 min
Lab File: VX015230.D
Acq: 12 Mar 2020 12:16

Tgt Ion	43	61	Ratio	Lower	Upper
138460	100	21.2		15.6	23.4





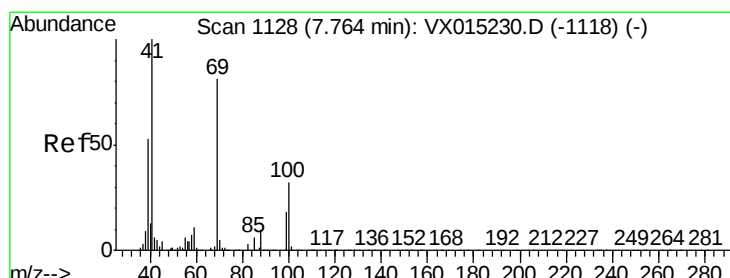
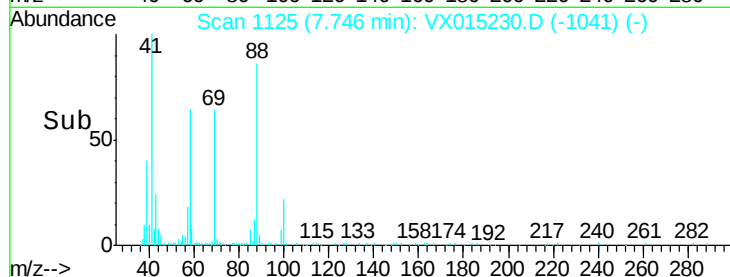
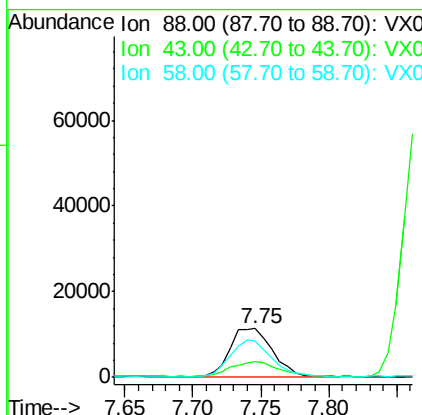
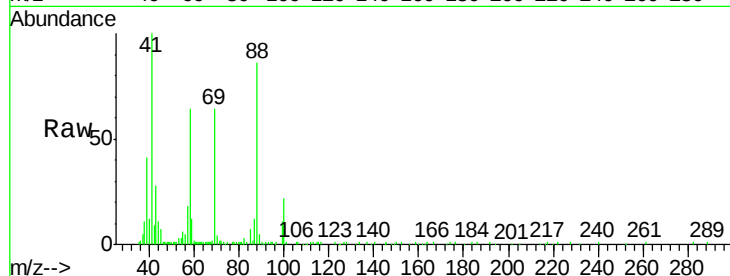
#45
 1,4-Dioxane
 Concen: 411.781 ug/l
 RT: 7.75 min Scan# 1125
 Delta R.T. 0.01 min
 Lab File: VX015230.D
 Acq: 12 Mar 2020 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.0	25.4	38.2
58	71.6	55.8	83.8

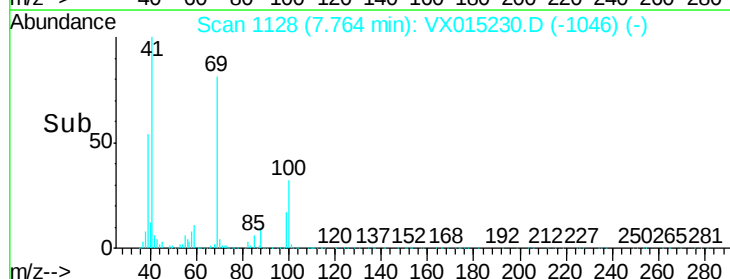
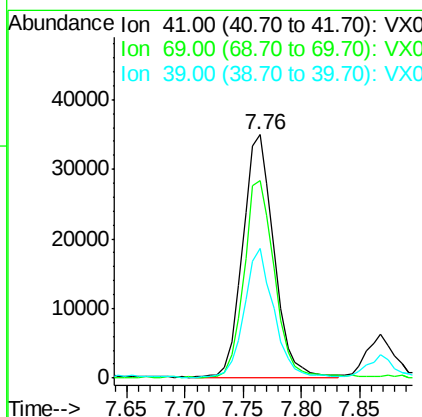
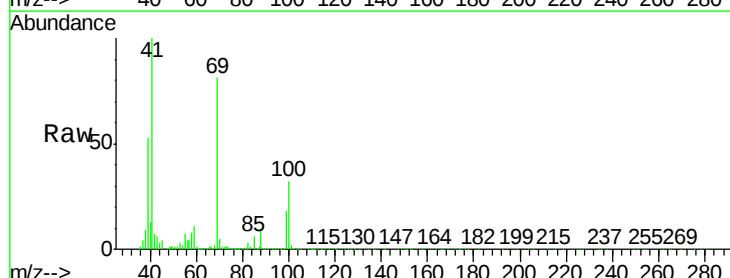
Manual Integrations
 APPROVED

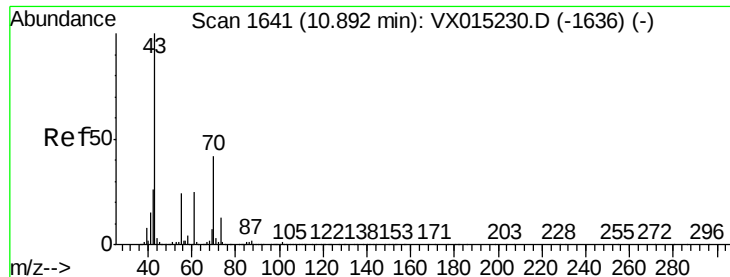
MMDadoda
 3/16/2020 11:43:33 AM



#46
 Methyl methacrylate
 Concen: 19.596 ug/l
 RT: 7.76 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VX015230.D
 Acq: 12 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
41	100		
69	80.9	41.4	124.2
39	53.2	28.3	84.9





#47

n-amyl Acetate

Concen: 20.696 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX015230.D

Acq: 12 Mar 2020 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 43 Resp: 120654

Ion Ratio Lower Upper

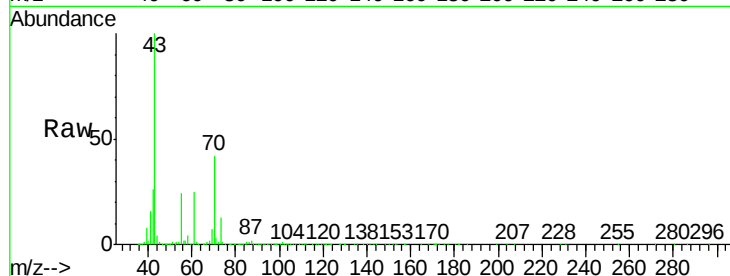
43 100

55 25.5 19.2 28.8

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

120000

100000

80000

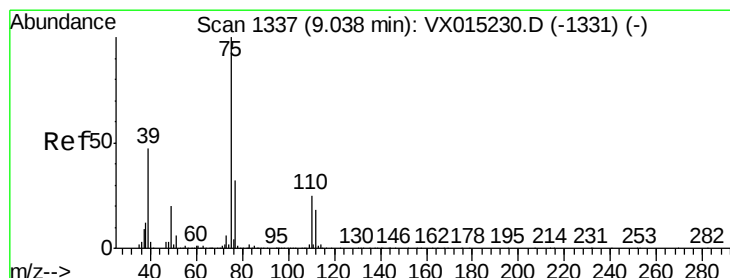
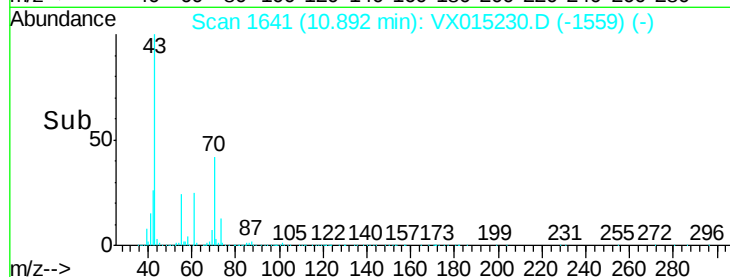
60000

40000

20000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 18.382 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX015230.D

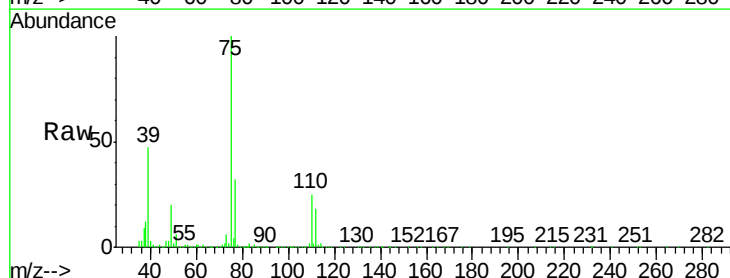
Acq: 12 Mar 2020 12:16

Tgt Ion: 75 Resp: 80087

Ion Ratio Lower Upper

75 100

77 31.4 24.6 36.8



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

60000

50000

40000

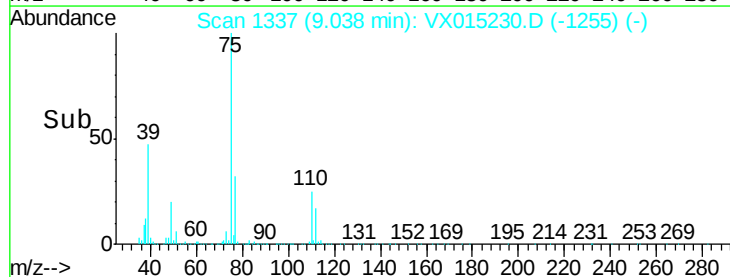
30000

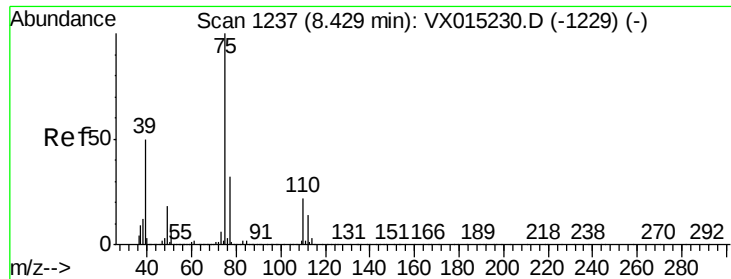
20000

10000

0

Time-->





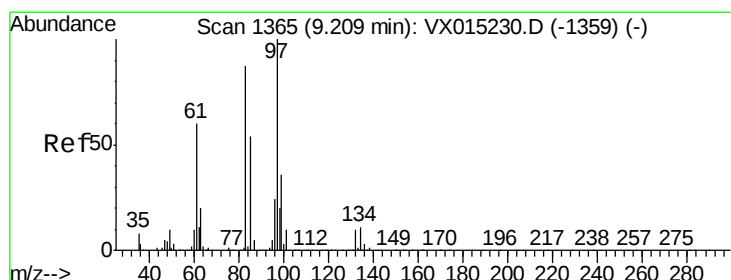
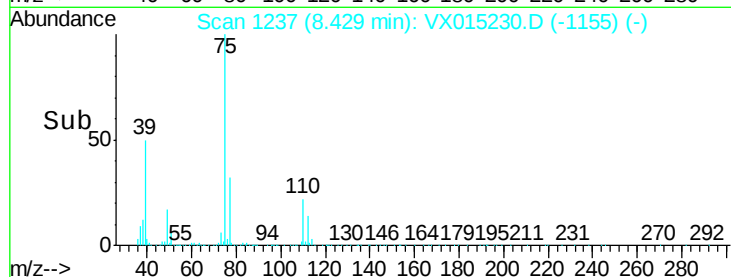
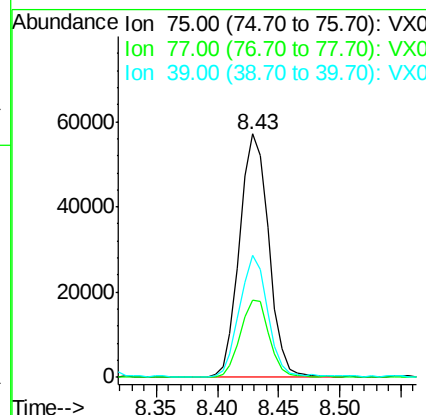
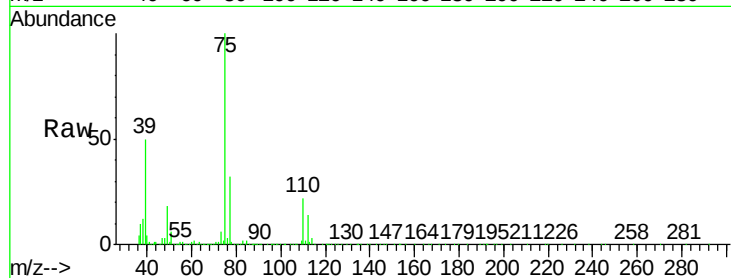
#49
 cis-1,3-Dichloropropene
 Concen: 19.739 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX015230.D
 Acq: 12 Mar 2020 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.6	36.8
39	49.7	41.5	62.3

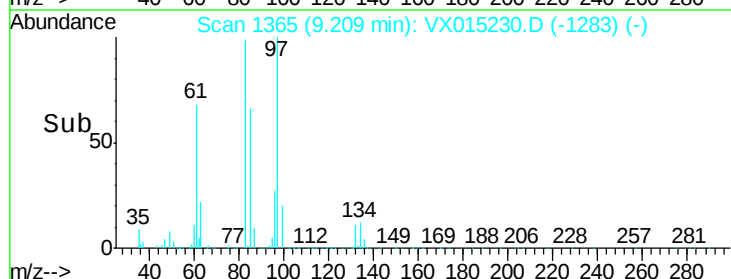
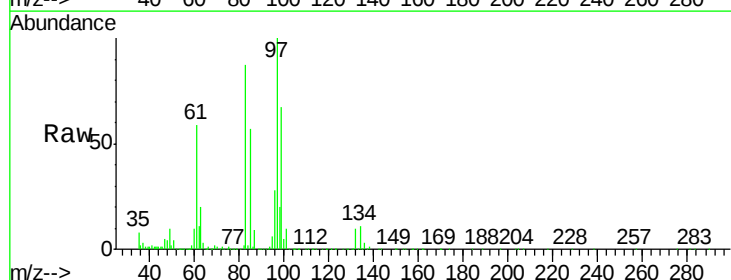
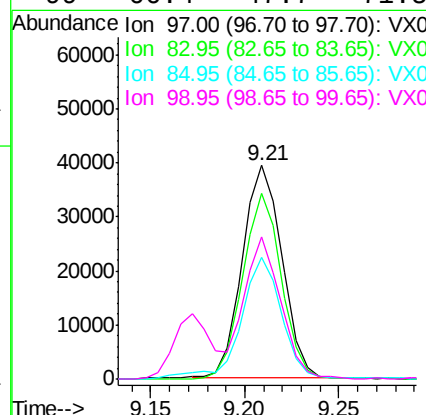
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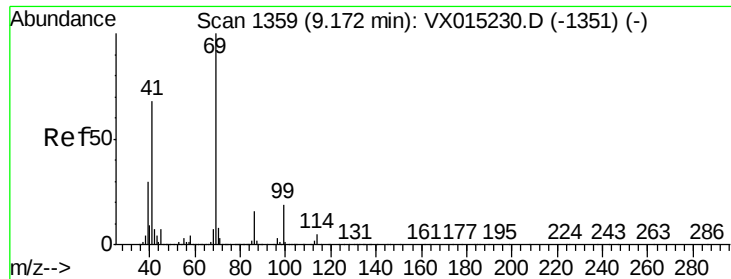
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 19.383 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX015230.D
 Acq: 12 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.1	66.2	99.2
85	56.7	42.4	63.6
99	66.4	47.7	71.5





#51

Ethyl methacrylate

Concen: 19.284 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX015230.D

Acq: 12 Mar 2020 12:16

Instrument :

