

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX043020\
 Data File : VX015988.D
 Acq On : 30 Apr 2020 10:54
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 3:10:10 PM

Quant Time: Apr 30 12:42:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 30 12:23:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	50255	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	280577	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	257270	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.04	65	119054	30.39	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.30%
60) 4-Bromofluorobenzene	11.12	95	128341	29.46	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.20%
63) Toluene-d8	8.70	98	339060	30.98	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.27%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	70108	23.634	ug/l 100
3) Chloromethane	1.32	50	66864	20.637	ug/l 100
4) Vinyl Chloride	1.40	62	74287	22.481	ug/l 100
5) Bromomethane	1.64	94	50845	27.353	ug/l 100
6) Chloroethane	1.71	64	48933	23.346	ug/l 100
7) Trichlorofluoromethane	1.92	101	105688	22.476	ug/l 100
8) Diethyl Ether	2.17	74	40944	22.561	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	53063	19.239	ug/l 100
10) 1,1-Dichloroethene	2.36	96	54147	19.379	ug/l 100
11) Methyl Iodide	2.50	142	70263	18.937	ug/l 100
12) Methyl Acetate	2.75	43	96970	21.759	ug/l 100
13) Acrolein	2.28	56	32530	69.526	ug/l 100
14) Acrylonitrile	3.12	53	171341	97.536	ug/l 100
15) Acetone	2.42	58	44906	99.402	ug/l 100
16) Carbon Disulfide	2.56	76	161988	19.548	ug/l 100
17) Allyl chloride	2.71	41	100059	17.044	ug/l 100
18) Methylene Chloride	2.84	84	59787	19.122	ug/l 100
19) trans-1,2-Dichloroethene	3.15	96	58226	19.233	ug/l 100
20) Diisopropyl ether	3.83	45	190578	17.797	ug/l 100
21) 1,1-Dichloroethane	3.68	63	107161	18.868	ug/l 100
22) cis-1,2-Dichloroethene	4.57	96	65129	18.814	ug/l 100
23) tert-Butyl Alcohol	3.01	59	84217	97.855	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	191674	18.817	ug/l 100
25) Chloroform	5.18	83	108175	19.041	ug/l 100
26) Cyclohexane	5.56	56	97627	18.167	ug/l 100
29) 1,1-Dichloropropene	5.78	75	81028	18.938	ug/l 100
30) 2-Butanone	4.64	43	243853	95.683	ug/l 100
31) 2,2-Dichloropropane	4.55	77	99295	19.299	ug/l 100
32) 1,1,1-Trichloroethane	5.47	97	99667	19.173	ug/l 100
33) Carbon Tetrachloride	5.76	117	88048	18.691	ug/l 100
34) Benzene	6.12	78	239002	19.304	ug/l 100
35) Methacrylonitrile	5.01	41	51418	18.220	ug/l 100
36) 1,2-Dichloroethane	6.17	62	91848	19.418	ug/l 100
37) Trichloroethene	7.19	130	89119	22.830	ug/l 100
38) Methylcyclohexane	7.45	83	98625	18.884	ug/l 100
39) 1,2-Dichloropropane	7.49	63	61047	18.696	ug/l 100
40) Dibromomethane	7.64	93	43043	19.420	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	85419	18.201	ug/l	100
42) Vinyl Acetate	3.79	43	793560	87.903	ug/l	100
43) Ethyl Acetate	4.79	43	96447	17.563	ug/l	100
44) Isopropyl Acetate	6.42	43	155616	18.058	ug/l	100
45) 1,4-Dioxane	7.71	88	32460	390.297	ug/l	100
46) Methyl methacrylate	7.74	41	72669	17.238	ug/l	100
47) n-amyl Acetate	10.88	43	131969	17.621	ug/l	100
48) t-1,3-Dichloropropene	9.02	75	98506	18.154	ug/l	100
49) cis-1,3-Dichloropropene	8.41	75	104104	18.562	ug/l	100
50) 1,1,2-Trichloroethane	9.20	97	59139	18.828	ug/l	100
51) Ethyl methacrylate	9.16	69	94445	17.805	ug/l	100
52) 1,3-Dichloropropane	9.35	76	103621	19.077	ug/l	100
53) Dibromochloromethane	9.57	129	65507	17.404	ug/l	100
54) 1,2-Dibromoethane	9.65	107	63832	18.746	ug/l	100
55) 2-Chloroethyl vinyl ether	8.29	63	255896	98.711	ug/l	100
56) Bromoform	10.84	173	47594	15.902	ug/l	100
58) 4-Methyl-2-Pentanone	8.62	43	472426	96.538	ug/l	100
59) 2-Hexanone	9.47	43	361519	96.443	ug/l	100
61) Tetrachloroethene	9.32	164	99001	24.652	ug/l	100
62) Toluene	8.77	91	254582	19.334	ug/l	100
64) Chlorobenzene	10.12	112	161213	19.046	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.21	131	60568	17.979	ug/l	100
66) Ethyl Benzene	10.24	91	289365	19.312	ug/l	100
67) m/p-Xylenes	10.34	106	217497	38.135	ug/l	100
68) o-Xylene	10.68	106	103722	18.755	ug/l	100
69) Styrene	10.70	104	176639	18.476	ug/l	100
70) Isopropylbenzene	11.00	105	281888	19.089	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	42035	10.766	ug/l	100
72) 1,2,3-Trichloropropane	11.28	75	85566m	19.047	ug/l	100
73) Bromobenzene	11.24	156	71309	18.315	ug/l	100
74) n-propylbenzene	11.35	91	325844	19.179	ug/l	100
75) 2-Chlorotoluene	11.40	91	192547	18.856	ug/l	100
76) 1,3,5-Trimethylbenzene	11.49	105	235660	18.716	ug/l	100
77) t-1,4-Dichloro-2-butene	11.06	75	35447	18.397	ug/l	100
78) 4-Chlorotoluene	11.49	91	226119	19.009	ug/l	100
79) tert-butylbenzene	11.76	119	198910	16.716	ug/l	100
80) 1,2,4-Trimethylbenzene	11.79	105	236943	18.682	ug/l	100
81) sec-Butylbenzene	11.93	105	272331	18.801	ug/l	100
82) p-Isopropyltoluene	12.05	119	251146	18.477	ug/l	100
83) 1,3-Dichlorobenzene	12.01	146	125529	17.947	ug/l	100
84) 1,4-Dichlorobenzene	12.09	146	124468	17.887	ug/l	100
85) n-Butylbenzene	12.37	91	226108	18.587	ug/l	100
86) Hexachloroethane	12.58	117	42563	16.817	ug/l	100
87) 1,2-Dichlorobenzene	12.38	146	123767	18.200	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	12.98	75	21228	17.530	ug/l	100
89) 1,2,4-Trichlorobenzene	13.63	180	89995	16.853	ug/l	100
90) Hexachlorobutadiene	13.77	225	40016	14.903	ug/l	100
91) Naphthalene	13.82	128	290340	18.404	ug/l	100
92) 1,2,3-Trichlorobenzene	14.00	180	85973	16.474	ug/l	100

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VSTDICCC020

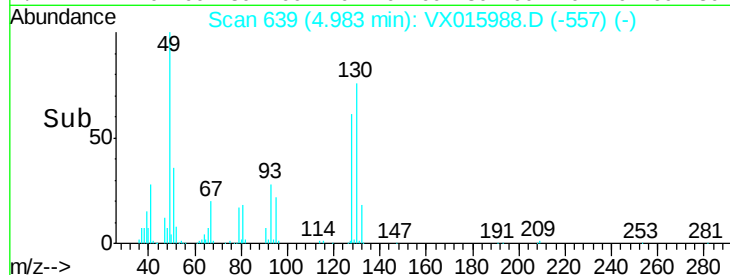
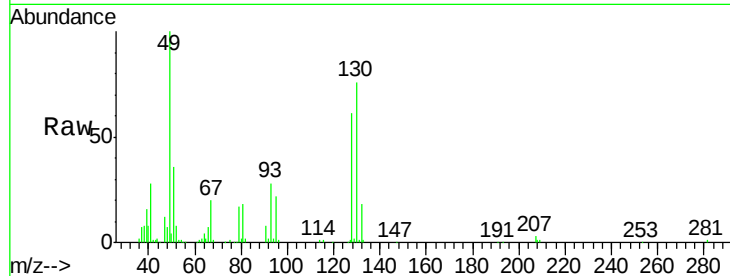
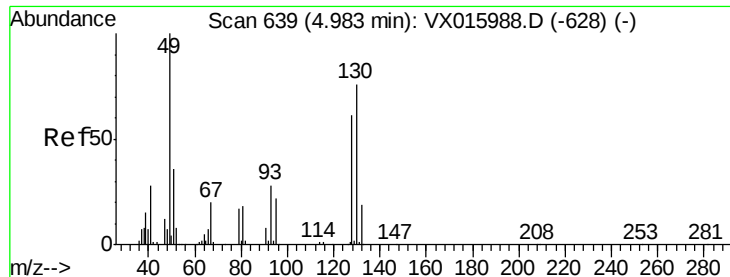
Manual Integrations
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Response via : Initial Calibration

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: 4.98 min Scan# 639

Delta R.T. 0.00 min

Lab File: VX015988.D

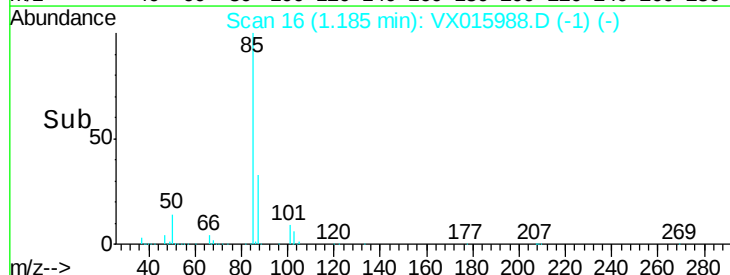
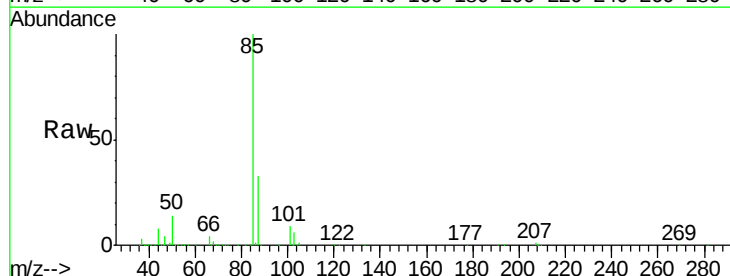
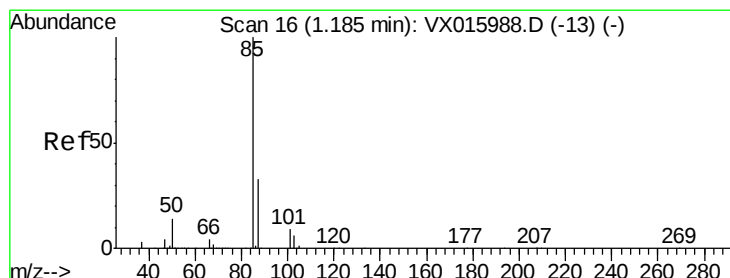
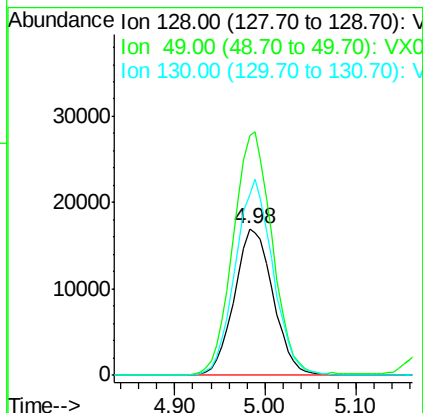
Acq: 30 Apr 2020 10:54

Tot Ion:	128	Resp:	50255
Ion	Ratio	Lower	Upper
128	100		
49	167.4	0.0	418.5
130	130.5	0.0	326.3

Instrument :
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#2

Dichlorodifluoromethane

Concen: 23.634 ug/l

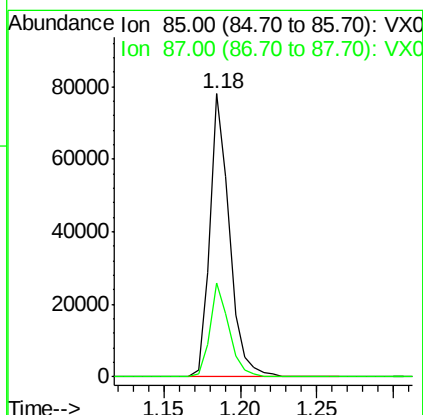
RT: 1.18 min Scan# 16

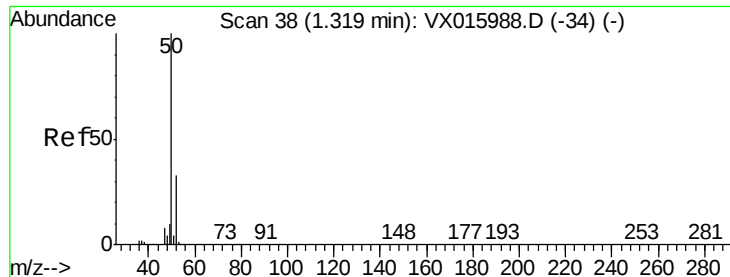
Delta R.T. 0.00 min

Lab File: VX015988.D

Acq: 30 Apr 2020 10:54

Tgt Ion:	85	Resp:	70108
Ion	Ratio	Lower	Upper
85	100		
87	33.1	16.6	49.7





#3

Chloromethane

Concen: 20.637 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.00 min

Lab File: VX015988.D

Acq: 30 Apr 2020 10:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 50 Resp: 66864

Ion Ratio Lower Upper

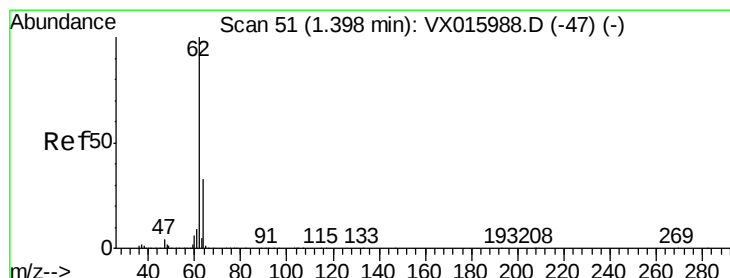
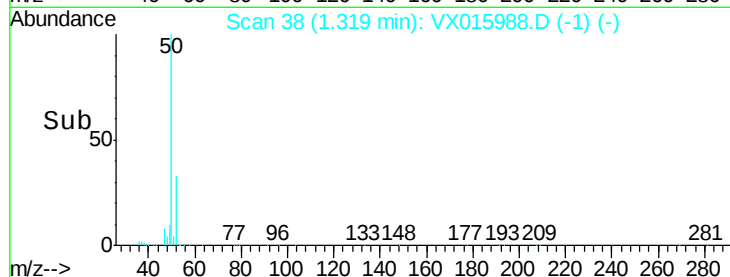
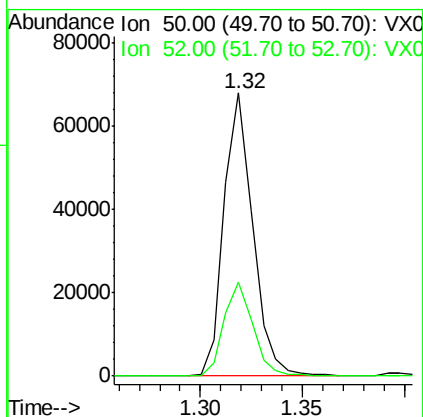
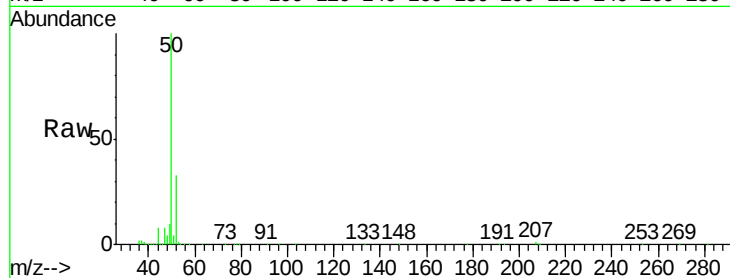
50 100

52 33.1 26.5 39.7

Manual Integrations
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#4

Vinyl Chloride

Concen: 22.481 ug/l

RT: 1.40 min Scan# 51

Delta R.T. 0.00 min

Lab File: VX015988.D

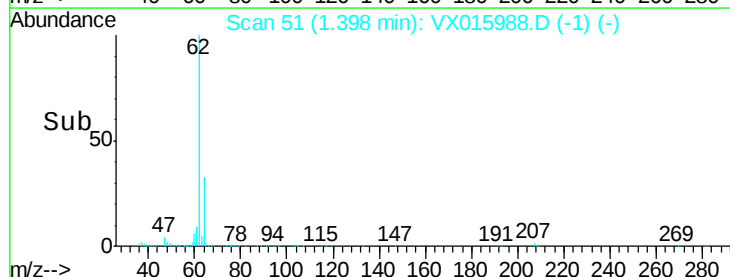
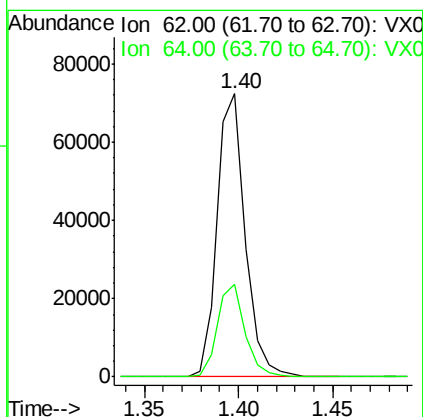
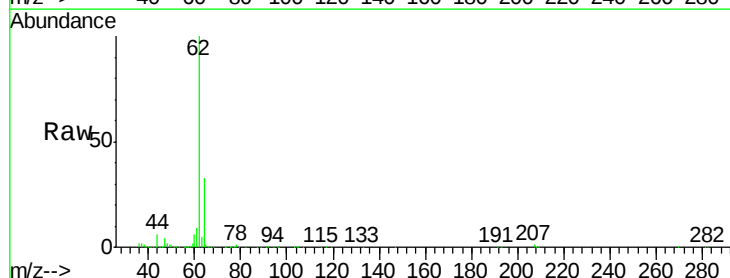
Acq: 30 Apr 2020 10:54

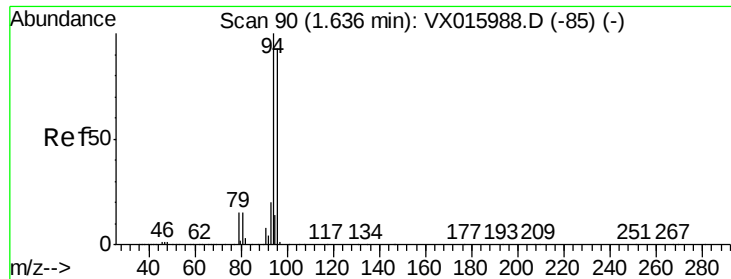
Tgt Ion: 62 Resp: 74287

Ion Ratio Lower Upper

62 100

64 32.9 26.3 39.5





#5

Bromomethane

Concen: 27.353 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX015988.D

Acq: 30 Apr 2020 10:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 94 Resp: 50845

Ion Ratio Lower Upper

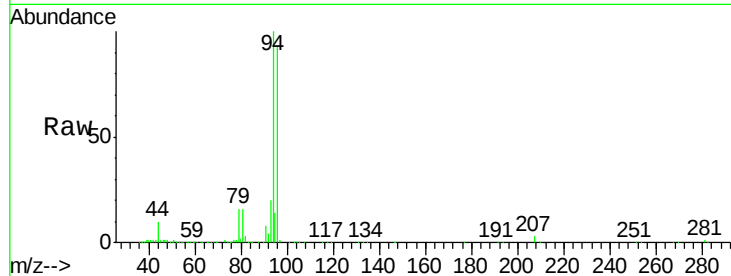
94 100

96 92.7 74.2 111.2

Manual Integrations
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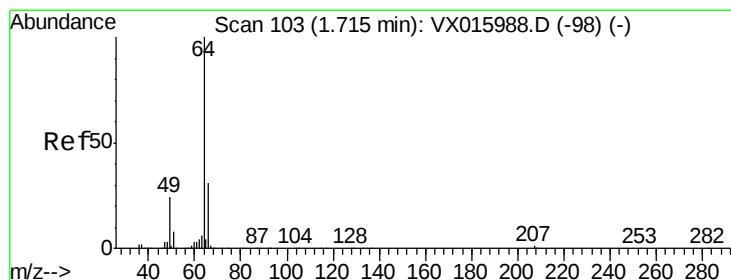
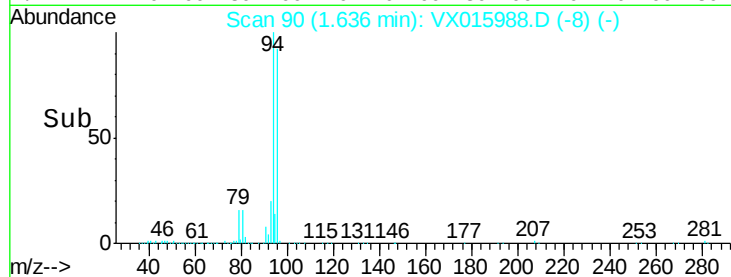
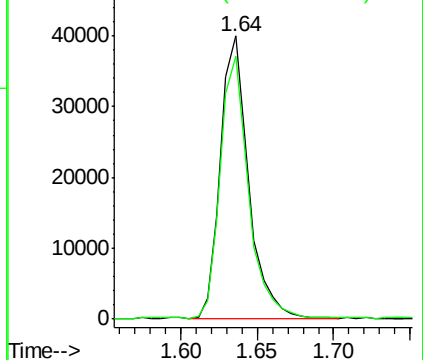
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 23.346 ug/l

RT: 1.71 min Scan# 103

Delta R.T. 0.00 min

Lab File: VX015988.D

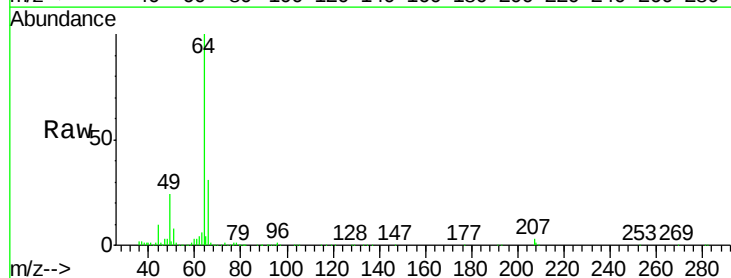
Acq: 30 Apr 2020 10:54

Tgt Ion: 64 Resp: 48933

Ion Ratio Lower Upper

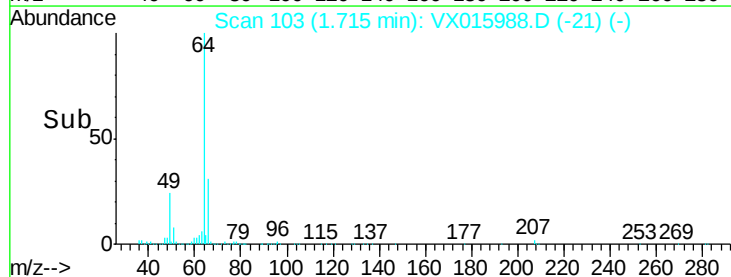
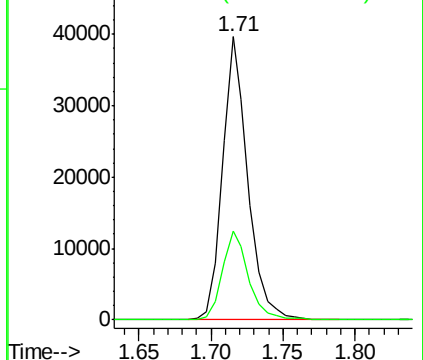
64 100

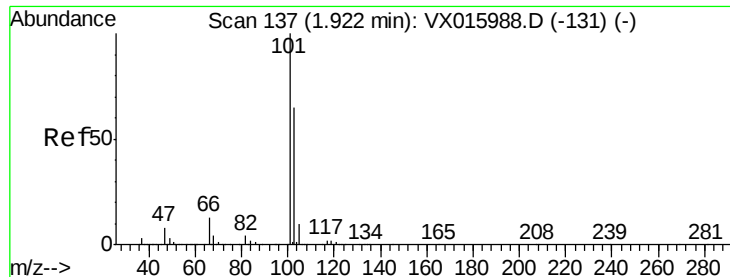
66 31.1 24.9 37.3



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

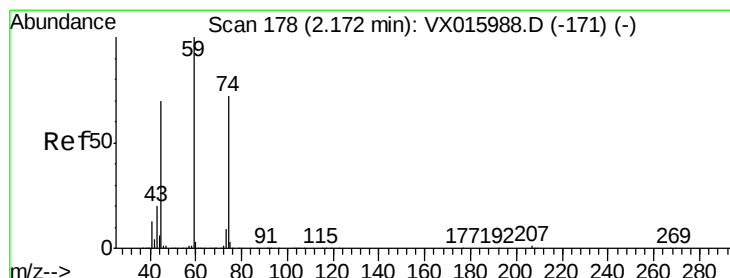
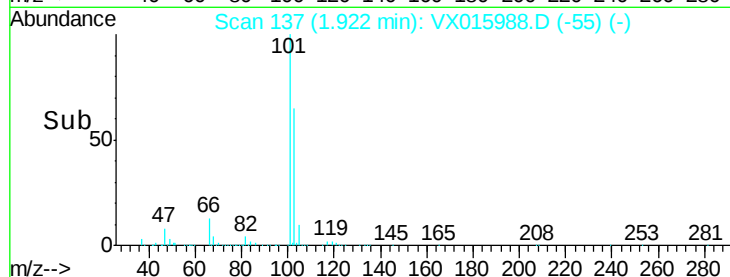
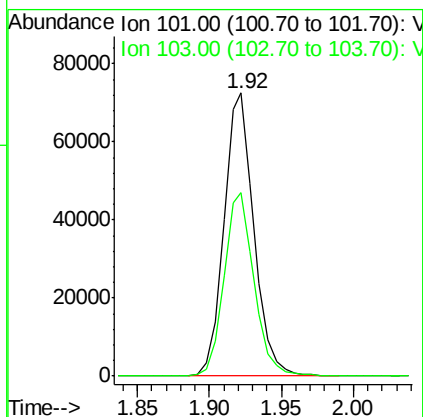
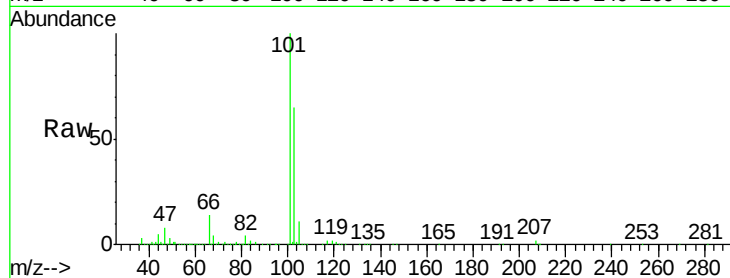
Trichlorofluoromethane
Concen: 22.476 ug/l
RT: 1.92 min Scan# 137
Delta R.T. 0.00 min
Lab File: VX015988.D
Acq: 30 Apr 2020 10:54

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.8	77.8

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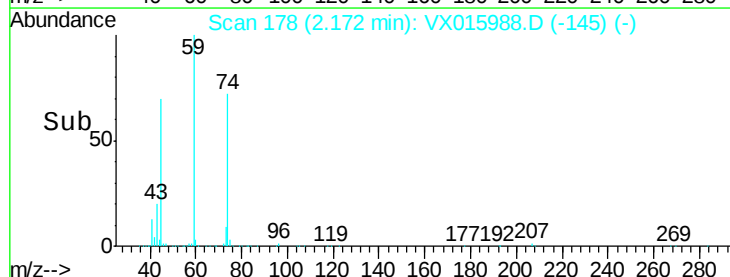
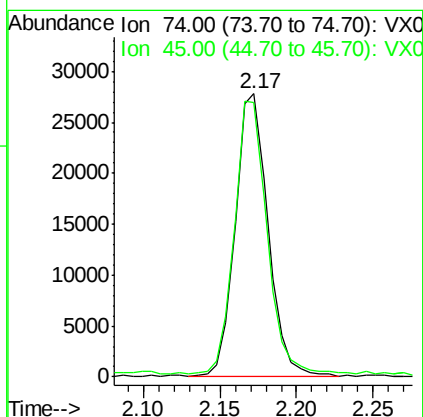
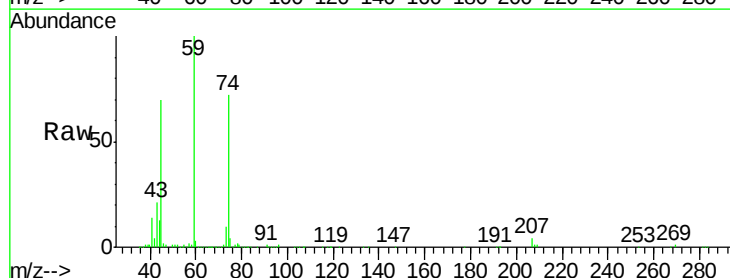
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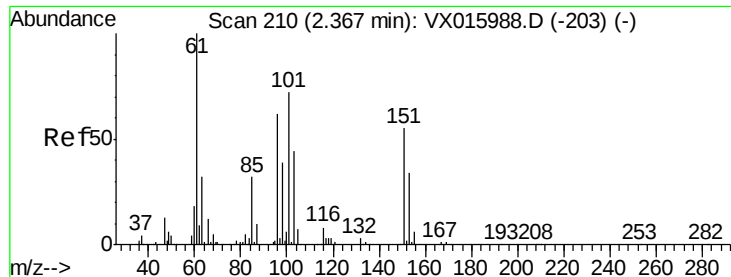


#8

Diethyl Ether
Concen: 22.561 ug/l
RT: 2.17 min Scan# 178
Delta R.T. 0.00 min
Lab File: VX015988.D
Acq: 30 Apr 2020 10:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.4	19.4	174.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.239 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX015988.D

Acq: 30 Apr 2020 10:54

Instrument :

MSVOA_X

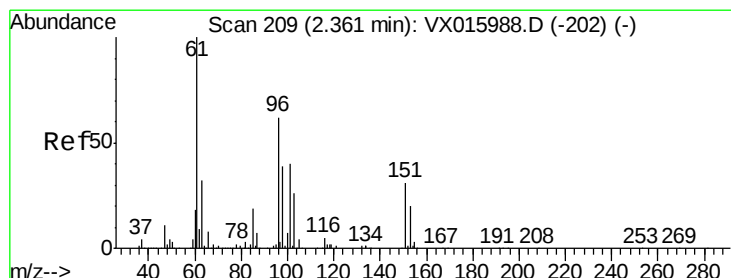
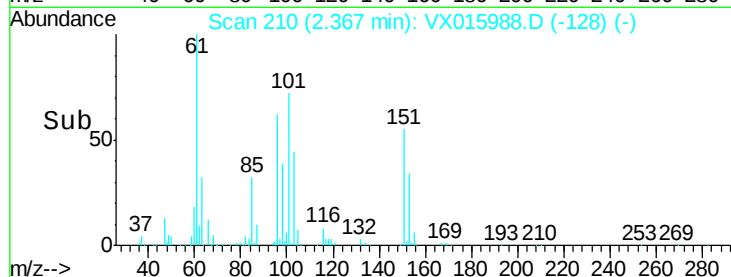
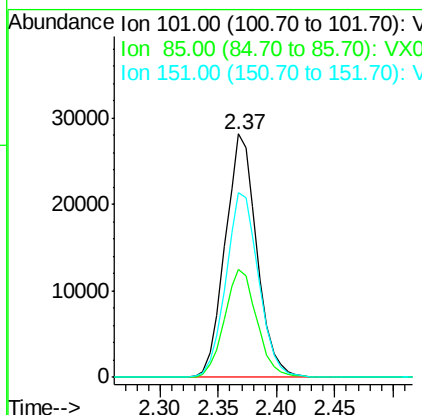
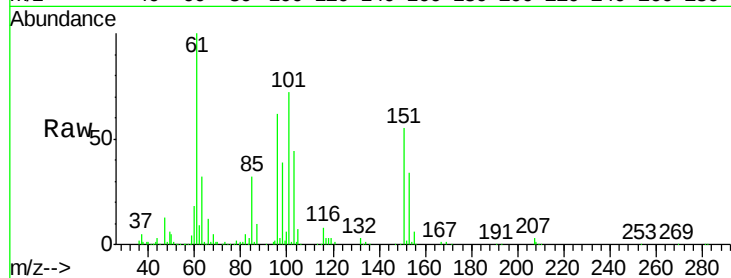
ClientSampleId :

