

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041119\
 Data File : VN054989.D
 Acq On : 11 Apr 2019 20:42
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 4/12/2019 1:42:11 PM

Quant Time: Apr 12 08:46:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N041119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 12 07:55:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	75680	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	413066	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	355167	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	174358	30.23	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.77%
60) 4-Bromofluorobenzene	12.40	95	161131	29.14	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.13%
63) Toluene-d8	10.09	98	522683	30.95	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.17%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	83293	18.713	ug/l 97
3) Chloromethane	2.06	50	120643	20.064	ug/l 97
4) Vinyl Chloride	2.19	62	105691	20.327	ug/l 99
5) Bromomethane	2.57	94	61977	20.607	ug/l 92
6) Chloroethane	2.71	64	57503	19.747	ug/l 99
7) Trichlorofluoromethane	3.02	101	131200	19.746	ug/l 94
8) Diethyl Ether	3.41	74	43623	20.448	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	70881	19.516	ug/l 98
10) 1,1-Dichloroethene	3.73	96	65603	19.536	ug/l 97
11) Methyl Iodide	3.94	142	99489	19.578	ug/l 100
12) Methyl Acetate	4.33	43	87657	21.223	ug/l 97
13) Acrolein	3.61	56	34650	95.720	ug/l 95
14) Acrylonitrile	4.99	53	170957	101.027	ug/l 99
15) Acetone	3.82	58	32479	77.564	ug/l 92
16) Carbon Disulfide	4.04	76	212050	18.826	ug/l 97
17) Allyl chloride	4.32	41	164437	19.885	ug/l 99
18) Methylene Chloride	4.55	84	97046	19.551	ug/l 98
19) trans-1,2-Dichloroethene	5.04	96	86958	19.893	ug/l 97
20) Diisopropyl ether	5.96	45	336828	20.106	ug/l 98
21) 1,1-Dichloroethane	5.85	63	180942	20.222	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	100350	19.750	ug/l 98
23) tert-Butyl Alcohol	4.82	59	27690	102.623	ug/l # 100
24) Methyl tert-Butyl Ether	5.06	73	236657	20.989	ug/l # 69
25) Chloroform	7.37	83	172630	20.141	ug/l 97
26) Cyclohexane	7.65	56	160514	19.334	ug/l # 98
29) 1,1-Dichloropropene	7.79	75	126966	19.737	ug/l 98
30) 2-Butanone	6.85	43	200407	93.850	ug/l 99
31) 2,2-Dichloropropane	6.82	77	108538	18.331	ug/l # 100
32) 1,1,1-Trichloroethane	7.57	97	137757	20.260	ug/l 98
33) Carbon Tetrachloride	7.77	117	114933	19.523	ug/l 97
34) Benzene	8.04	78	377524	19.803	ug/l 99
35) Methacrylonitrile	7.18	41	46546	18.494	ug/l 95
36) 1,2-Dichloroethane	8.12	62	133032	20.418	ug/l 100
37) Trichloroethene	8.83	130	96605	19.878	ug/l 92
38) Methylcyclohexane	9.08	83	138285	18.536	ug/l 99
39) 1,2-Dichloropropane	9.12	63	106125	20.161	ug/l 100
40) Dibromomethane	9.21	93	60169	20.223	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	121292	19.752	ug/l	98
42) Vinyl Acetate	5.90	43	1084484	100.457	ug/l	100
43) Ethyl Acetate	6.94	43	86548	19.895	ug/l	99
44) Isopropyl Acetate	8.17	43	149092	20.223	ug/l	99
45) 1,4-Dioxane	9.20	88	15944	390.368	ug/l #	85
46) Methyl methacrylate	9.20	41	73009	19.144	ug/l	96
47) n-amyl Acetate	12.07	43	106553	19.623	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	105103	18.639	ug/l	95
49) cis-1,3-Dichloropropene	9.84	75	135199	19.422	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	83454	20.651	ug/l	96
51) Ethyl methacrylate	10.43	69	94876	19.695	ug/l	99
52) 1,3-Dichloropropane	10.71	76	143766	20.302	ug/l	99
53) Dibromochloromethane	10.90	129	80814	19.414	ug/l	99
54) 1,2-Dibromoethane	11.00	107	75928	20.013	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	188797	93.746	ug/l	99
56) Bromoform	12.13	173	48060	18.374	ug/l #	98
58) 4-Methyl-2-Pentanone	9.99	43	431519	105.356	ug/l	100
59) 2-Hexanone	10.75	43	260704	100.194	ug/l	99
61) Tetrachloroethene	10.63	164	91202	19.732	ug/l	94
62) Toluene	10.16	91	397410	20.308	ug/l	98
64) Chlorobenzene	11.43	112	236249	19.997	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	85179	20.272	ug/l	99
66) Ethyl Benzene	11.51	91	422040	20.118	ug/l	99
67) m/p-Xylenes	11.62	106	313376	40.189	ug/l	98
68) o-Xylene	11.95	106	152913	19.844	ug/l	98
69) Styrene	11.96	104	231489	19.346	ug/l	98
70) Isopropylbenzene	12.25	105	415229	20.154	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	98283	20.857	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	86090m	22.122	ug/l	
73) Bromobenzene	12.53	156	97423	20.006	ug/l	98
74) n-propylbenzene	12.59	91	448552	19.447	ug/l	99
75) 2-Chlorotoluene	12.67	91	275966	19.838	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	325817	19.561	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	17138	17.471	ug/l	96
78) 4-Chlorotoluene	12.77	91	255599	19.284	ug/l	100
79) tert-butylbenzene	12.99	119	284909	19.768	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	322240	19.693	ug/l	99
81) sec-Butylbenzene	13.17	105	374450	19.444	ug/l	99
82) p-Isopropyltoluene	13.29	119	306325	18.848	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	155040	19.031	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	145779	18.830	ug/l	97
85) n-Butylbenzene	13.61	91	220033	16.996	ug/l	100
86) Hexachloroethane	13.87	117	47730	18.345	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	160365	20.100	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	12350	19.719	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	57419	16.097	ug/l	94
90) Hexachlorobutadiene	15.01	225	44747	17.206	ug/l	99
91) Naphthalene	15.13	128	126930	16.994	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	62025	17.387	ug/l	96