MSVOA_X

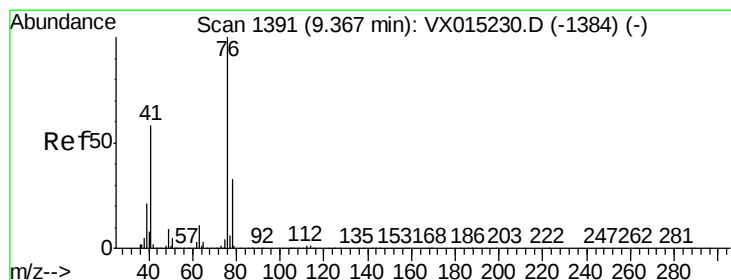
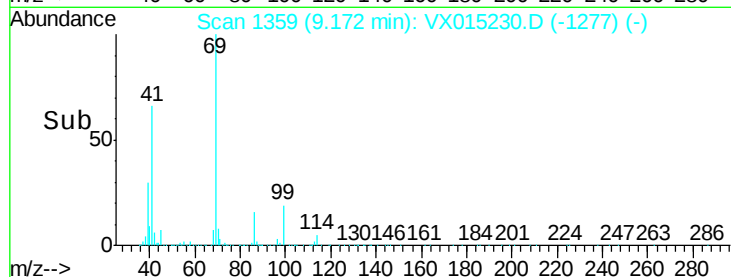
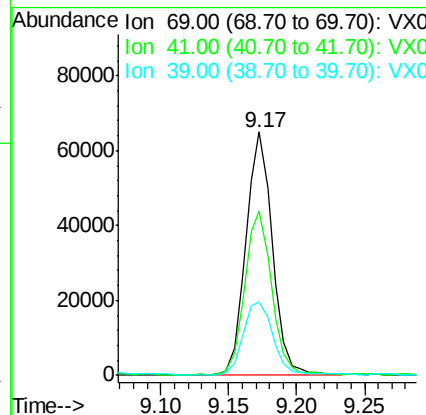
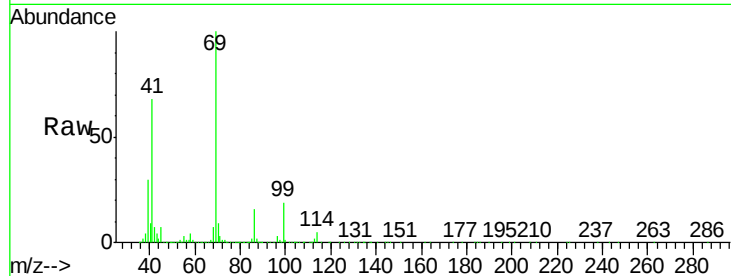
ClientSampleId :

VSTDICCC020

Tot Ion:	69	Resp:	88150
Ion	Ratio	Lower	Upper
69	100		
41	67.5	32.7	98.1
39	30.2	18.2	54.6

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.536 ug/l

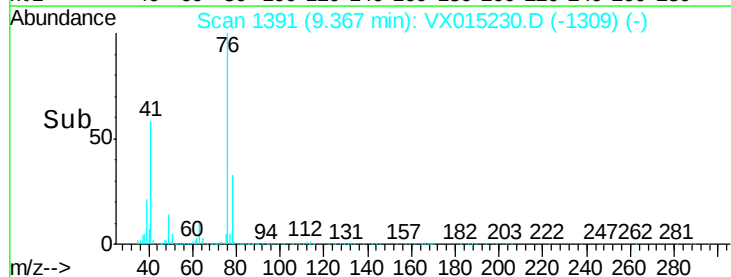
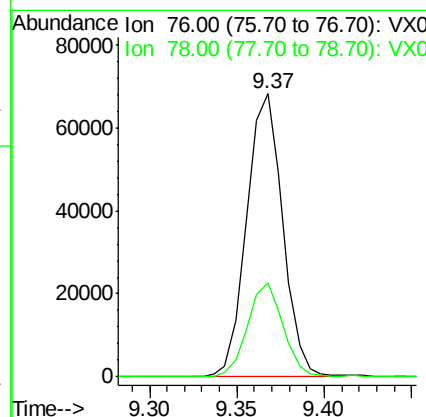
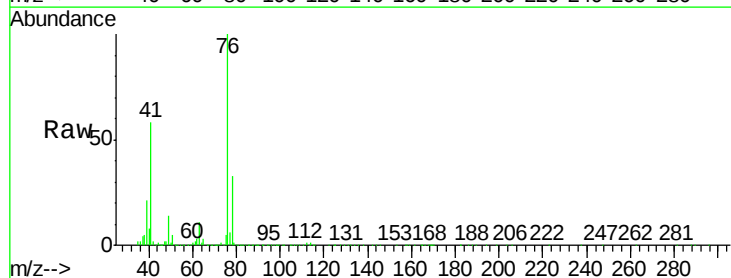
RT: 9.37 min Scan# 1391

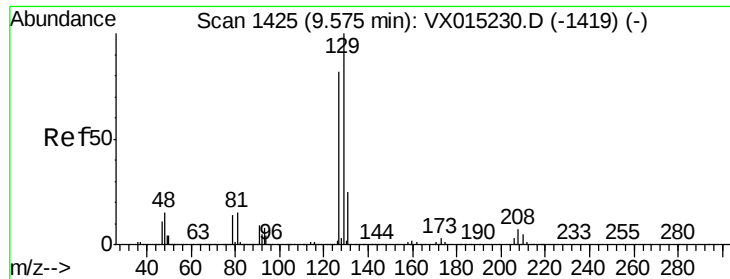
Delta R.T. 0.00 min

Lab File: VX015230.D

Acq: 12 Mar 2020 12:16

Tgt Ion:	76	Resp:	97881
Ion	Ratio	Lower	Upper
76	100		
78	32.6	0.0	65.0





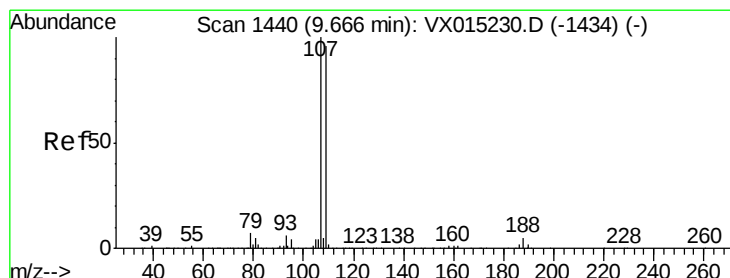
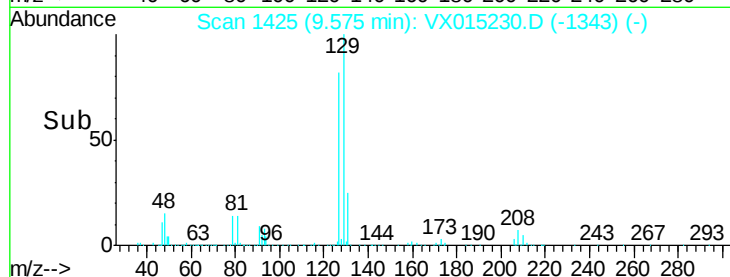
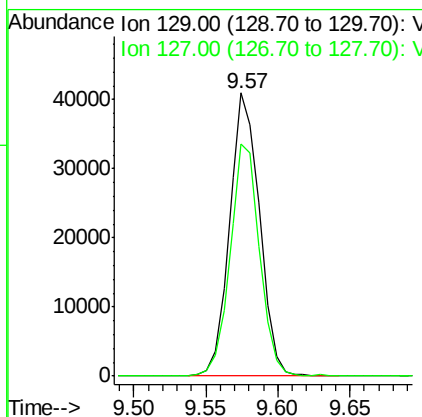
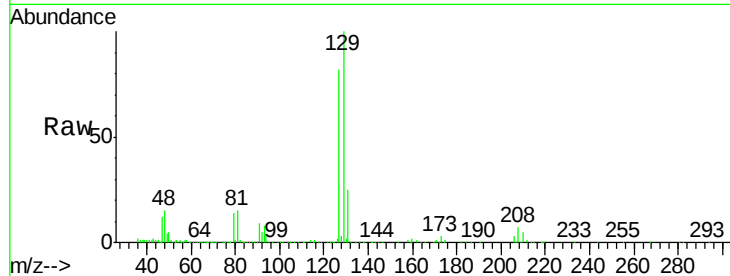
#53
 Dibromochloromethane
 Concen: 18.613 ug/l
 RT: 9.57 min Scan# 1425
 Delta R.T. 0.00 min
 Lab File: VX015230.D
 Acq: 12 Mar 2020 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
129	100		
127	80.7	38.3	114.9

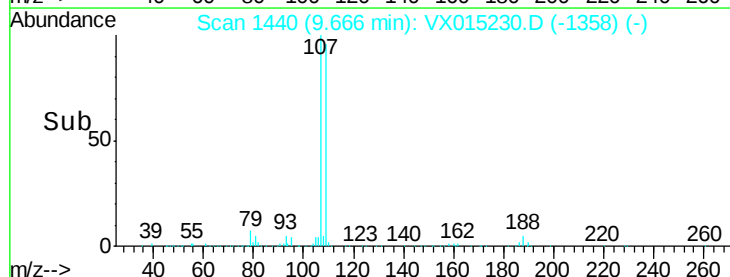
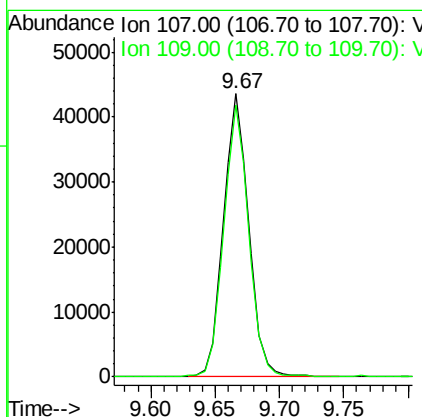
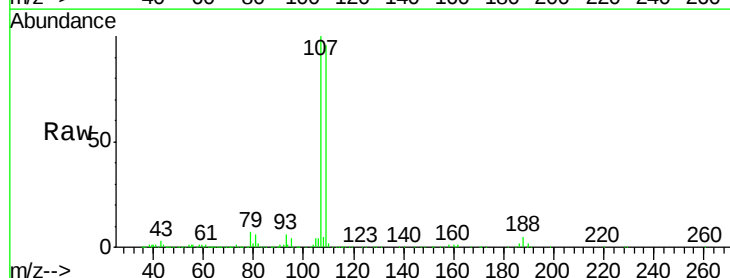
Manual Integrations
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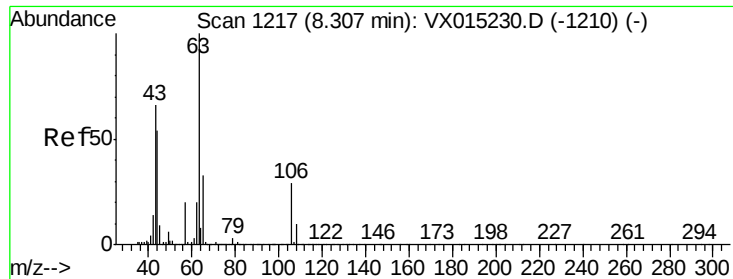
MMDadoda
 3/16/2020 11:43:33 AM



#54
 1,2-Dibromoethane
 Concen: 19.009 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VX015230.D
 Acq: 12 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.7	76.3	114.5





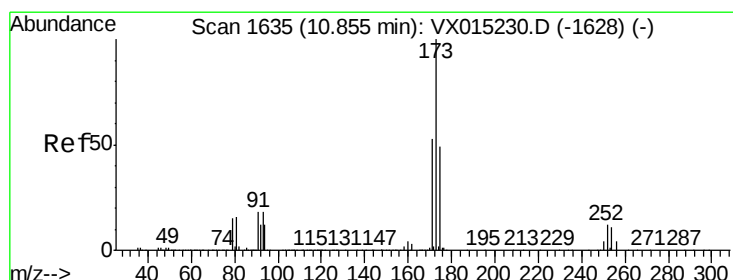
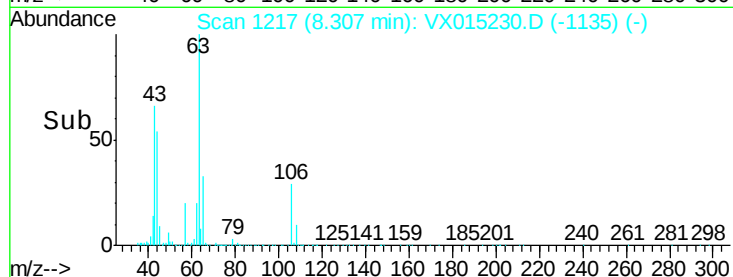
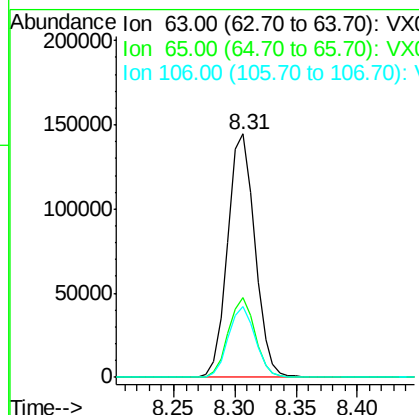
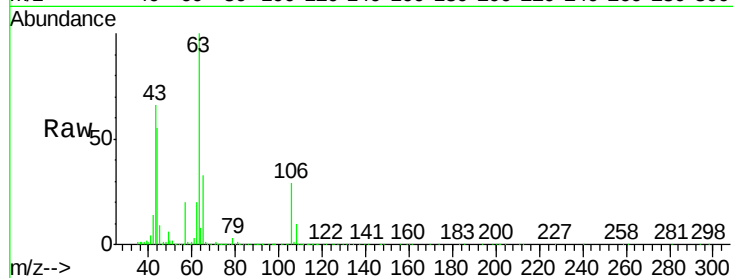
#55
2-Chloroethyl vinyl ether
Concen: 91.450 ug/l
RT: 8.31 min Scan# 1217
Delta R.T. 0.00 min
Lab File: VX015230.D
Acq: 12 Mar 2020 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.0	26.0	39.0
106	28.7	23.9	35.9

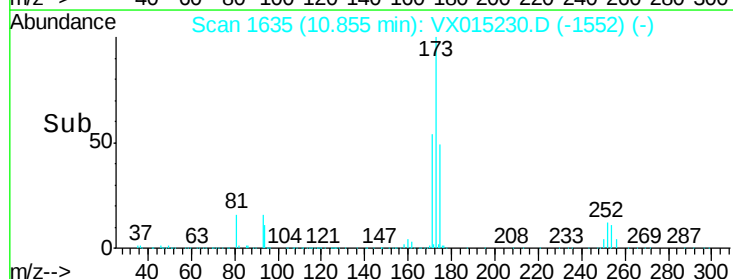
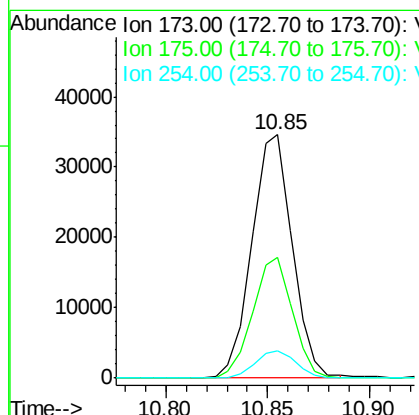
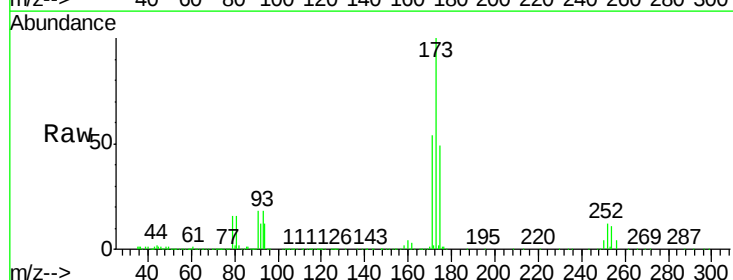
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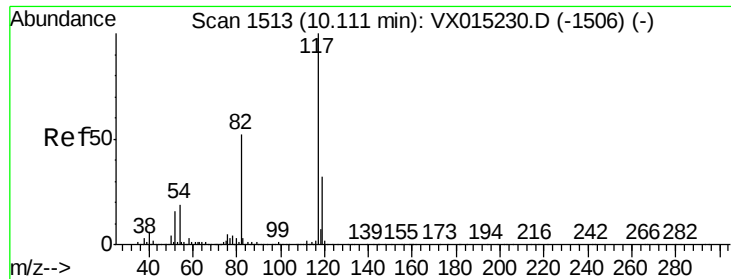
MMDadoda
3/16/2020 11:43:33 AM