VSTDICCC020

Tot Ion:	101	Resp:	53063
Ion Ratio	Lower	Upper	
101	100		
85	45.3	0.0	90.6
151	78.5	0.0	157.0

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 19.379 ug/l

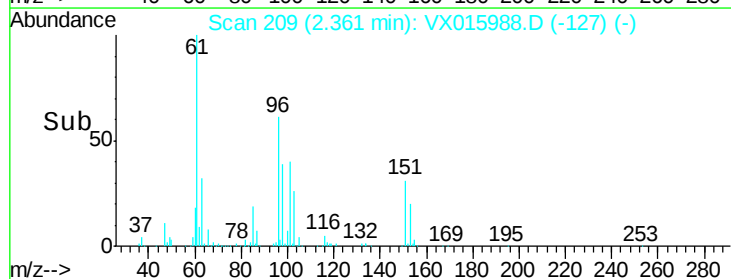
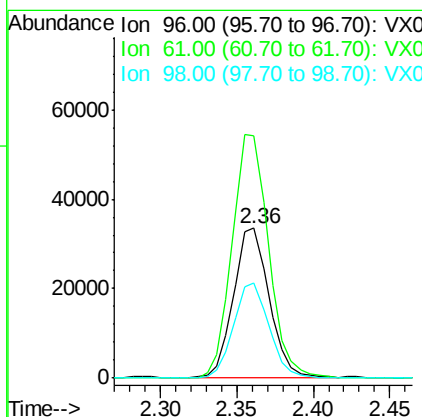
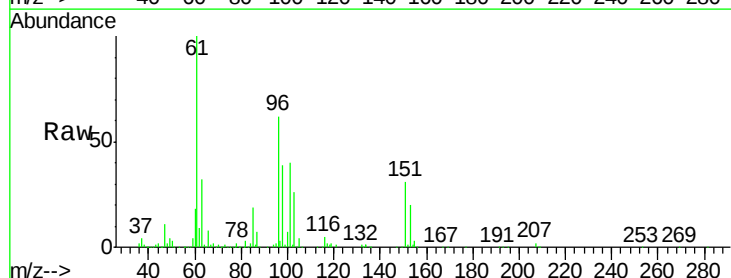
RT: 2.36 min Scan# 209

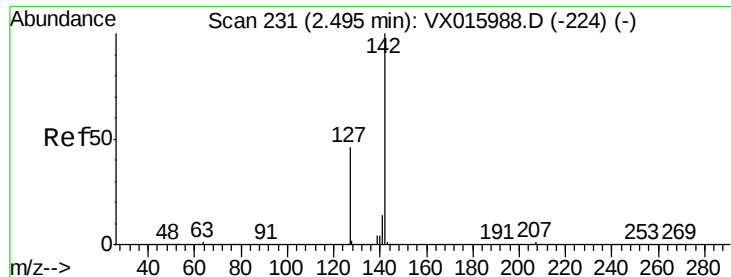
Delta R.T. 0.00 min

Lab File: VX015988.D

Acq: 30 Apr 2020 10:54

Tgt Ion:	96	Resp:	54147
Ion Ratio	Lower	Upper	
96	100		
61	162.3	129.8	194.8
98	63.9	51.1	76.7





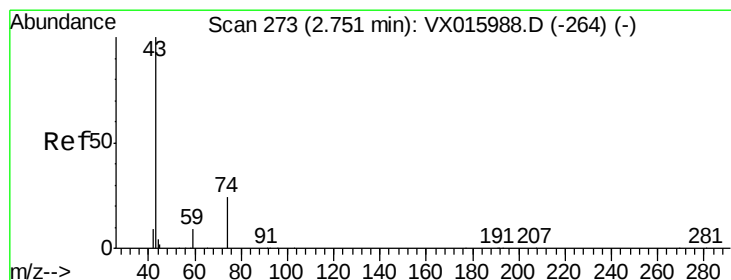
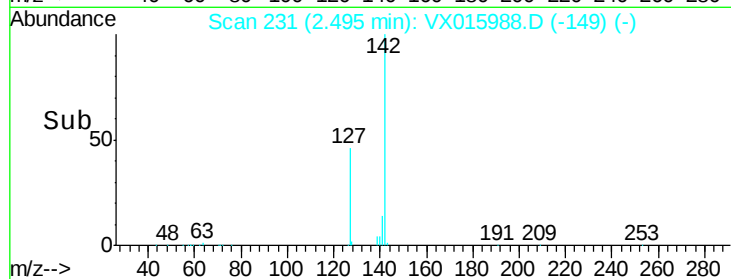
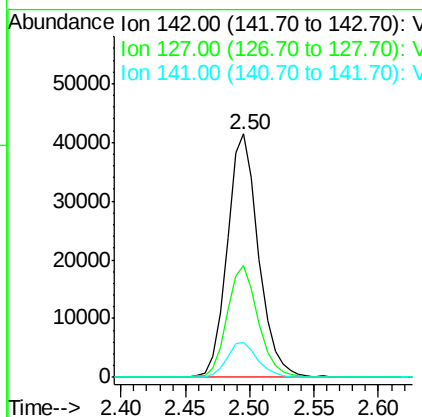
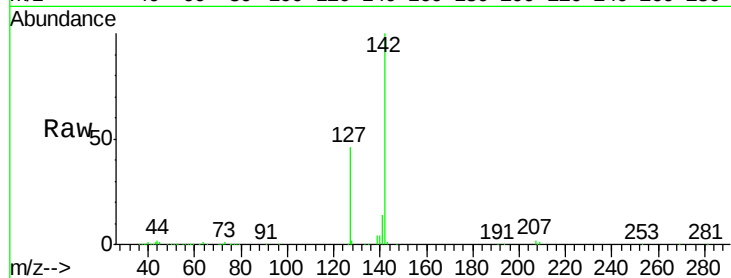
#11
Methyl Iodide
Concen: 18.937 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.00 min
Lab File: VX015988.D
Acq: 30 Apr 2020 10:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	45.6	22.8	68.4
141	14.1	7.0	21.1

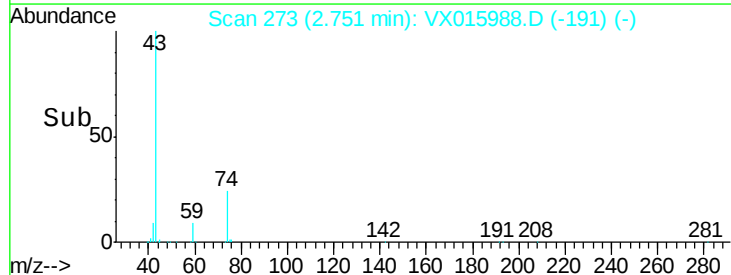
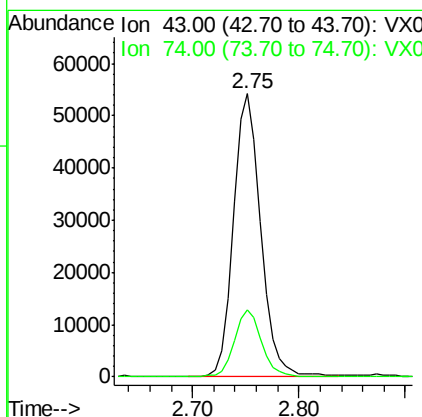
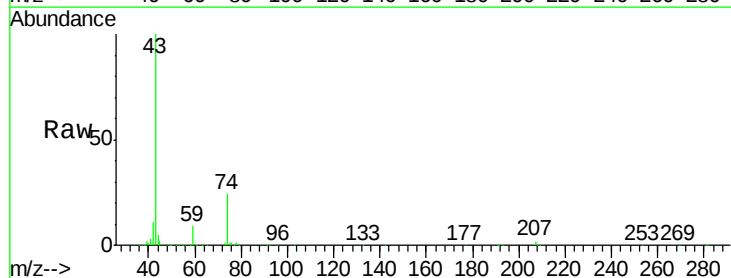
Manual Integrations
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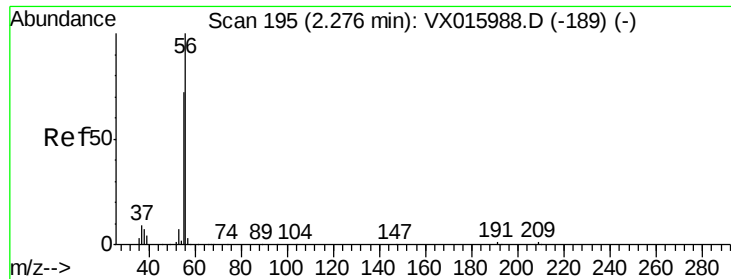
MMDadoda
5/4/2020 3:10:10 PM



#12
Methyl Acetate
Concen: 21.759 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX015988.D
Acq: 30 Apr 2020 10:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.0	28.4





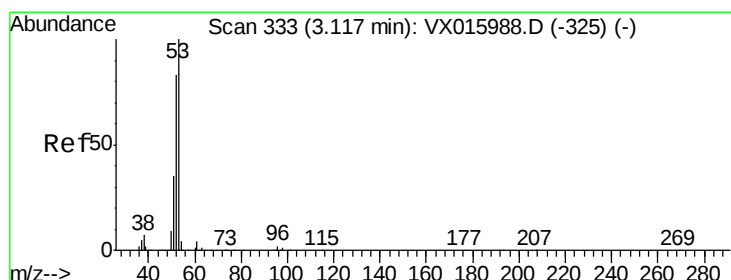
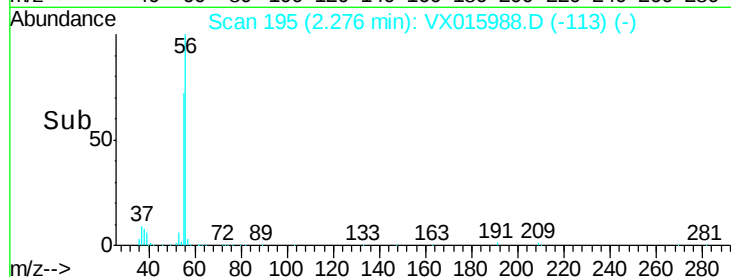
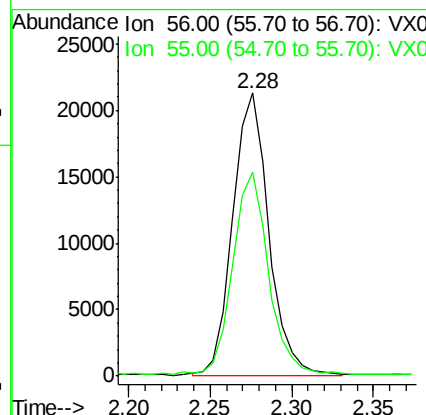
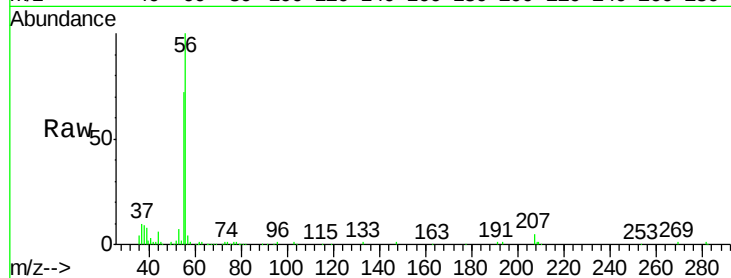
#13
Acrolein
Concen: 69.526 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.00 min
Lab File: VX015988.D
Acq: 30 Apr 2020 10:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.3	56.2	84.4

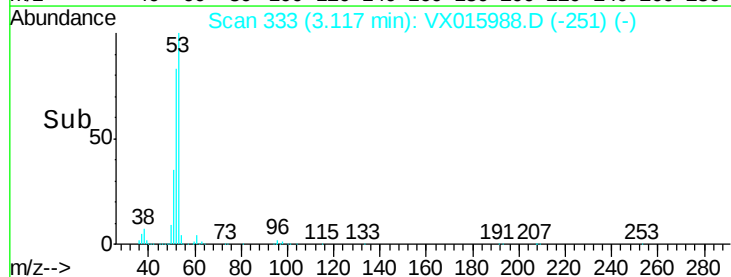
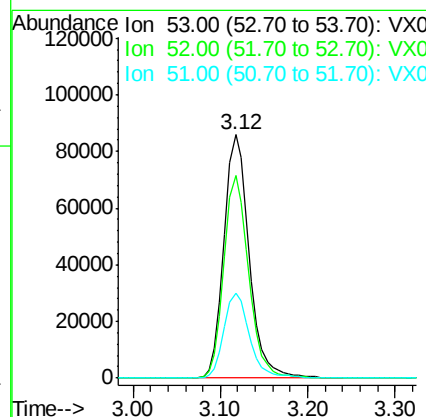
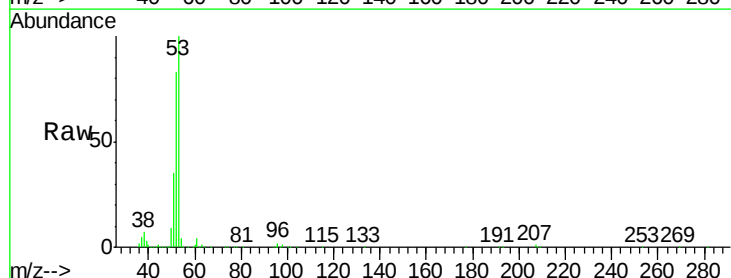
Manual Integrations
APPROVED

MMDadoda
5/4/2020 3:10:10 PM



#14
Acrylonitrile
Concen: 97.536 ug/l
RT: 3.12 min Scan# 333
Delta R.T. 0.00 min
Lab File: VX015988.D
Acq: 30 Apr 2020 10:54

Tgt Ion	Ratio	Lower	Upper
53	100		
52	82.4	41.2	123.6
51	35.7	17.8	53.5





#15

Acetone

Concen: 99.402 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX015988.D

Acq: 30 Apr 2020 10:54

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC020

Tot Ion: 58 Resp: 44906

Ion Ratio Lower Upper

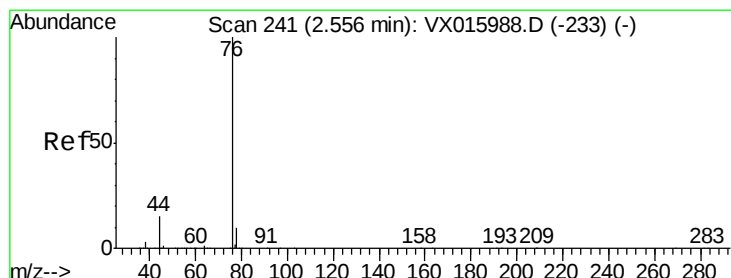
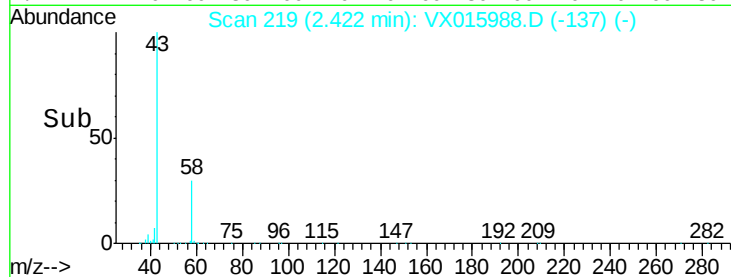
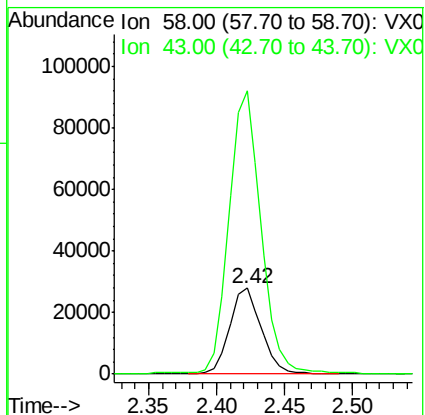
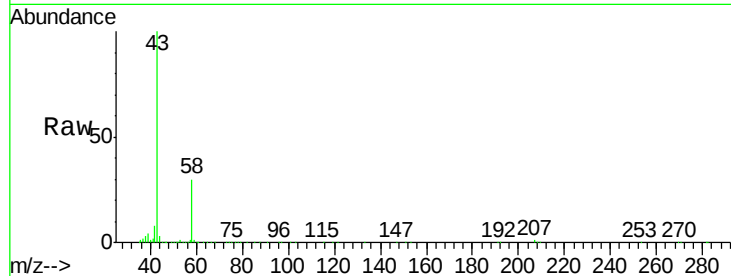
58 100

43 330.2 264.2 396.2

Manual Integrations
APPROVED

MMDadoda

5/4/2020 3:10:10 PM



#16

Carbon Disulfide

Concen: 19.548 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.00 min

Lab File: VX015988.D

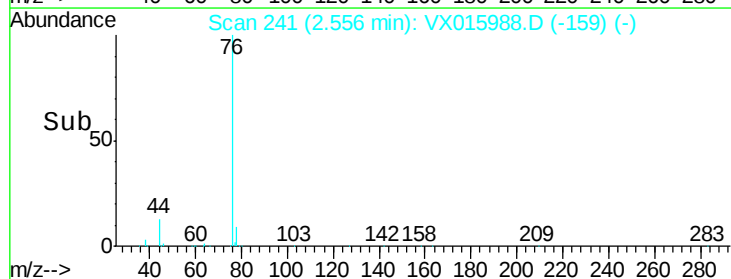
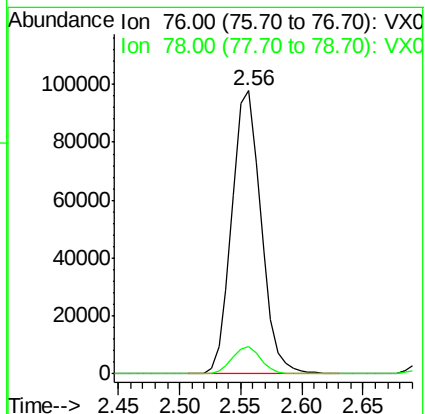
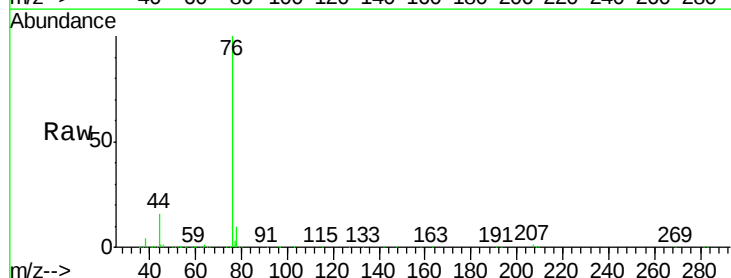
Acq: 30 Apr 2020 10:54

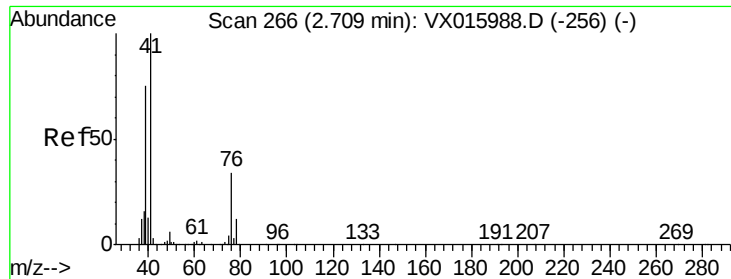
Tgt Ion: 76 Resp: 161988

Ion Ratio Lower Upper

76 100

78 9.6 7.7 11.5





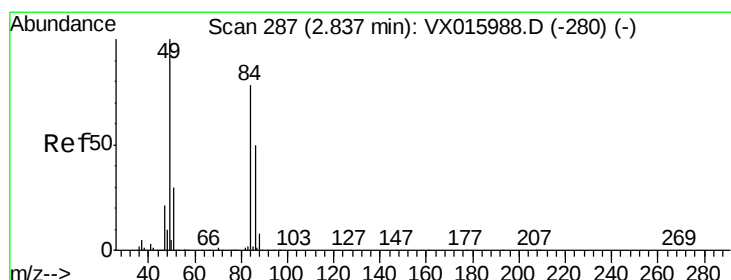
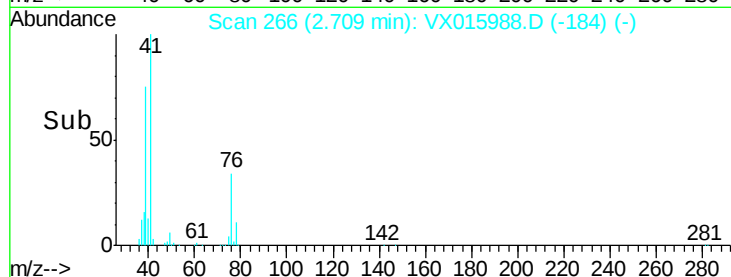
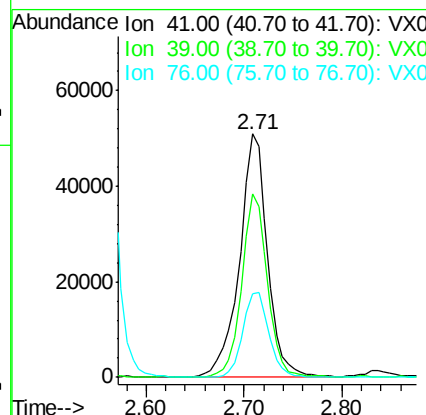
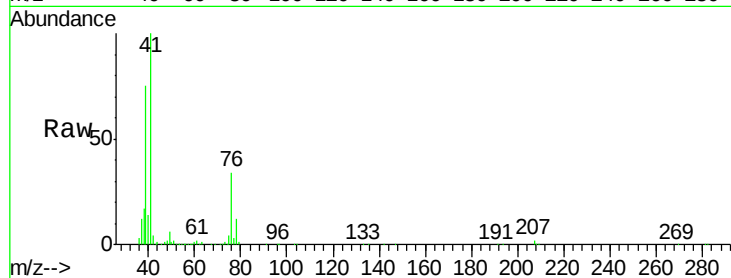
#17
Allvl chloride
Concen: 17.044 ug/l
RT: 2.71 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX015988.D
Acq: 30 Apr 2020 10:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	75.2	37.6	112.8
76	34.3	17.2	51.5

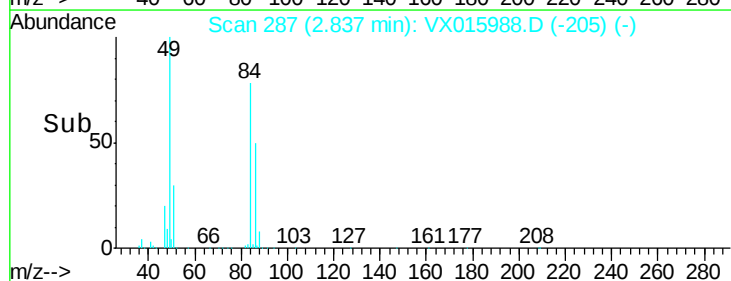
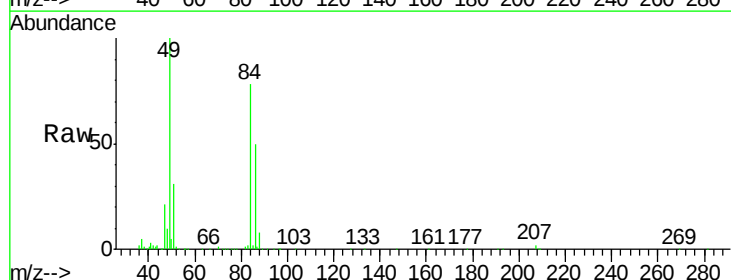
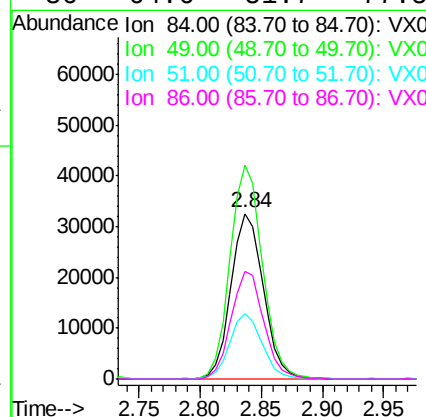
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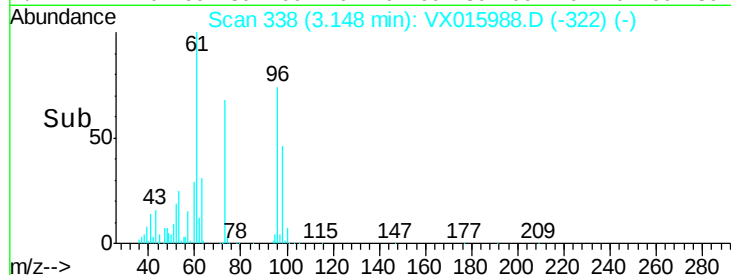
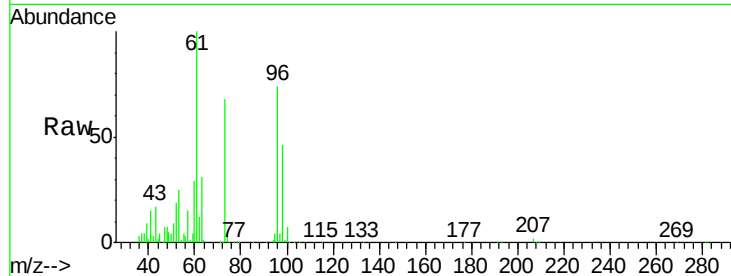
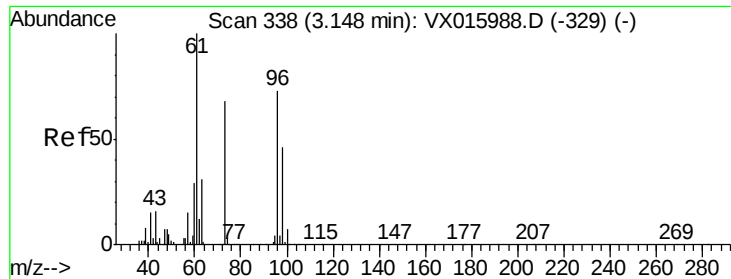
MMDadoda
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#18
Methylene Chloride
Concen: 19.122 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX015988.D
Acq: 30 Apr 2020 10:54

Tgt Ion	Ratio	Lower	Upper
84	100		
49	128.7	103.0	154.4
51	39.2	31.4	47.0
86	64.6	51.7	77.5





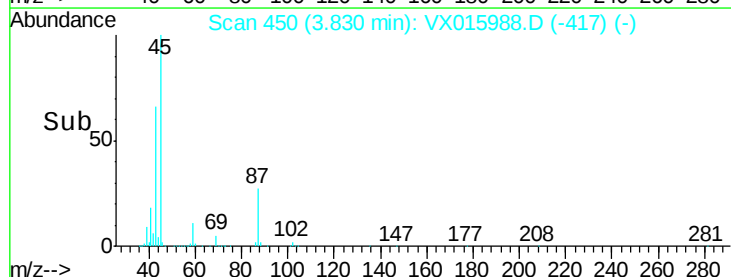
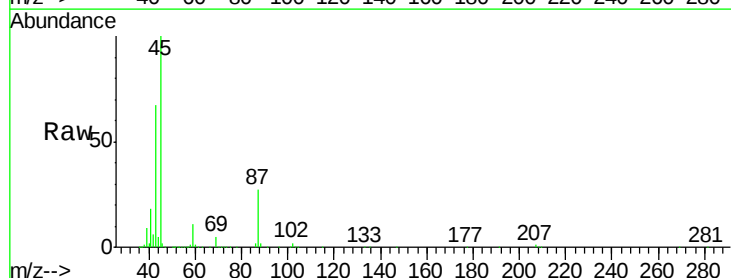
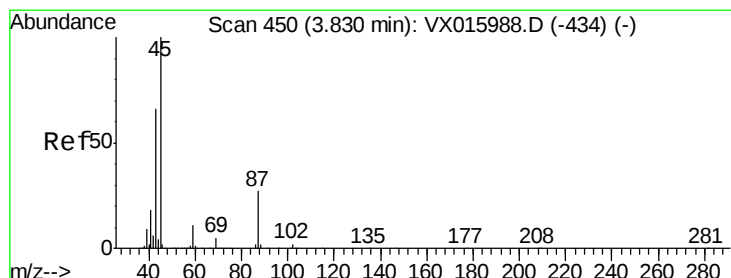
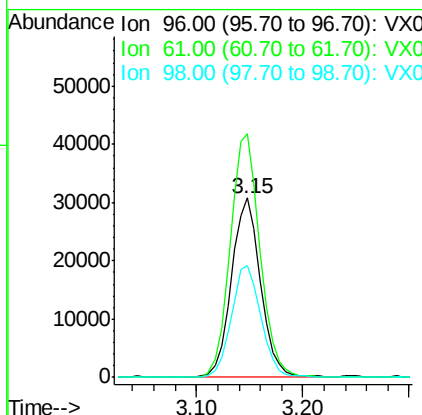
#19
trans-1,2-Dichloroethene
Concen: 19.233 ug/l
RT: 3.15 min Scan# 338
Delta R.T. 0.00 min
Lab File: VX015988.D
Acq: 30 Apr 2020 10:54

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.2	109.0	163.4
98	62.5	50.0	75.0

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC020

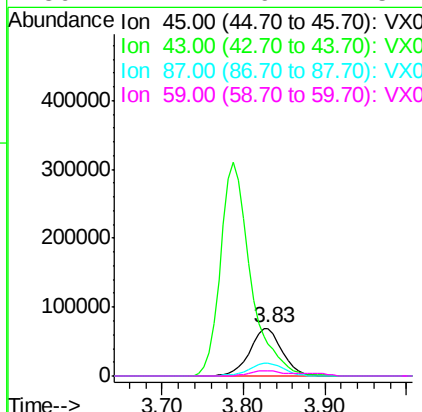
Manual Integrations
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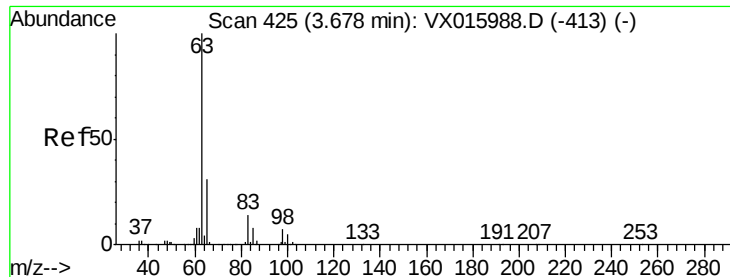
MMDadoda
5/4/2020 3:10:10 PM



#20
Diisopropyl ether
Concen: 17.797 ug/l
RT: 3.83 min Scan# 450
Delta R.T. 0.00 min
Lab File: VX015988.D
Acq: 30 Apr 2020 10:54

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.2	53.0	79.4
87	27.4	21.9	32.9
59	11.4	9.1	13.7





#21

1,1-Dichloroethane

Concen: 18.868 ug/l

RT: 3.68 min Scan# 425

Delta R.T. 0.00 min

Lab File: VX015988.D

Acq: 30 Apr 2020 10:54

Instrument :

MSVOA_X

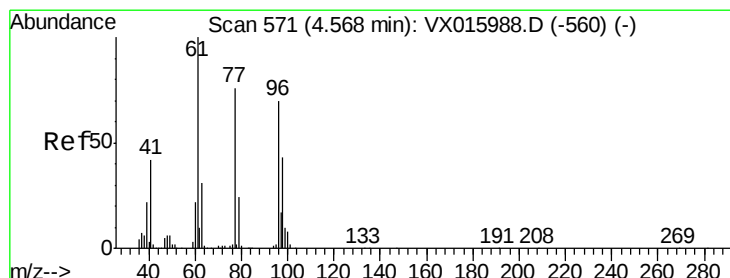
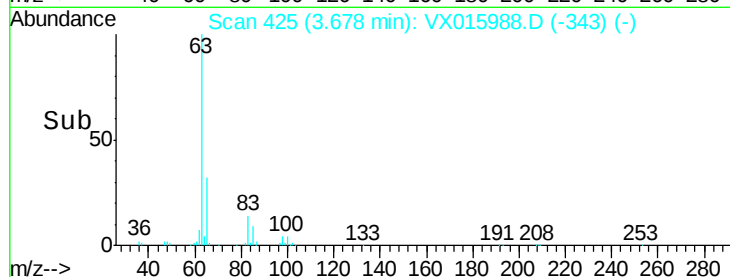
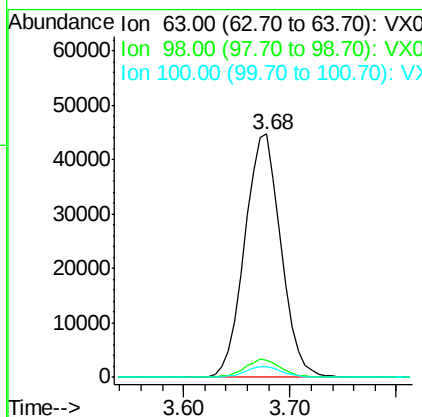
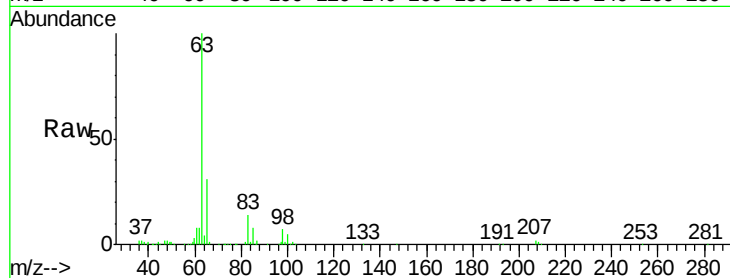
ClientSampleId :

VSTDICCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
63	100		107161		
98	6.9		3.5	10.4	
100	4.6		2.3	6.9	

Manual Integrations
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5/4/2020 3:10:10 PM



#22

cis-1,2-Dichloroethene

Concen: 18.814 ug/l

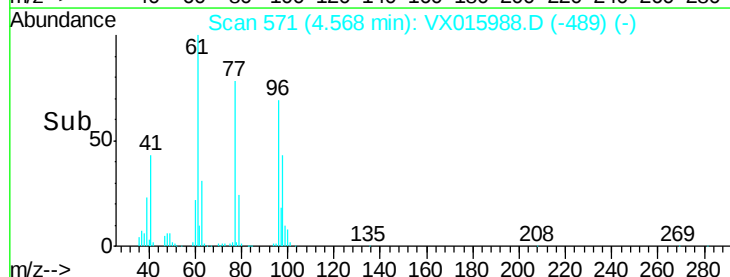
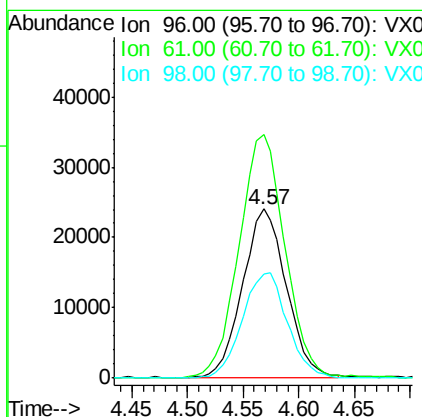
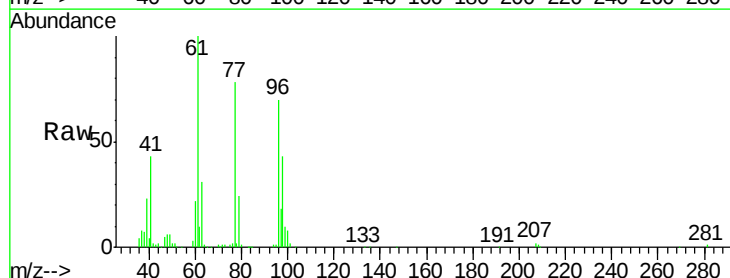
RT: 4.57 min Scan# 571

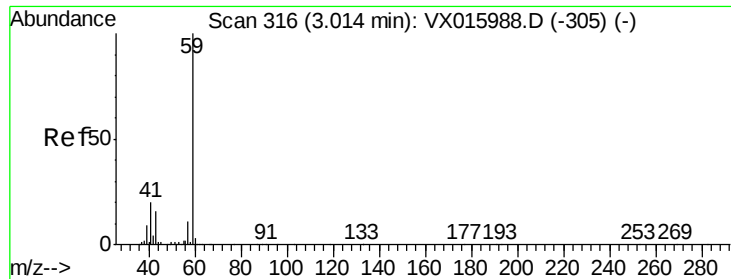
Delta R.T. 0.00 min

Lab File: VX015988.D

Acq: 30 Apr 2020 10:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	100		65129		
61	152.0		121.6	182.4	
98	64.9		51.9	77.9	





#23

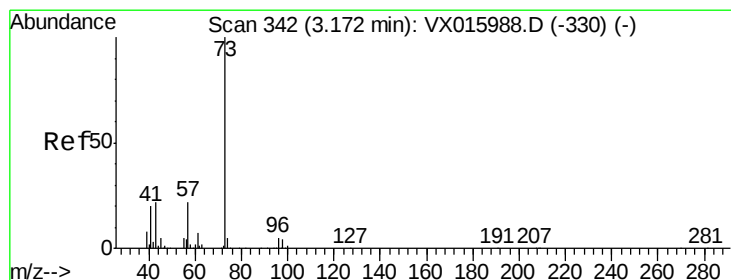
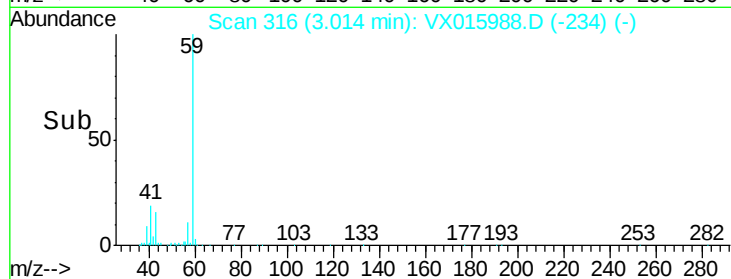
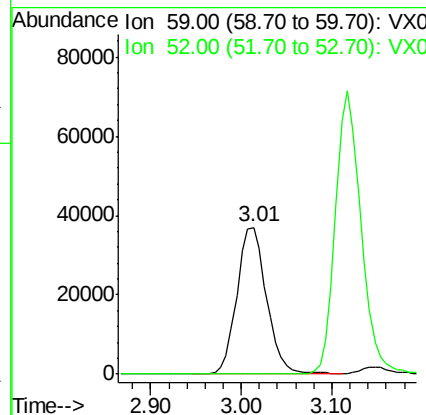
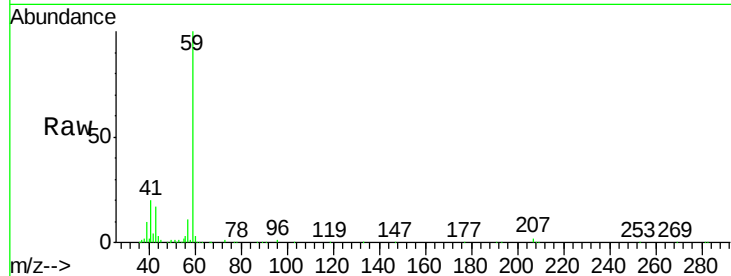
tert-Butyl Alcohol
 Concen: 97.855 ug/l
 RT: 3.01 min Scan# 316
 Delta R.T. 0.00 min
 Lab File: VX015988.D
 Acq: 30 Apr 2020 10:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	59	52
Resp	84217	
Ratio	100	0.1
Lower		0.1
Upper		0.1#

Manual Integrations
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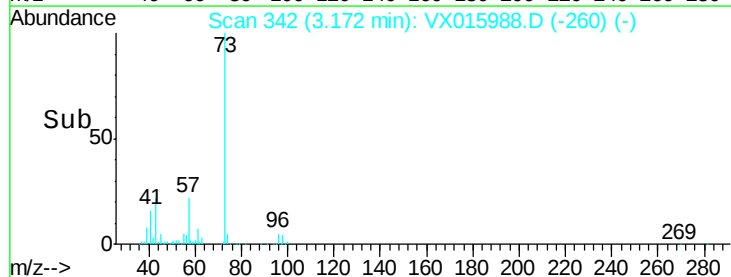
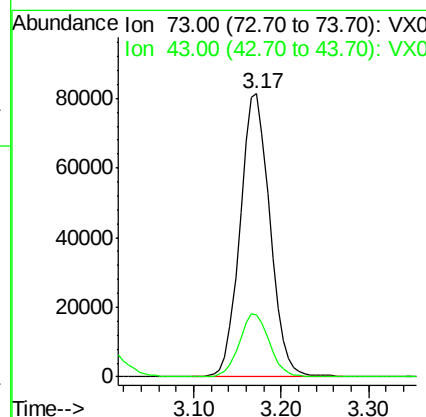
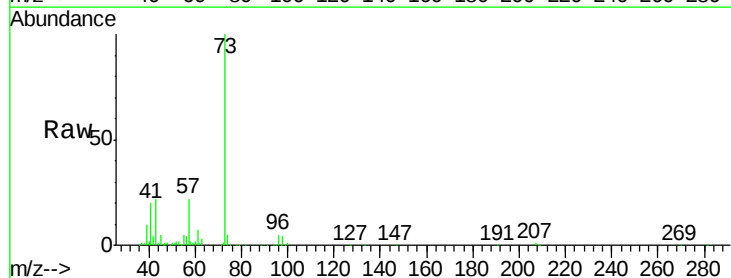
MMDadoda
 5/4/2020 3:10:10 PM

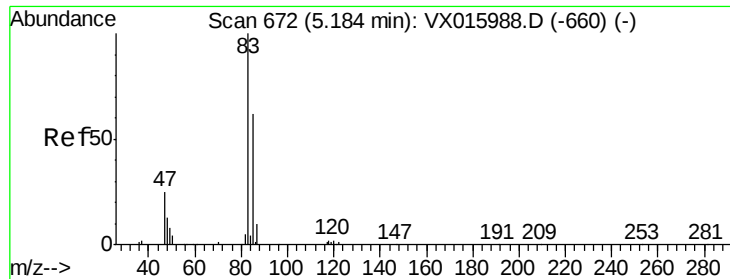


#24

Methyl tert-Butyl Ether
 Concen: 18.817 ug/l
 RT: 3.17 min Scan# 342
 Delta R.T. 0.00 min
 Lab File: VX015988.D
 Acq: 30 Apr 2020 10:54

Tgt Ion	73	43
Resp	191674	
Ratio	100	22.2
Lower		17.8
Upper		26.6





#25

Chloroform

Concen: 19.041 ug/l

RT: 5.18 min Scan# 672

Delta R.T. 0.00 min

Lab File: VX015988.D

Acq: 30 Apr 2020 10:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 83 Resp: 108175

Ion Ratio Lower Upper

83 100

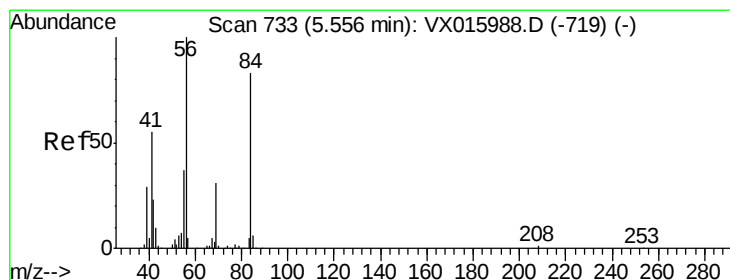
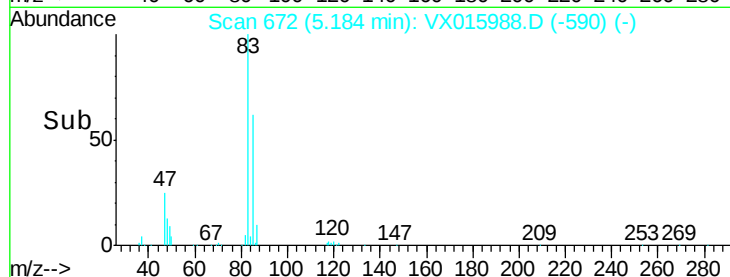
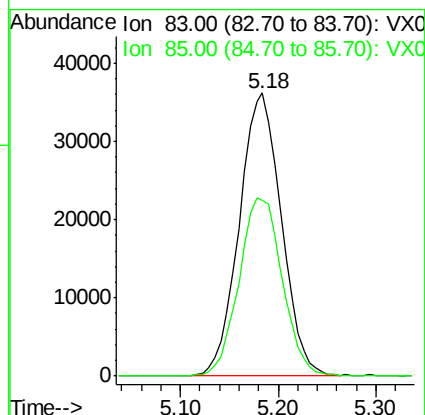
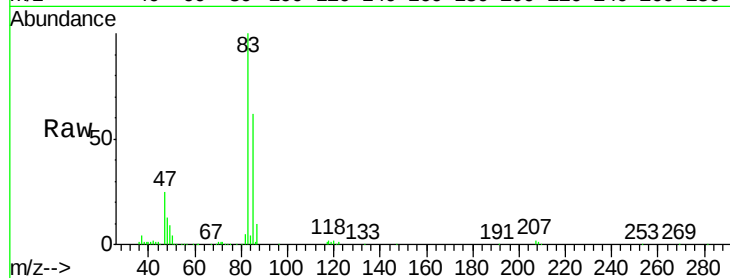
85 62.0 49.6 74.4

Manual Integrations

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MMDadoda

5/4/2020 3:10:10 PM



#26

Cyclohexane

Concen: 18.167 ug/l

RT: 5.56 min Scan# 733

Delta R.T. 0.00 min

Lab File: VX015988.D

Acq: 30 Apr 2020 10:54

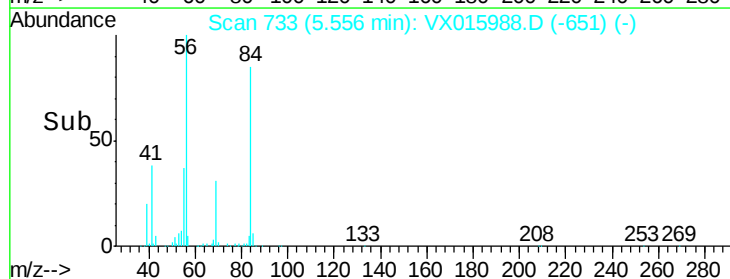
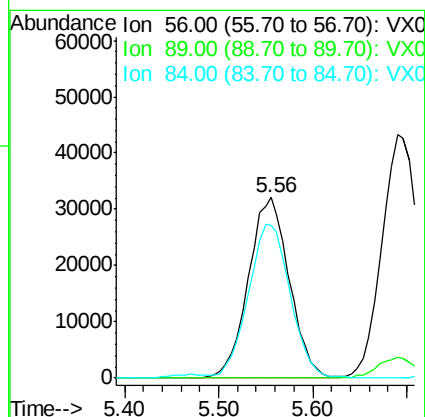
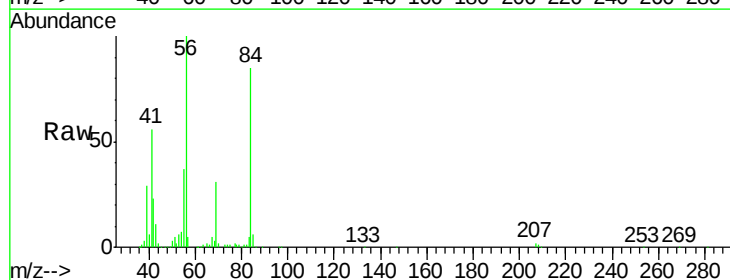
Tgt Ion: 56 Resp: 97627

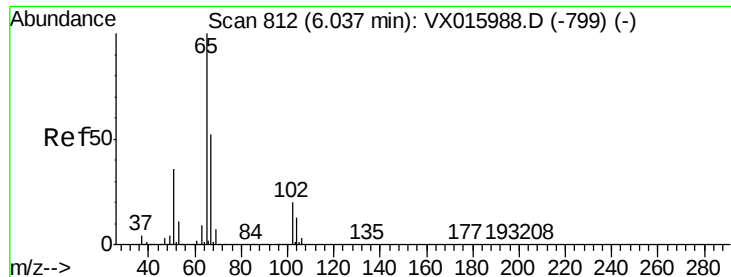
Ion Ratio Lower Upper

56 100

89 0.1 0.1 0.1

84 87.6 70.1 105.1





#27

1,2-Dichloroethane-d4

Concen: 30.386 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.00 min

Lab File: VX015988.D

Acq: 30 Apr 2020 10:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 65 Resp: 119054

Ion Ratio Lower Upper

65 100

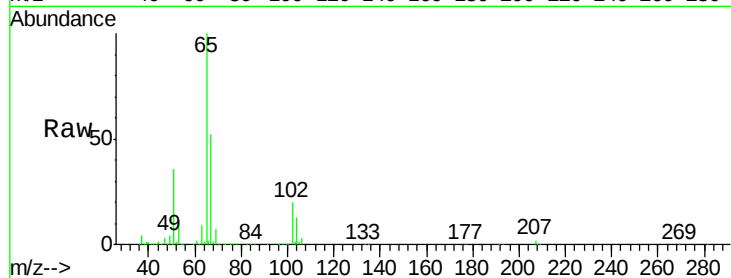
67 51.2 41.0 61.4

Manual Integrations

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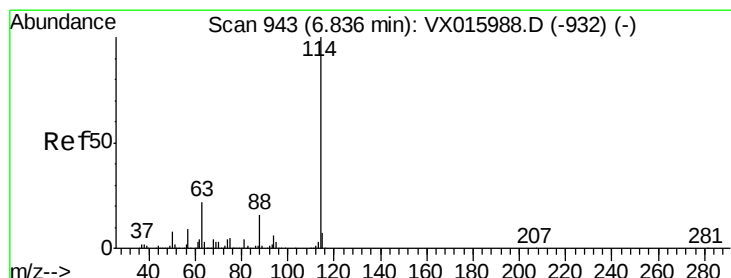
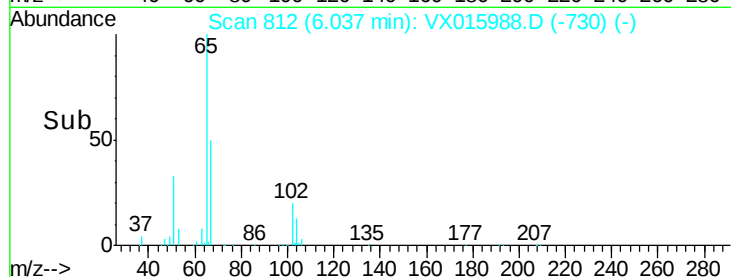
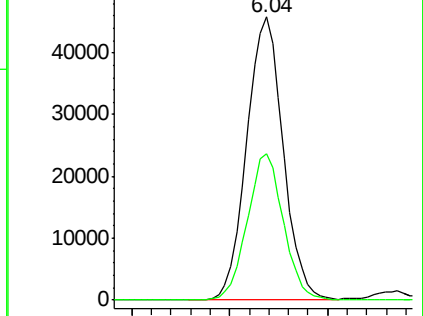
MMDadoda

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Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.00 min

Lab File: VX015988.D

Acq: 30 Apr 2020 10:54

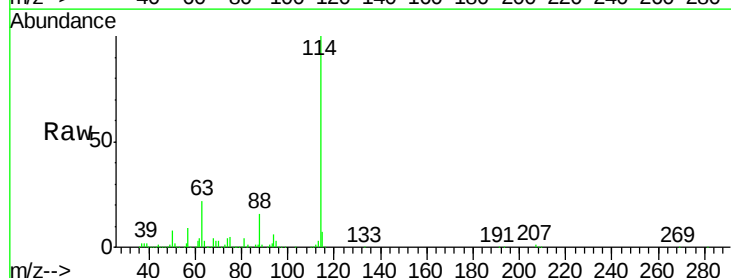
Tgt Ion: 114 Resp: 280577

Ion Ratio Lower Upper

114 100

63 21.4 17.1 25.7

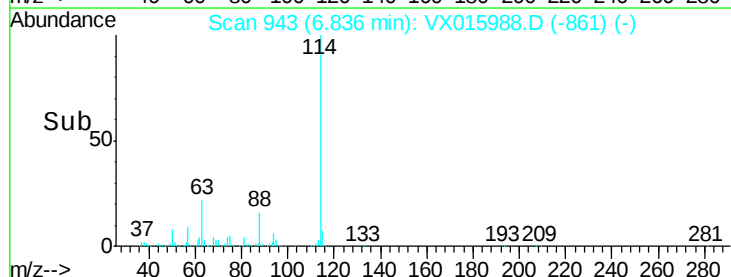
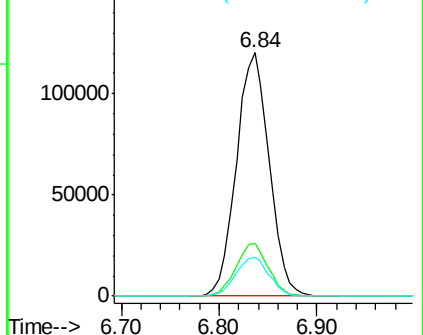
88 16.2 13.0 19.4

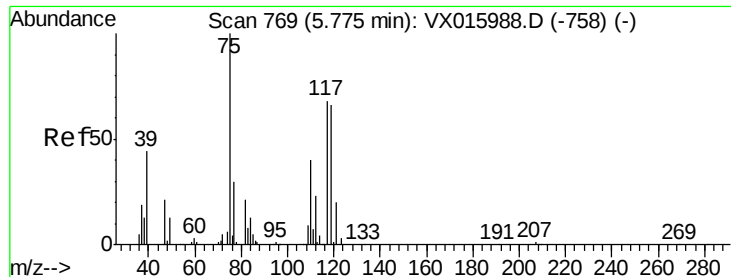


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#29

1,1-Dichloropropene

Concen: 18.938 ug/l

RT: 5.78 min Scan# 769

Delta R.T. 0.00 min

Lab File: VX015988.D

Acq: 30 Apr 2020 10:54

Instrument :

MSVOA_X

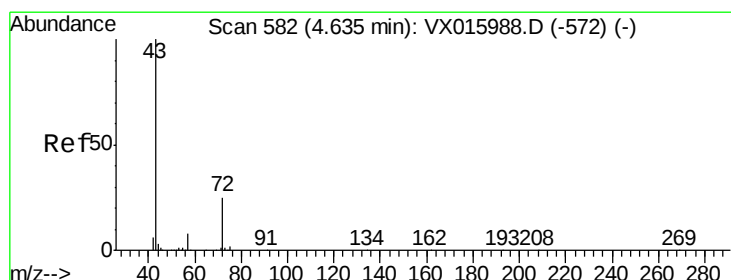
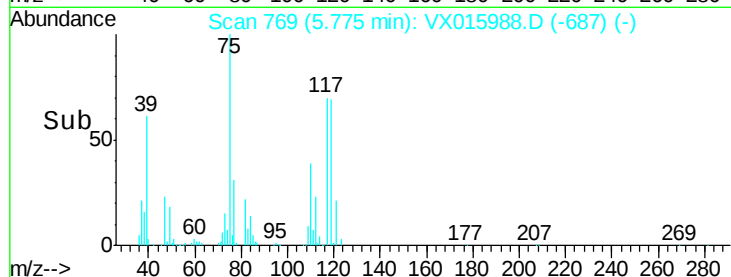
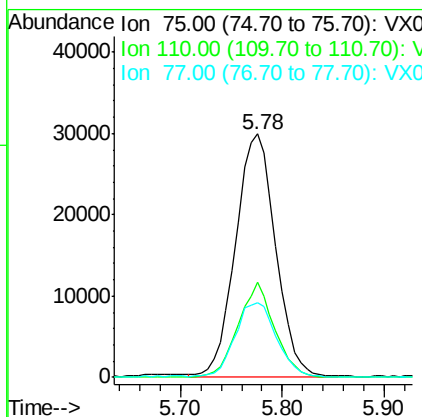
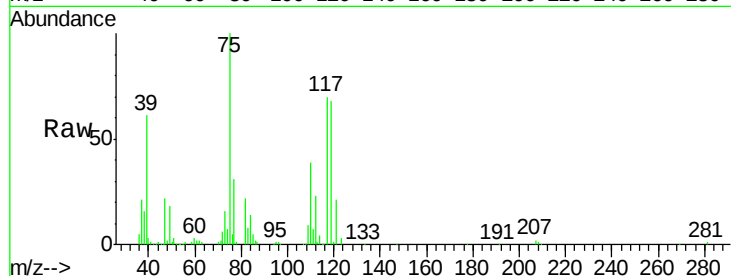
ClientSampleId :

VSTDICCC020

Tot Ion:	75	Resp:	81028
Ion	Ratio	Lower	Upper
75	100		
110	35.5	0.0	71.0
77	32.1	0.0	64.2

Manual Integrations
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#30

2-Butanone

Concen: 95.683 ug/l

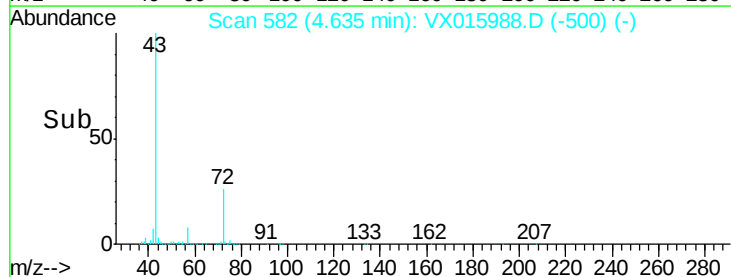
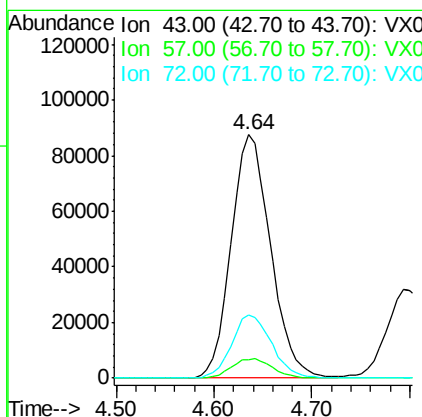
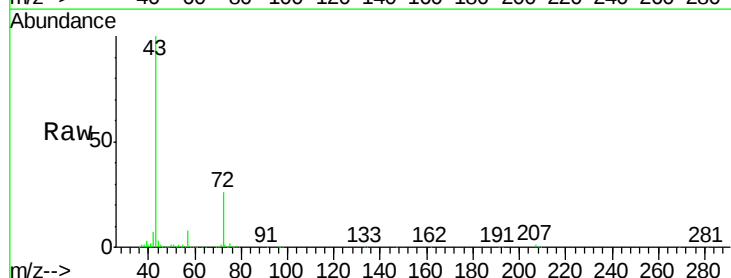
RT: 4.64 min Scan# 582

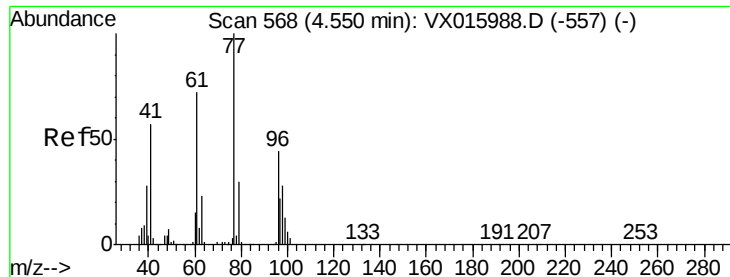
Delta R.T. 0.00 min

Lab File: VX015988.D

Acq: 30 Apr 2020 10:54

Tgt Ion:	43	Resp:	243853
Ion	Ratio	Lower	Upper
43	100		
57	7.9	6.3	9.5
72	26.0	20.8	31.2





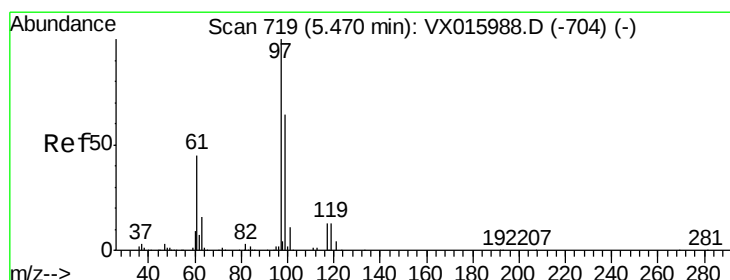
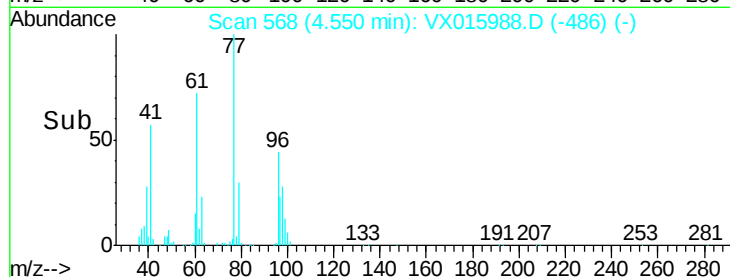
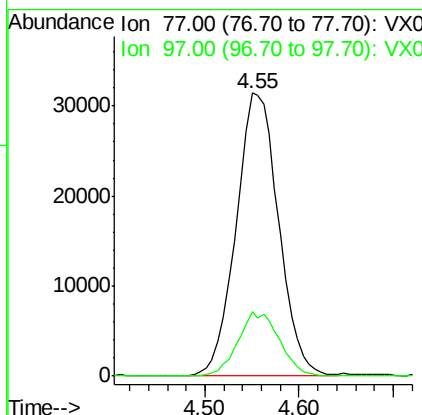
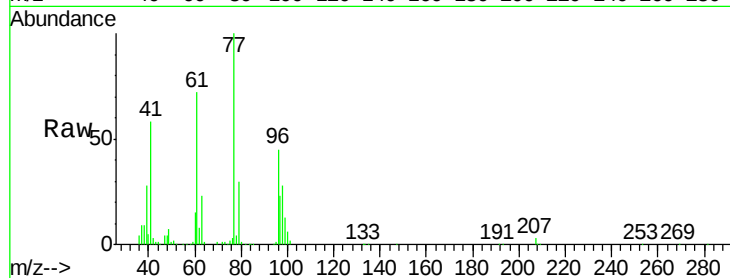
#31
 2,2-Dichloropropane
 Concen: 19.299 ug/l
 RT: 4.55 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VX015988.D
 Acq: 30 Apr 2020 10:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
77	100		
97	22.3	17.8	26.8

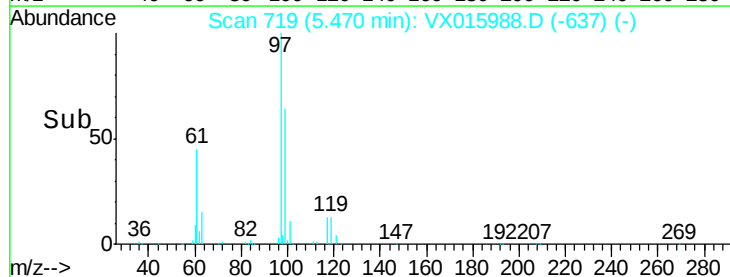
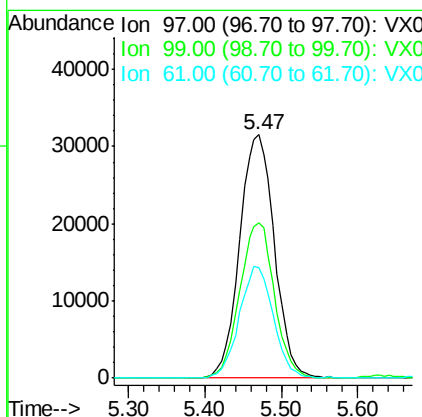
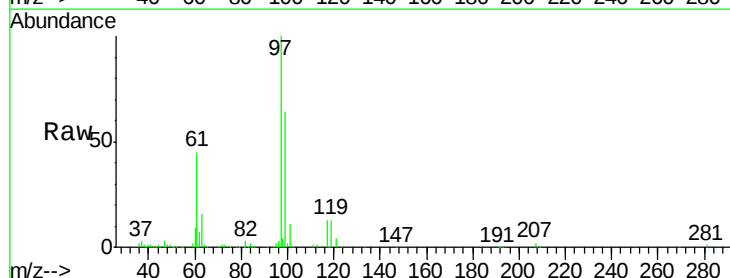
Manual Integrations
 APPROVED

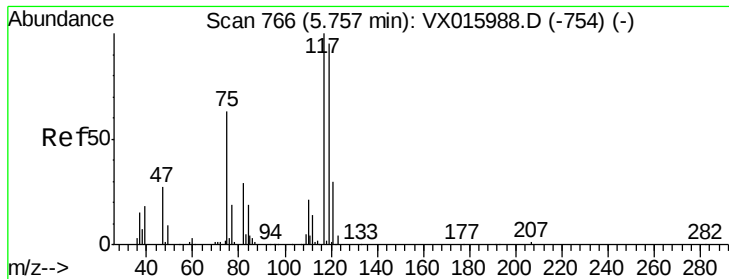
MMDadoda
 5/4/2020 3:10:10 PM



#32
 1,1,1-Trichloroethane
 Concen: 19.173 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.00 min
 Lab File: VX015988.D
 Acq: 30 Apr 2020 10:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	50.7	76.1
61	44.9	35.9	53.9