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QLast Update : Fri Apr 12 07:55:25 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

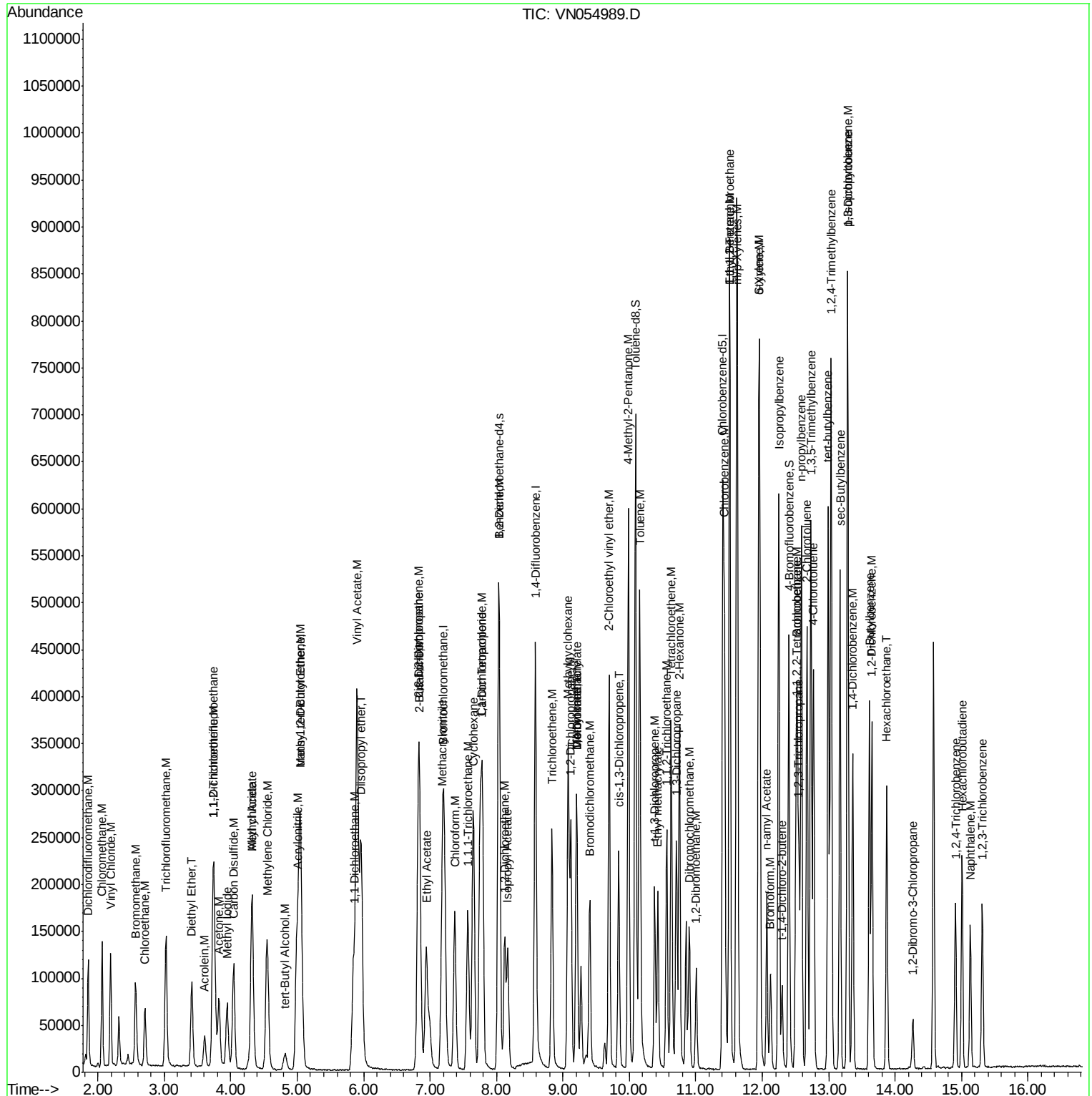
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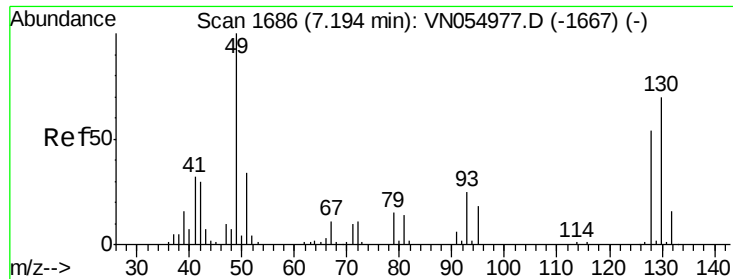
Instrument :
MSVOA_N
Client Sample ID :
VSTDCCC020EC