#56
Bromoform
Concen: 19.122 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VX015230.D
Acq: 12 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.6	38.6	57.8
254	11.4	8.6	13.0





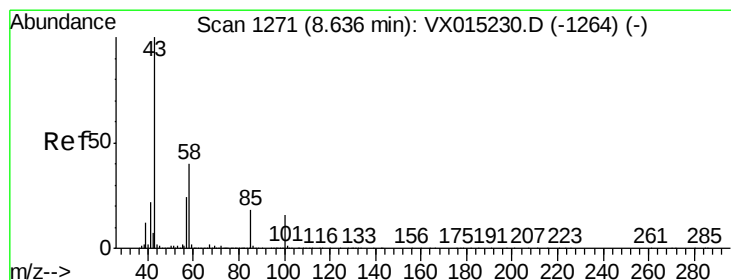
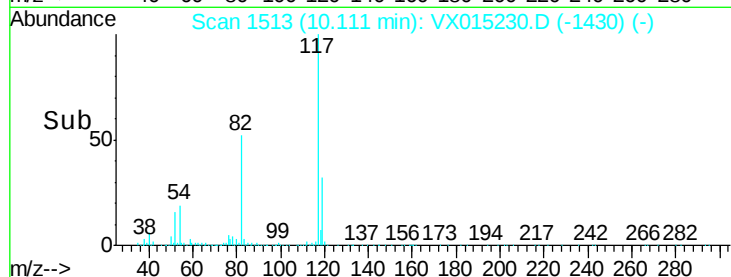
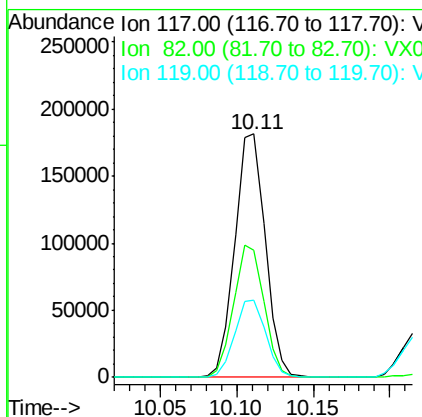
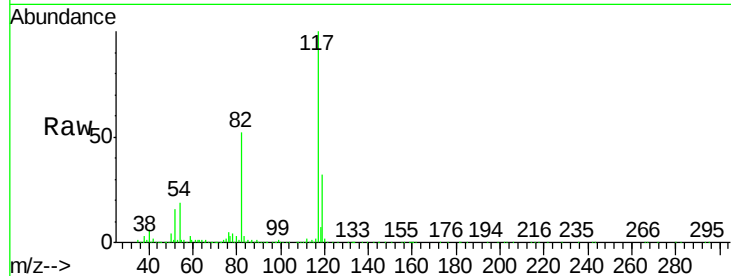
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.01 min
Lab File: VX015230.D
Acq: 12 Mar 2020 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	252223		
82	54.0		43.4	65.2
119	32.3		26.0	39.0

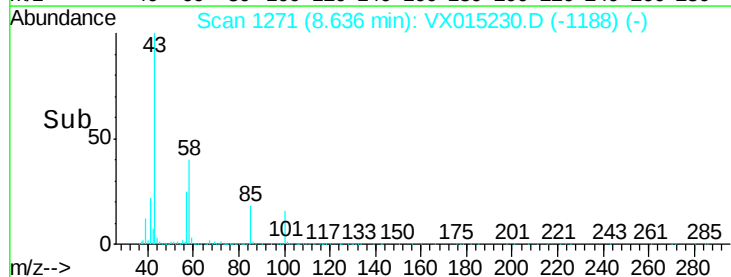
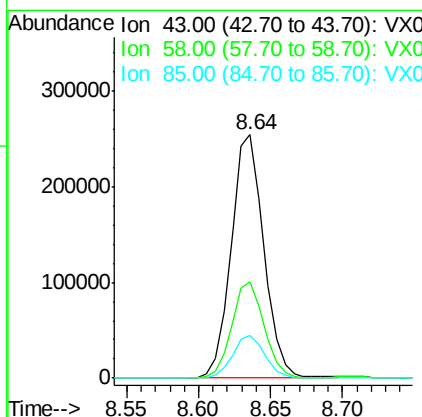
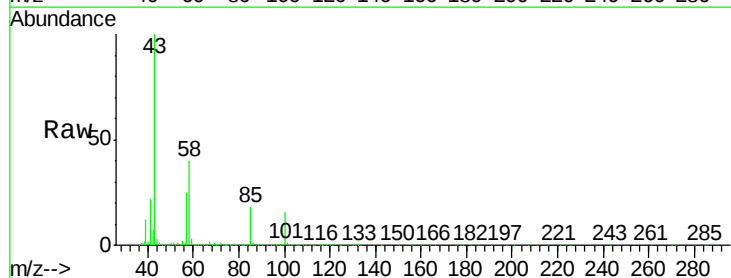
Manual Integrations
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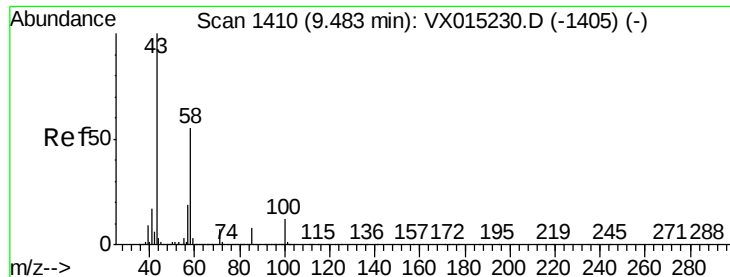
MMDadoda
3/16/2020 11:43:33 AM



#58
4-Methyl-2-Pentanone
Concen: 97.212 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.01 min
Lab File: VX015230.D
Acq: 12 Mar 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	401837		
58	39.5		31.7	47.5
85	17.3		14.4	21.6





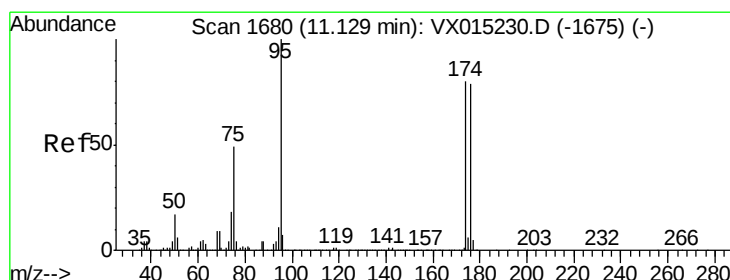
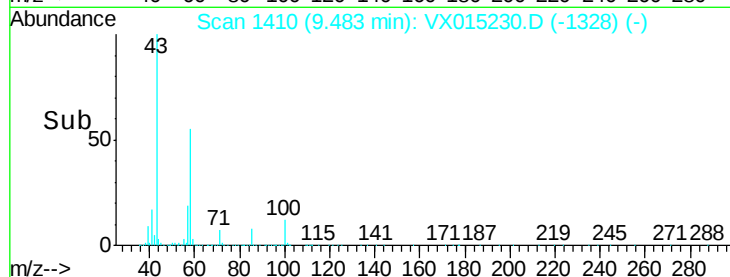
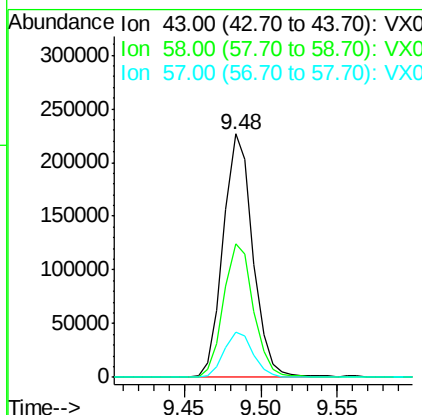
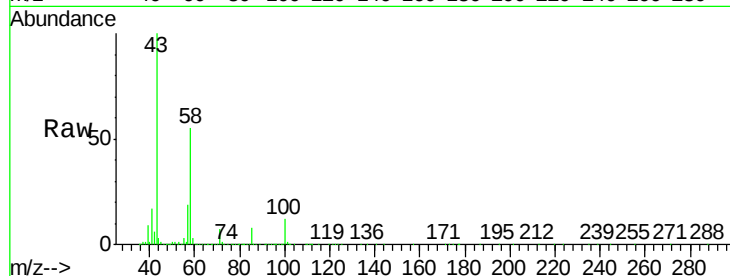
#59
2-Hexanone
Concen: 94.265 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX015230.D
Acq: 12 Mar 2020 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.7	44.1	66.1
57	18.2	15.3	22.9

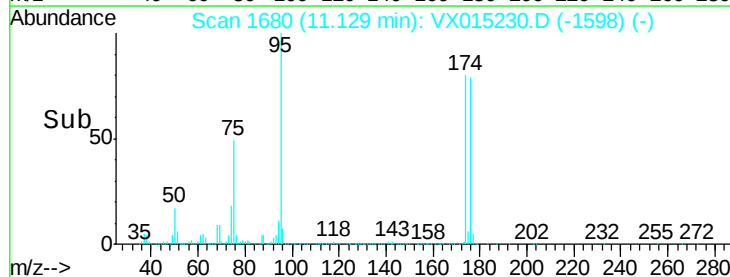
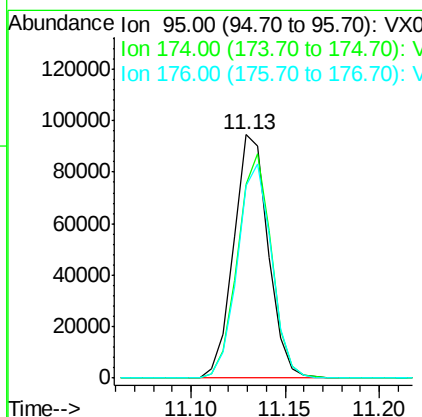
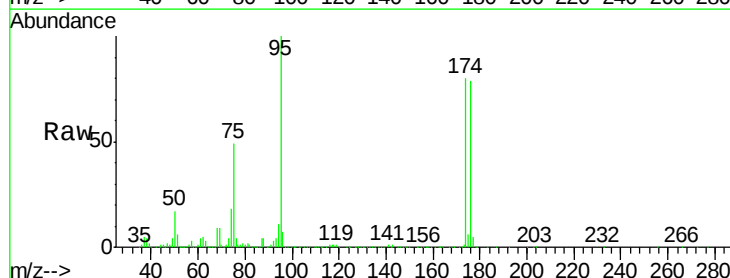
Manual Integrations
APPROVED

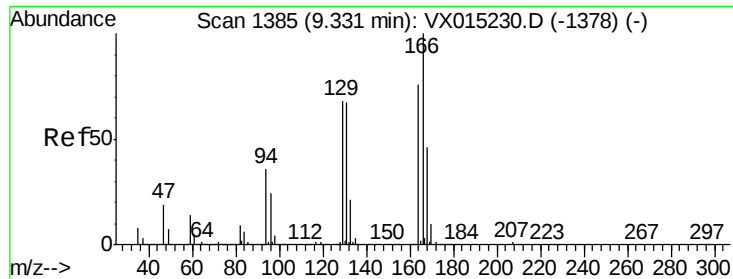
MMDadoda
3/16/2020 11:43:33 AM



#60
4-Bromofluorobenzene
Concen: 30.524 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX015230.D
Acq: 12 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.0	72.3	108.5
176	87.6	72.0	108.0





#61

Tetrachloroethene

Concen: 19.768 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX015230.D

Acq: 12 Mar 2020 12:16

Instrument :

MSVOA_X

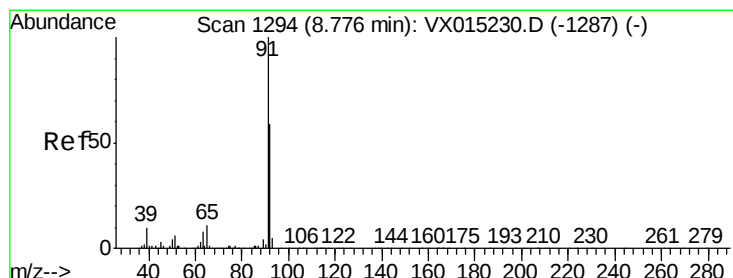
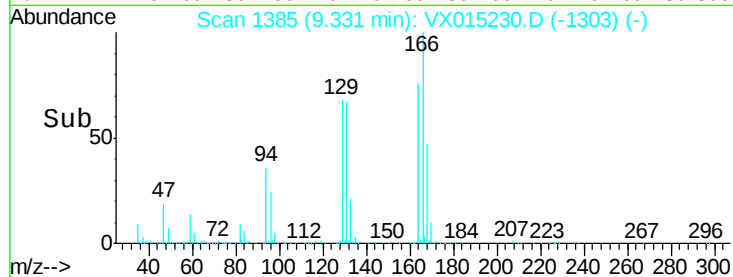
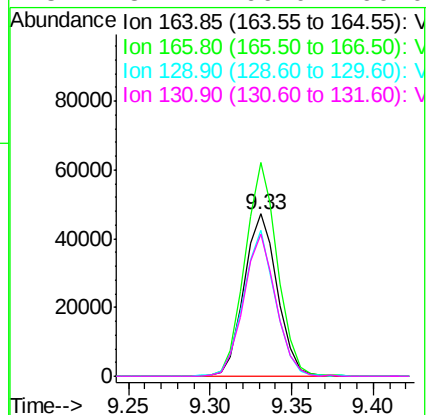
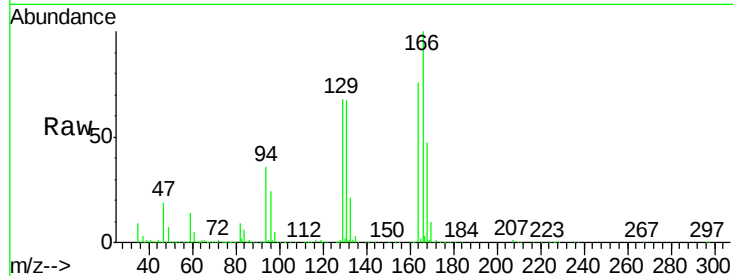
ClientSampleId :

VSTDICCC020

Tot Ion:	164	Resp:	66966
Ion	Ratio	Lower	Upper
164	100		
166	131.4	101.2	151.8
129	89.4	67.6	101.4
131	87.4	66.0	99.0

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#62

Toluene

Concen: 19.141 ug/l

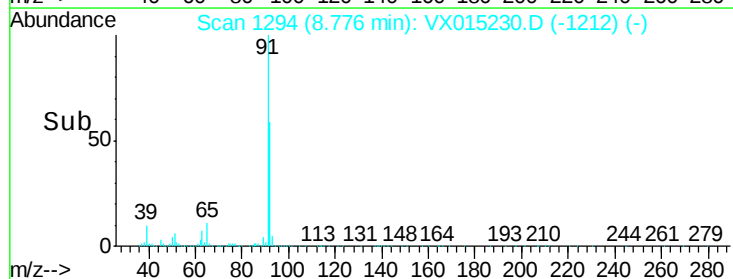
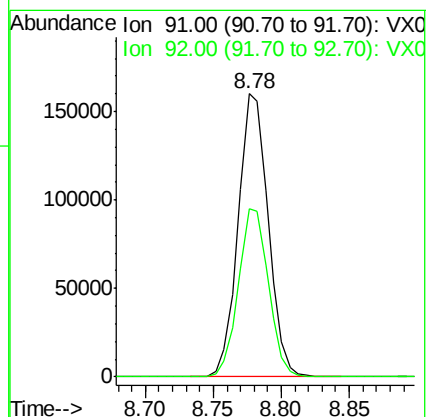
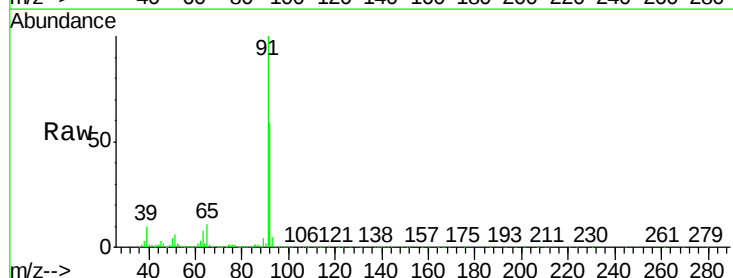
RT: 8.78 min Scan# 1294