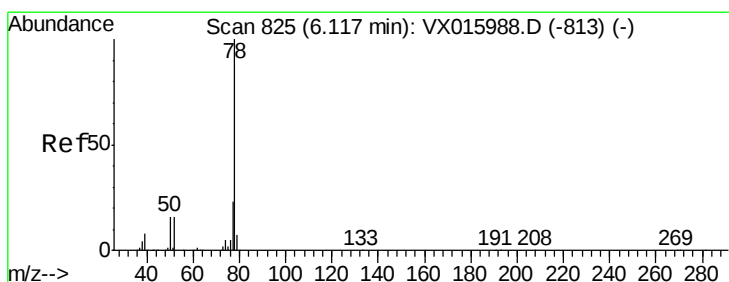
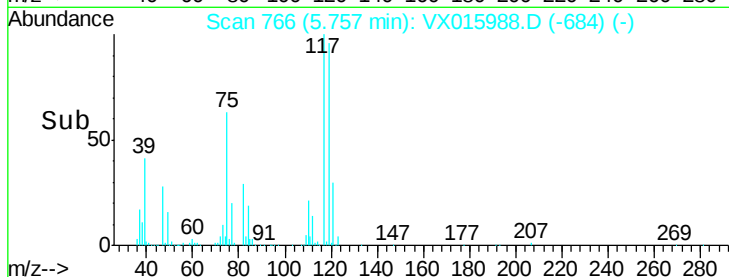
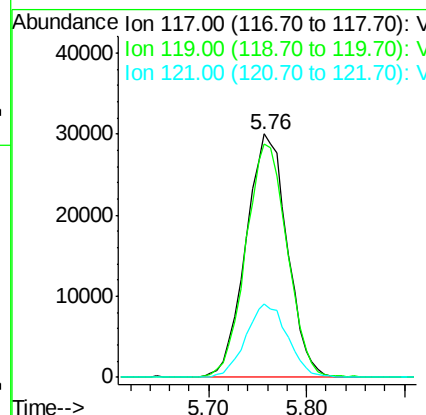
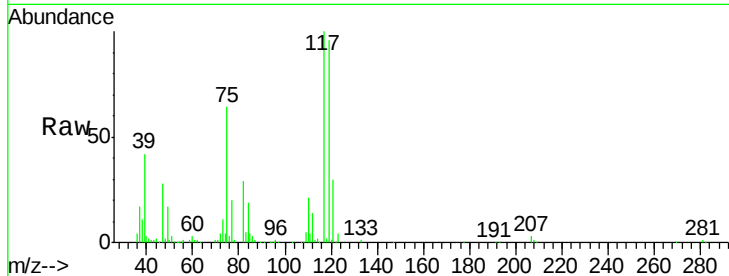
#33
Carbon Tetrachloride
Concen: 18.691 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX015988.D
Acq: 30 Apr 2020 10:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.3	114.5
121	30.3	24.2	36.4

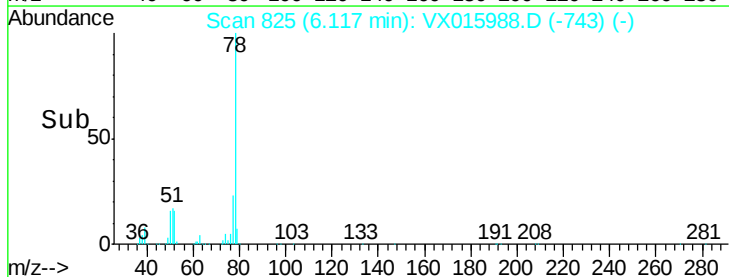
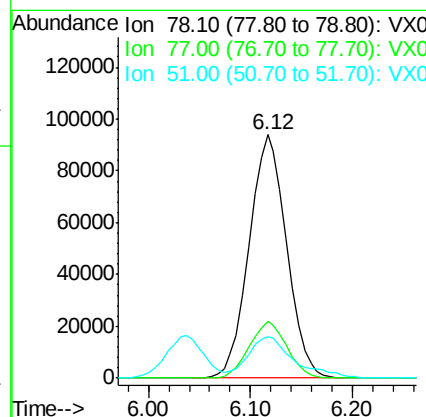
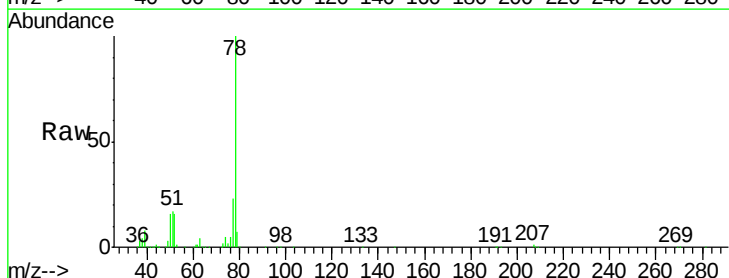
Manual Integrations
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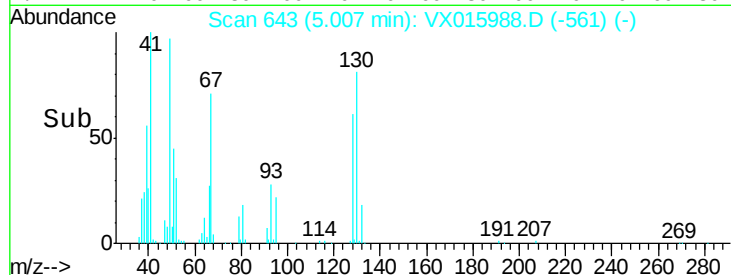
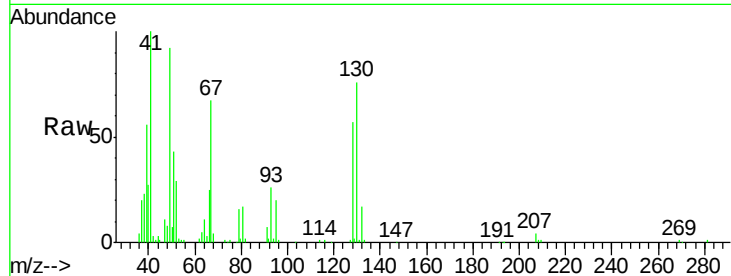
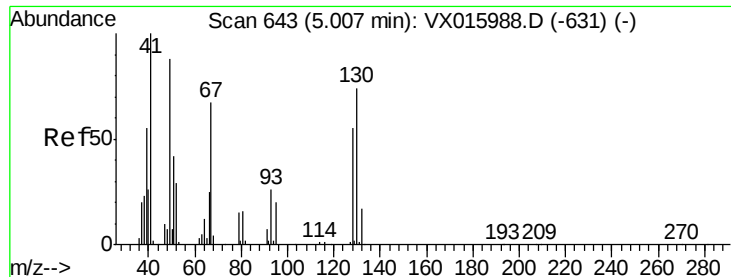
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5/4/2020 3:10:10 PM



#34
Benzene
Concen: 19.304 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX015988.D
Acq: 30 Apr 2020 10:54

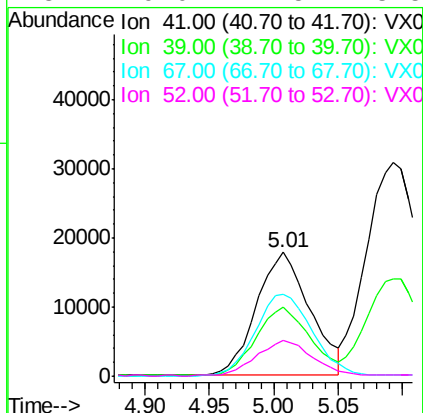
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.7	28.1
51	15.9	12.7	19.1





#35
Methacrylonitrile
Concen: 18.220 ug/l
RT: 5.01 min Scan# 643
Delta R.T. 0.00 min
Lab File: VX015988.D
Acq: 30 Apr 2020 10:54

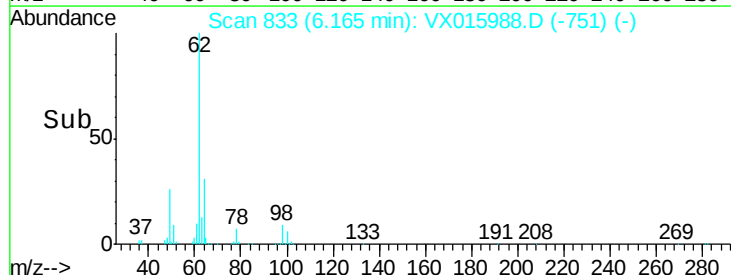
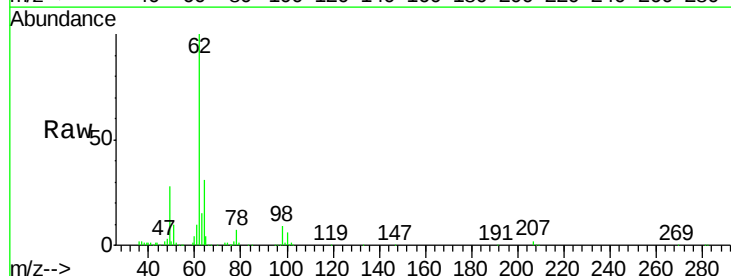
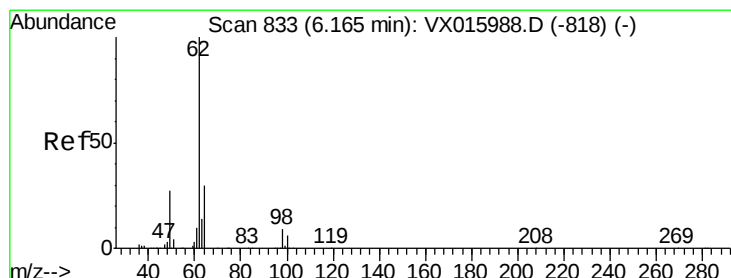
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.9	27.5	82.4	
67	67.1	33.6	100.6	
52	29.0	14.5	43.5	



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

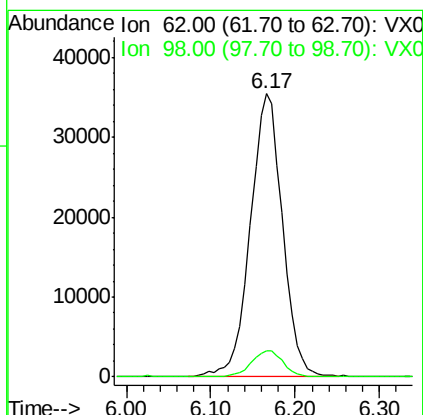
Manual Integrations
APPROVED

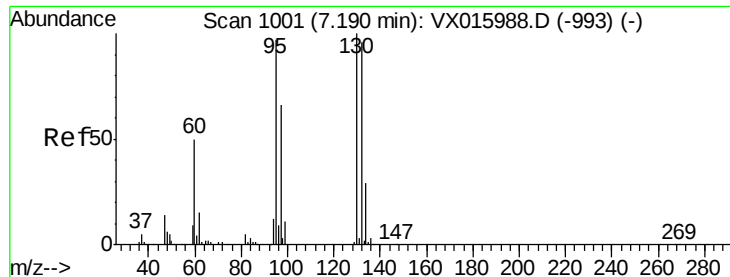
MMDadoda
5/4/2020 3:10:10 PM



#36
1,2-Dichloroethane
Concen: 19.418 ug/l
RT: 6.17 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX015988.D
Acq: 30 Apr 2020 10:54

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	7.4	11.2	





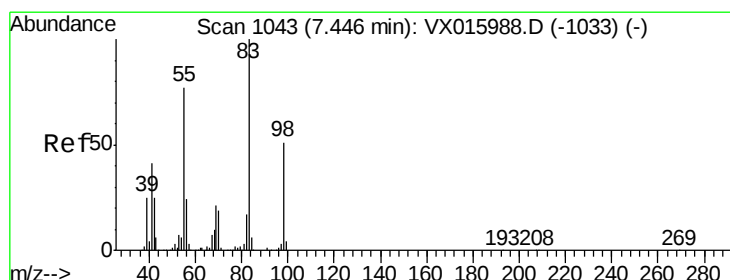
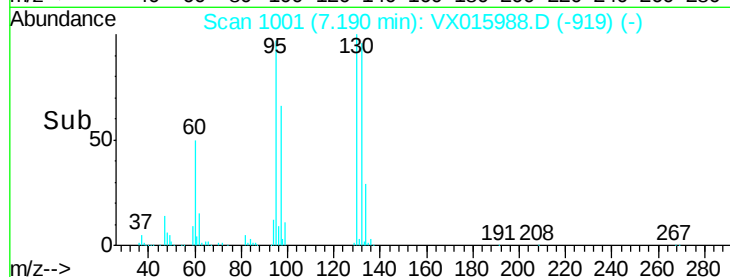
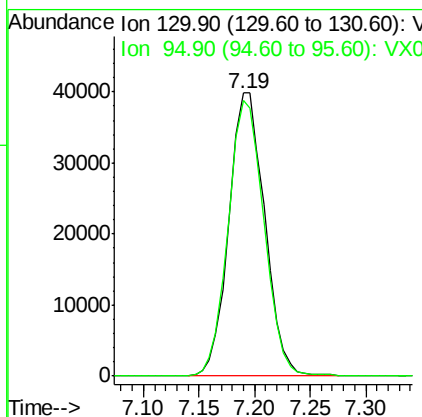
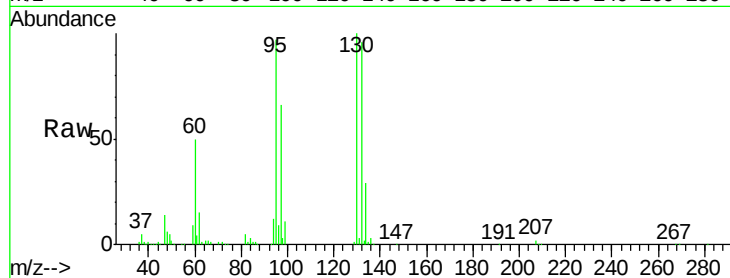
#37
 Trichloroethene
 Concen: 22.830 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VX015988.D
 Acq: 30 Apr 2020 10:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion:130 Resp: 89119
 Ion Ratio Lower Upper
 130 100
 95 97.3 77.8 116.8

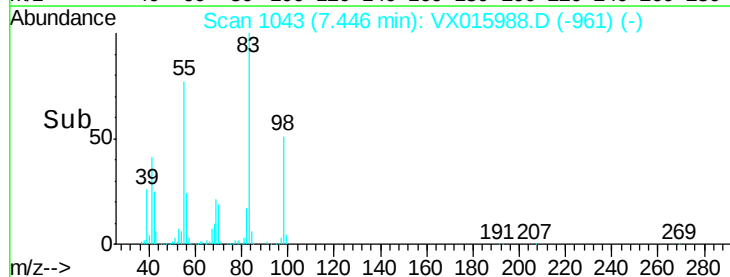
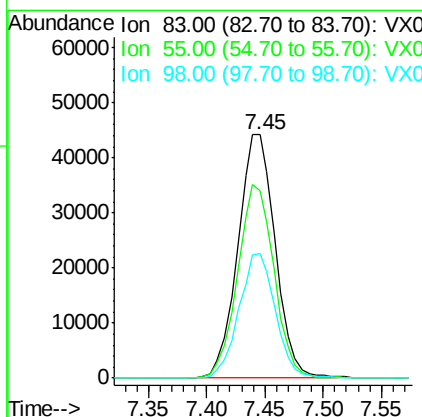
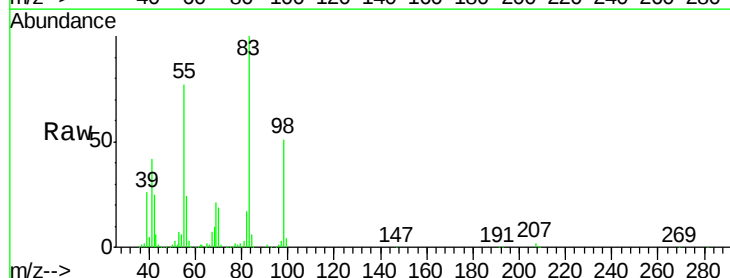
Manual Integrations
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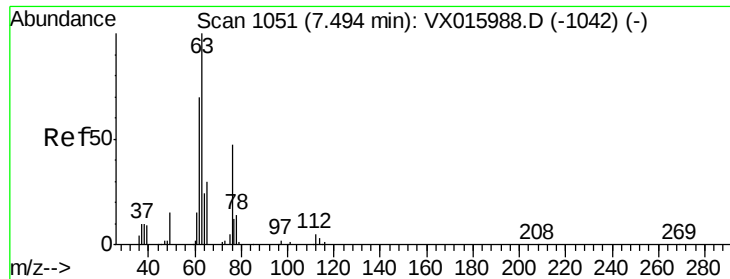
MMDadoda
 5/4/2020 3:10:10 PM



#38
 Methylcyclohexane
 Concen: 18.884 ug/l
 RT: 7.45 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX015988.D
 Acq: 30 Apr 2020 10:54

Tgt Ion: 83 Resp: 98625
 Ion Ratio Lower Upper
 83 100
 55 77.6 38.8 116.4
 98 50.2 25.1 75.3





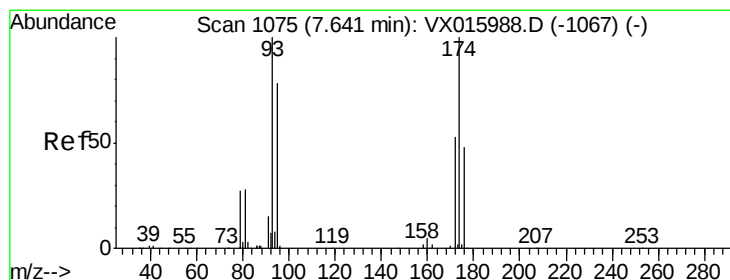
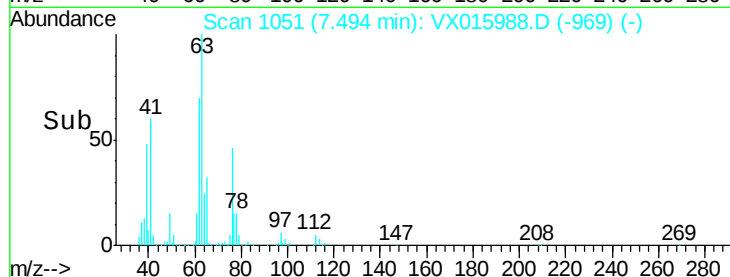
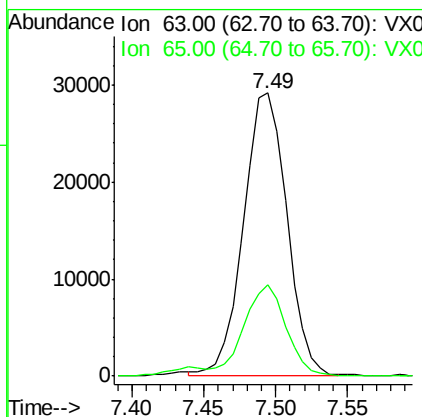
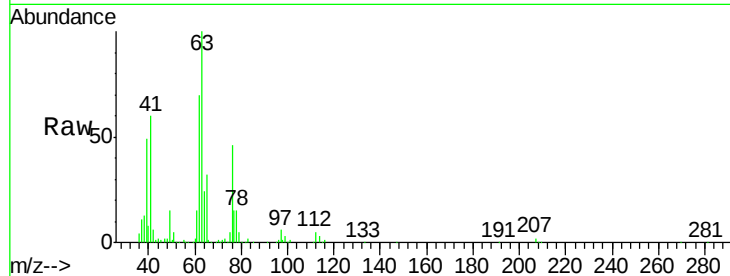
#39
 1,2-Dichloropropane
 Concen: 18.696 ug/l
 RT: 7.49 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VX015988.D
 Acq: 30 Apr 2020 10:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.9	38.9

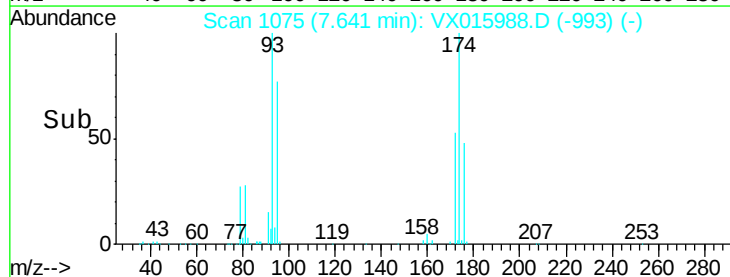
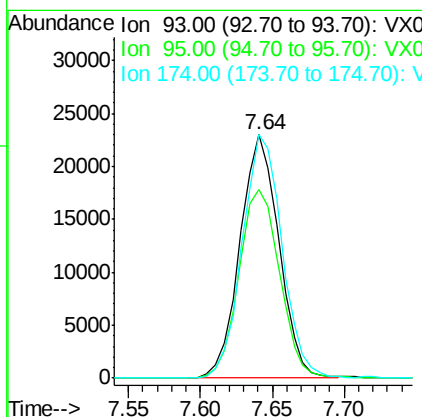
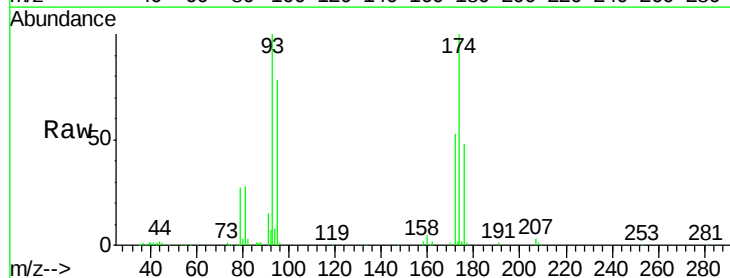
Manual Integrations
 APPROVED

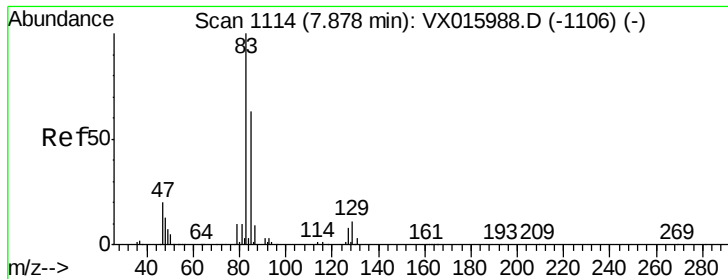
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#40
 Dibromomethane
 Concen: 19.420 ug/l
 RT: 7.64 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VX015988.D
 Acq: 30 Apr 2020 10:54

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.4	0.0	162.8
174	102.0	0.0	204.0





#41

Bromodichloromethane

Concen: 18.201 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VX015988.D

Acq: 30 Apr 2020 10:54

Instrument :

MSVOA_X

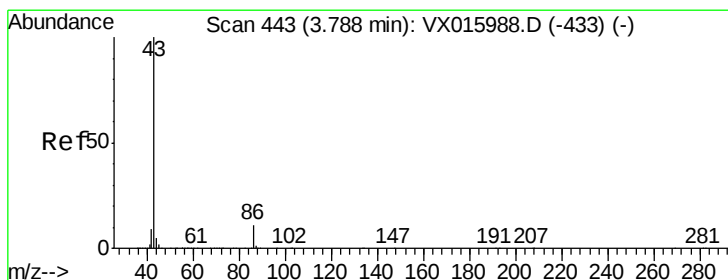
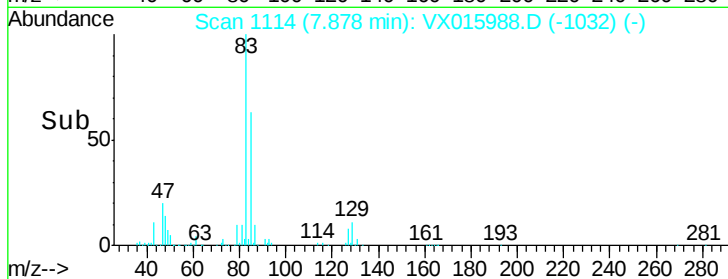
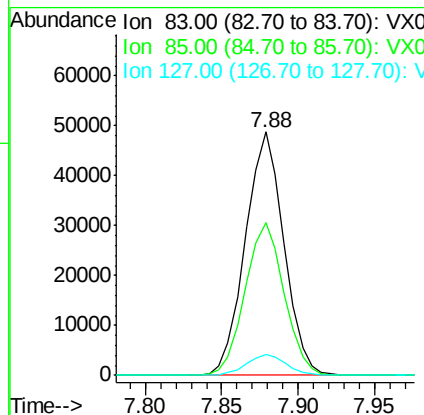
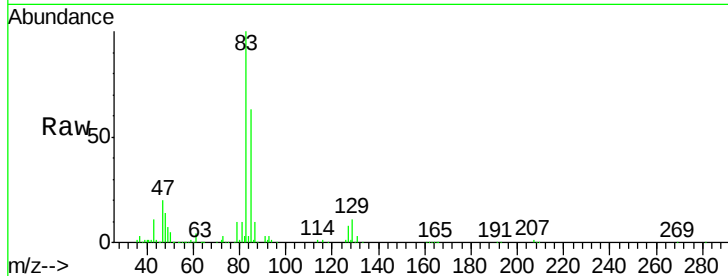
ClientSampleId :

VSTDICCC020

Tot Ion:	83	Resp:	85419
Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.4	75.6
127	8.4	6.7	10.1

Manual Integrations
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5/4/2020 3:10:10 PM



#42

Vinyl Acetate

Concen: 87.903 ug/l

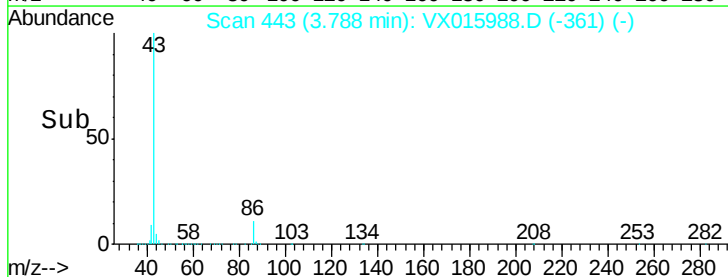
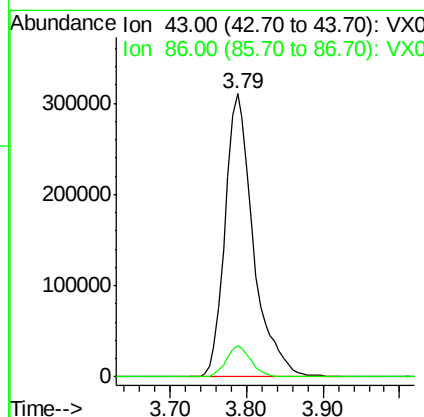
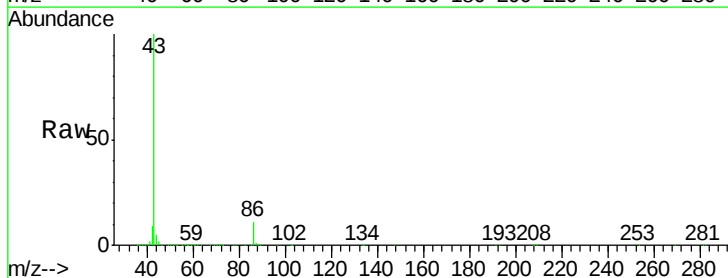
RT: 3.79 min Scan# 443

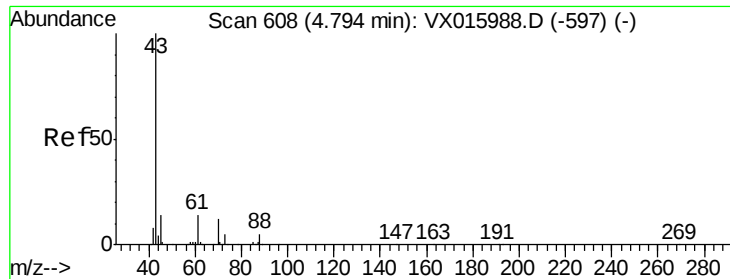
Delta R.T. 0.00 min

Lab File: VX015988.D

Acq: 30 Apr 2020 10:54

Tgt Ion:	43	Resp:	793560
Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.7	11.5





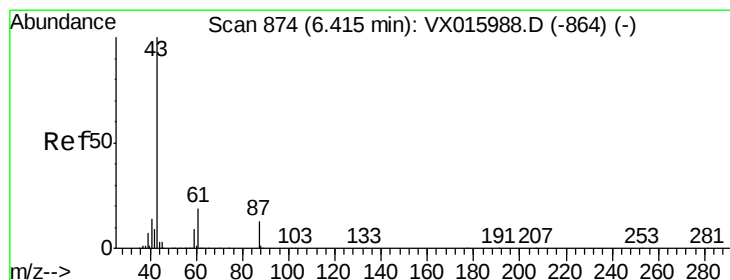
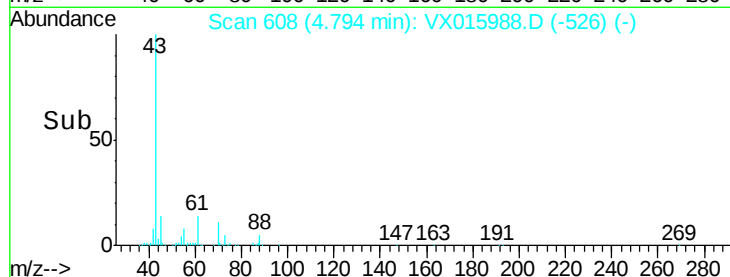
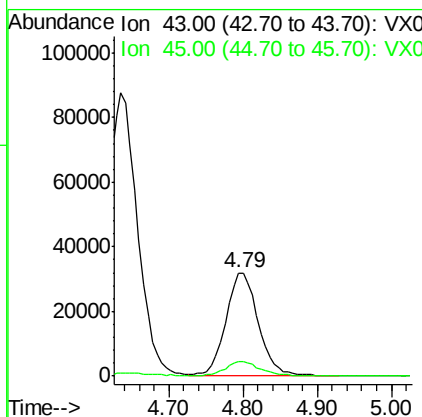
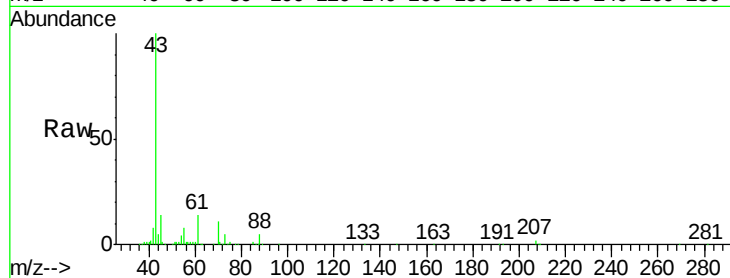
#43
Ethyl Acetate
Concen: 17.563 ug/l
RT: 4.79 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX015988.D
Acq: 30 Apr 2020 10:54

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC020

Tot Ion	43	45	Ratio	Lower	Upper
96447	100	14.9		11.9	17.9

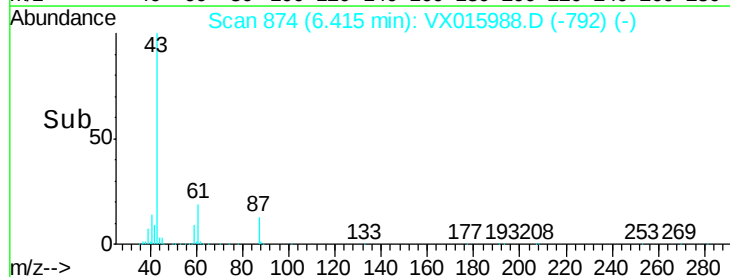
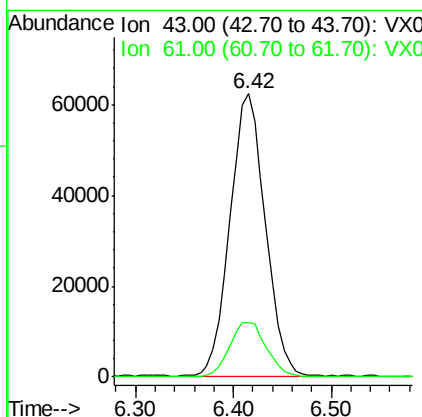
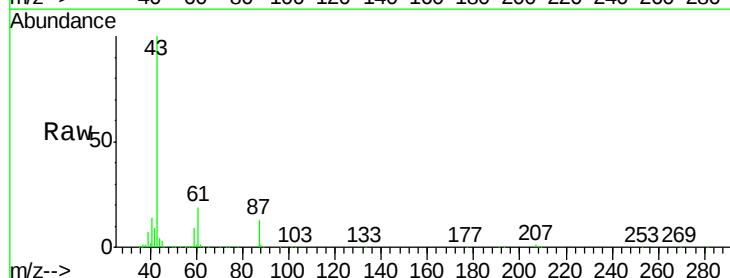
Manual Integrations
APPROVED