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN054989.D

Acq: 11 Apr 2019 20:42

Instrument :

MSVOA_N

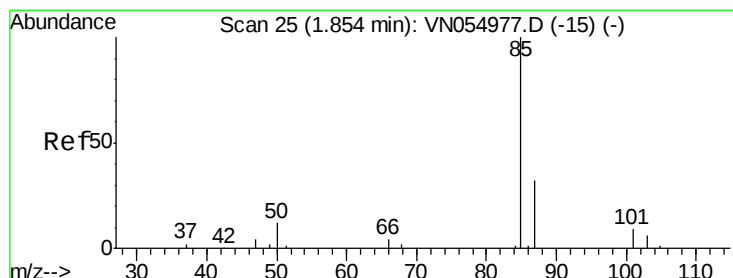
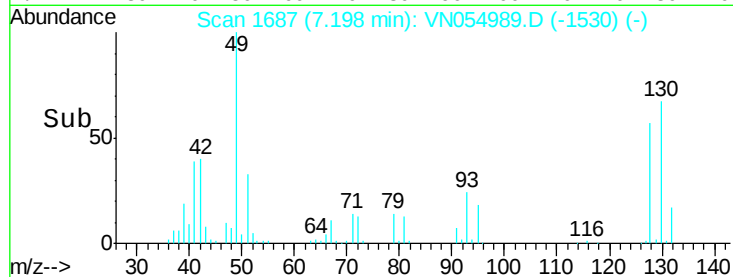
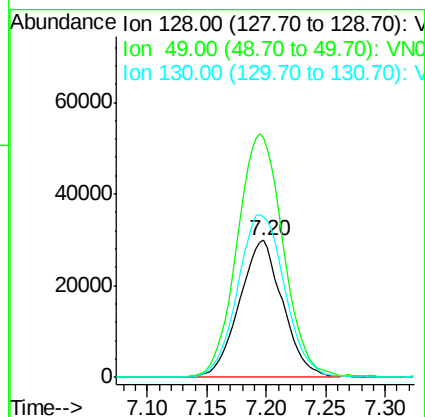
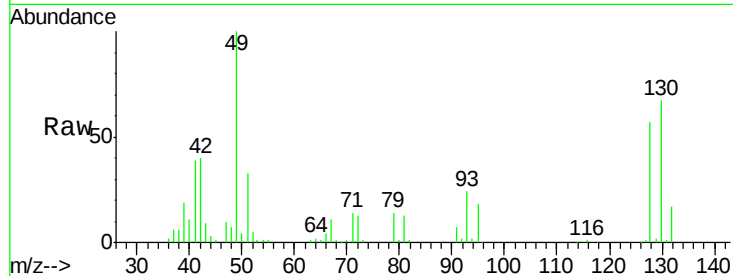
ClientSampleId :