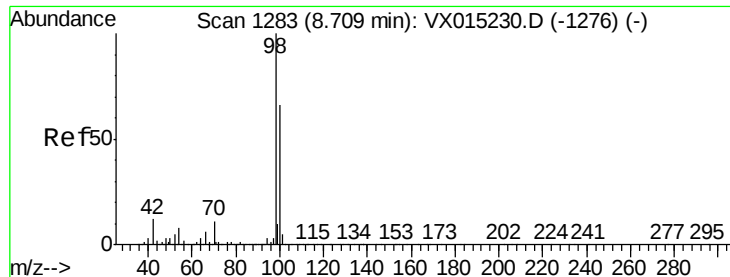
Delta R.T. 0.00 min

Lab File: VX015230.D

Acq: 12 Mar 2020 12:16

Tgt Ion:	91	Resp:	247286
Ion	Ratio	Lower	Upper
91	100		
92	58.9	46.6	69.8





#63

Toluene-d8

Concen: 28.467 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX015230.D

Acq: 12 Mar 2020 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 98 Resp: 313114

Ion Ratio Lower Upper

98 100

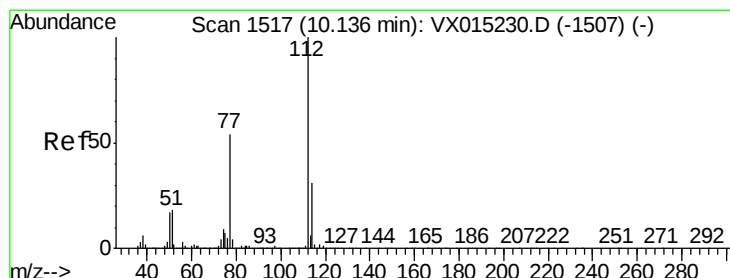
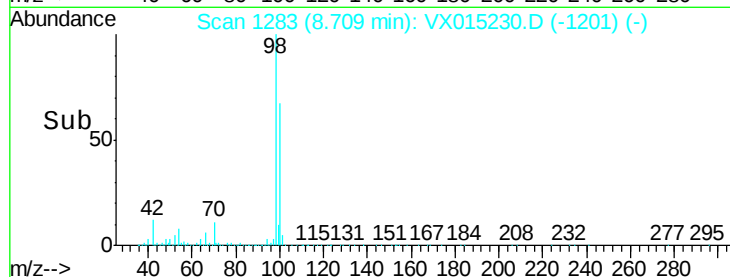
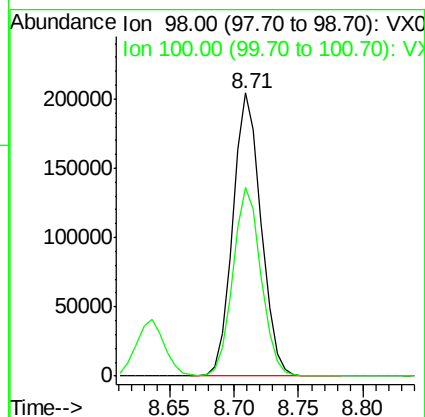
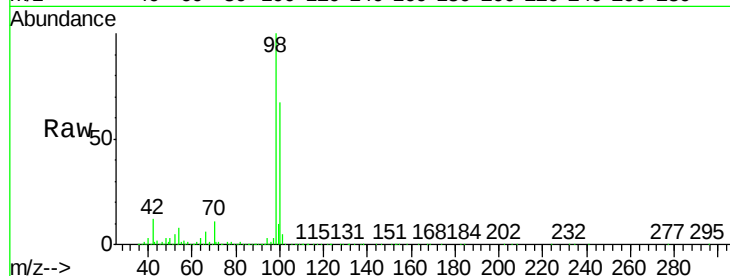
100 66.2 52.8 79.2

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#64

Chlorobenzene

Concen: 20.118 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX015230.D

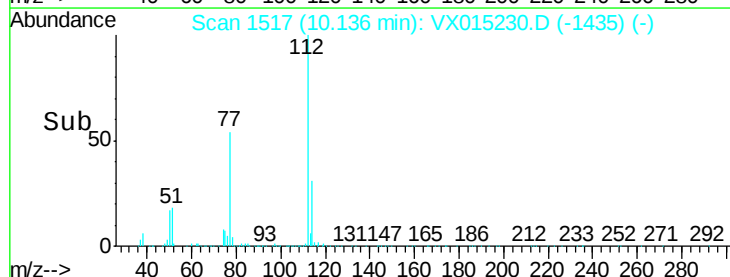
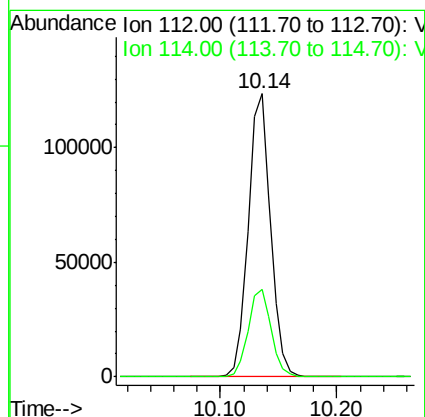
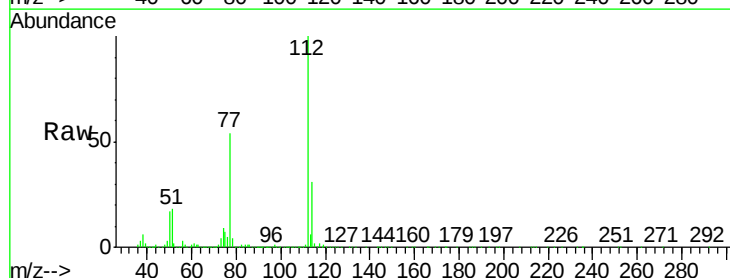
Acq: 12 Mar 2020 12:16

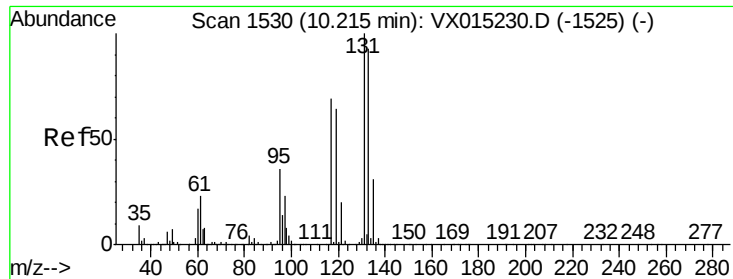
Tgt Ion: 112 Resp: 165893

Ion Ratio Lower Upper

112 100

114 31.0 25.8 38.6





#65

1,1,1,2-Tetrachloroethane

Concen: 20.000 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX015230.D

Acq: 12 Mar 2020 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion:131 Resp: 61089

Ion Ratio Lower Upper

131 100

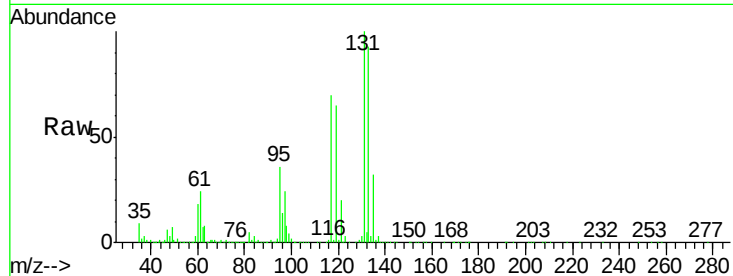
133 94.0 0.0 191.4

119 65.5 0.0 132.0

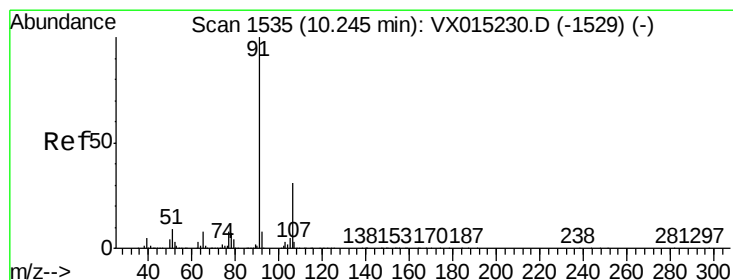
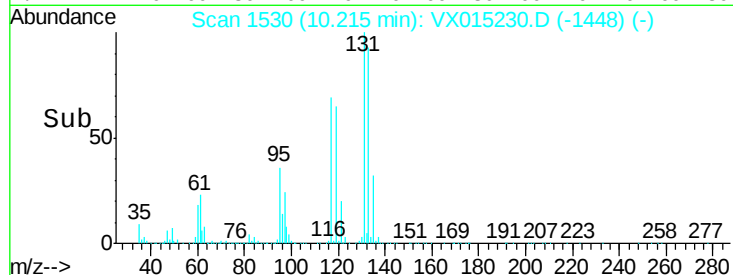
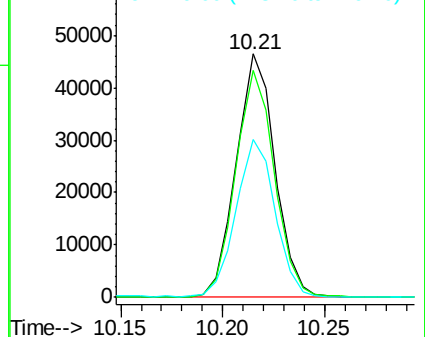
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Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.151 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX015230.D

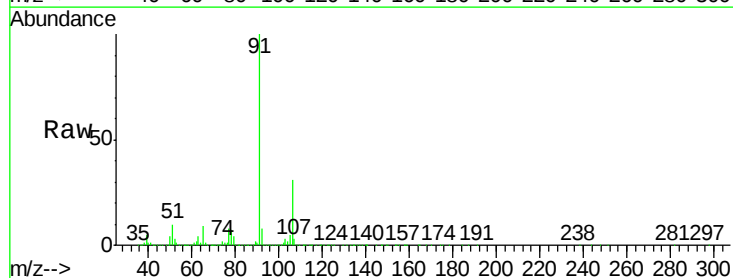
Acq: 12 Mar 2020 12:16

Tgt Ion: 91 Resp: 286778

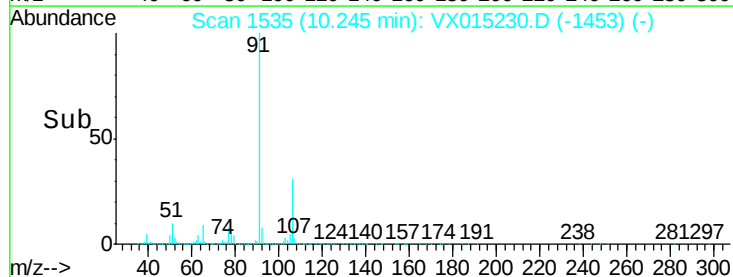
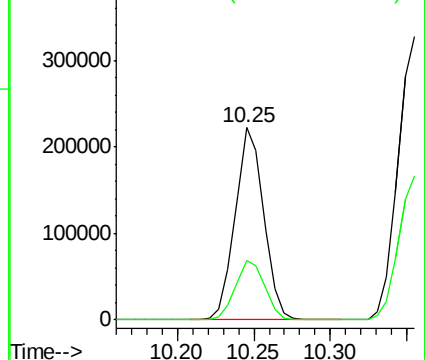
Ion Ratio Lower Upper

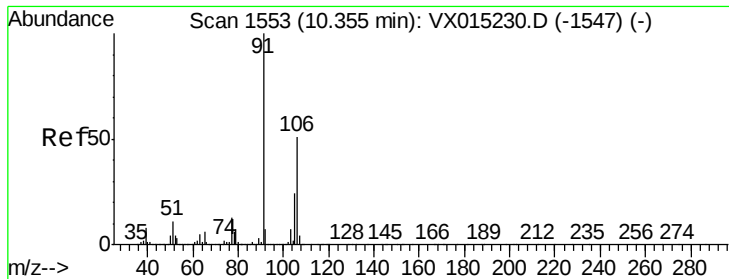
91 100

106 31.1 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 40.020 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX015230.D

Acq: 12 Mar 2020 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion:106 Resp: 219617

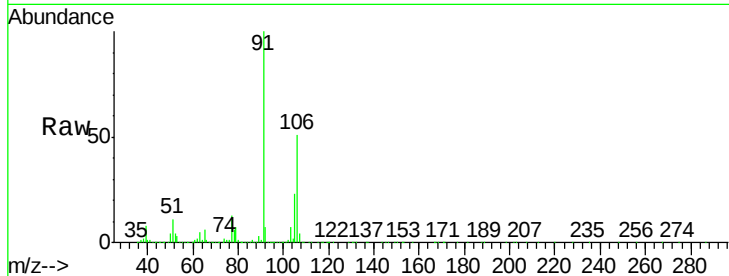
Ion Ratio Lower Upper

106 100

91 200.1 160.4 240.6

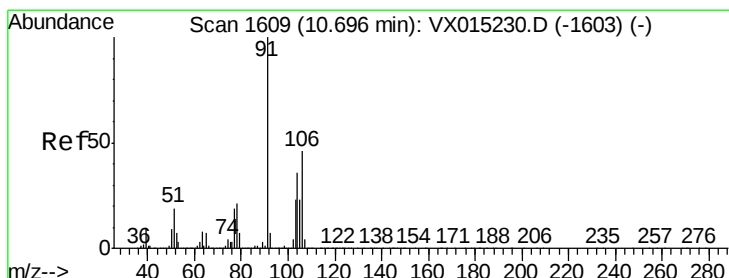
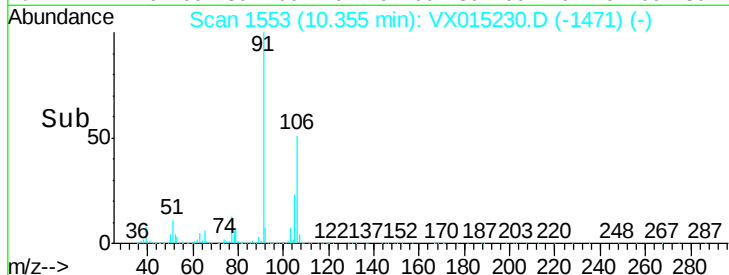
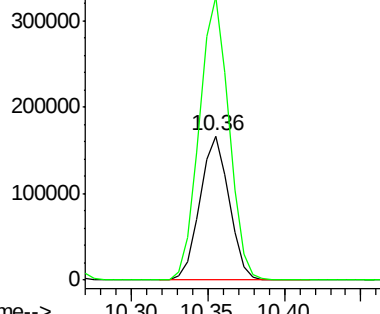
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 19.662 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. 0.00 min

Lab File: VX015230.D

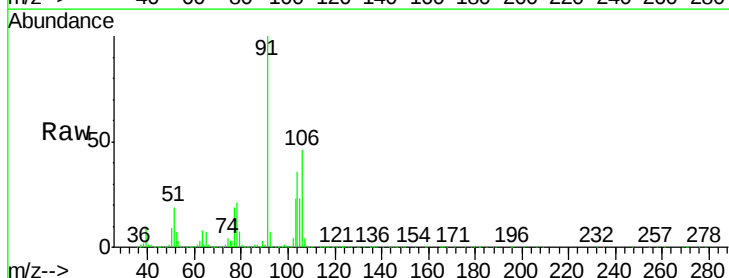
Acq: 12 Mar 2020 12:16

Tgt Ion:106 Resp: 104402

Ion Ratio Lower Upper

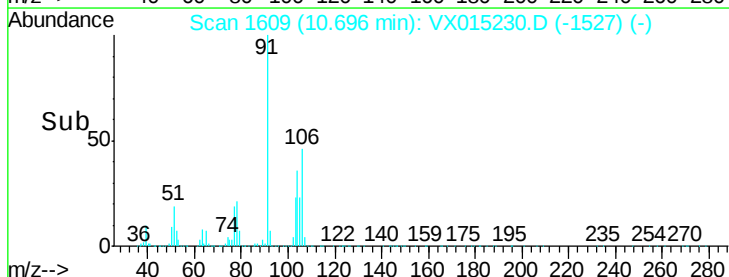
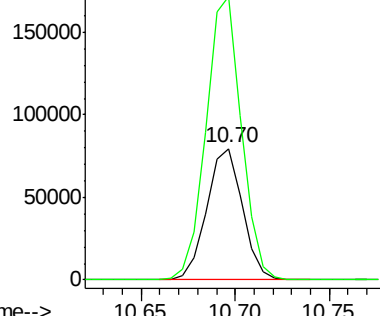
106 100