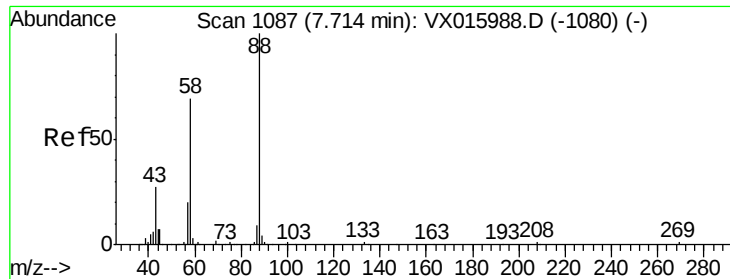
MMDadoda
5/4/2020 3:10:10 PM



#44
Isopropyl Acetate
Concen: 18.058 ug/l
RT: 6.42 min Scan# 874
Delta R.T. 0.00 min
Lab File: VX015988.D
Acq: 30 Apr 2020 10:54

Tgt Ion	43	61	Ratio	Lower	Upper
155616	100	20.1		16.1	24.1





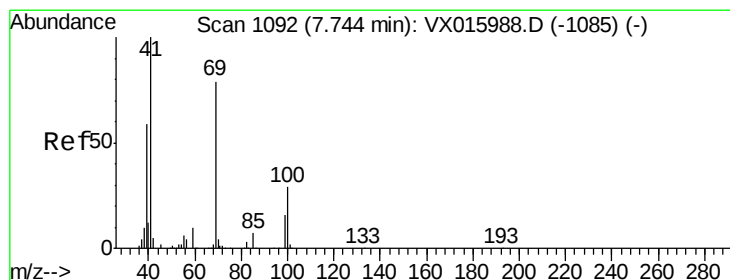
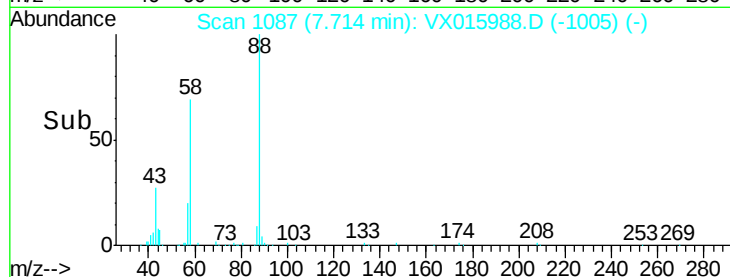
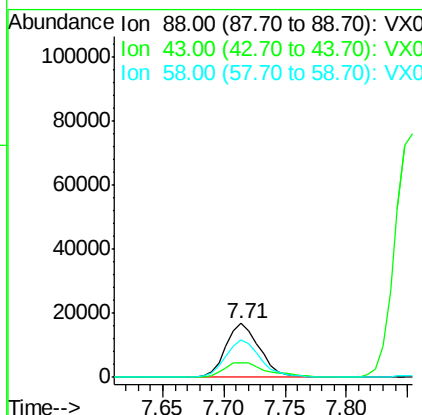
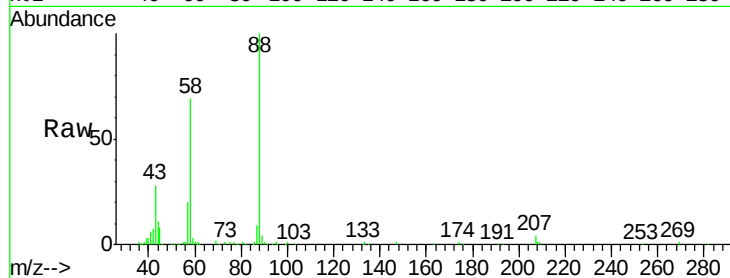
#45
1,4-Dioxane
Concen: 390.297 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX015988.D
Acq: 30 Apr 2020 10:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.9	26.3	39.5
58	71.3	57.0	85.6

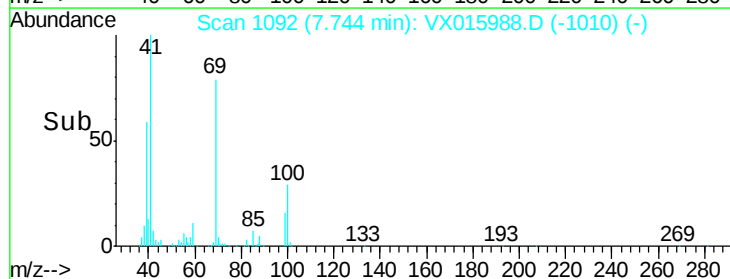
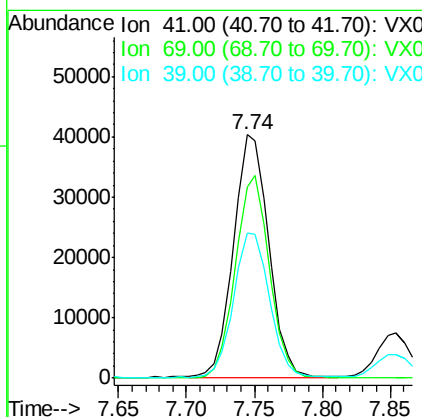
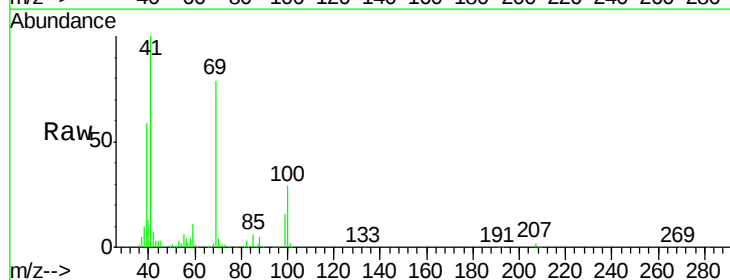
Manual Integrations
APPROVED

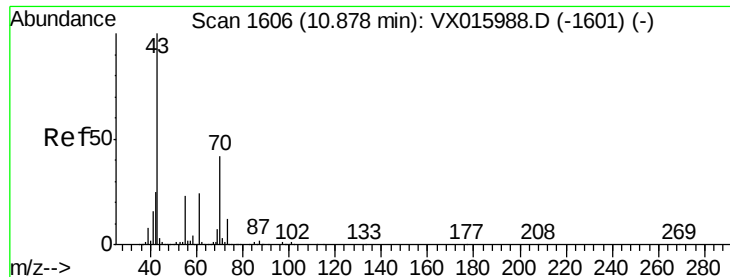
MMDadoda
5/4/2020 3:10:10 PM



#46
Methyl methacrylate
Concen: 17.238 ug/l
RT: 7.74 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VX015988.D
Acq: 30 Apr 2020 10:54

Tgt Ion	Ratio	Lower	Upper
41	100		
69	79.0	39.5	118.5
39	59.3	29.6	88.9





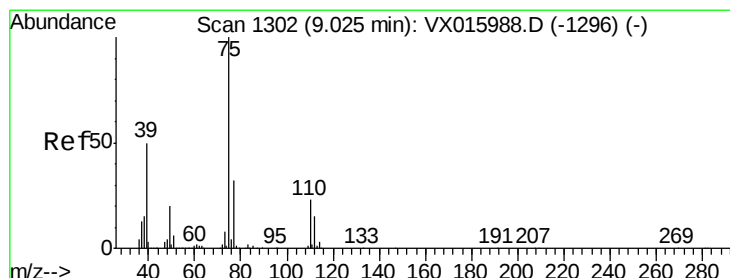
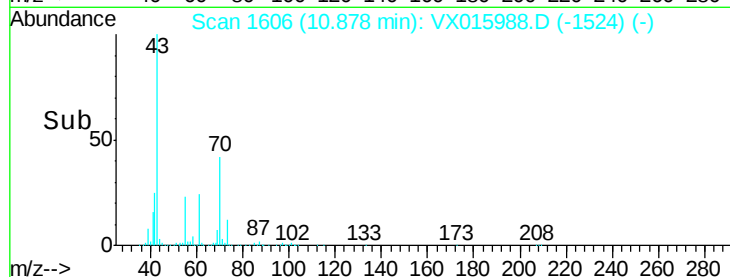
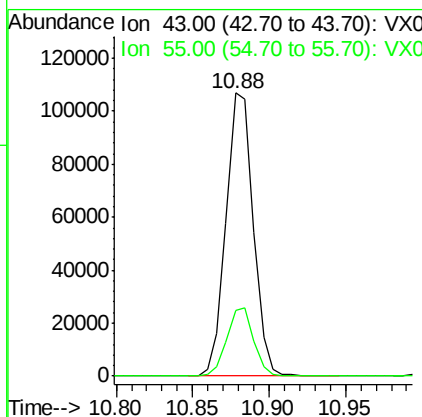
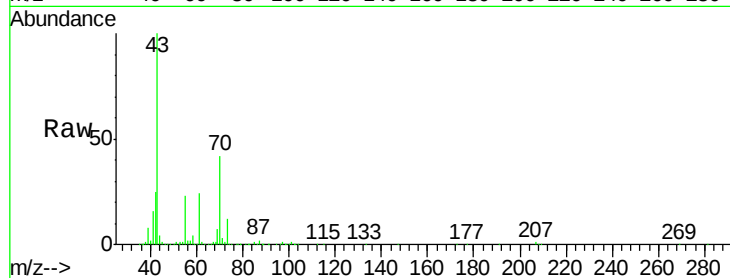
#47
n-amvl Acetate
Concen: 17.621 ug/l
RT: 10.88 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VX015988.D
Acq: 30 Apr 2020 10:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion: 43 Resp: 131969
Ion Ratio Lower Upper
43 100
55 23.7 19.0 28.4

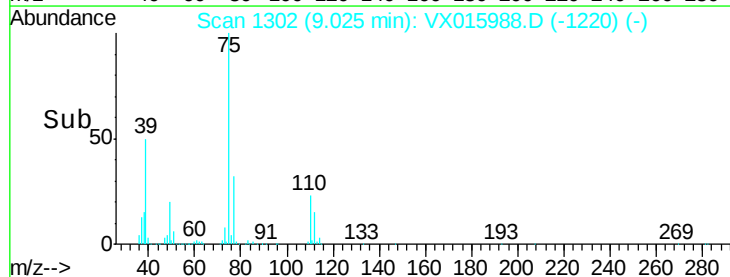
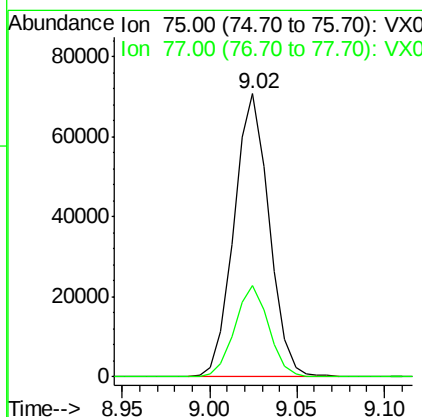
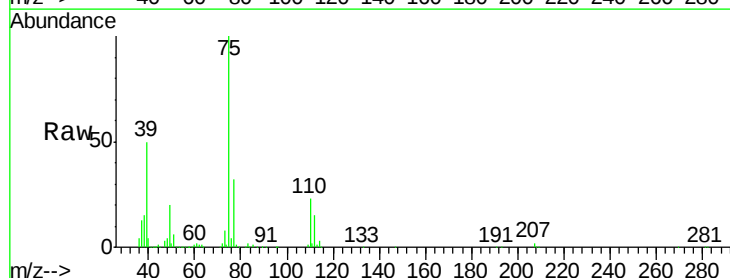
Manual Integrations
APPROVED

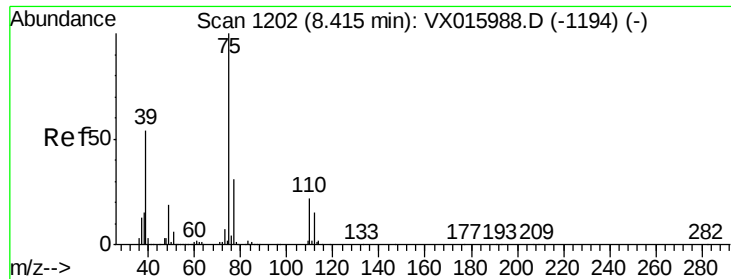
MMDadoda
5/4/2020 3:10:10 PM



#48
t-1,3-Dichloropropene
Concen: 18.154 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VX015988.D
Acq: 30 Apr 2020 10:54

Tgt Ion: 75 Resp: 98506
Ion Ratio Lower Upper
75 100
77 32.3 25.8 38.8





#49

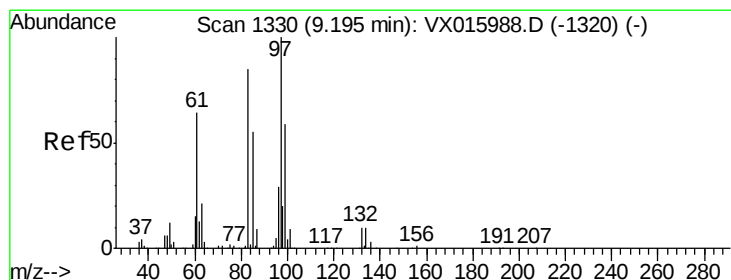
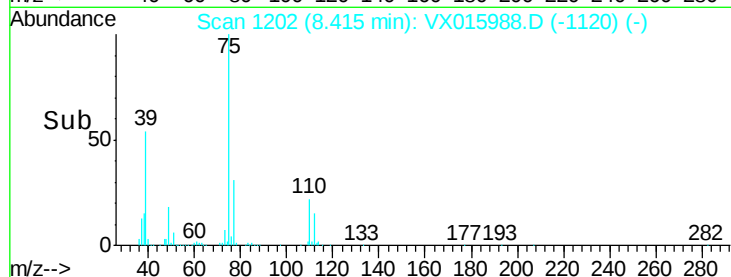
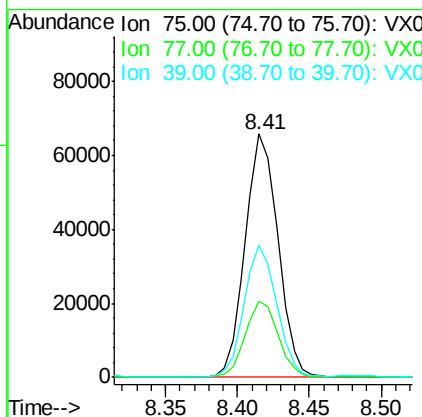
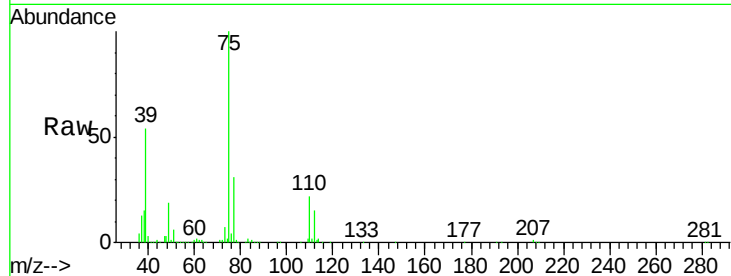
cis-1,3-Dichloropropene
 Concen: 18.562 ug/l
 RT: 8.41 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VX015988.D
 Acq: 30 Apr 2020 10:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.6
39	54.0	43.2	64.8

Manual Integrations
 APPROVED

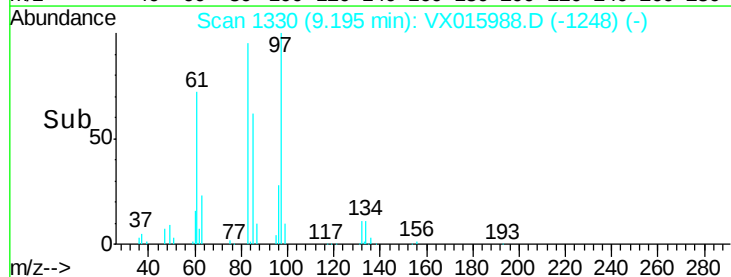
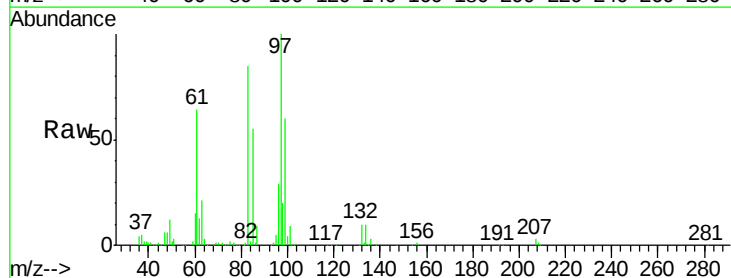
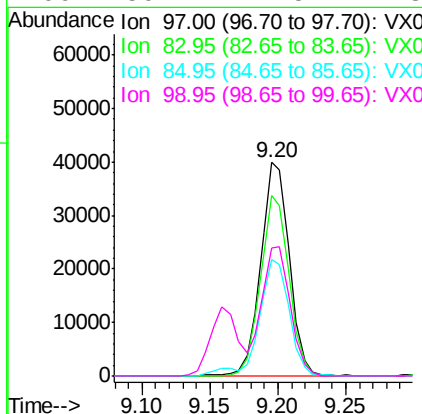
MMDadoda
 5/4/2020 3:10:10 PM

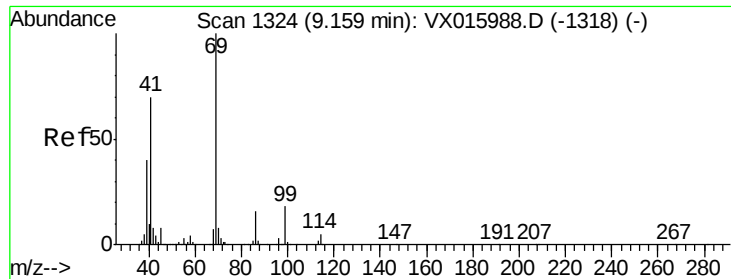


#50

1,1,2-Trichloroethane
 Concen: 18.828 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX015988.D
 Acq: 30 Apr 2020 10:54

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.6	67.7	101.5
85	54.6	43.7	65.5
99	59.4	47.5	71.3





#51

Ethyl methacrylate

Concen: 17.805 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX015988.D

Acq: 30 Apr 2020 10:54

Instrument :

MSVOA_X

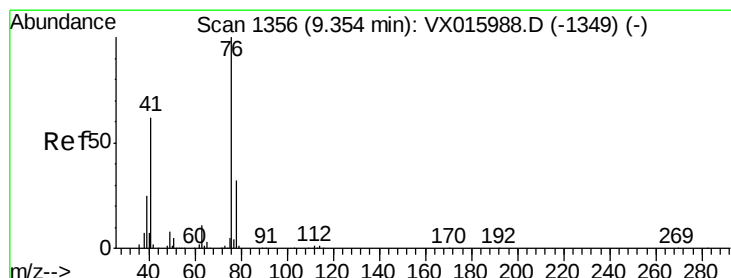
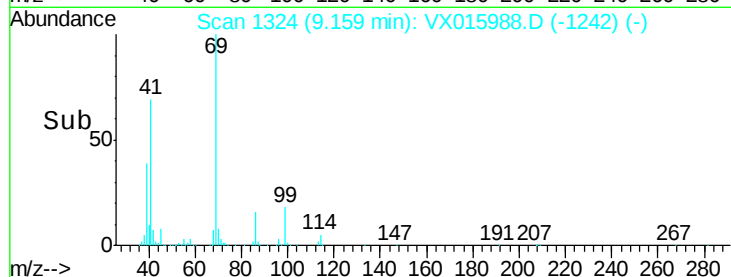
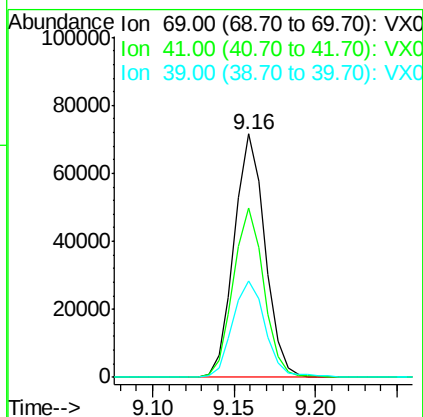
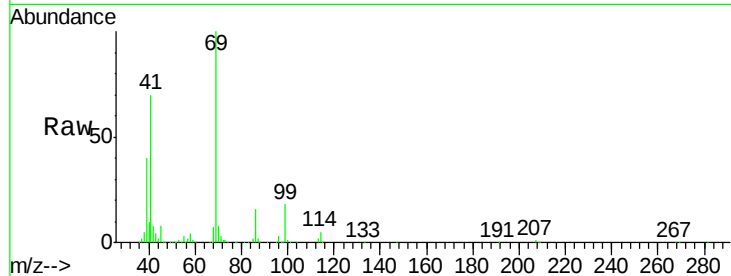
ClientSampleId :

VSTDICCC020

Tot Ion:	69	Resp:	94445
Ion	Ratio	Lower	Upper
69	100		
41	69.6	34.8	104.4
39	39.6	19.8	59.4

Manual Integrations
APPROVED

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#52

1,3-Dichloropropane

Concen: 19.077 ug/l

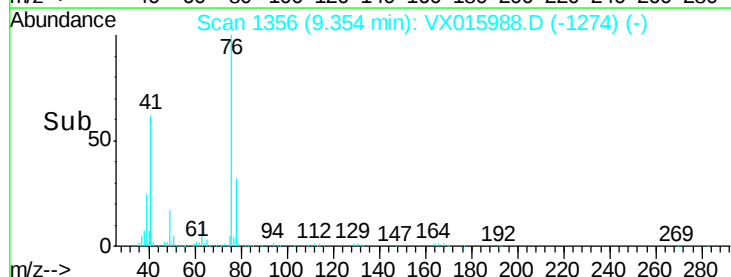
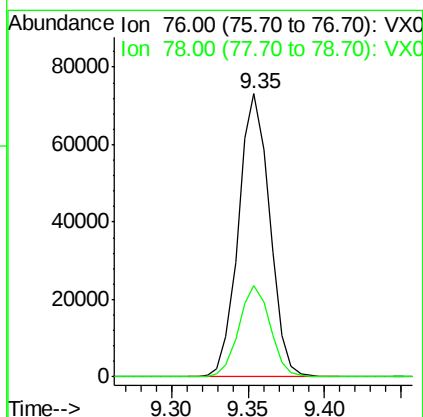
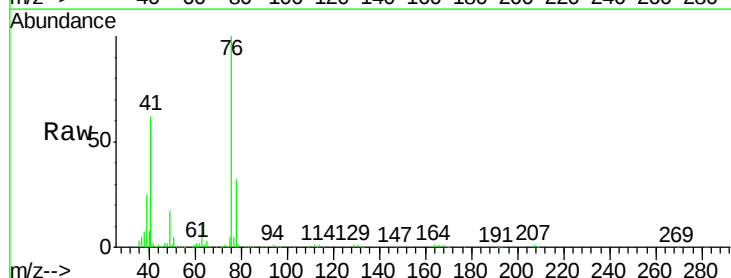
RT: 9.35 min Scan# 1356

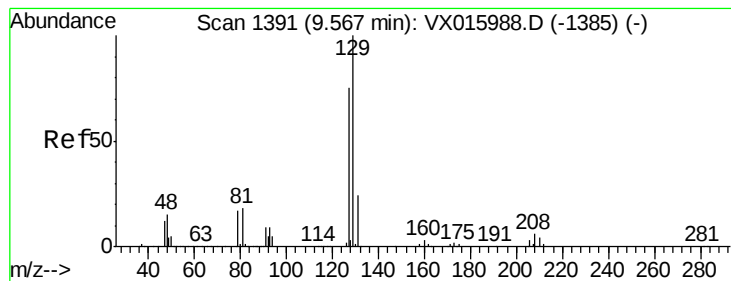
Delta R.T. 0.00 min

Lab File: VX015988.D

Acq: 30 Apr 2020 10:54

Tgt Ion:	76	Resp:	103621
Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	64.2





#53

Dibromochloromethane

Concen: 17.404 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX015988.D

Acq: 30 Apr 2020 10:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion:129 Resp: 65507

Ion Ratio Lower Upper

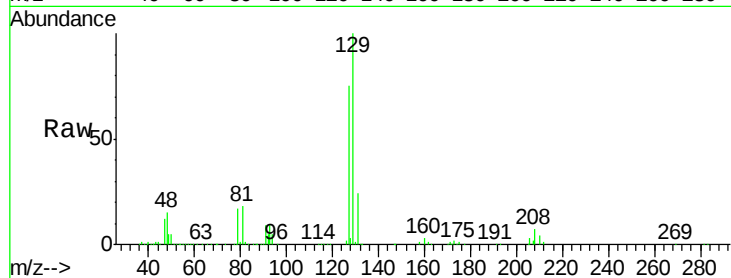
129 100

127 76.6 38.3 114.9

Manual Integrations
APPROVED

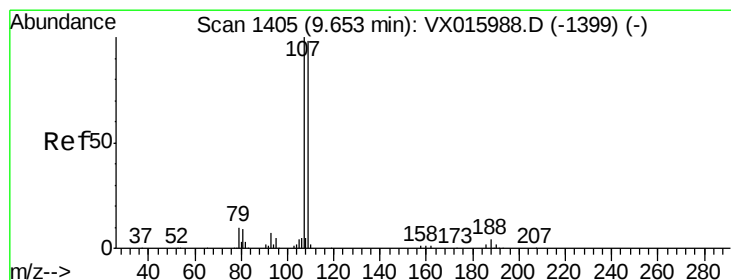
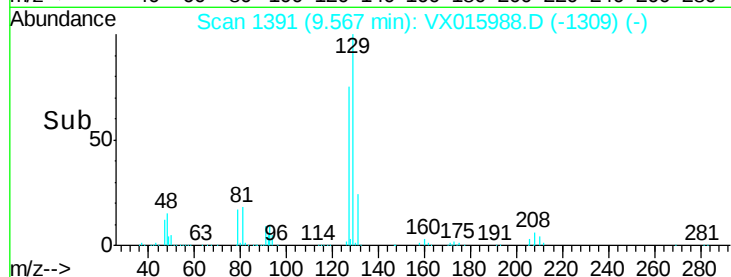
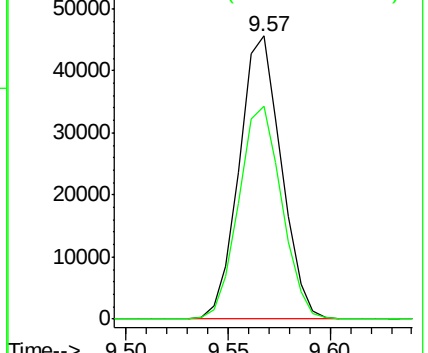
MMDadoda

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 18.746 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX015988.D

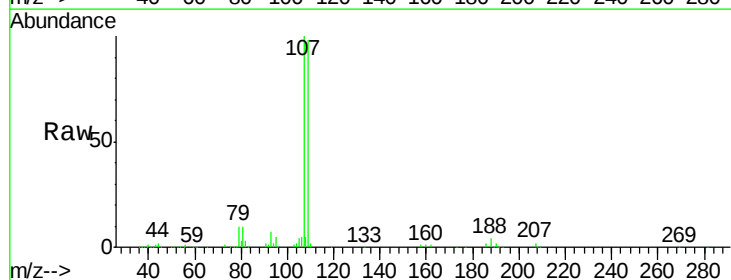
Acq: 30 Apr 2020 10:54

Tgt Ion:107 Resp: 63832

Ion Ratio Lower Upper

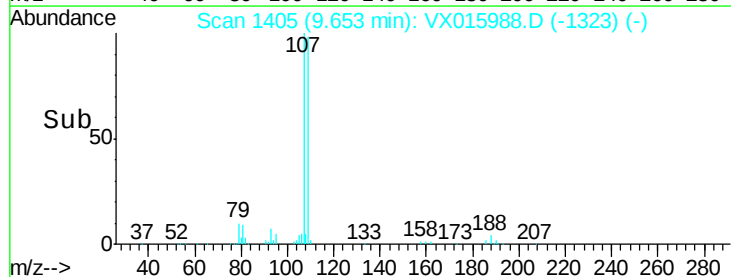
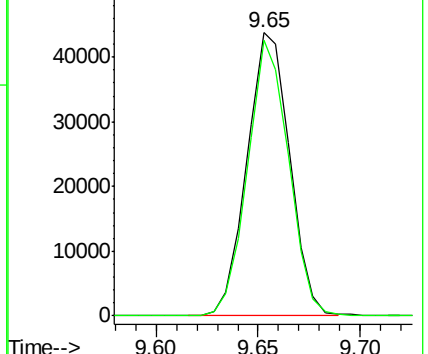
107 100

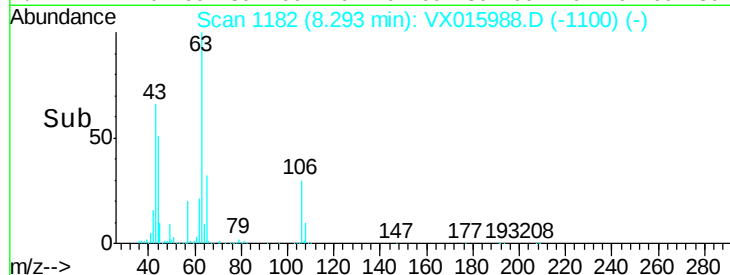
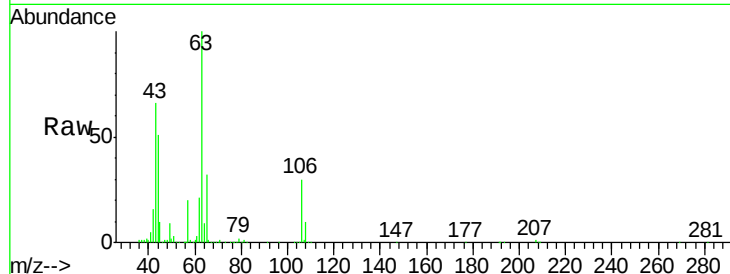
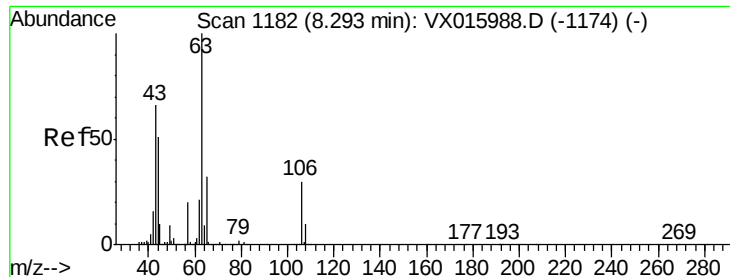
109 93.4 74.7 112.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





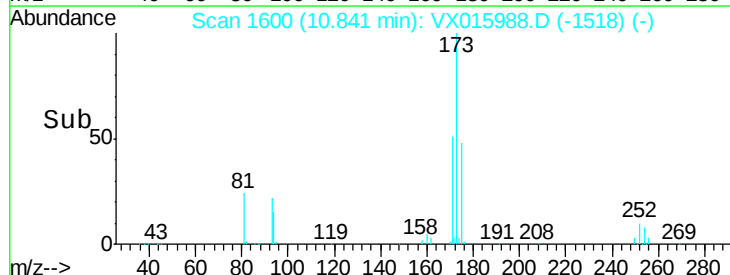
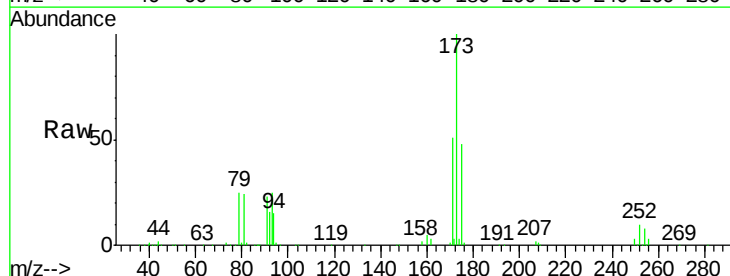
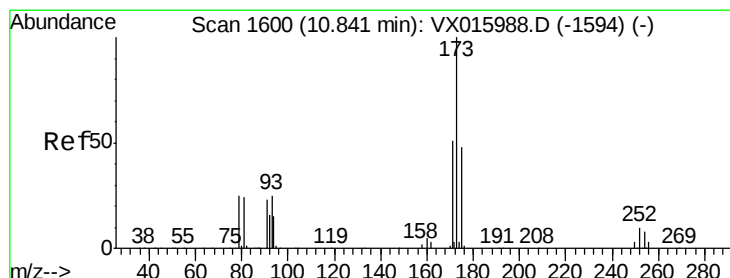
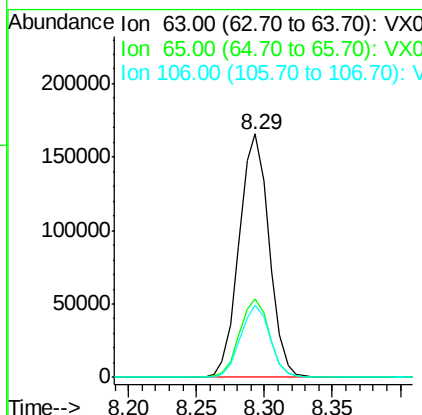
#55
2-Chloroethyl vinyl ether
Concen: 98.711 ug/l
RT: 8.29 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VX015988.D
Acq: 30 Apr 2020 10:54