VSTDCCC020EC

Tot Ion:	128	Resp:	75680
Ion	Ratio	Lower	Upper
128	100		
49	187.9	0.0	480.3
130	128.7	0.0	322.2

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 18.713 ug/l

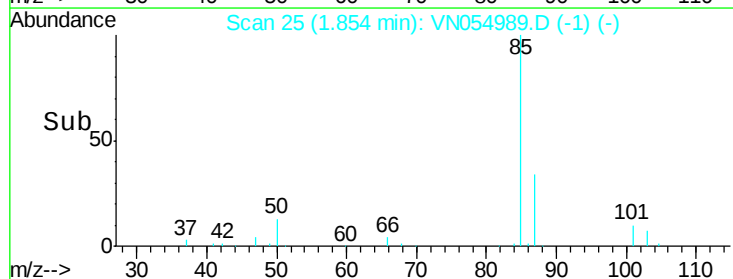
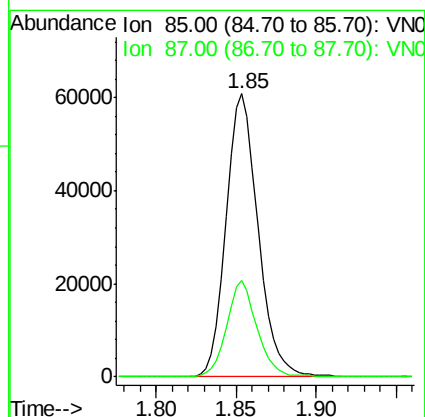
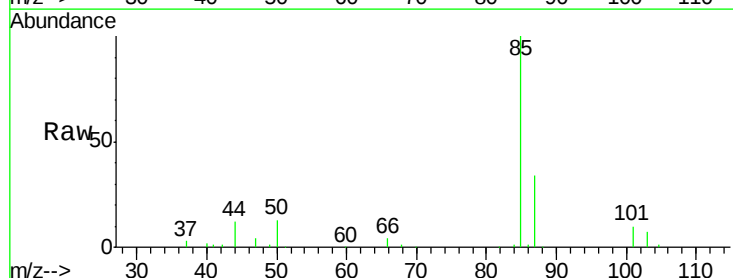
RT: 1.85 min Scan# 25