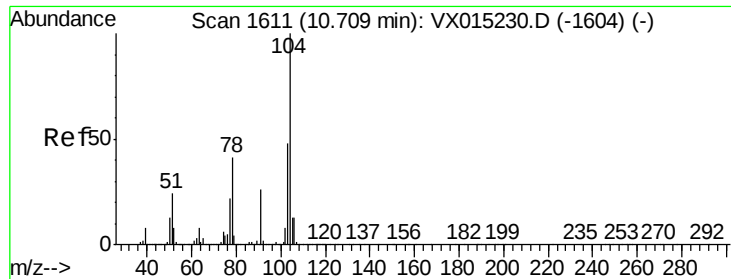
91 212.8 105.3 315.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





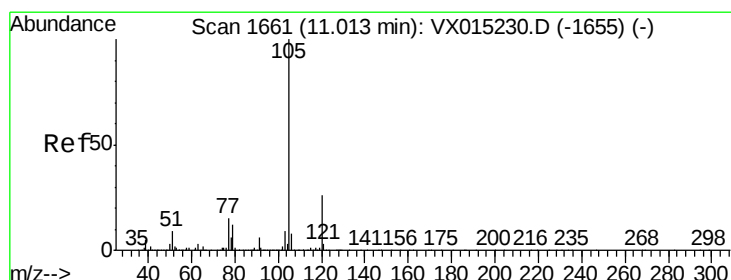
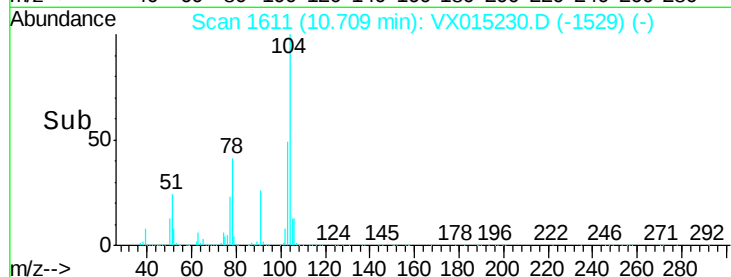
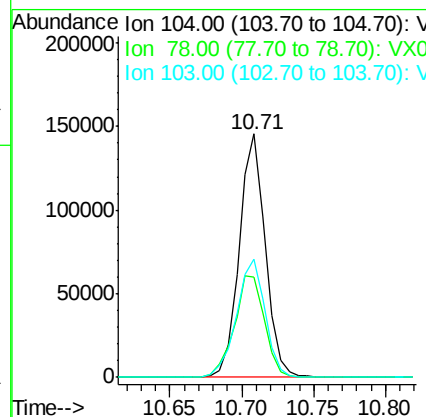
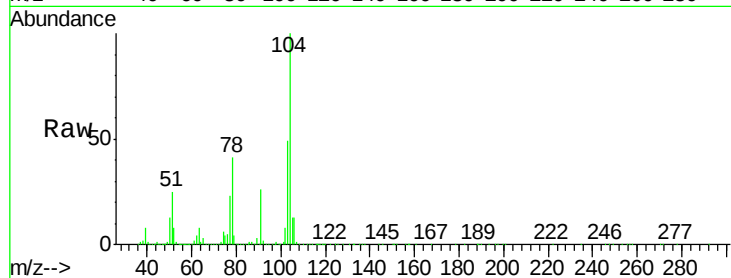
#69
Stvrene
Concen: 20.207 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX015230.D
Acq: 12 Mar 2020 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
104	100	183251		
78	48.6		39.4	59.2
103	54.0		42.9	64.3

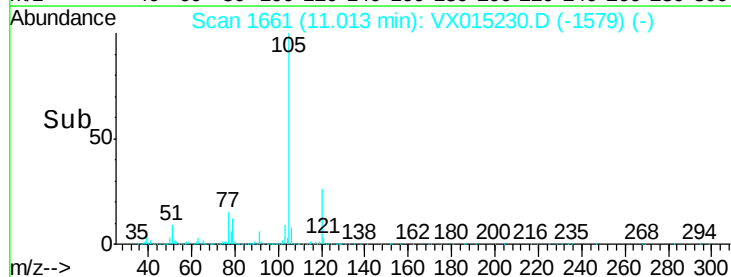
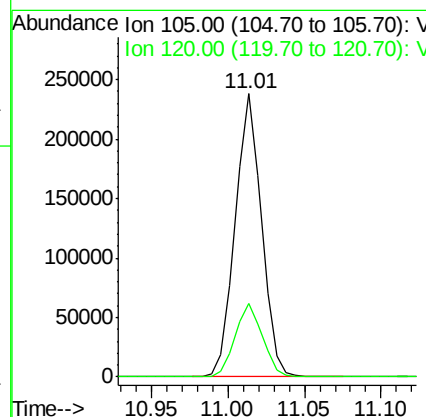
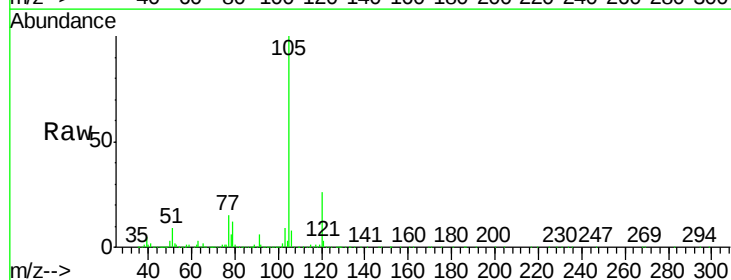
Manual Integrations
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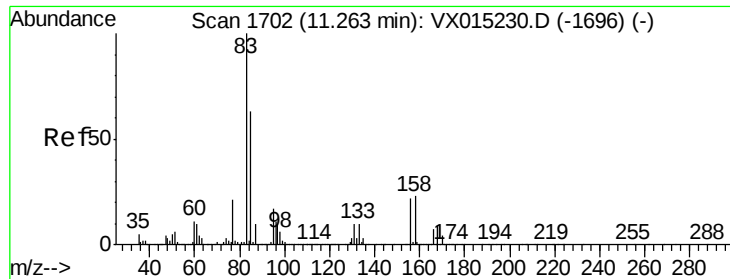
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#70
Isopropylbenzene
Concen: 20.103 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX015230.D
Acq: 12 Mar 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	283535		
120	26.6		18.8	35.0





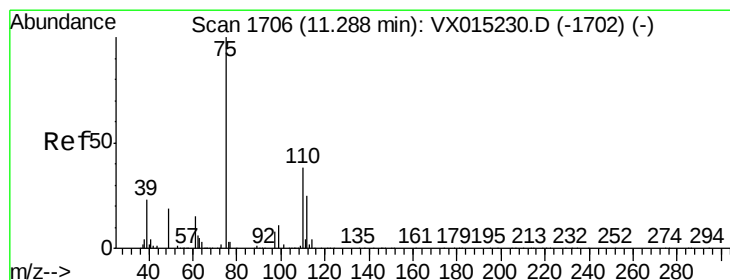
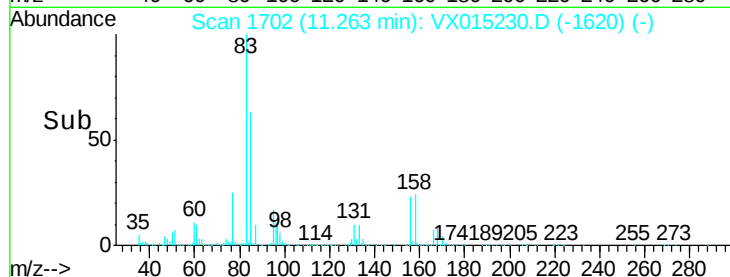
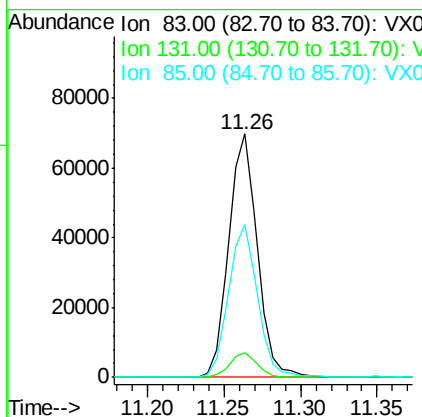
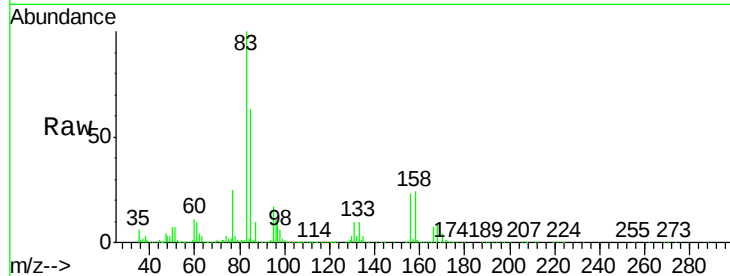
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.900 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VX015230.D
 Acq: 12 Mar 2020 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.1	15.4
85	63.6	32.2	96.6

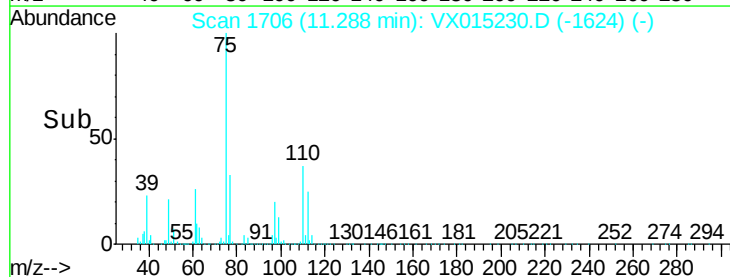
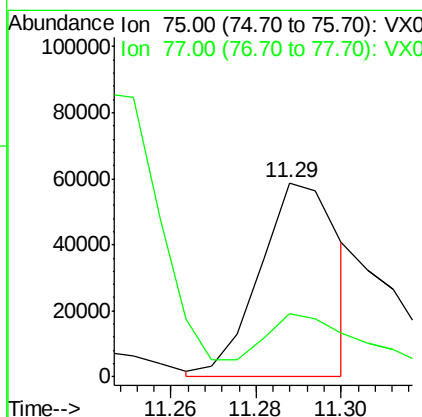
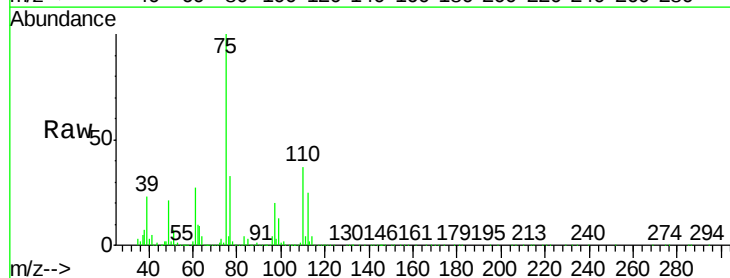
Manual Integrations
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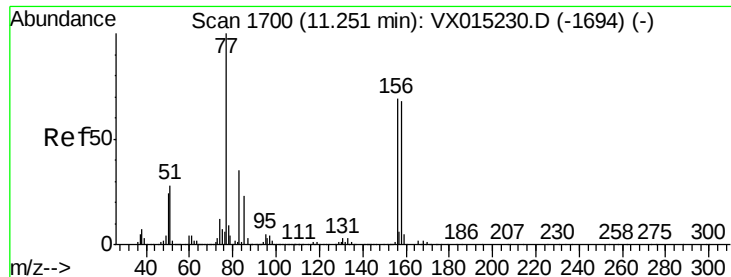
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#72
 1,2,3-Trichloropropane
 Concen: 20.196 ug/l m
 RT: 11.29 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: VX015230.D
 Acq: 12 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
75	100		
77	41.5	0.0	75.4





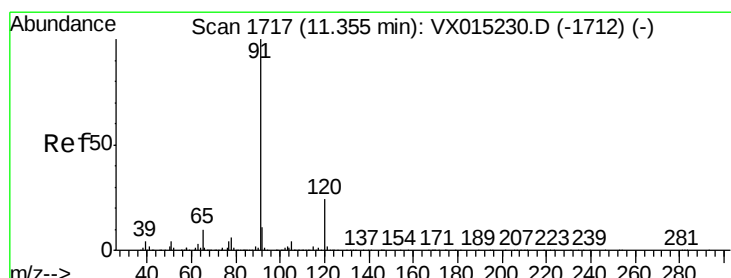
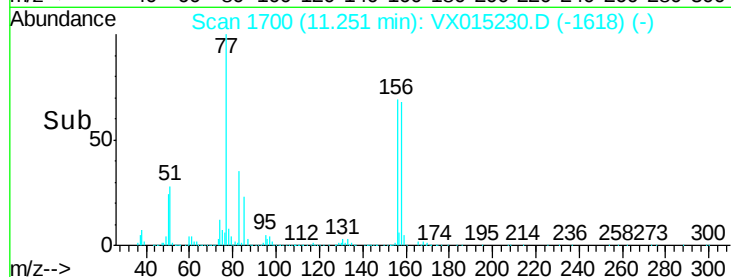
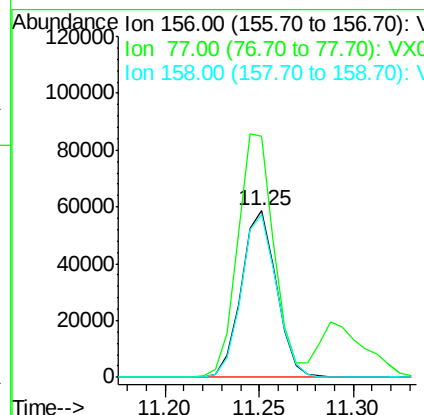
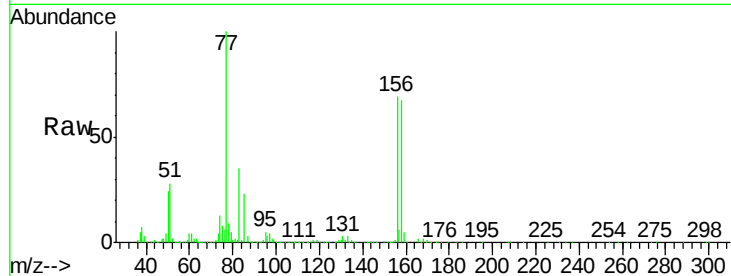
#73
Bromobenzene
Concen: 19.818 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VX015230.D
Acq: 12 Mar 2020 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	152.5	0.0	286.8
158	98.6	0.0	191.8