Tot Ion	Ratio	Resp	Lower	Upper
63	100	255896		
65	32.0		25.6	38.4
106	29.2		23.4	35.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

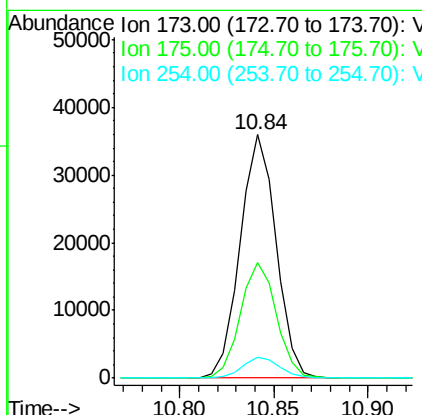
Manual Integrations
APPROVED

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#56
Bromoform
Concen: 15.902 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VX015988.D
Acq: 30 Apr 2020 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	47594		
175	47.5		38.0	57.0
254	8.5		6.8	10.2





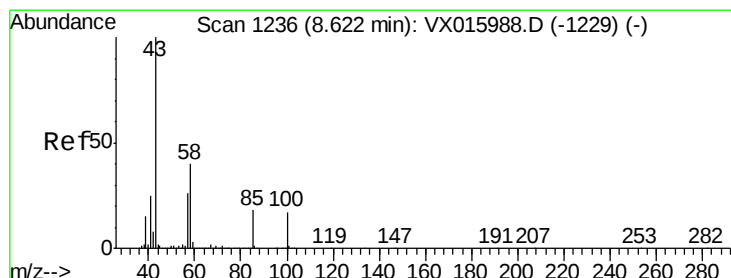
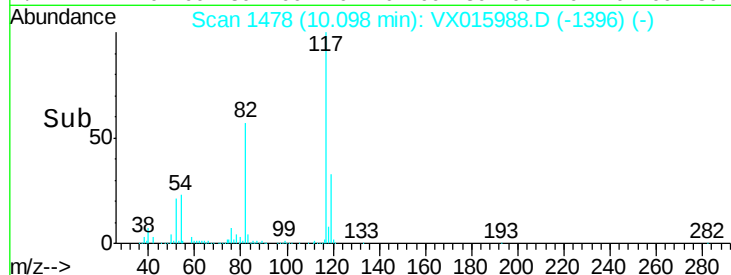
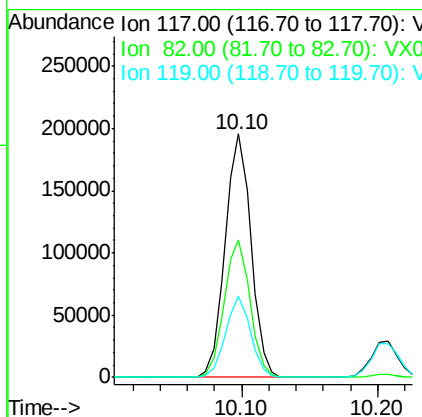
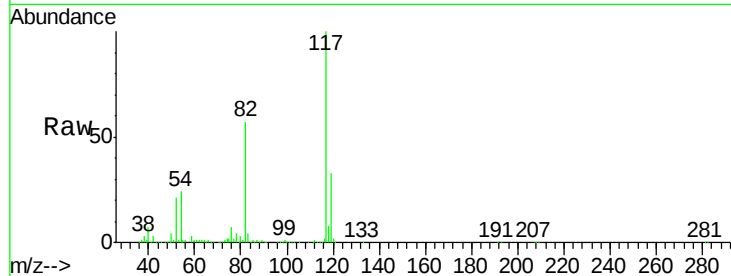
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX015988.D
Acq: 30 Apr 2020 10:54

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	257270		
82	56.4		45.1	67.7
119	32.0		25.6	38.4

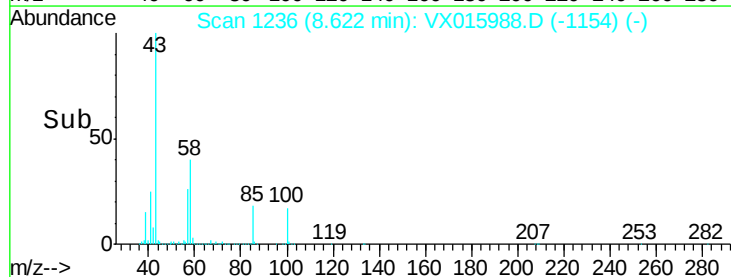
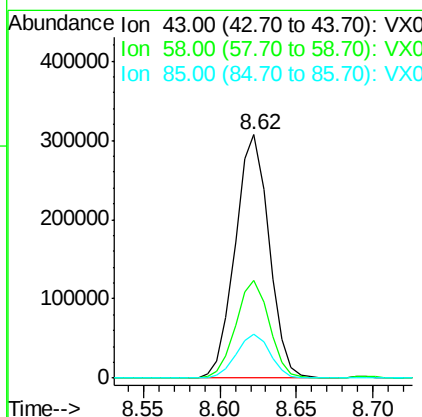
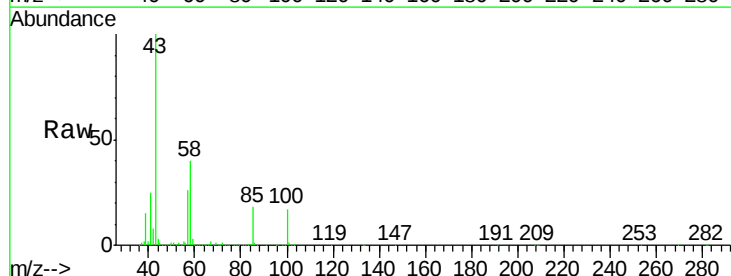
Manual Integrations
APPROVED

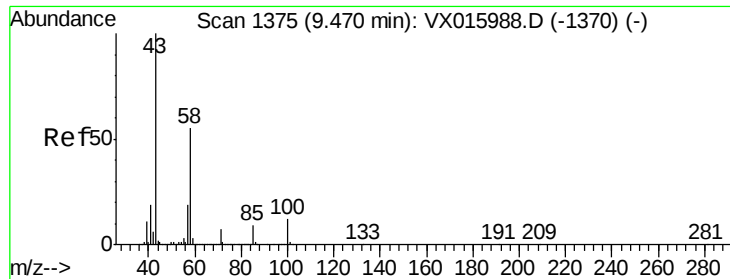
MMDadoda
5/4/2020 3:10:10 PM



#58
4-Methyl-2-Pentanone
Concen: 96.538 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VX015988.D
Acq: 30 Apr 2020 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	472426		
58	39.7		31.8	47.6
85	18.1		14.5	21.7





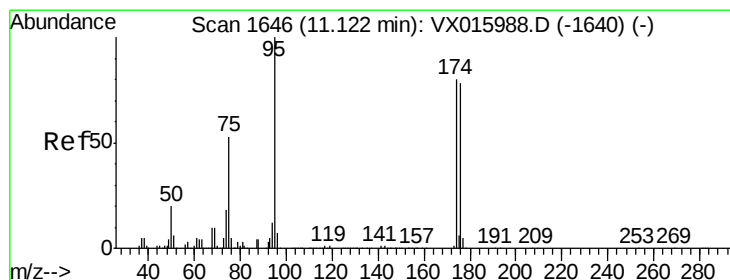
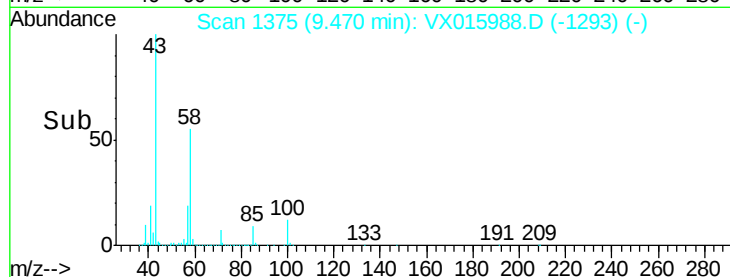
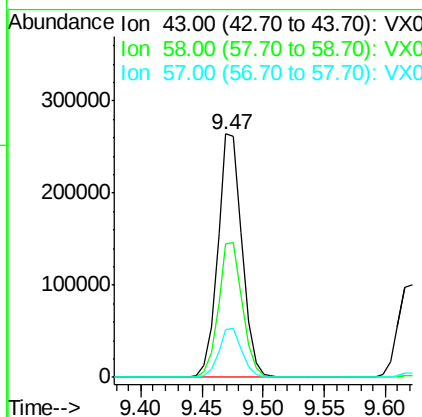
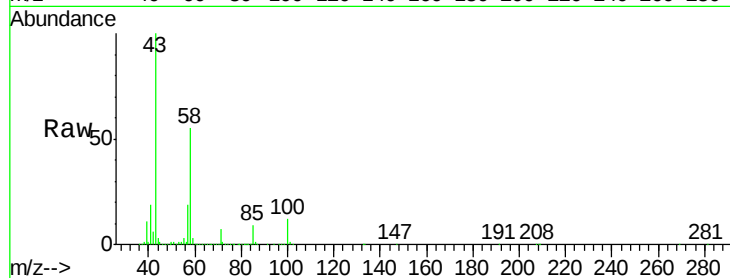
#59
2-Hexanone
Concen: 96.443 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX015988.D
Acq: 30 Apr 2020 10:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.0	44.0	66.0
57	19.4	15.5	23.3

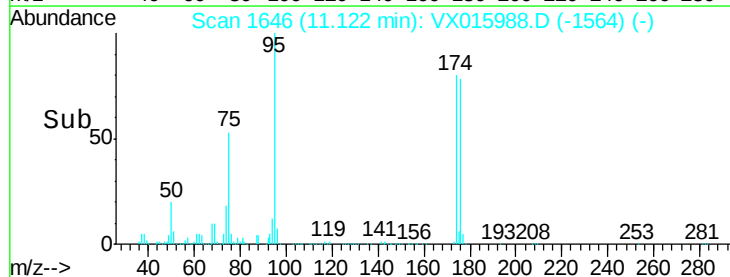
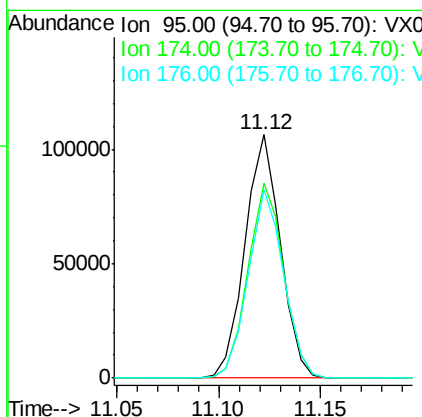
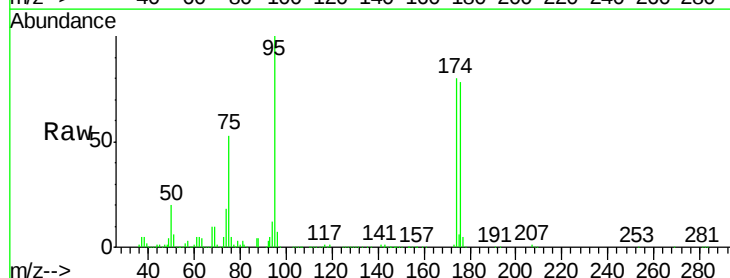
Manual Integrations
APPROVED

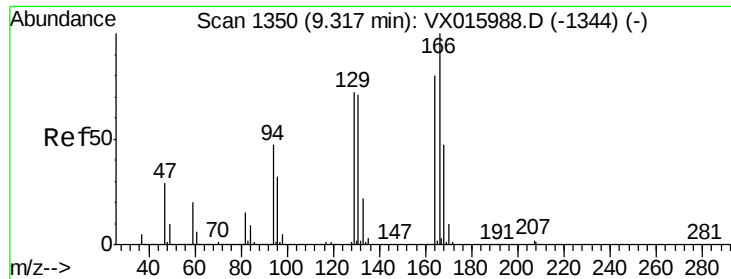
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#60
4-Bromofluorobenzene
Concen: 29.462 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX015988.D
Acq: 30 Apr 2020 10:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.0	64.8	97.2
176	78.0	62.4	93.6





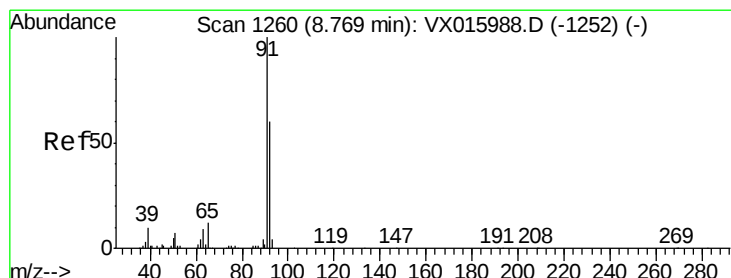
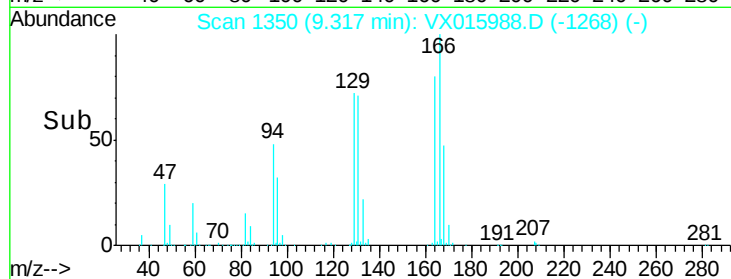
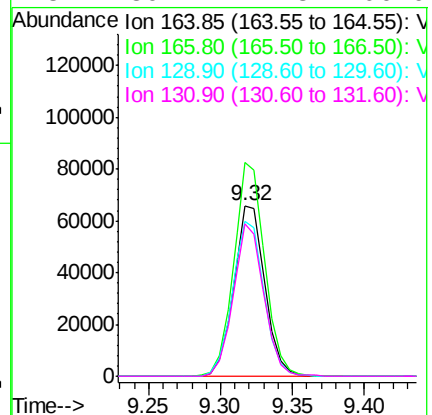
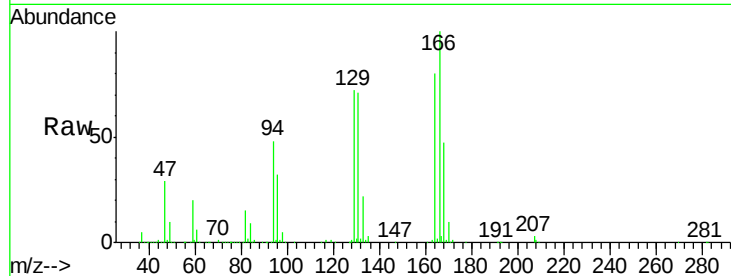
#61
Tetrachloroethene
Concen: 24.652 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX015988.D
Acq: 30 Apr 2020 10:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
164	100		
166	125.1	100.1	150.1
129	90.3	72.2	108.4
131	89.1	71.3	106.9

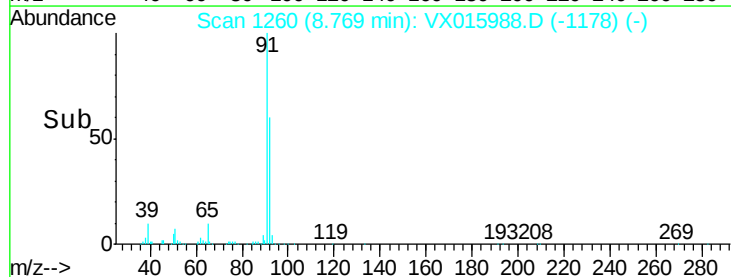
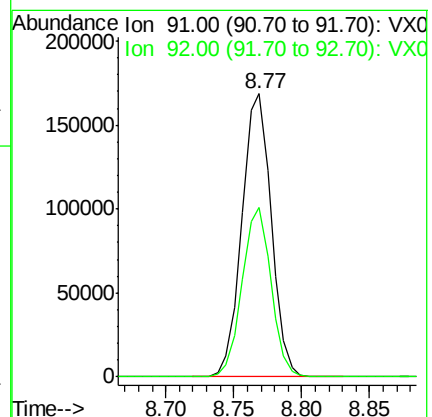
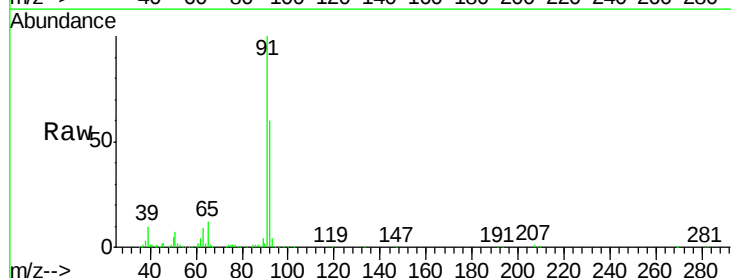
Manual Integrations
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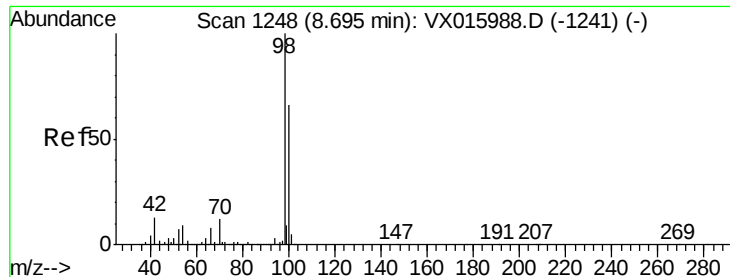
MMDadoda
5/4/2020 3:10:10 PM



#62
Toluene
Concen: 19.334 ug/l
RT: 8.77 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VX015988.D
Acq: 30 Apr 2020 10:54

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.0	47.2	70.8





#63

Toluene-d8

Concen: 30.979 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX015988.D

Acq: 30 Apr 2020 10:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 98 Resp: 339060

Ion Ratio Lower Upper

98 100

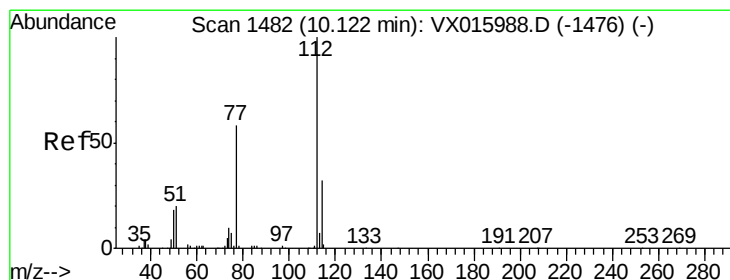
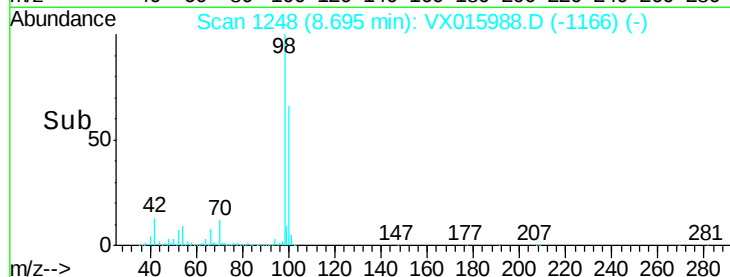
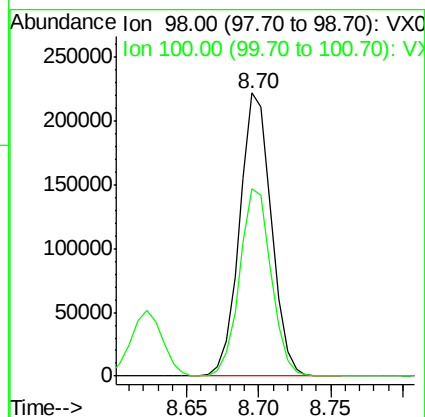
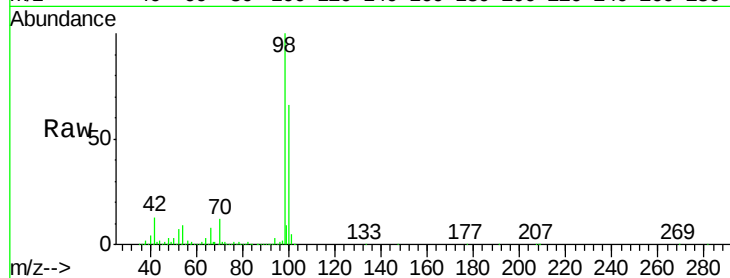
100 65.6 52.5 78.7

Manual Integrations

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5/4/2020 3:10:10 PM



#64

Chlorobenzene

Concen: 19.046 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX015988.D

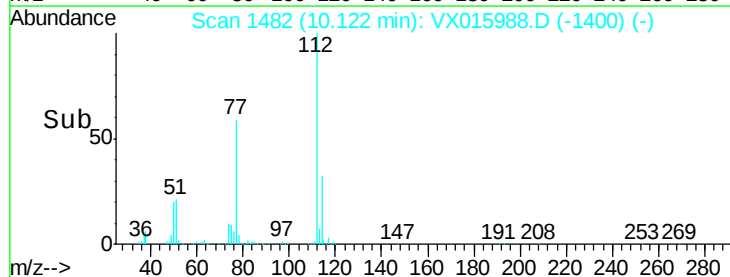
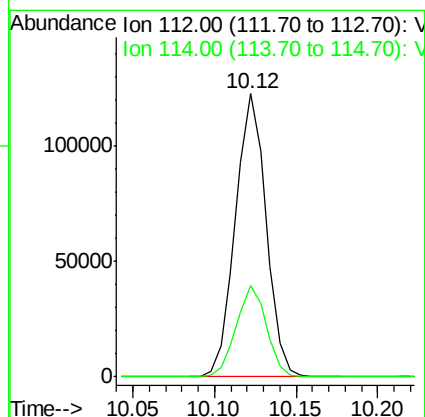
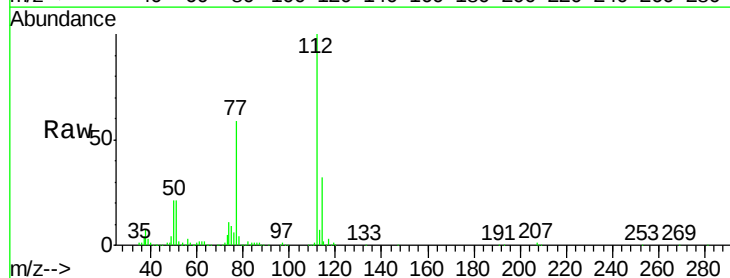
Acq: 30 Apr 2020 10:54

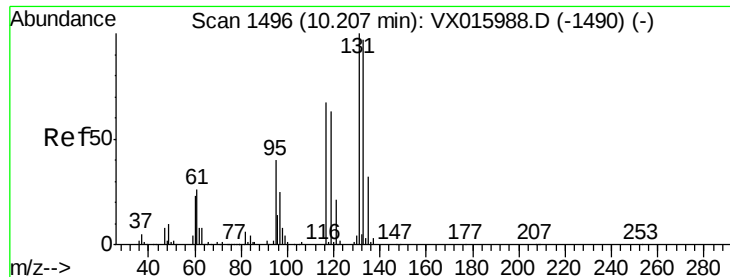
Tgt Ion: 112 Resp: 161213

Ion Ratio Lower Upper

112 100

114 32.2 25.8 38.6





#65

1,1,1,2-Tetrachloroethane

Concen: 17.979 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VX015988.D

Acq: 30 Apr 2020 10:54

Instrument :

MSVOA_X

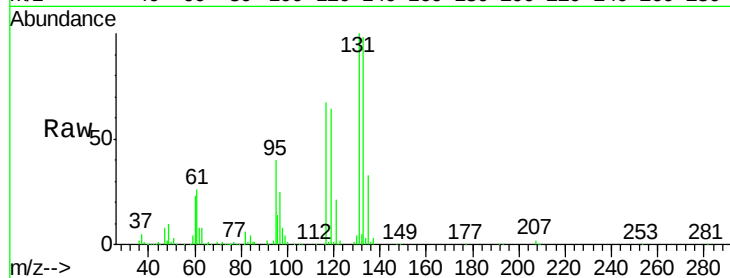
ClientSampled :

VSTDICCC020

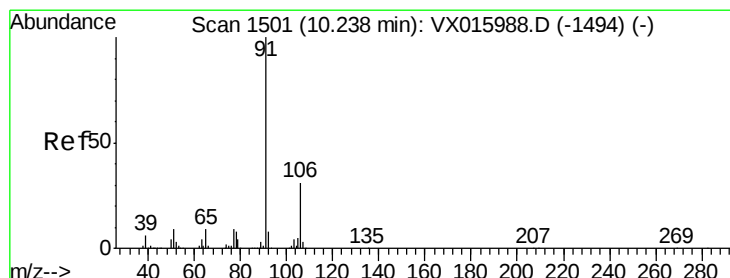
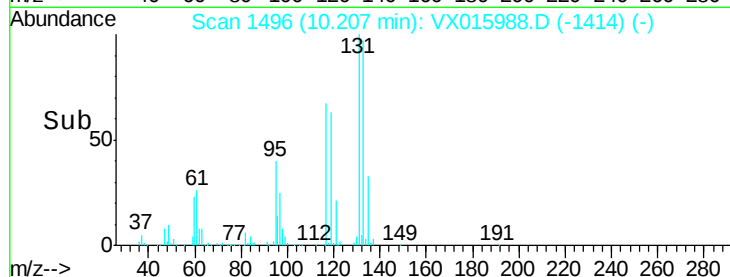
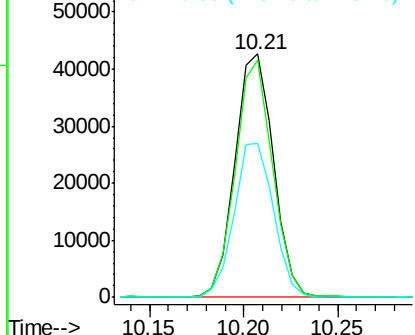
Tot Ion:	131	Resp:	60568
Ion	Ratio	Lower	Upper
131	100		
133	93.5	0.0	187.0
119	64.5	0.0	129.0

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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: 19.312 ug/l

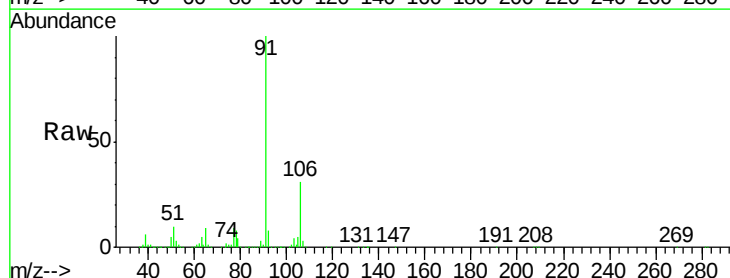
RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

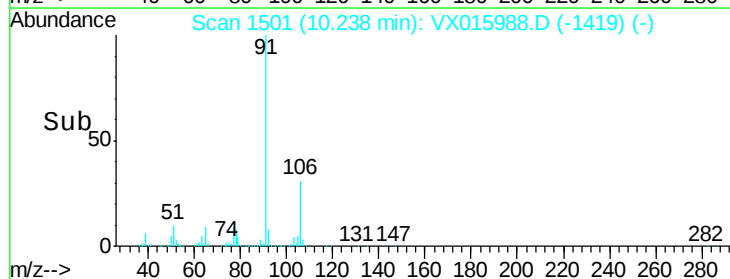
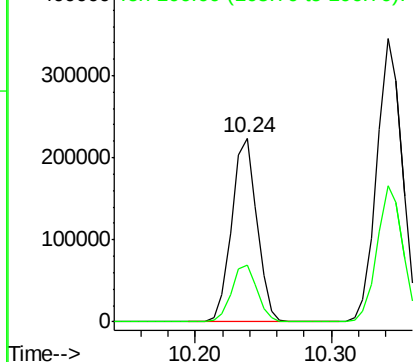
Lab File: VX015988.D

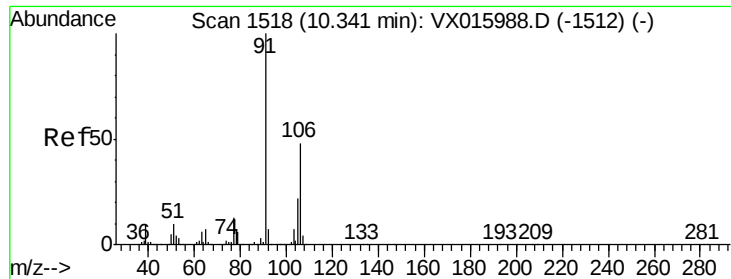
Acq: 30 Apr 2020 10:54

Tgt Ion:	91	Resp:	289365
Ion	Ratio	Lower	Upper
91	100		
106	31.0	24.8	37.2



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





#67

m/p-Xvlenes

Concen: 38.135 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX015988.D

Acq: 30 Apr 2020 10:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion:106 Resp: 217497

Ion Ratio Lower Upper

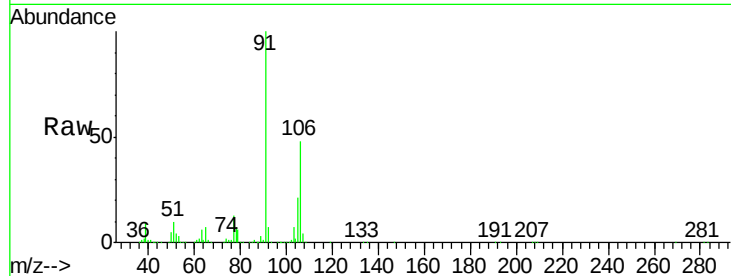
106 100

91 205.3 164.2 246.4

Manual Integrations
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

400000

300000

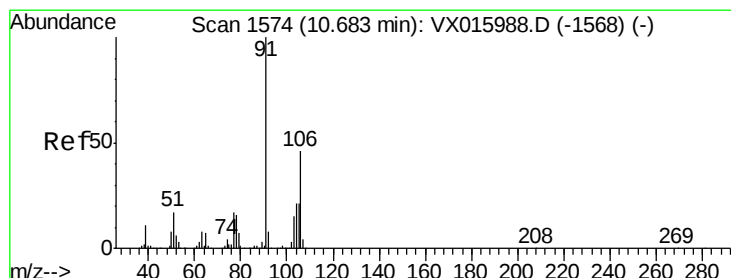
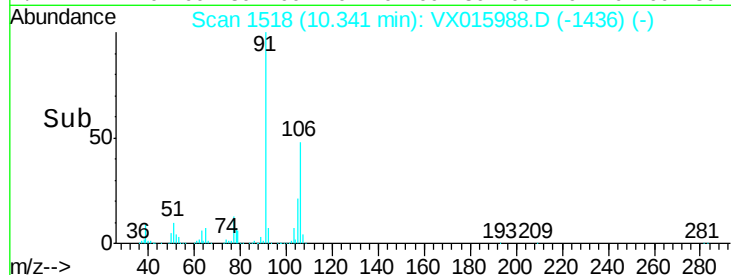
200000