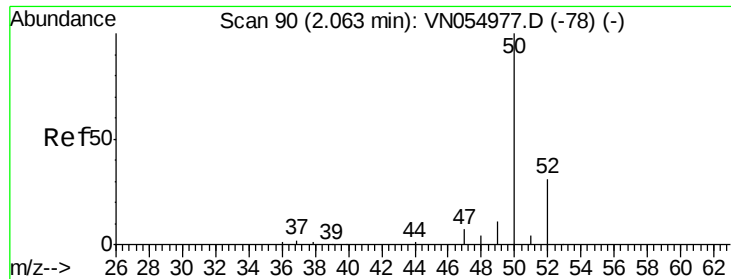
Delta R.T. 0.00 min

Lab File: VN054989.D

Acq: 11 Apr 2019 20:42

Tgt Ion:	85	Resp:	83293
Ion	Ratio	Lower	Upper
85	100		
87	34.0	16.1	48.3





#3

Chloromethane

Concen: 20.064 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054989.D

Acq: 11 Apr 2019 20:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 120643

Ion Ratio Lower Upper

50 100

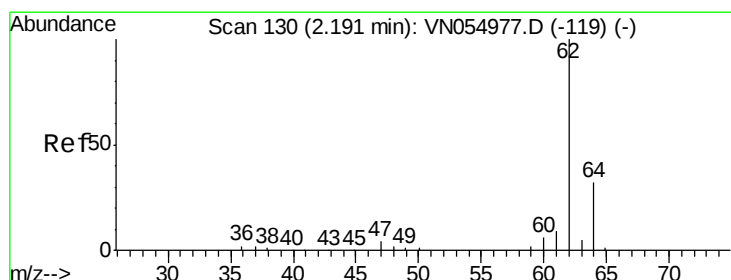
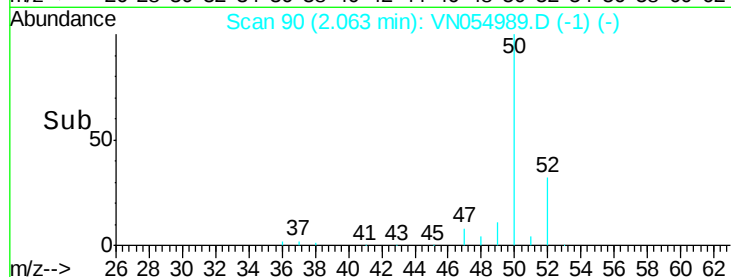
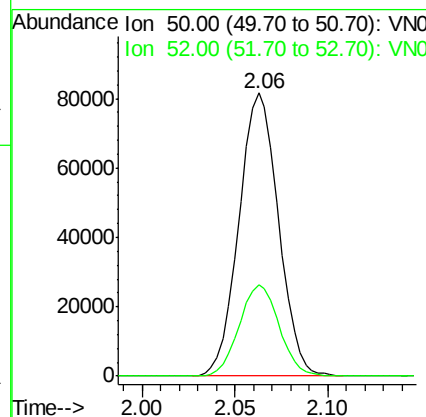
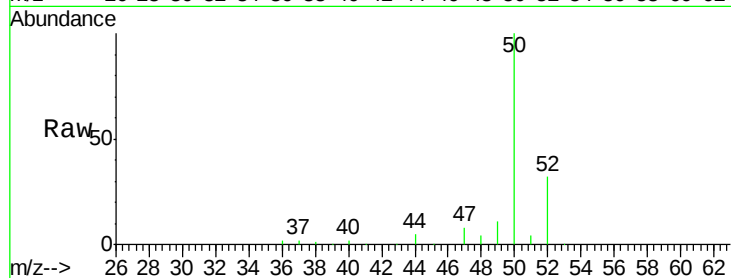
52 32.2 24.5 36.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.327 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054989.D

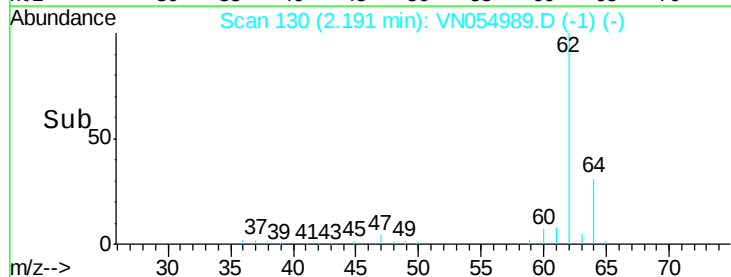
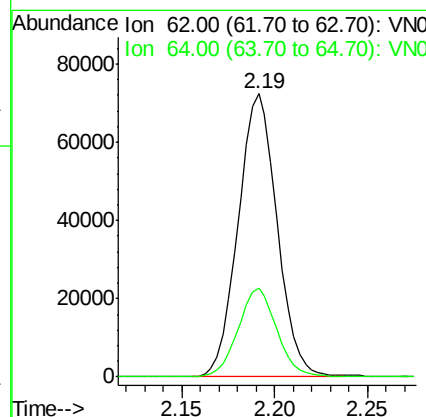
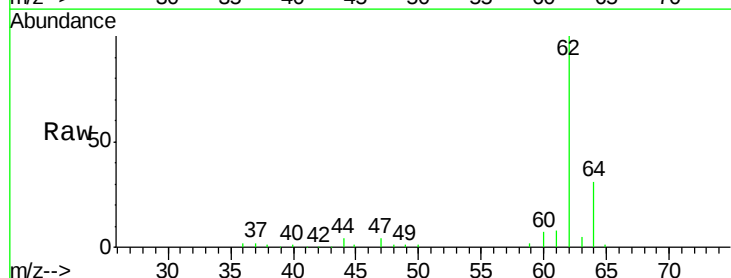
Acq: 11 Apr 2019 20:42