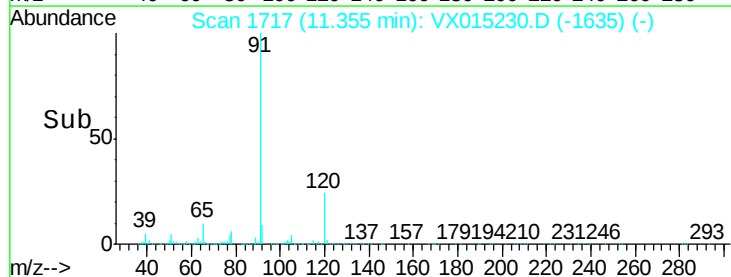
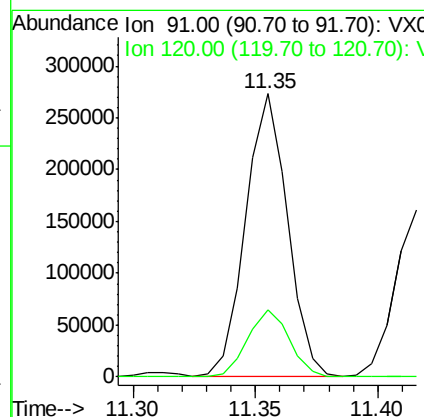
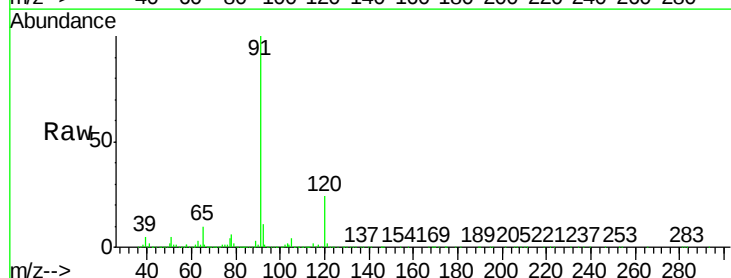
Manual Integrations
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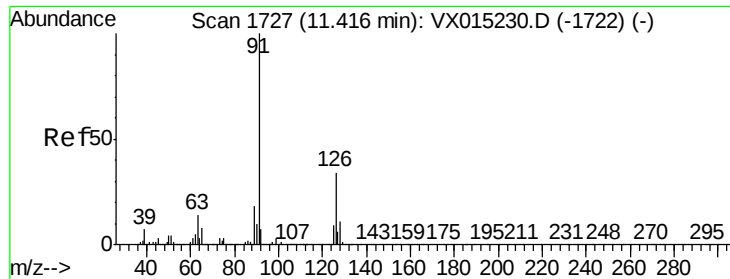
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#74
n-propylbenzene
Concen: 20.166 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VX015230.D
Acq: 12 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	0.0	47.0





#75

2-Chlorotoluene

Concen: 20.084 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX015230.D

Acq: 12 Mar 2020 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 91 Resp: 190525

Ion Ratio Lower Upper

91 100

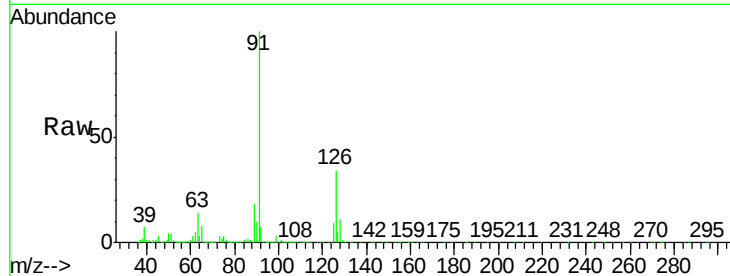
126 34.9 0.0 69.0

Manual Integrations

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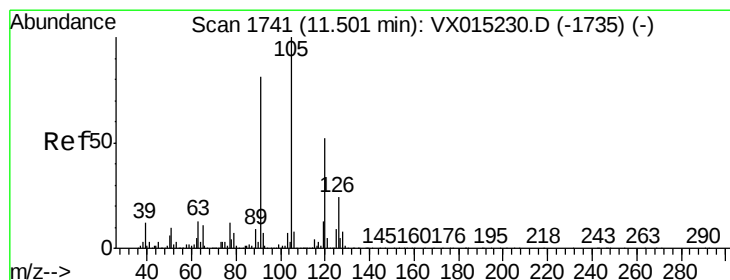
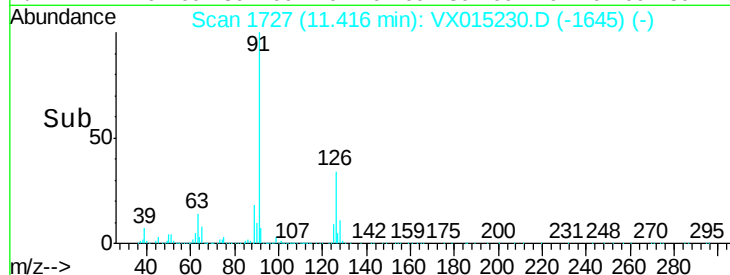
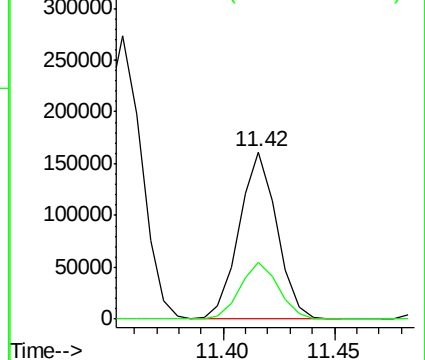
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 19.976 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX015230.D

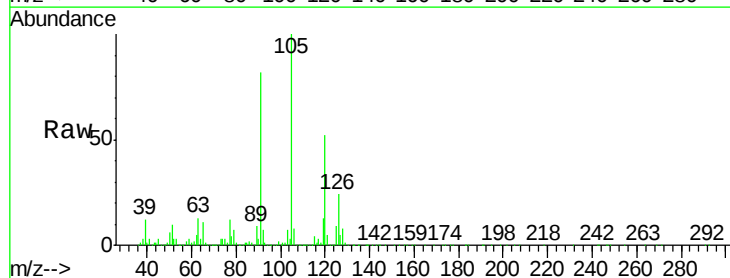
Acq: 12 Mar 2020 12:16

Tgt Ion: 105 Resp: 236121

Ion Ratio Lower Upper

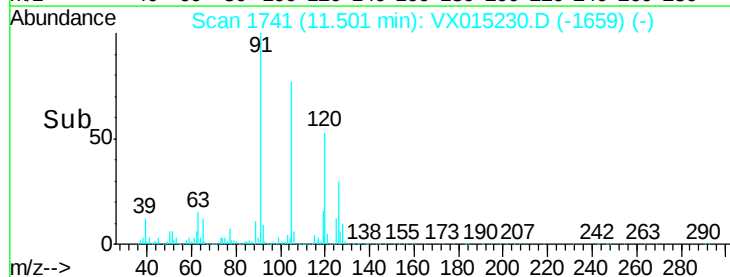
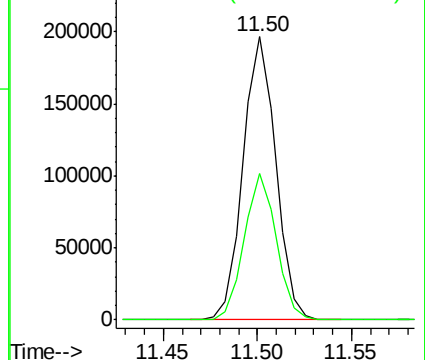
105 100

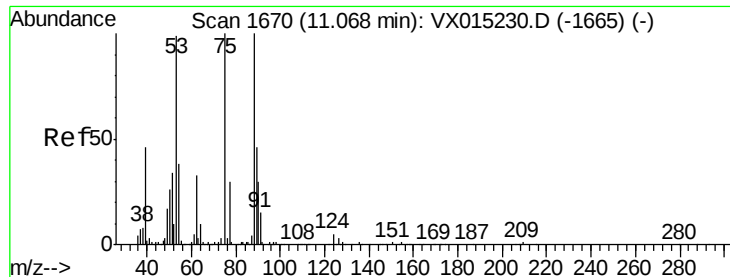
120 50.6 0.0 101.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





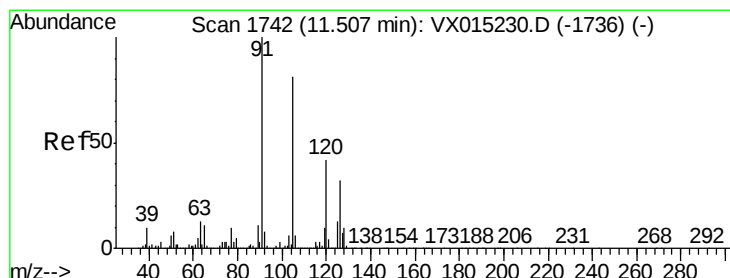
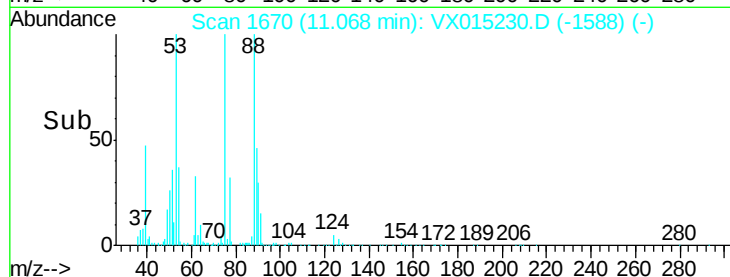
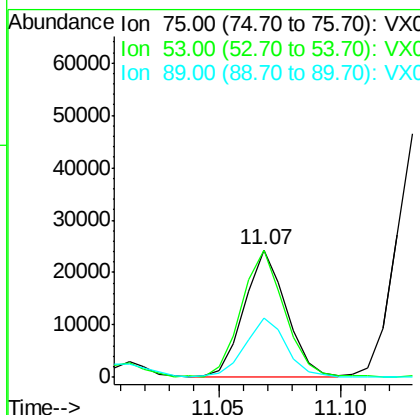
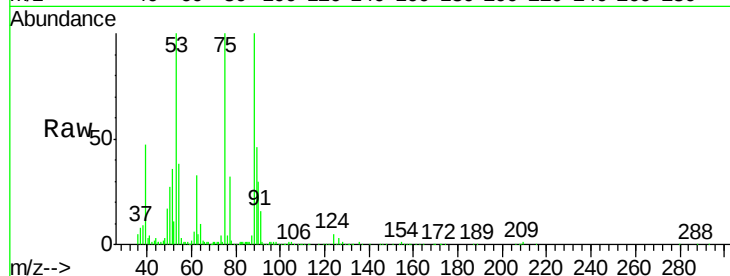
#77
t-1,4-Dichloro-2-butene
Concen: 18.978 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX015230.D
Acq: 12 Mar 2020 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.9	50.0	149.8
89	45.9	23.5	70.5

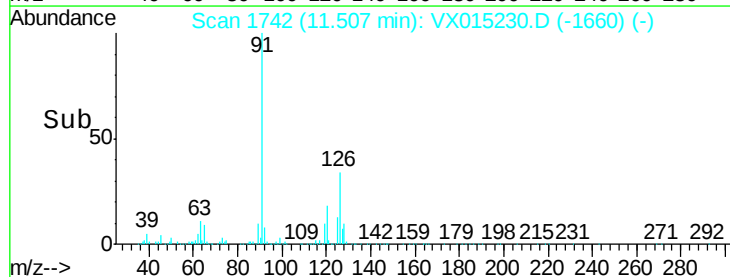
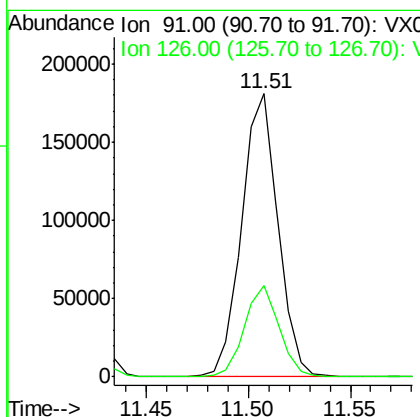
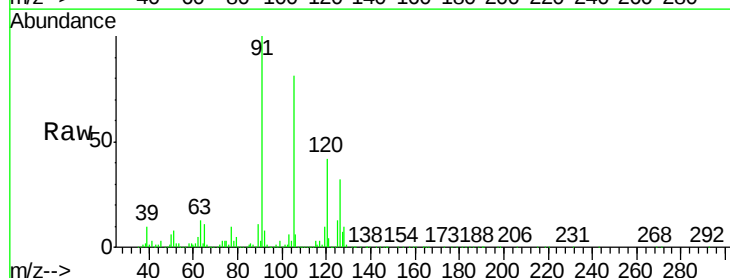
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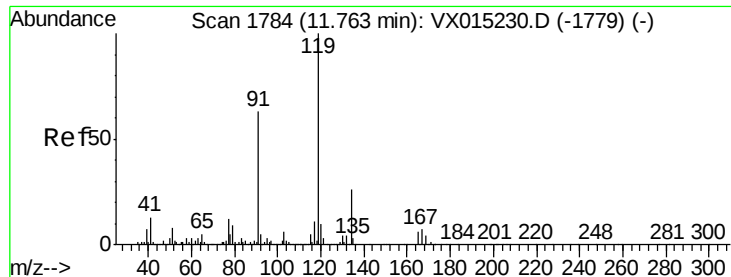
MMDadoda
3/16/2020 11:43:33 AM



#78
4-Chlorotoluene
Concen: 20.176 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX015230.D
Acq: 12 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.7	0.0	62.0





#79

tert-butylbenzene

Concen: 18.305 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX015230.D

Acq: 12 Mar 2020 12:16

Instrument :

MSVOA_X

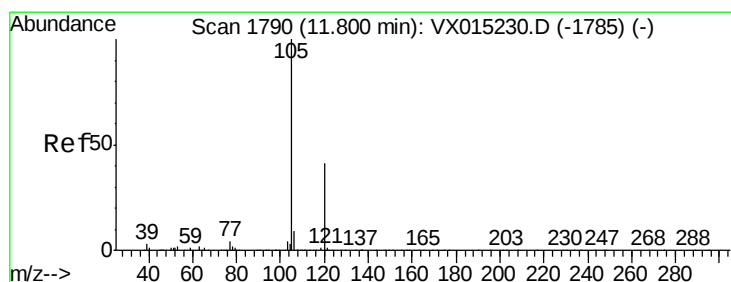
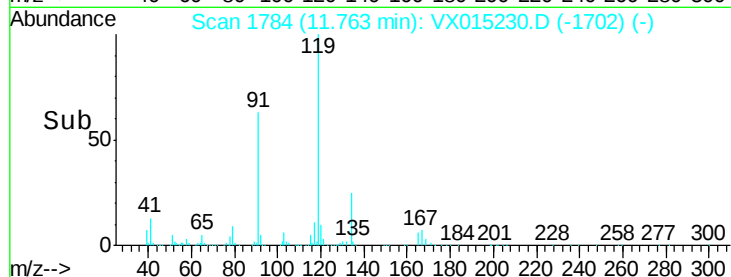
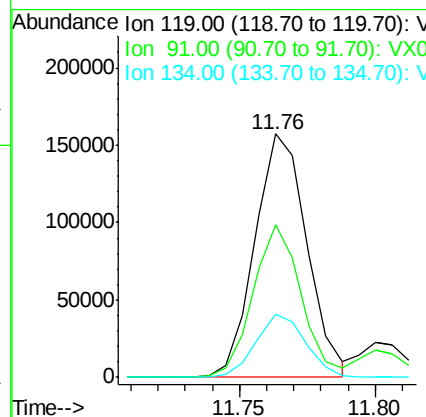
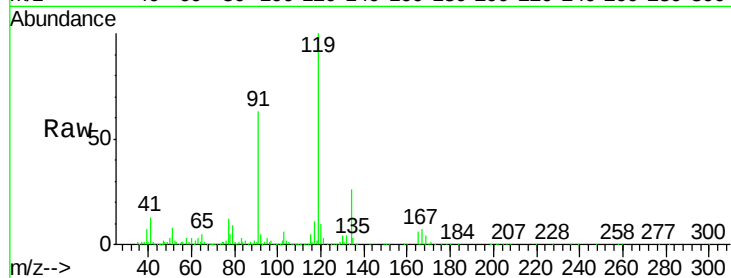
ClientSampleId :

VSTDICCC020

Tot Ion:	119	Resp:	209044
Ion Ratio	Lower	Upper	
119	100		
91	57.7	0.0	114.4
134	24.7	0.0	48.8