100000

0

10.30 10.35 10.40

Time-->



#68

o-Xylene

Concen: 18.755 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX015988.D

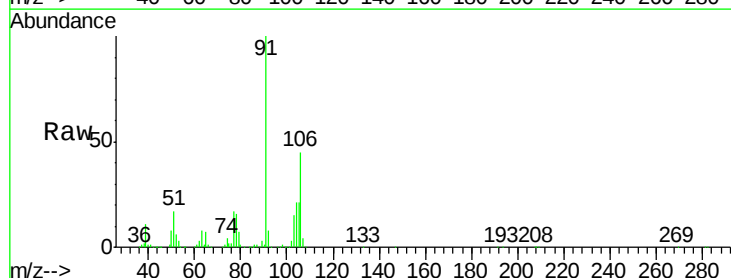
Acq: 30 Apr 2020 10:54

Tgt Ion:106 Resp: 103722

Ion Ratio Lower Upper

106 100

91 216.7 108.3 325.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

200000

150000

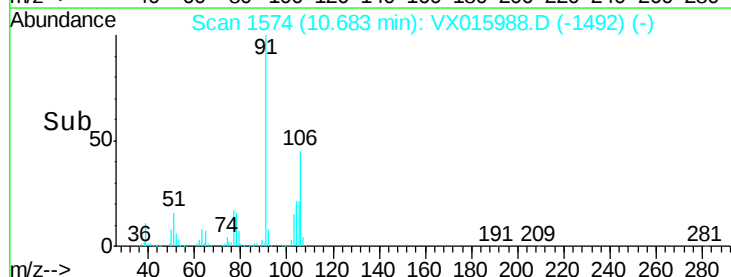
100000

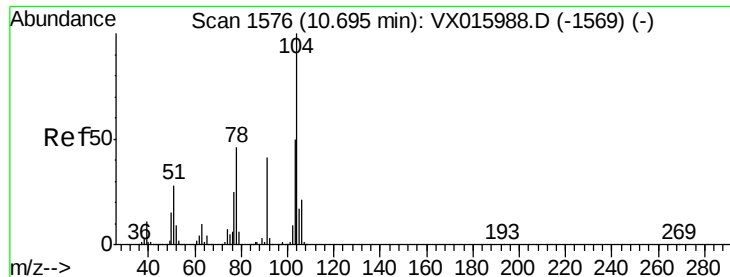
50000

0

10.65 10.70

Time-->





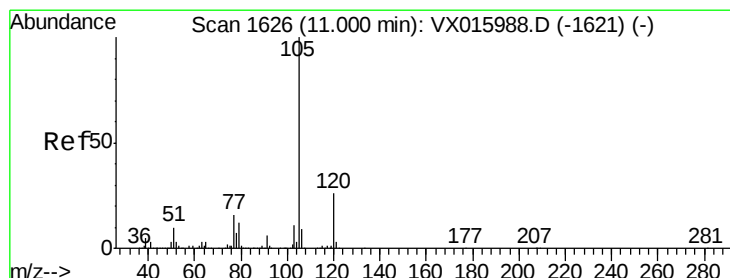
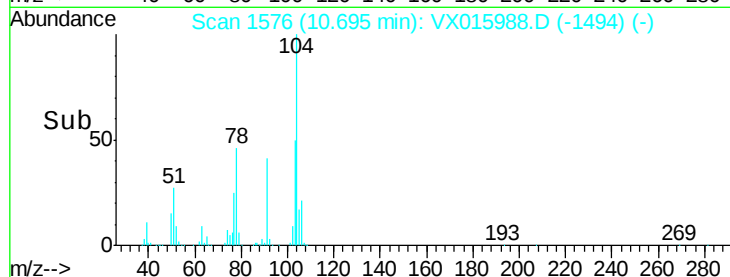
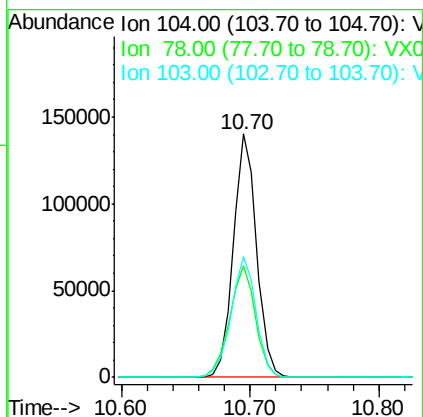
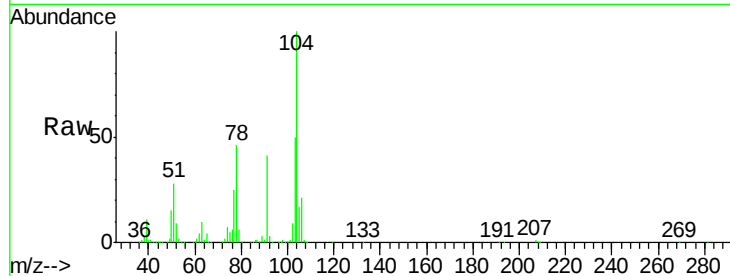
#69
Stvrene
Concen: 18.476 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX015988.D
Acq: 30 Apr 2020 10:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.9	40.7	61.1
103	53.7	43.0	64.4

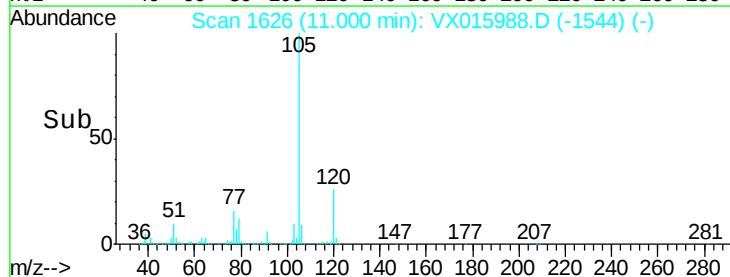
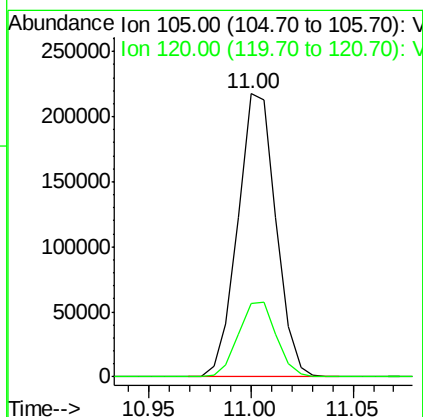
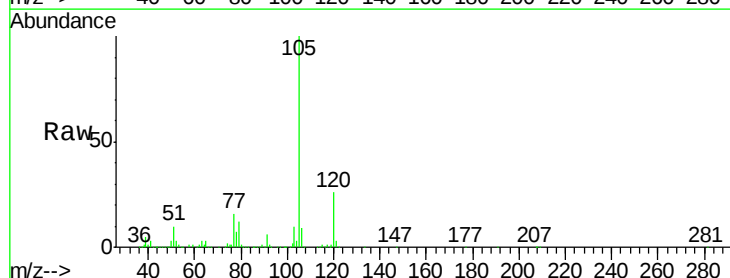
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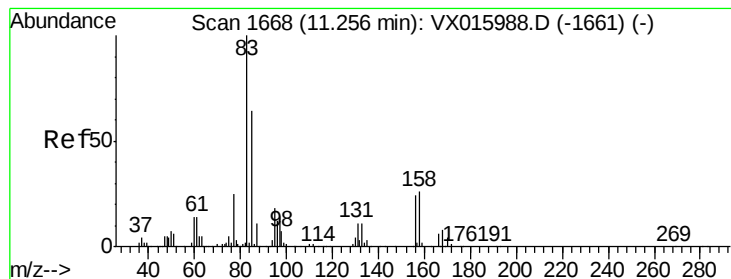
MMDadoda
5/4/2020 3:10:10 PM



#70
Isopropylbenzene
Concen: 19.089 ug/l
RT: 11.00 min Scan# 1626
Delta R.T. 0.00 min
Lab File: VX015988.D
Acq: 30 Apr 2020 10:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	18.6	34.5





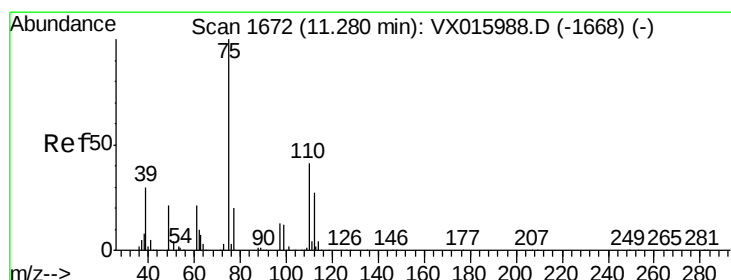
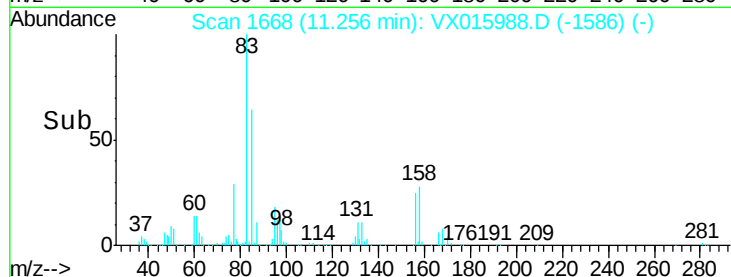
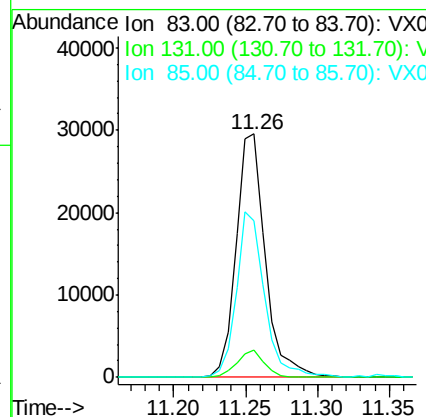
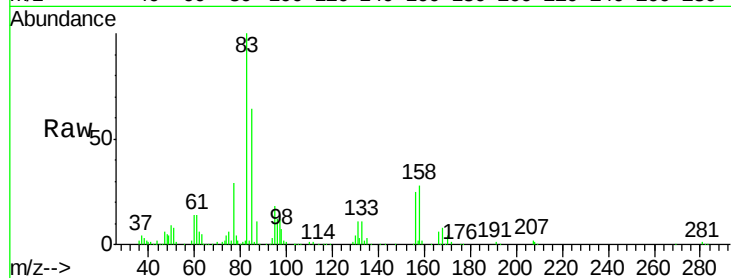
#71
 1,1,2,2-Tetrachloroethane
 Concen: 10.766 ug/l
 RT: 11.26 min Scan# 1668
 Delta R.T. 0.00 min
 Lab File: VX015988.D
 Acq: 30 Apr 2020 10:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.2	15.6
85	65.9	33.0	98.9

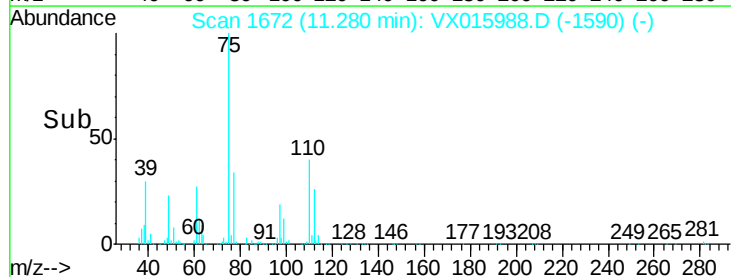
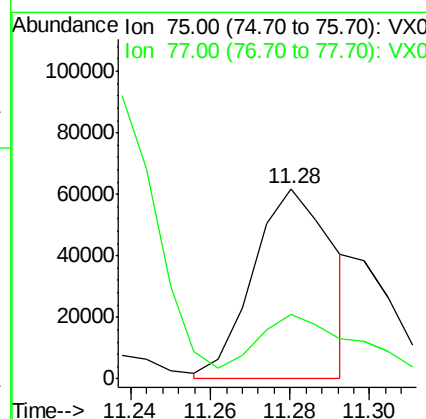
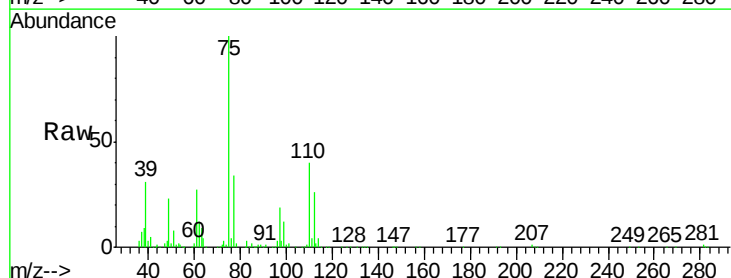
Manual Integrations
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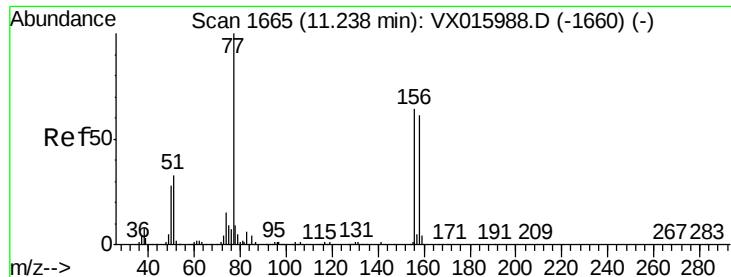
MMDadoda
 5/4/2020 3:10:10 PM



#72
 1,2,3-Trichloropropane
 Concen: 19.047 ug/l m
 RT: 11.28 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: VX015988.D
 Acq: 30 Apr 2020 10:54

Tgt Ion	Ratio	Lower	Upper
75	100		
77	43.0	0.0	86.0





#73

Bromobenzene

Concen: 18.315 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX015988.D

Acq: 30 Apr 2020 10:54

Instrument :

MSVOA_X

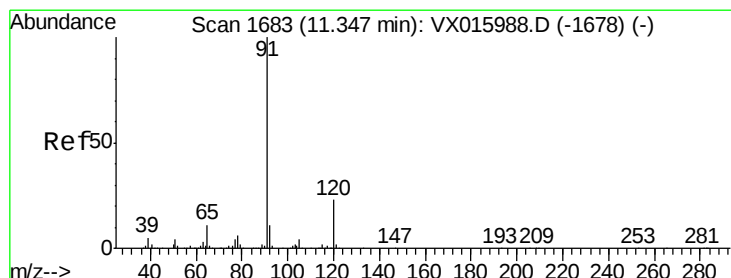
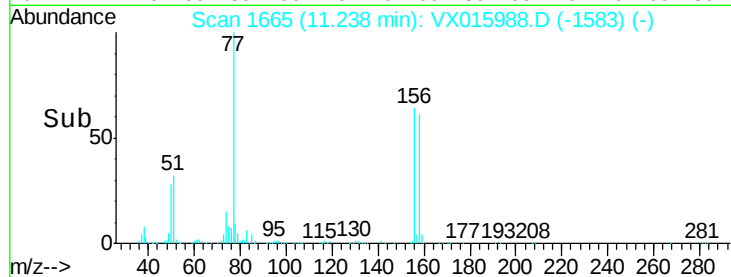
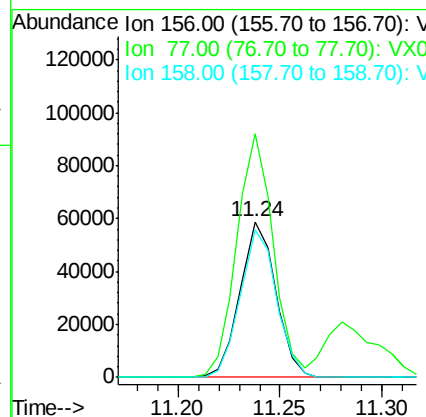
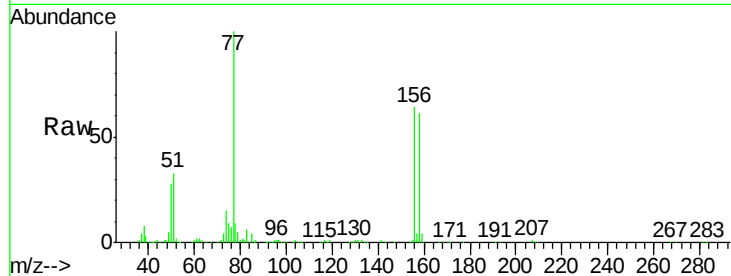
ClientSampleId :

VSTDICCC020

Tot Ion:	156	Resp:	71309
Ion Ratio	Lower	Upper	
156	100		
77	159.0	0.0	318.0
158	96.6	0.0	193.2

Manual Integrations
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#74

n-propylbenzene

Concen: 19.179 ug/l

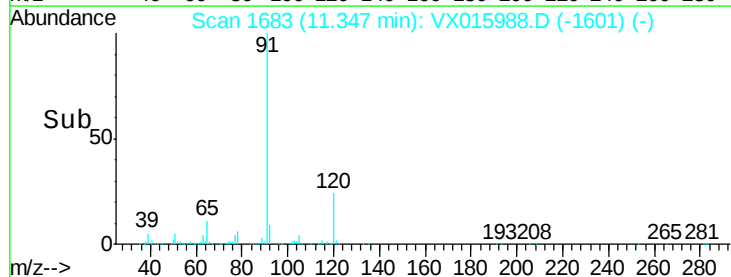
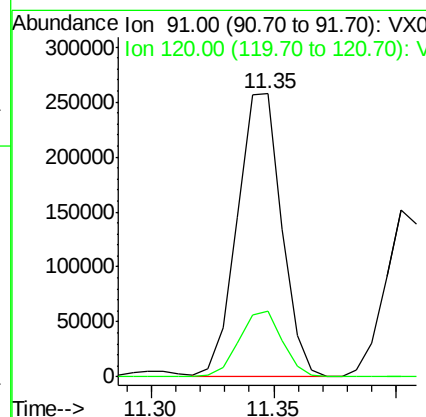
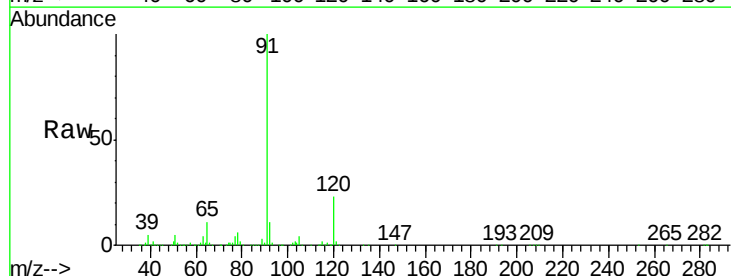
RT: 11.35 min Scan# 1683

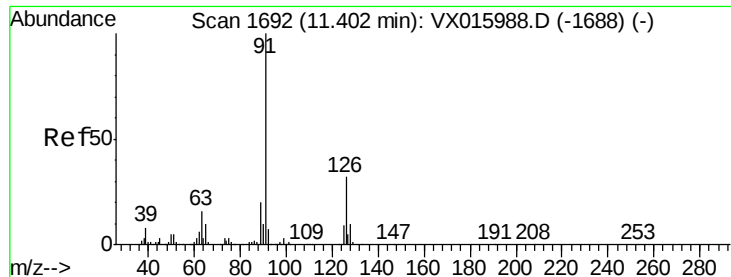
Delta R.T. 0.00 min

Lab File: VX015988.D

Acq: 30 Apr 2020 10:54

Tgt Ion:	91	Resp:	325844
Ion Ratio	Lower	Upper	
91	100		
120	22.7	0.0	45.4





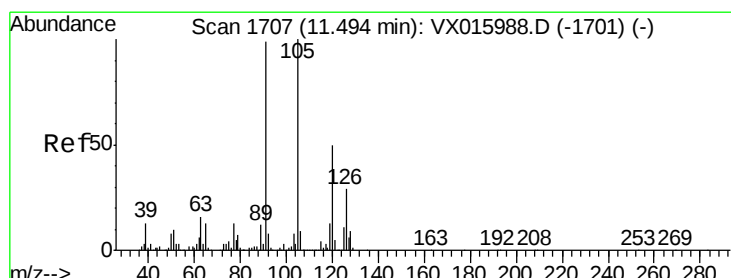
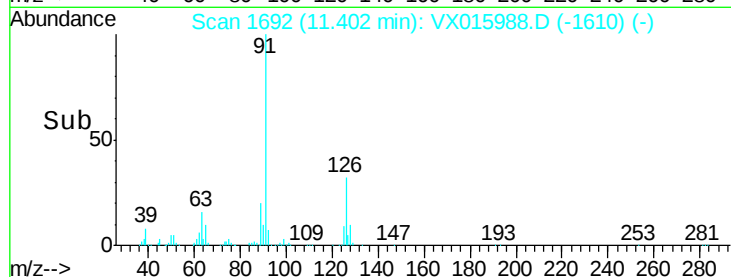
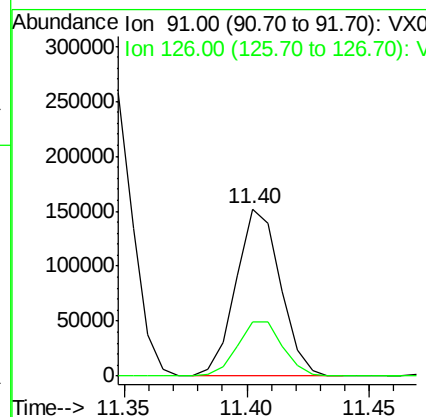
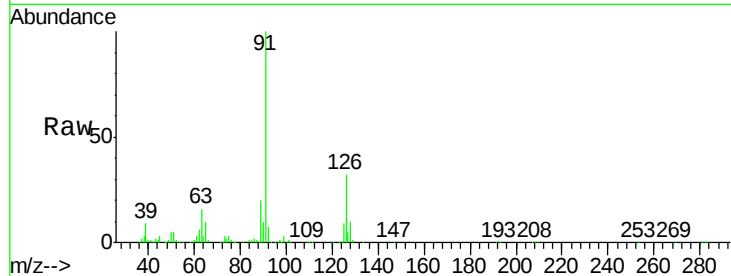
#75
 2-Chlorotoluene
 Concen: 18.856 ug/l
 RT: 11.40 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VX015988.D
 Acq: 30 Apr 2020 10:54

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.1	0.0	66.2

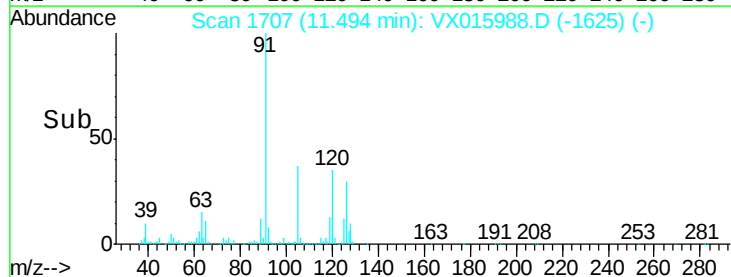
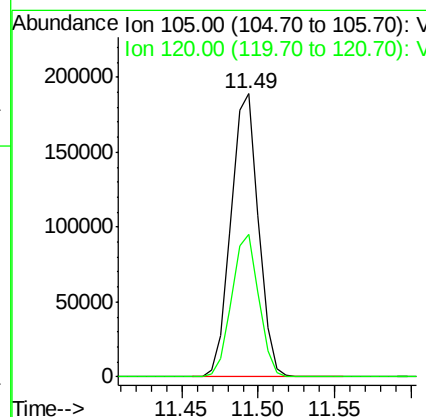
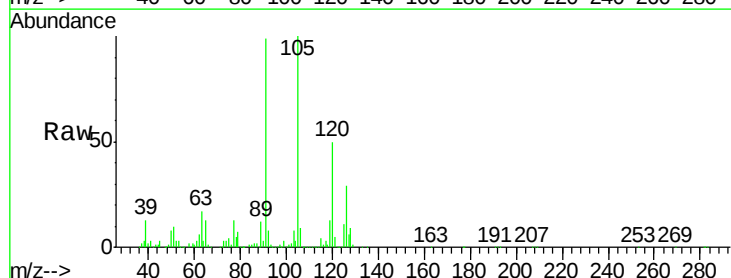
Manual Integrations
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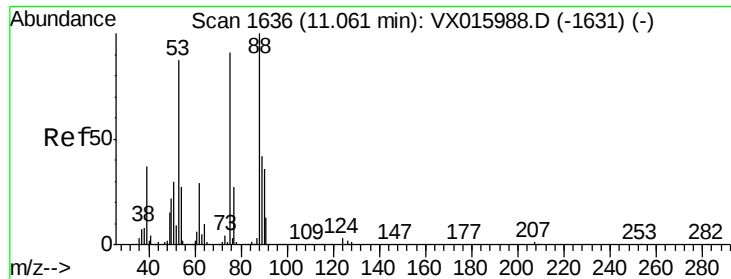
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 5/4/2020 3:10:10 PM



#76
 1,3,5-Trimethylbenzene
 Concen: 18.716 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VX015988.D
 Acq: 30 Apr 2020 10:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.7	0.0	99.4





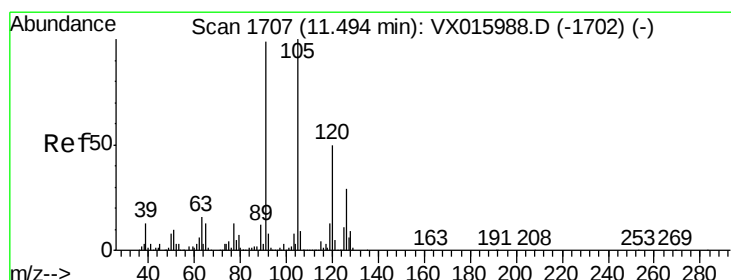
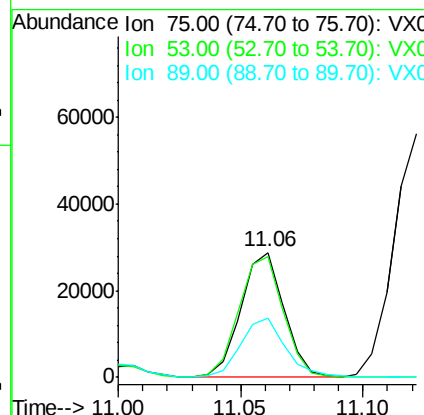
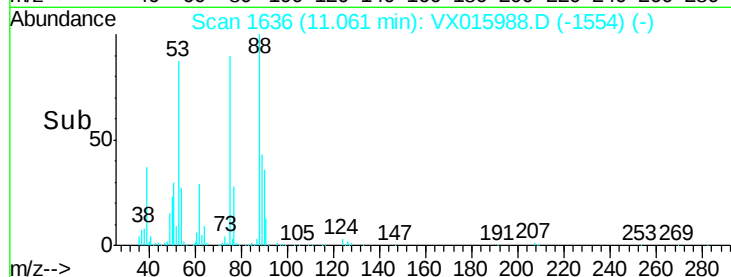
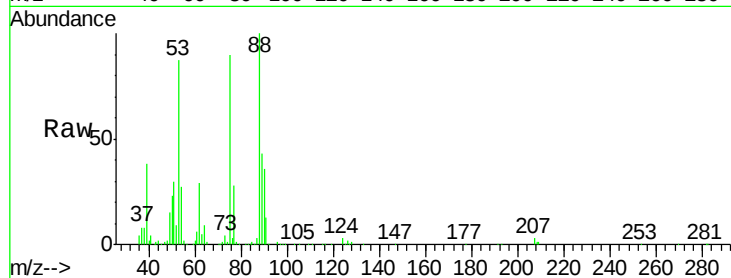
#77
t-1,4-Dichloro-2-butene
Concen: 18.397 ug/l
RT: 11.06 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VX015988.D
Acq: 30 Apr 2020 10:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.1	48.0	144.2
89	46.9	23.4	70.3

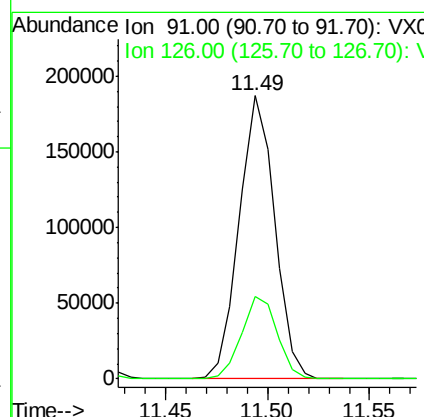
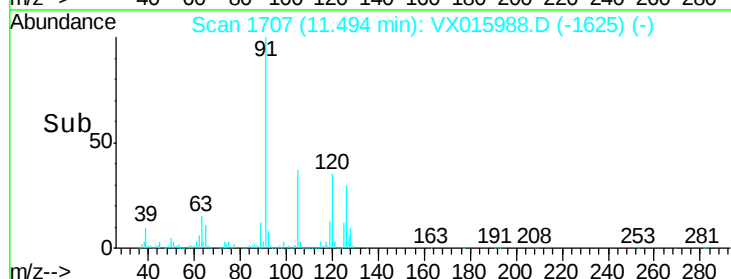
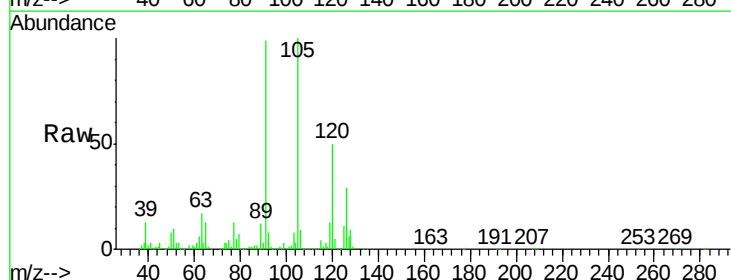
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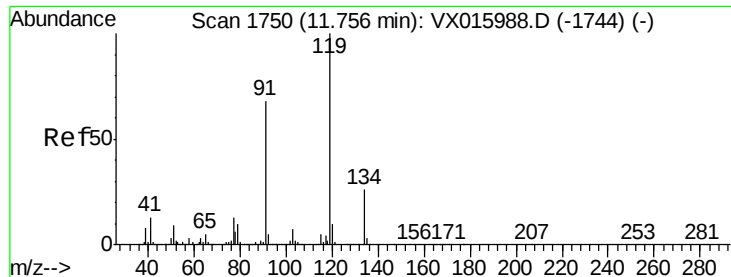
MMDadoda
5/4/2020 3:10:10 PM



#78
4-Chlorotoluene
Concen: 19.009 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VX015988.D
Acq: 30 Apr 2020 10:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.2	0.0	58.4





#79

tert-butylbenzene

Concen: 16.716 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX015988.D

Acq: 30 Apr 2020 10:54

Instrument :

MSVOA_X

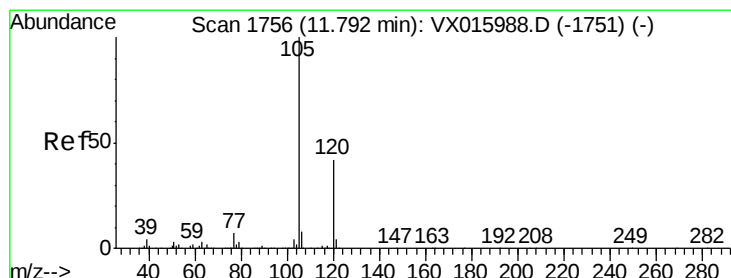
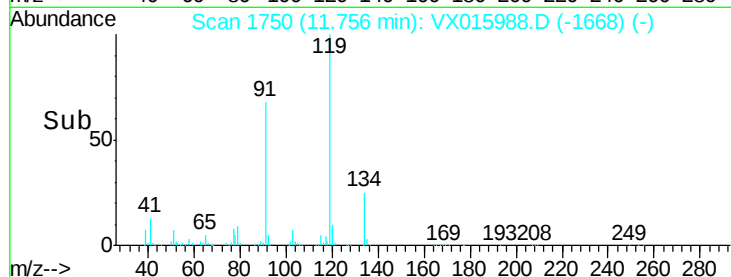
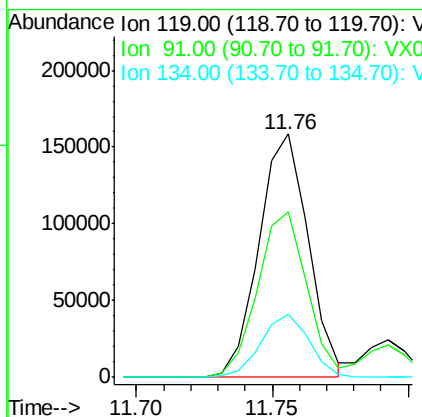
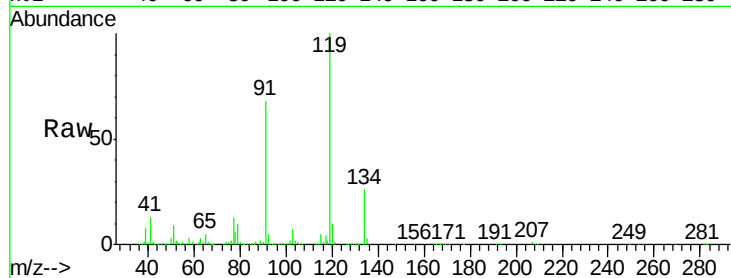
ClientSampleId :

VSTDICCC020

Tot Ion:	119	Resp:	198910
Ion Ratio	Lower	Upper	
119	100		
91	67.8	0.0	135.6
134	25.5	0.0	51.0

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#80

1,2,4-Trimethylbenzene

Concen: 18.682 ug/l

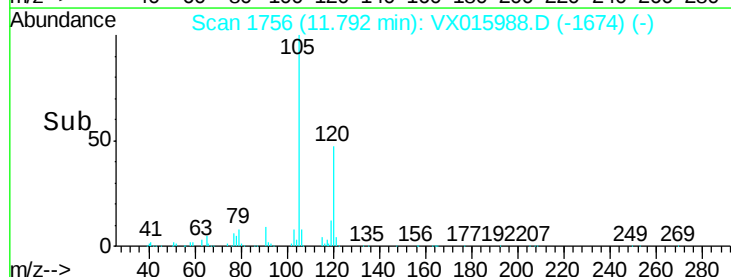
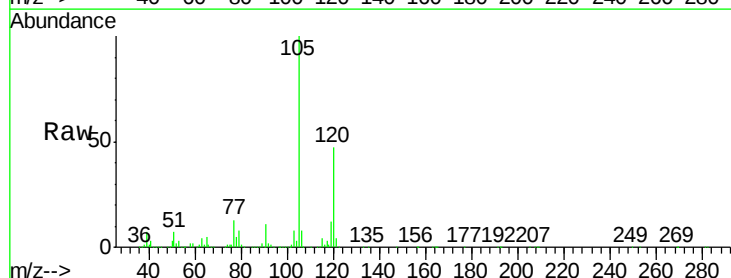
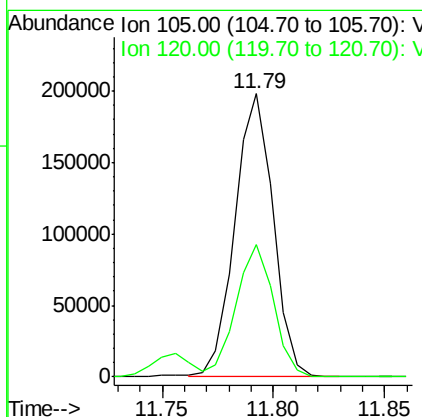
RT: 11.79 min Scan# 1756