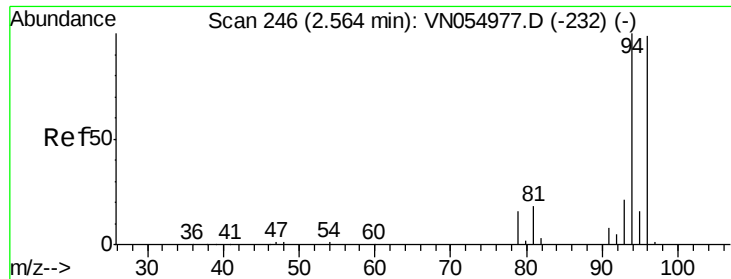
Tgt Ion: 62 Resp: 105691

Ion Ratio Lower Upper

62 100

64 31.3 25.6 38.4





#5

Bromomethane

Concen: 20.607 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN054989.D

Acq: 11 Apr 2019 20:42

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 61977

Ion Ratio Lower Upper

94 100

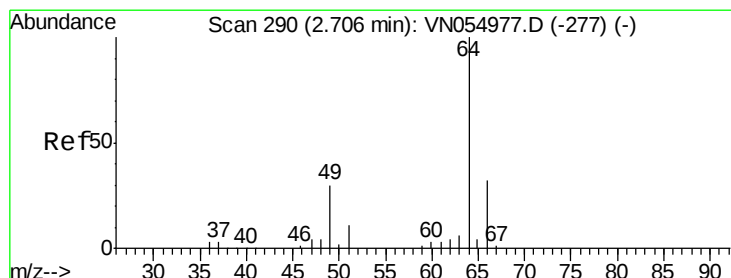
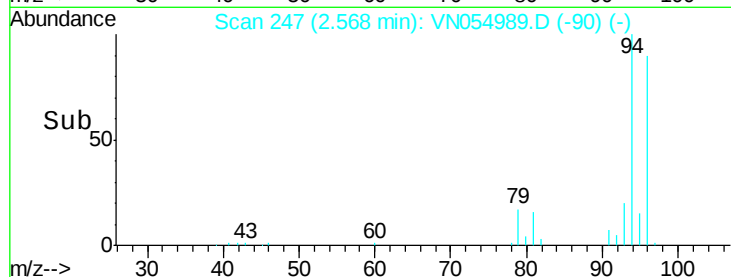
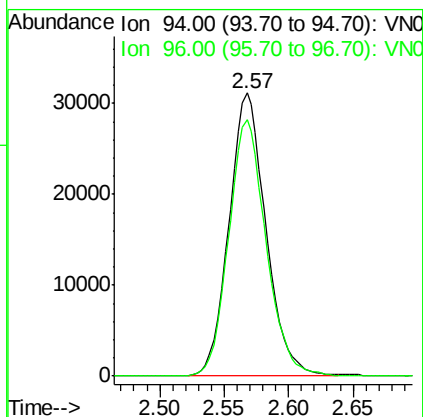
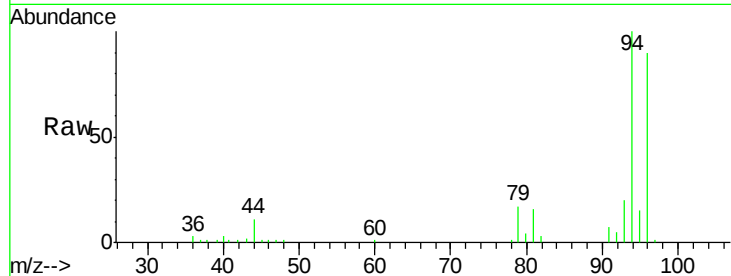
96 90.5 79.1 118.7