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#80

1,2,4-Trimethylbenzene

Concen: 18.986 ug/l

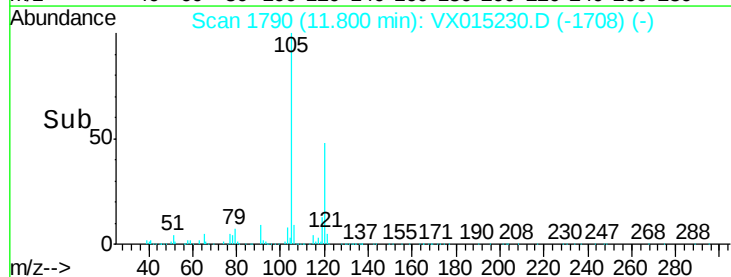
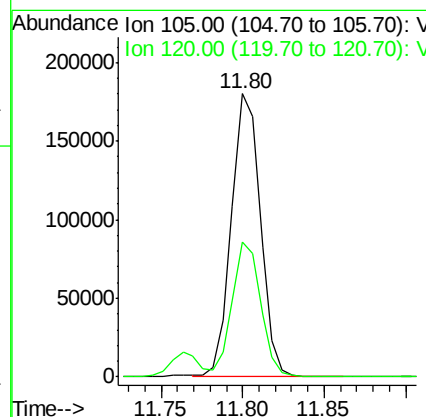
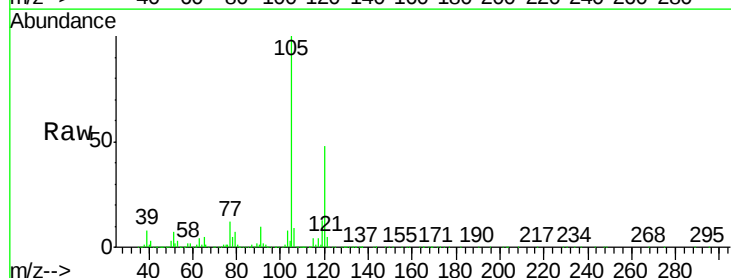
RT: 11.80 min Scan# 1790

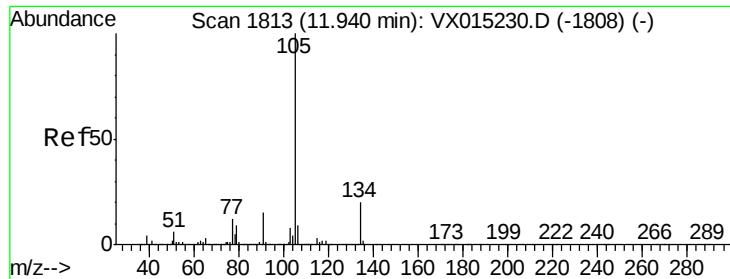
Delta R.T. 0.00 min

Lab File: VX015230.D

Acq: 12 Mar 2020 12:16

Tgt Ion:	105	Resp:	223113
Ion Ratio	Lower	Upper	
105	100		
120	46.6	0.0	93.4





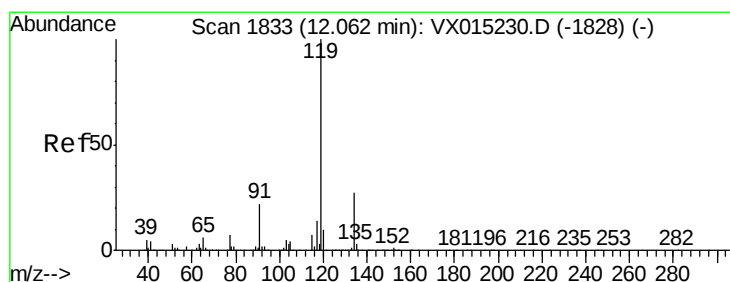
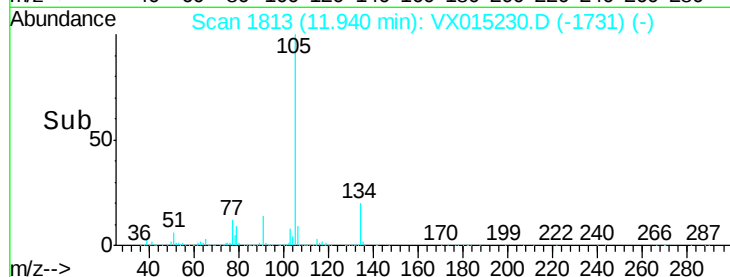
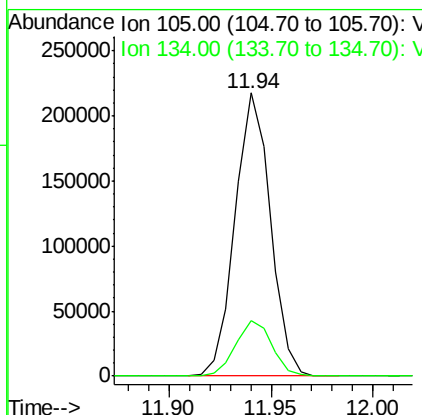
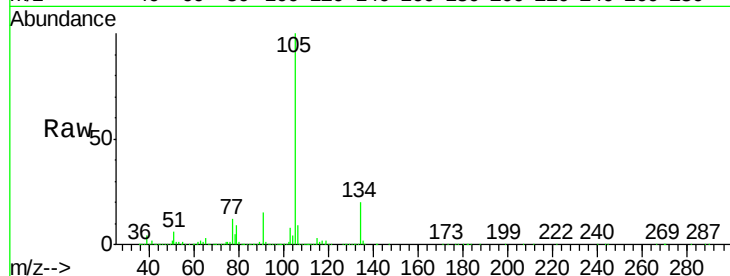
#81
 sec-Butylbenzene
 Concen: 19.041 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX015230.D
 Acq: 12 Mar 2020 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	260409		
134	20.4	0.0	40.8	

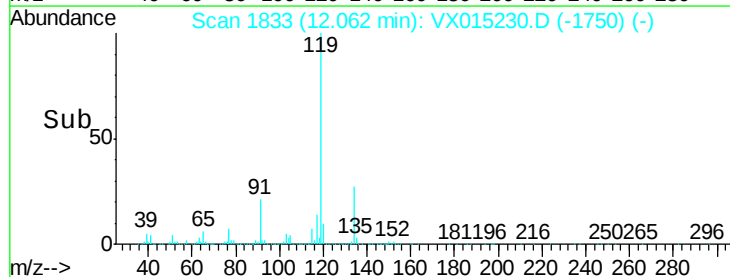
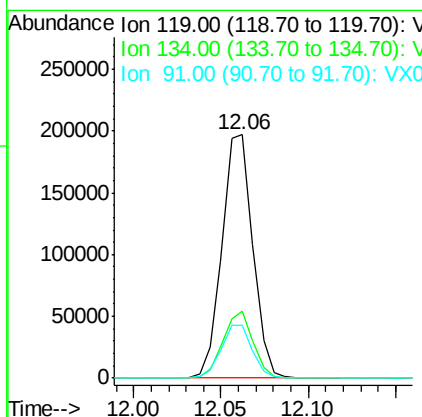
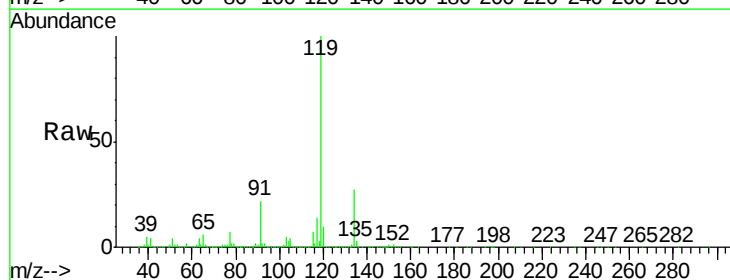
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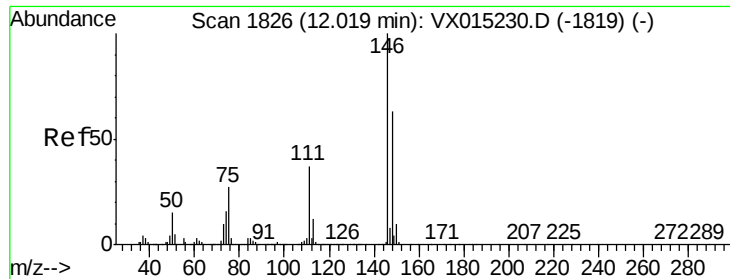
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#82
 p-Isopropyltoluene
 Concen: 18.998 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.01 min
 Lab File: VX015230.D
 Acq: 12 Mar 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	241382		
134	26.8	0.0	53.2	
91	21.8	0.0	44.6	





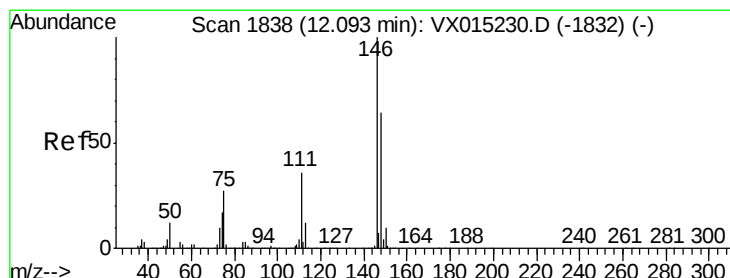
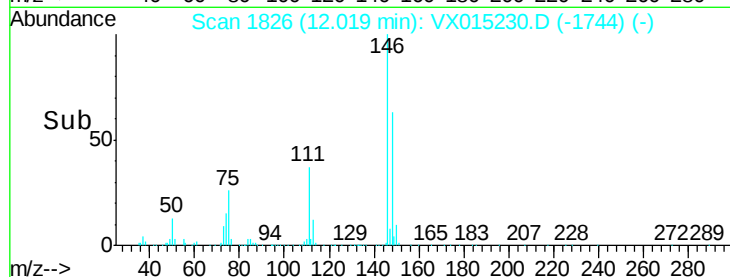
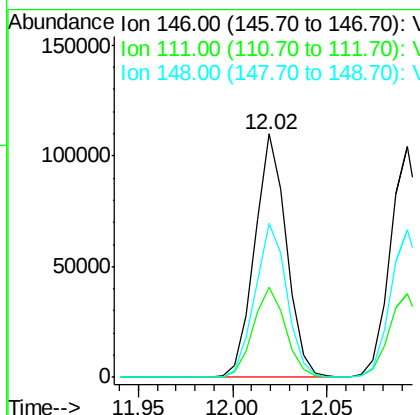
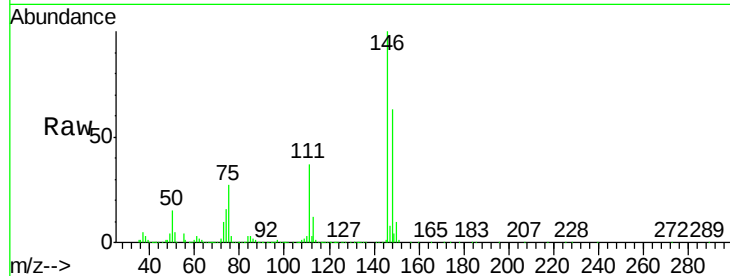
#83
 1,3-Dichlorobenzene
 Concen: 19.177 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX015230.D
 Acq: 12 Mar 2020 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	128117		
111	37.6	19.3	57.9	
148	63.8	32.3	96.9	

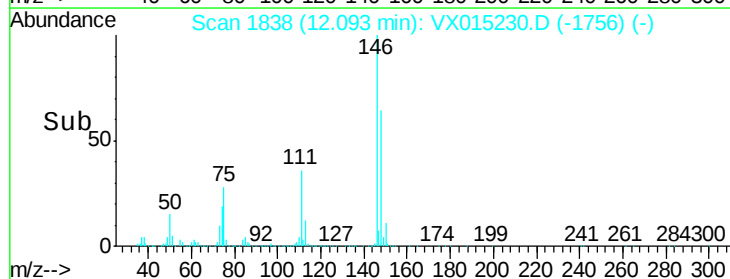
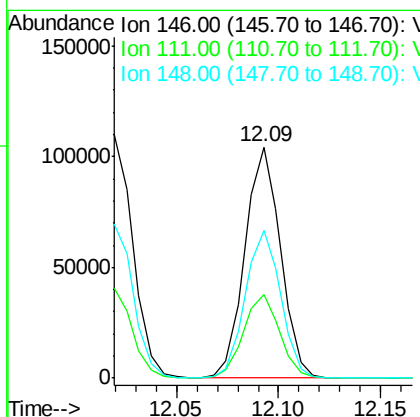
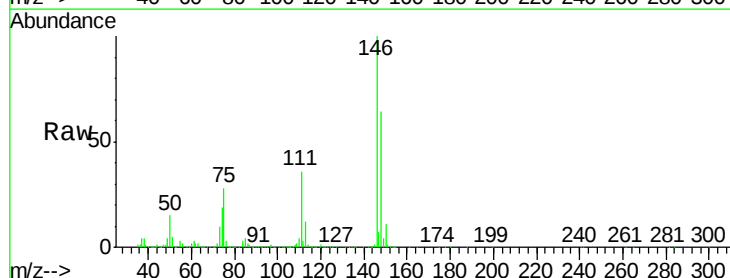
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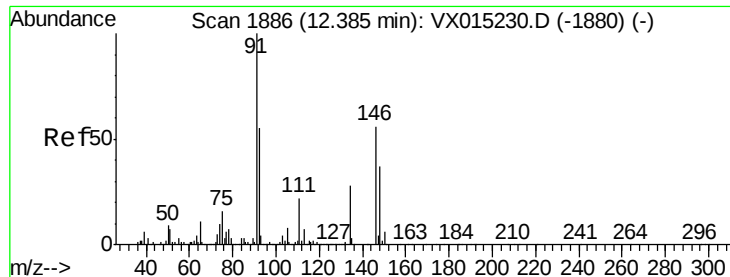
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#84
 1,4-Dichlorobenzene
 Concen: 18.828 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX015230.D
 Acq: 12 Mar 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	126668		
111	36.7	17.8	53.5	
148	63.9	31.4	94.2	





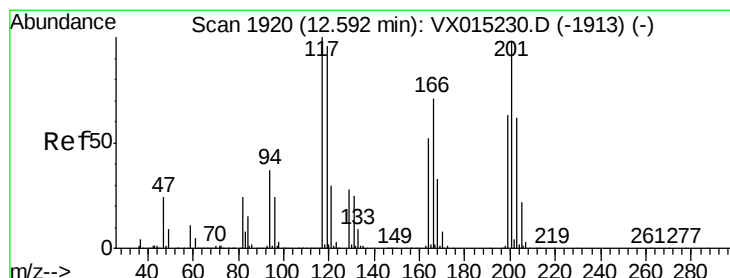
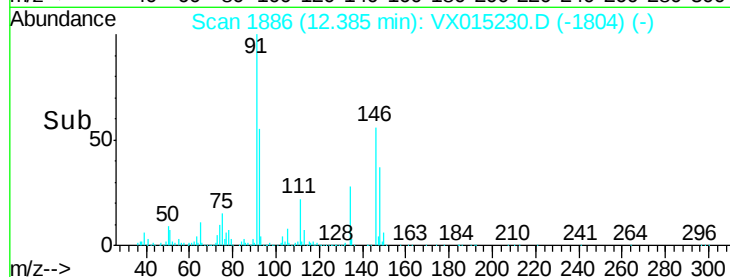
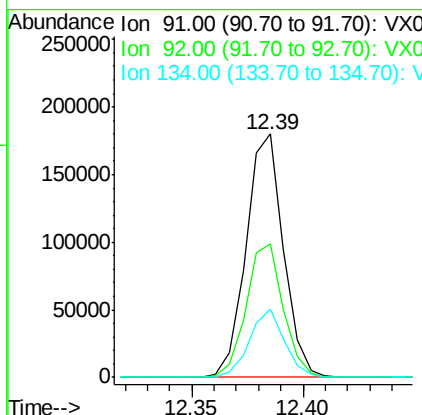
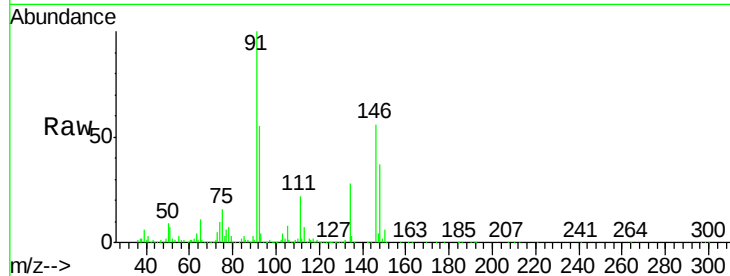
#85
n-Butylbenzene
Concen: 18.993 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX015230.D
Acq: 12 Mar 2020 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	209987		
92	54.7	0.0	109.8	
134	26.5	0.0	54.8	