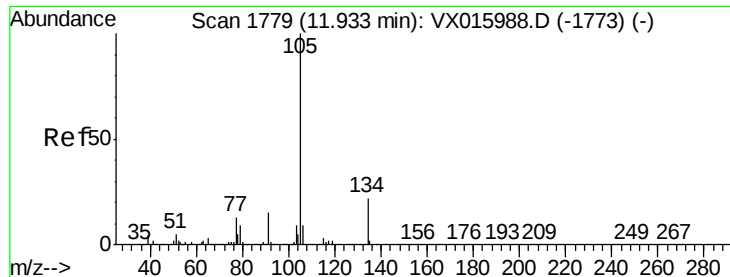
Delta R.T. 0.00 min

Lab File: VX015988.D

Acq: 30 Apr 2020 10:54

Tgt Ion:	105	Resp:	236943
Ion Ratio	Lower	Upper	
105	100		
120	45.5	0.0	91.0





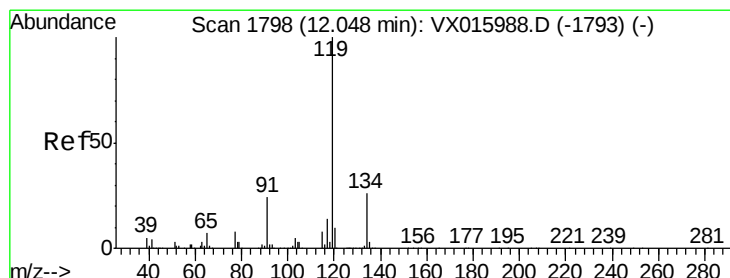
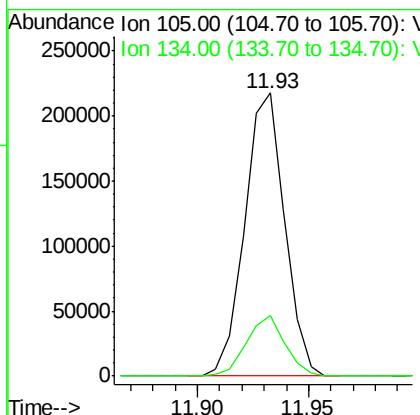
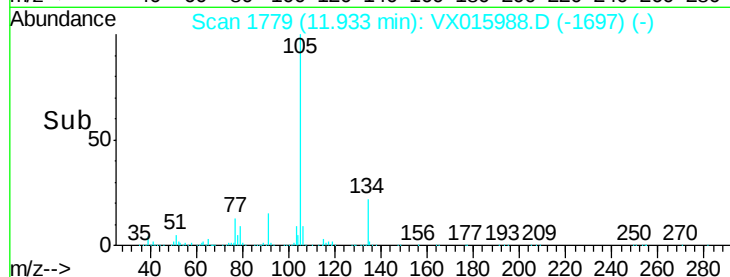
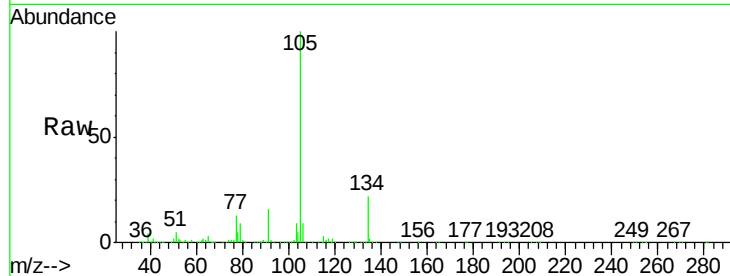
#81
 sec-Butylbenzene
 Concen: 18.801 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. 0.00 min
 Lab File: VX015988.D
 Acq: 30 Apr 2020 10:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	272331		
134	20.6	0.0	41.2	

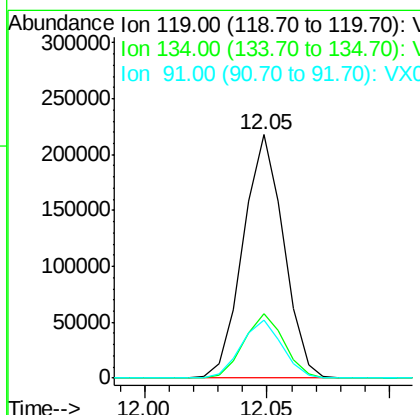
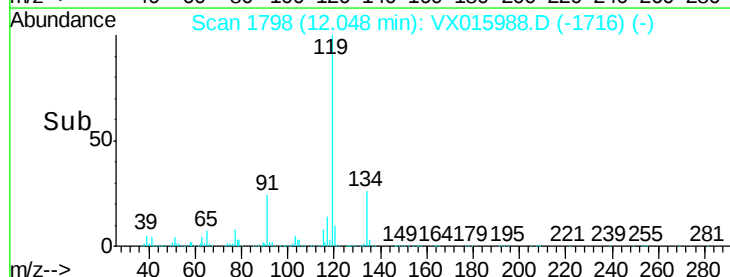
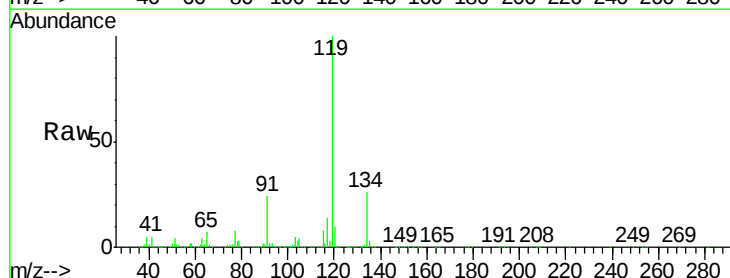
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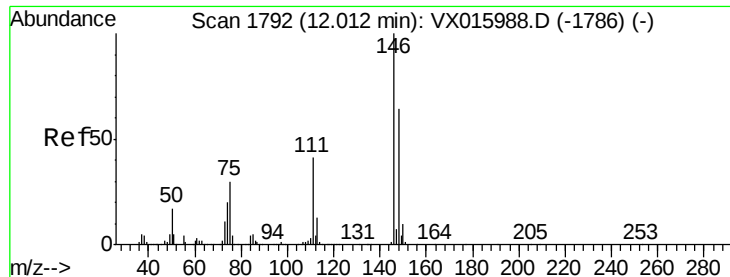
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#82
 p-Isopropyltoluene
 Concen: 18.477 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VX015988.D
 Acq: 30 Apr 2020 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	251146		
134	26.3	0.0	52.6	
91	23.8	0.0	47.6	





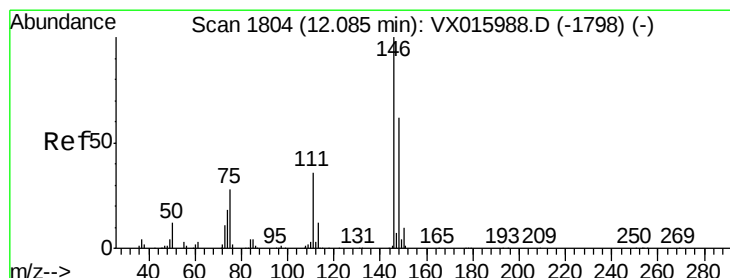
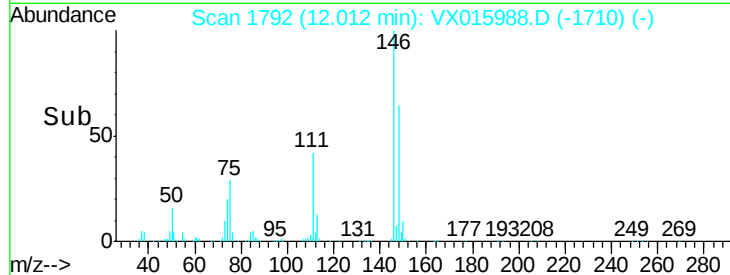
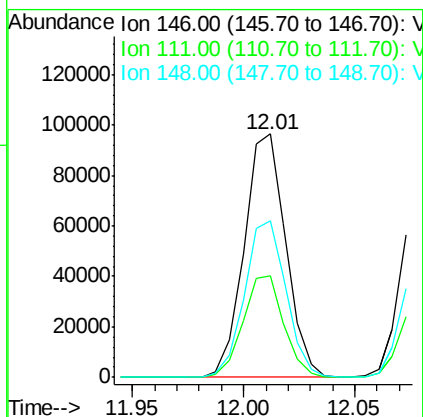
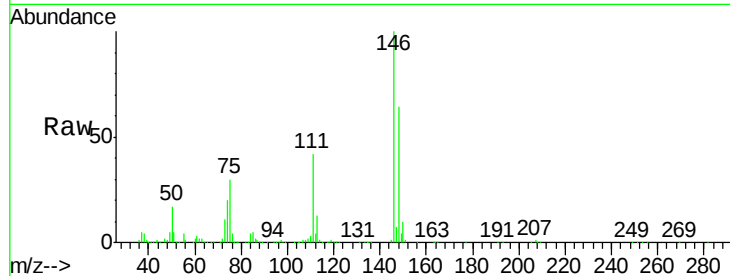
#83
 1,3-Dichlorobenzene
 Concen: 17.947 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX015988.D
 Acq: 30 Apr 2020 10:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.4	61.3
148	63.9	31.9	95.9

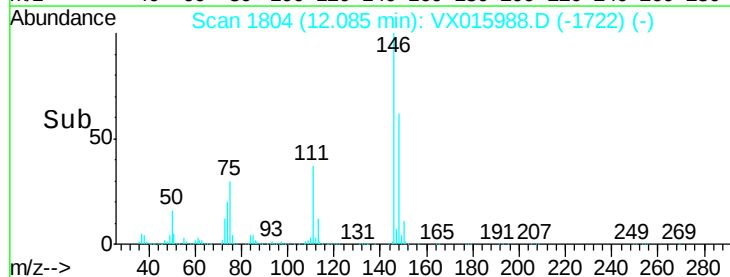
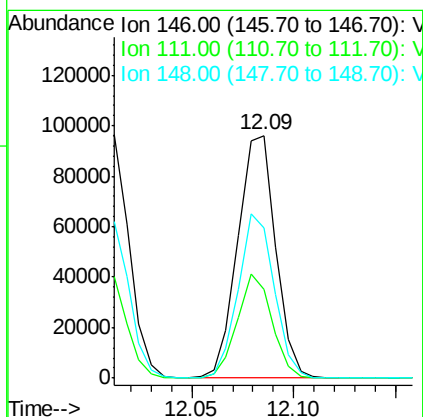
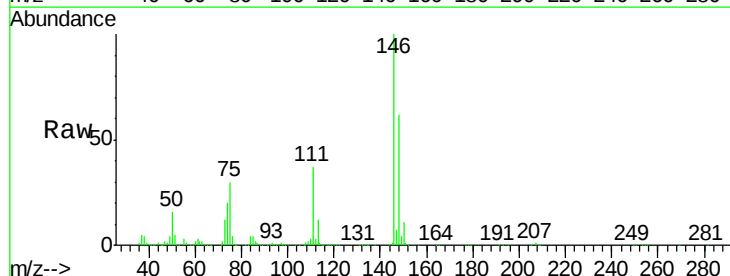
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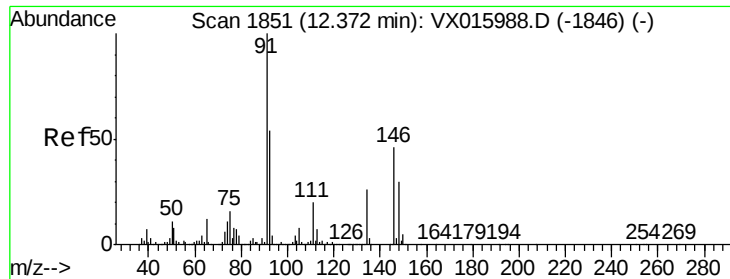
MMDadoda
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#84
 1,4-Dichlorobenzene
 Concen: 17.887 ug/l
 RT: 12.09 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VX015988.D
 Acq: 30 Apr 2020 10:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.0
148	64.0	32.0	96.0





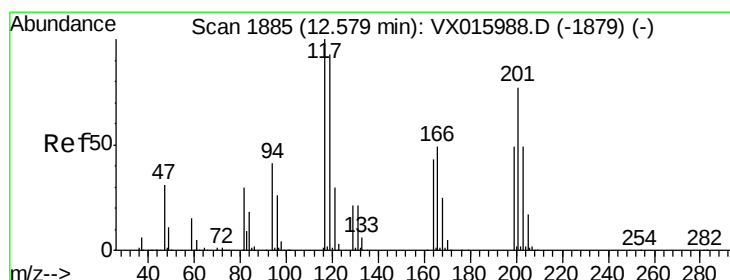
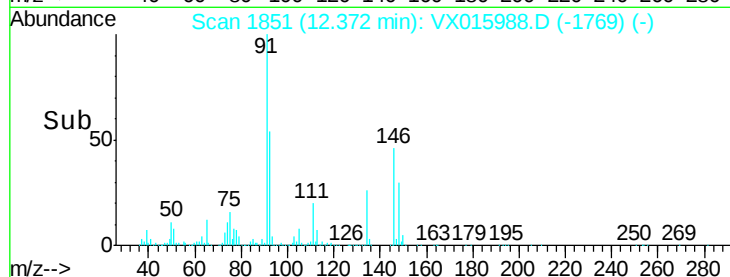
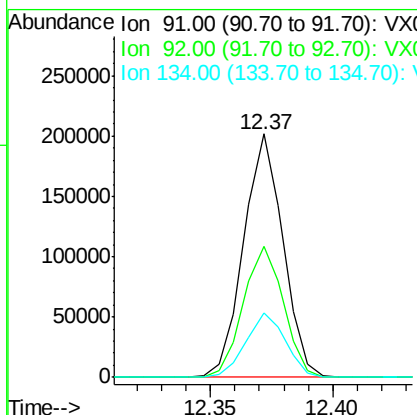
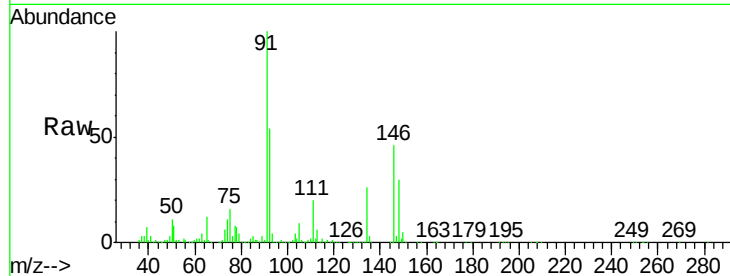
#85
n-Butylbenzene
Concen: 18.587 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX015988.D
Acq: 30 Apr 2020 10:54

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	226108		
92	55.1	0.0	110.2	
134	26.7	0.0	53.4	

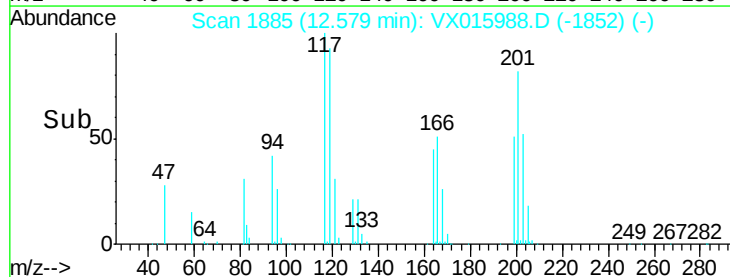
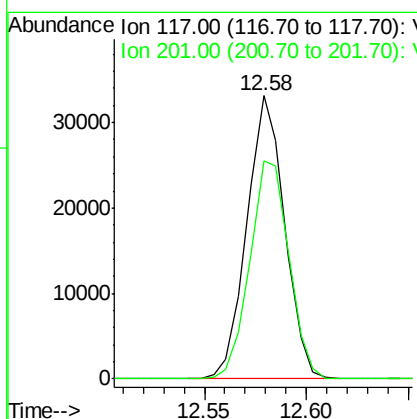
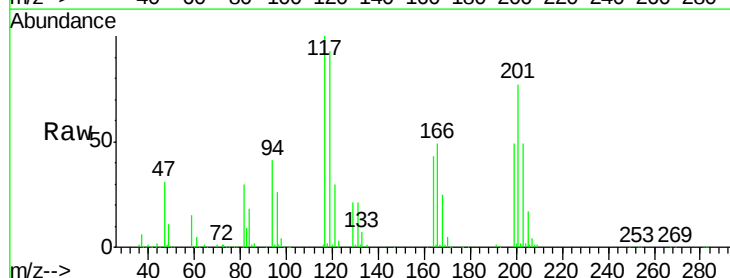
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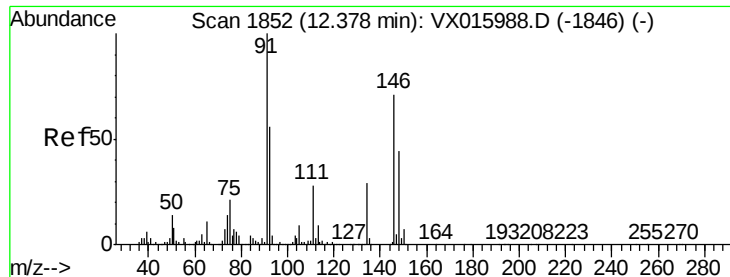
MMDadoda
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#86
Hexachloroethane
Concen: 16.817 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX015988.D
Acq: 30 Apr 2020 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	42563		
201	80.1	40.1	120.2	





#87

1,2-Dichlorobenzene

Concen: 18.200 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VX015988.D

Acq: 30 Apr 2020 10:54

Instrument :

MSVOA_X

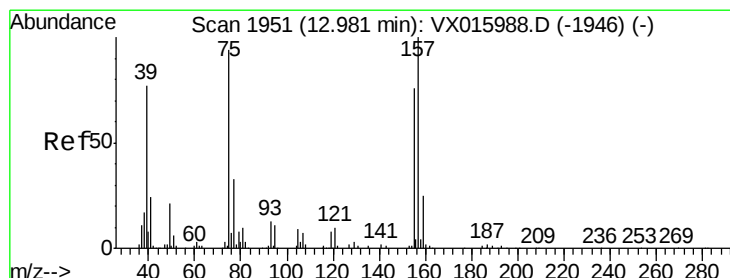
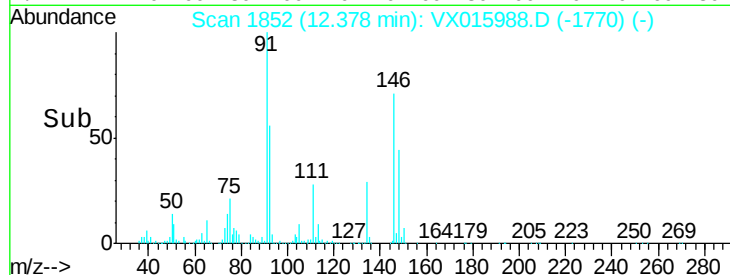
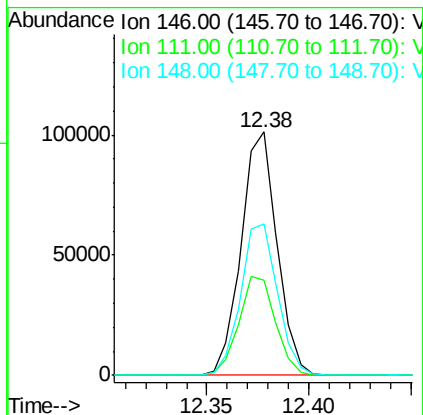
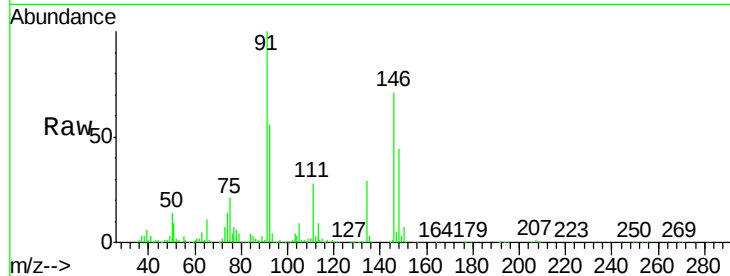
ClientSampled :

VSTDICCC020

Tot Ion:	146	Resp:	123767
Ion Ratio	Lower	Upper	
146	100		
111	41.4	20.7	62.1
148	64.1	32.0	96.2

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#88

1,2-Dibromo-3-Chloropropane

Concen: 17.530 ug/l

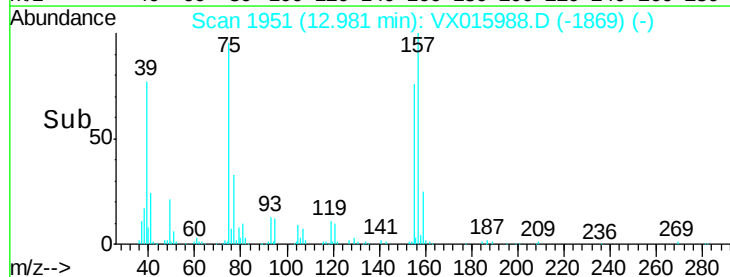
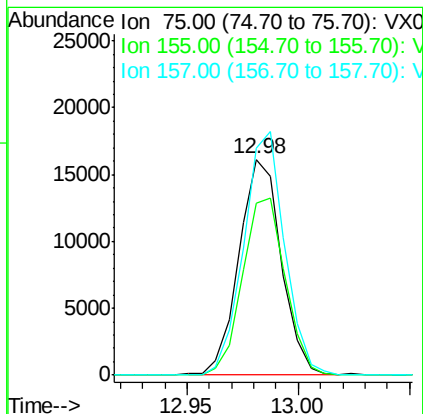
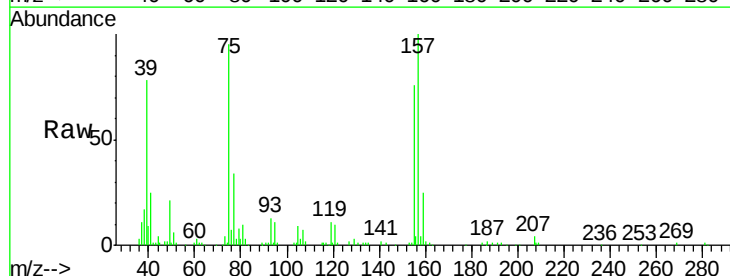
RT: 12.98 min Scan# 1951

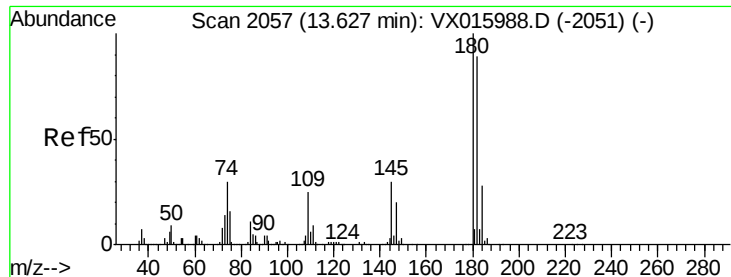
Delta R.T. 0.00 min

Lab File: VX015988.D

Acq: 30 Apr 2020 10:54

Tgt Ion:	75	Resp:	21228
Ion Ratio	Lower	Upper	
75	100		
155	83.6	66.9	100.3
157	110.2	88.2	132.2





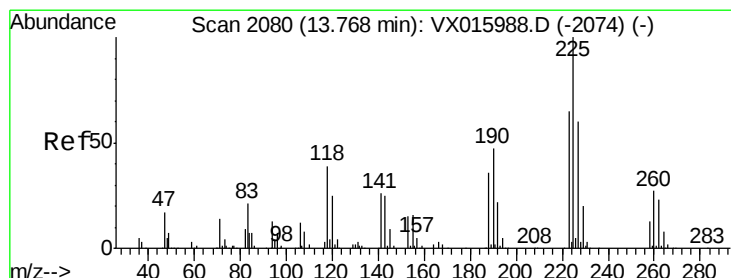
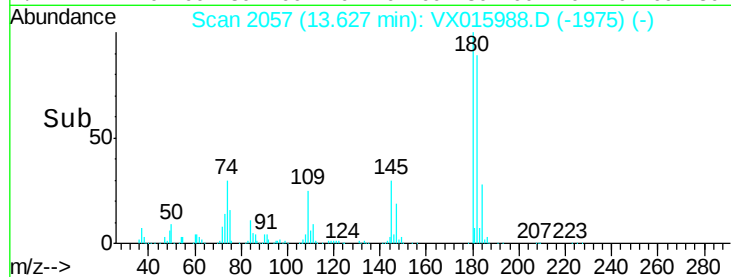
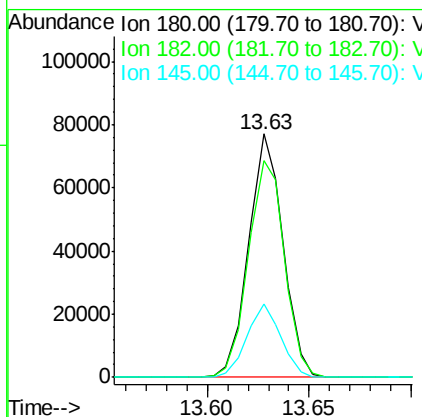
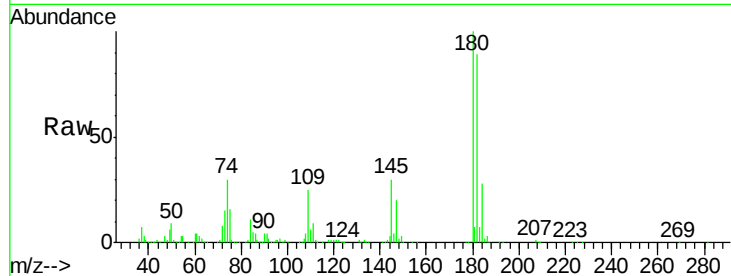
#89
1,2,4-Trichlorobenzene
Concen: 16.853 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. 0.00 min
Lab File: VX015988.D
Acq: 30 Apr 2020 10:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	75.0	112.6
145	29.9	23.9	35.9

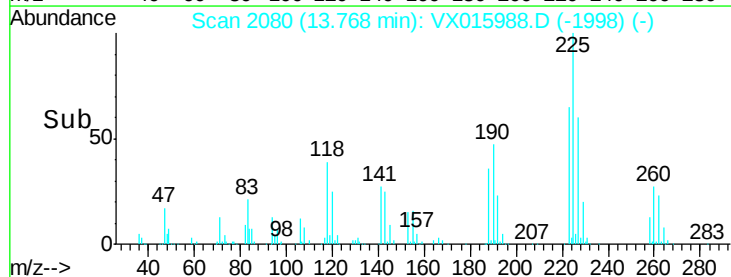
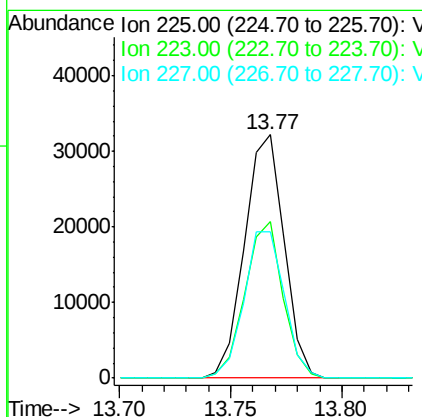
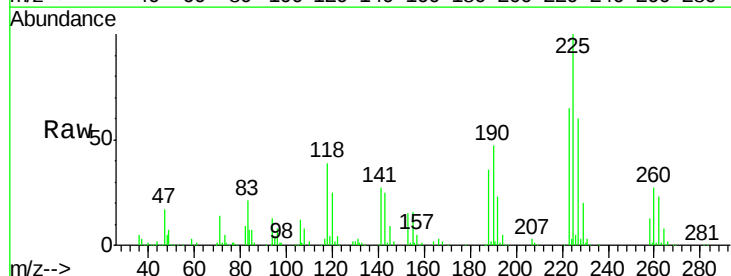
Manual Integrations
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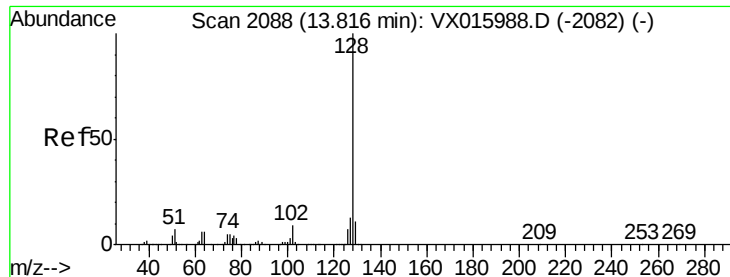
MMDadoda
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#90
Hexachlorobutadiene
Concen: 14.903 ug/l
RT: 13.77 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX015988.D
Acq: 30 Apr 2020 10:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	0.0	123.6
227	61.8	0.0	123.6





#91

Naphthalene

Concen: 18.404 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX015988.D

Acq: 30 Apr 2020 10:54

Instrument :

MSVOA_X

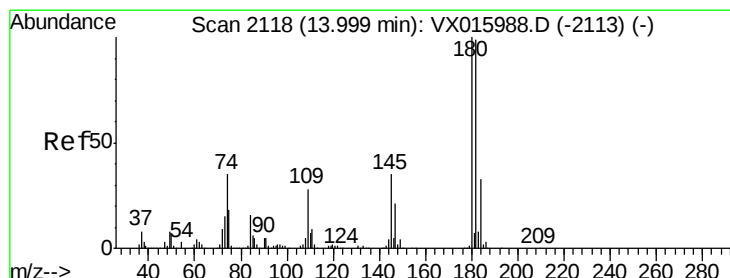
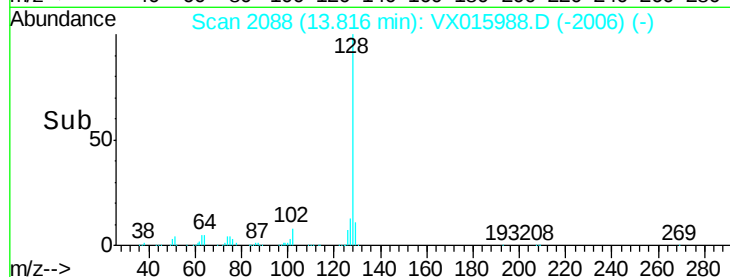
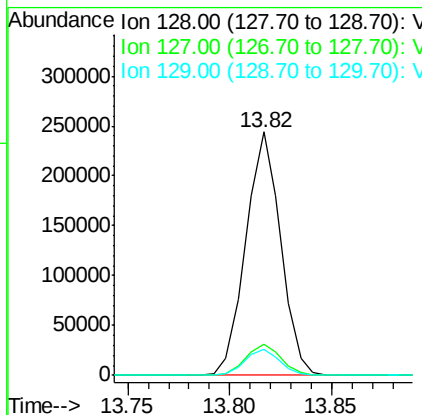
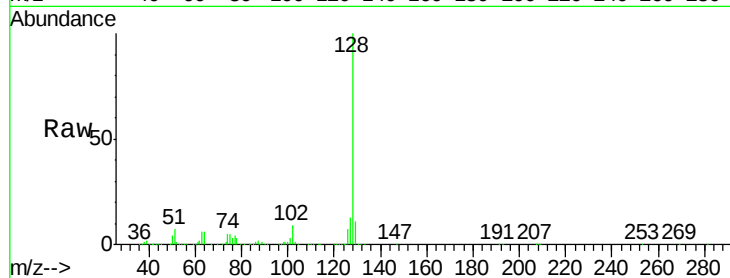
ClientSampleId :

VSTDICCC020

Tot Ion:	128	Resp:	290340
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.5	15.7
129	10.8	8.6	13.0

Manual Integrations
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#92

1,2,3-Trichlorobenzene

Concen: 16.474 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VX015988.D

Acq: 30 Apr 2020 10:54

Tgt Ion:	180	Resp:	85973
Ion Ratio	Lower	Upper	
180	100		
182	98.6	0.0	197.2
145	33.0	0.0	66.0