Manual Integrations

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#6

Chloroethane

Concen: 19.747 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054989.D

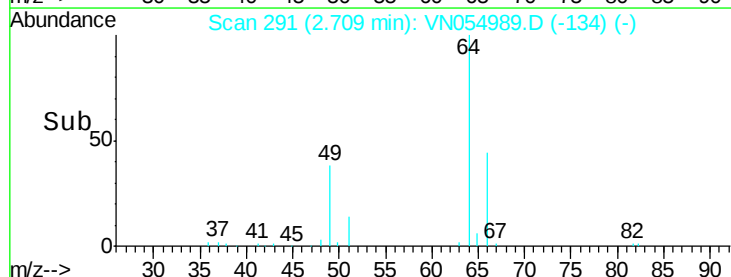
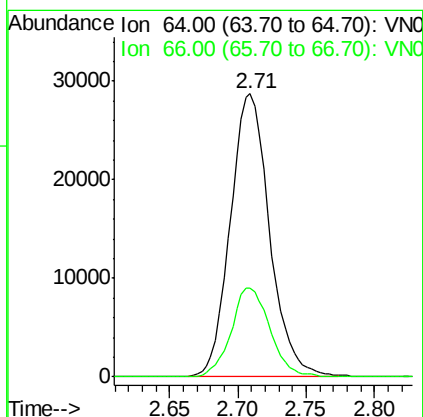
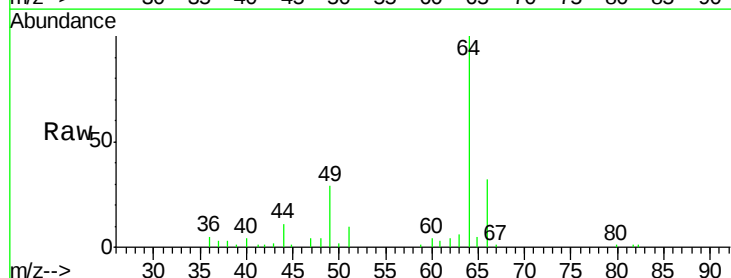
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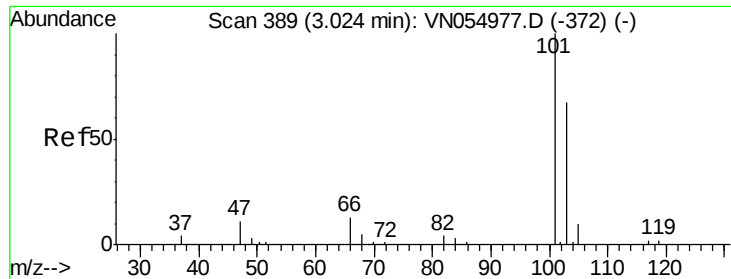
Tgt Ion: 64 Resp: 57503

Ion Ratio Lower Upper

64 100

66 31.5 25.7 38.5





#7

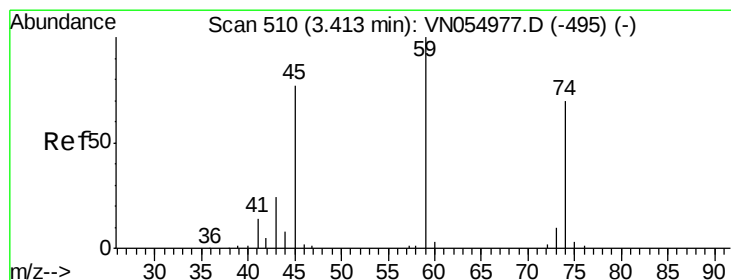
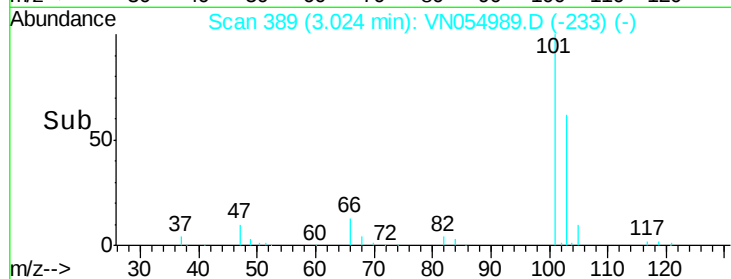
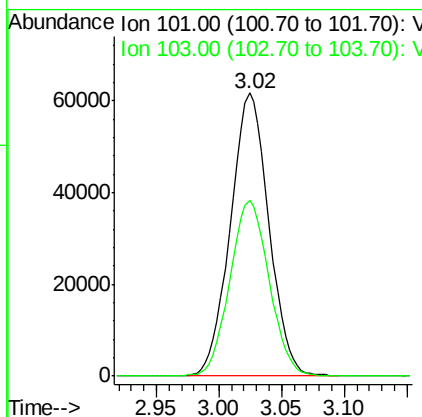
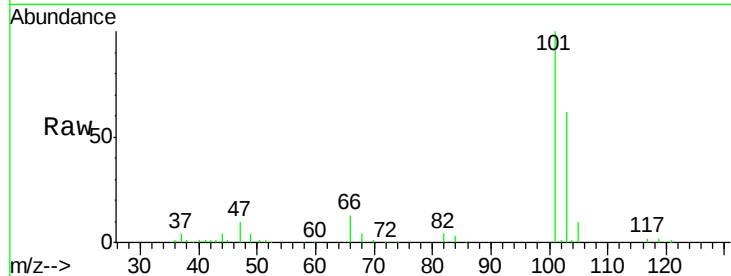
Trichlorofluoromethane
 Concen: 19.746 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.9	53.4	80.0