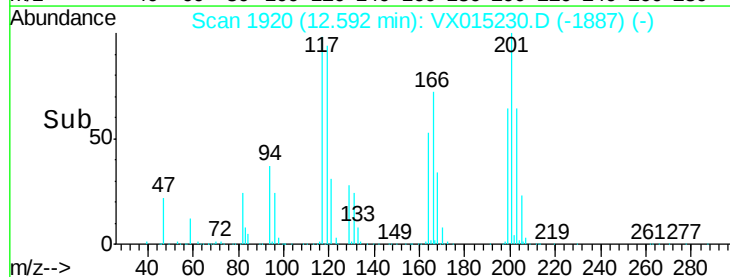
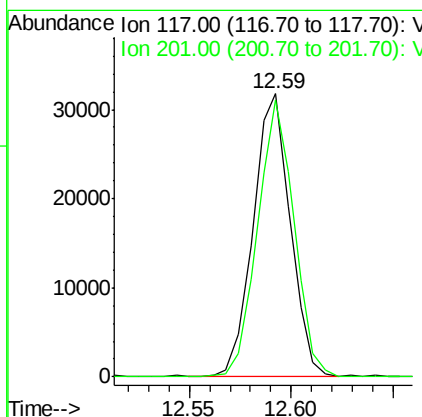
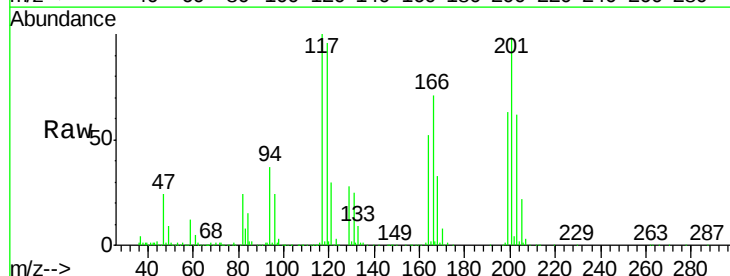
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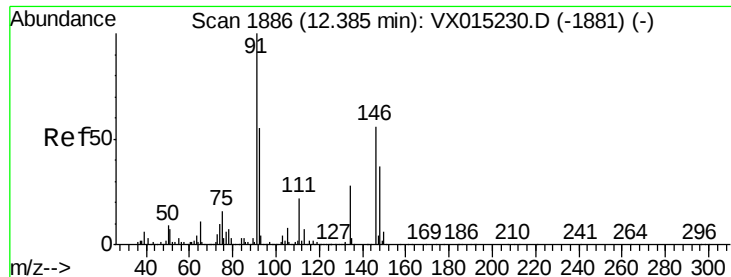
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#86
Hexachloroethane
Concen: 17.554 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX015230.D
Acq: 12 Mar 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	40314		
201	95.5	45.6	136.7	





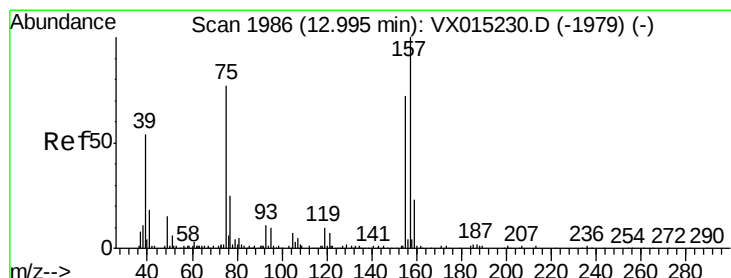
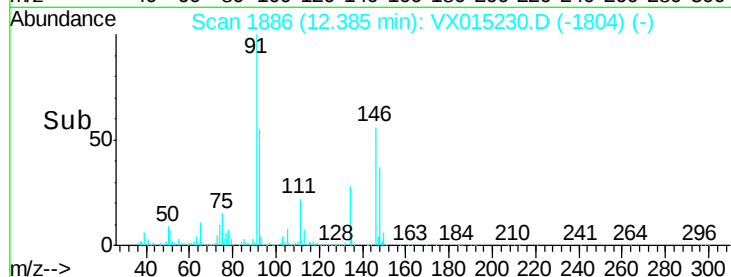
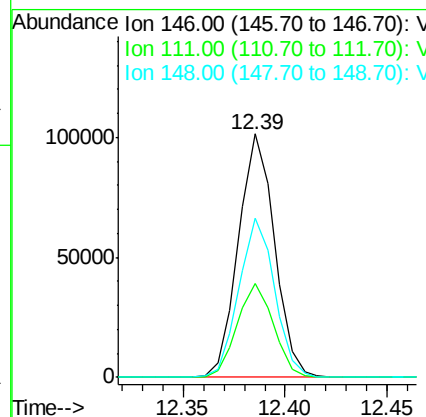
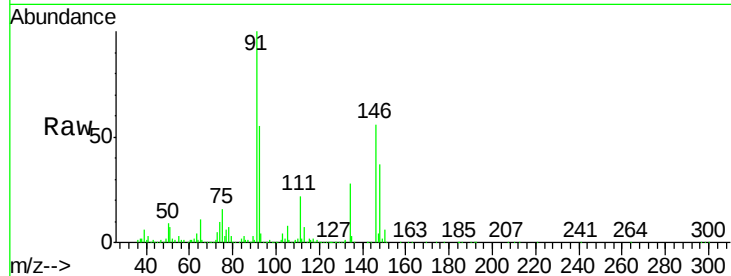
#87
 1,2-Dichlorobenzene
 Concen: 18.760 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX015230.D
 Acq: 12 Mar 2020 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.7	59.1
148	64.7	32.0	96.0

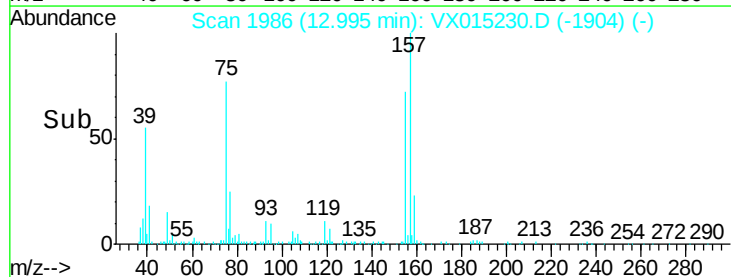
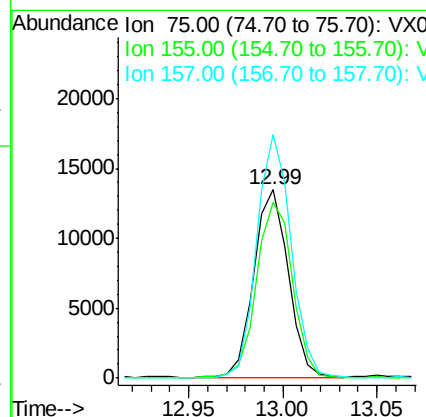
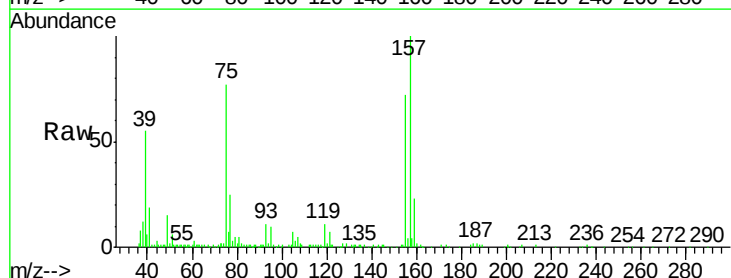
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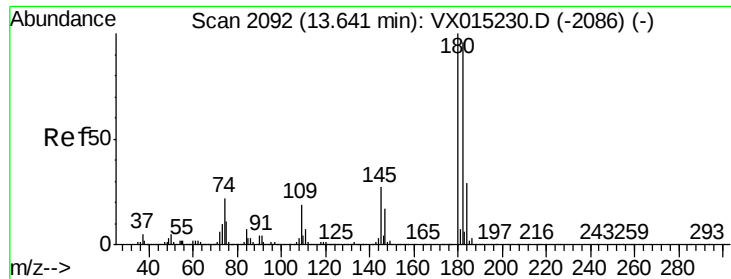
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.331 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX015230.D
 Acq: 12 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.9	74.5	111.7
157	128.7	96.2	144.4





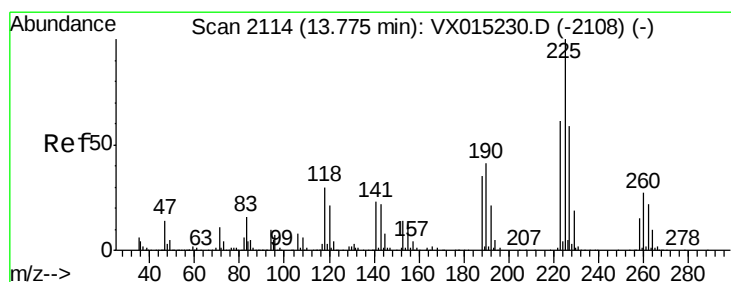
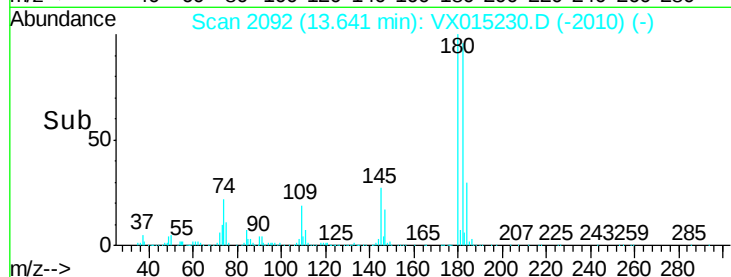
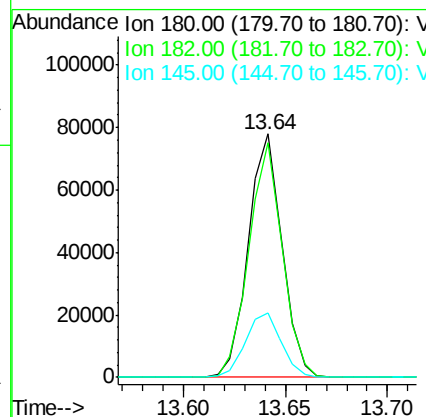
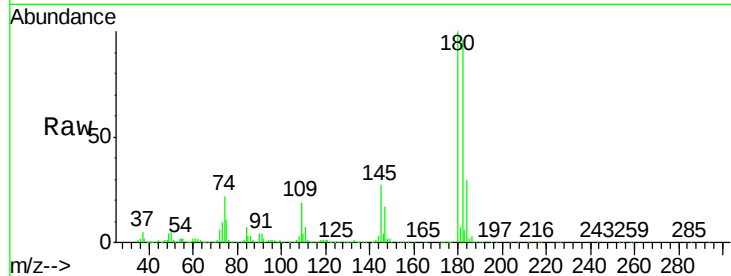
#89
 1,2,4-Trichlorobenzene
 Concen: 18.769 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX015230.D
 Acq: 12 Mar 2020 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.4	114.6
145	28.4	21.8	32.6

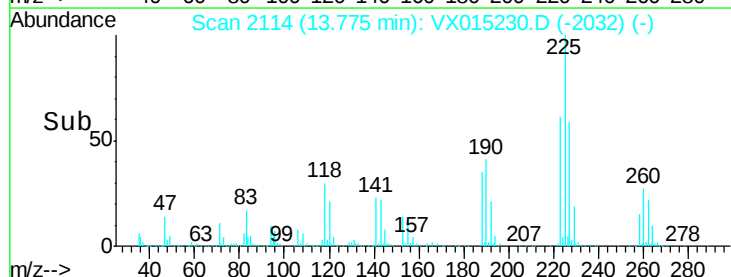
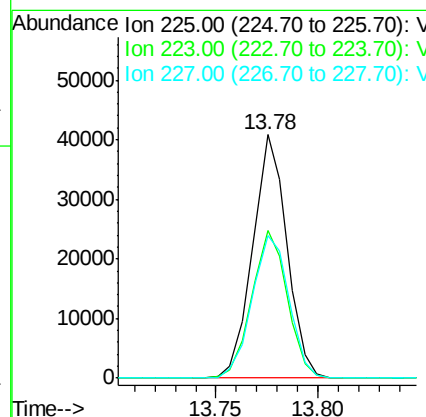
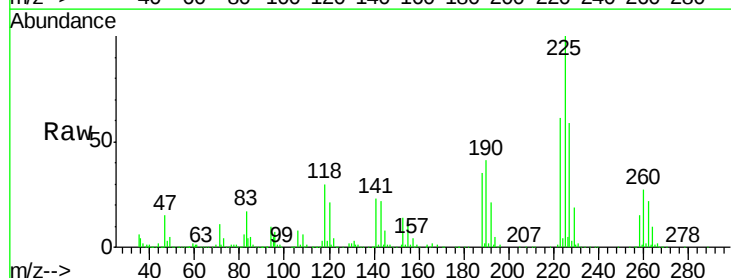
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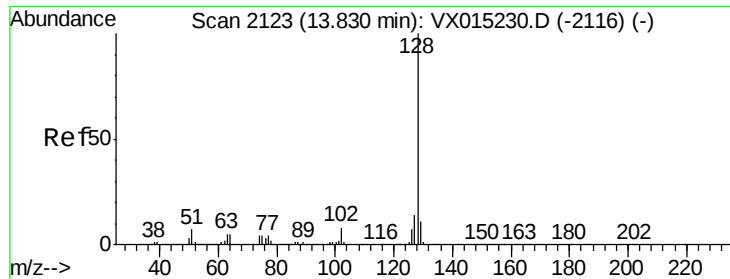
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#90
 Hexachlorobutadiene
 Concen: 20.138 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX015230.D
 Acq: 12 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	0.0	132.0
227	63.1	0.0	131.0





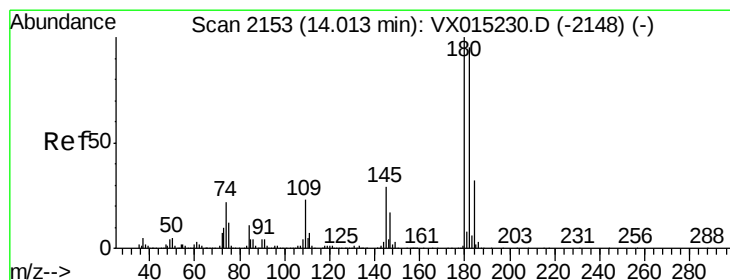
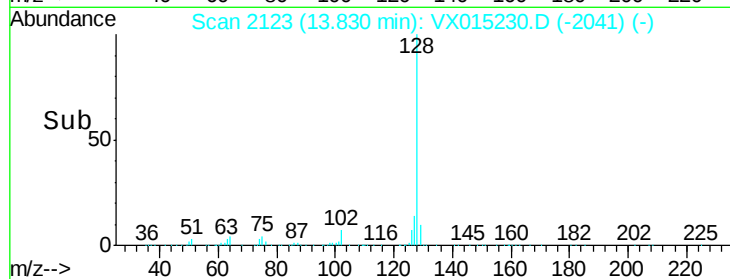
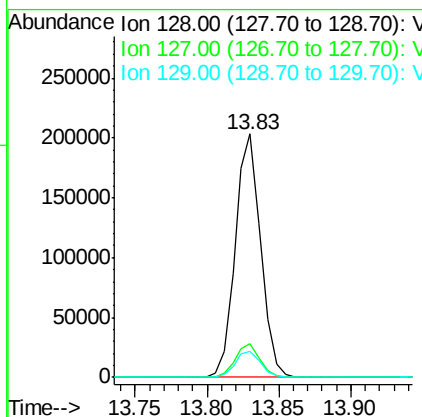
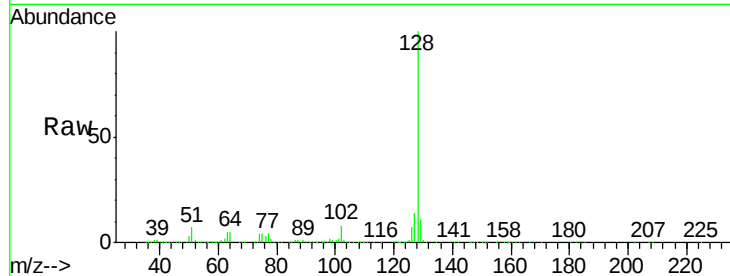
#91
Naphthalene
Concen: 18.506 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX015230.D
Acq: 12 Mar 2020 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.2	15.4
129	10.9	8.6	13.0

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 19.077 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX015230.D
Acq: 12 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	0.0	192.4
145	30.0	0.0	60.4