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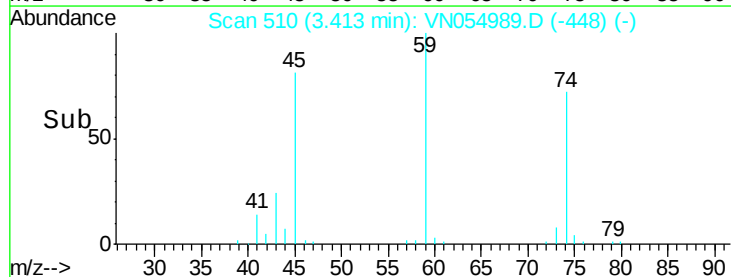
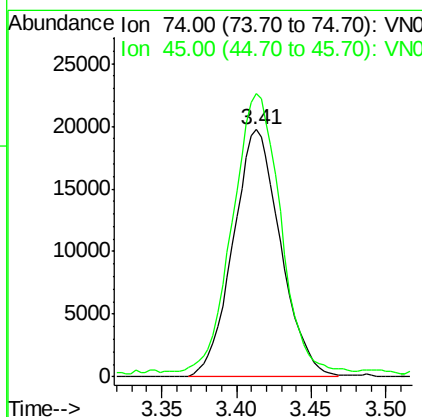
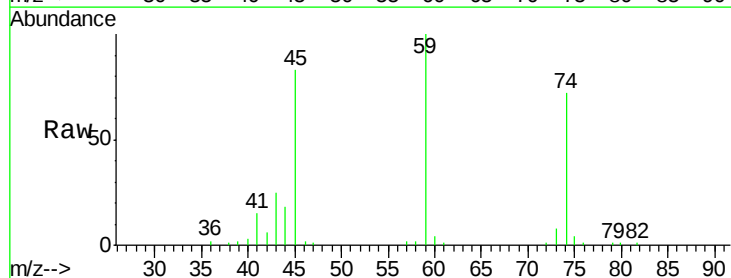
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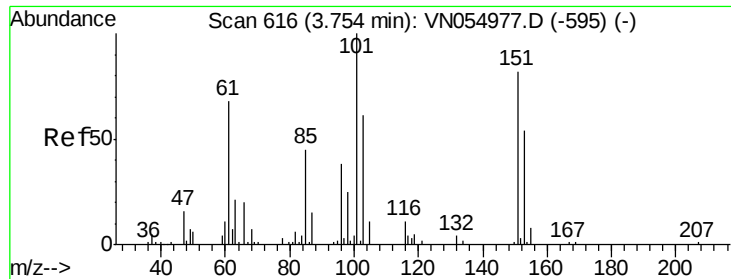


#8

Diethyl Ether
 Concen: 20.448 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.7	22.9	205.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.516 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054989.D

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Instrument :

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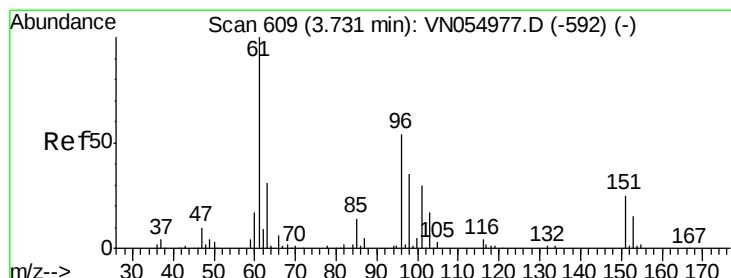
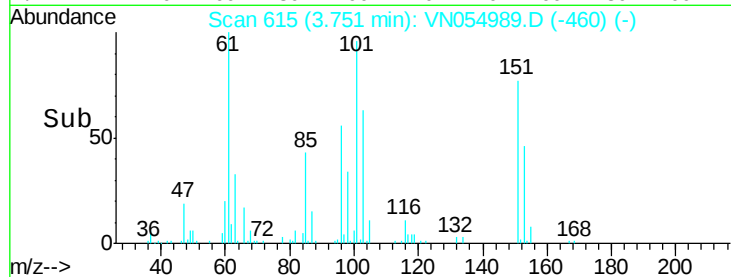
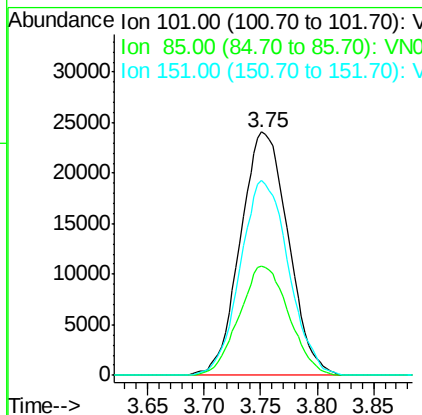
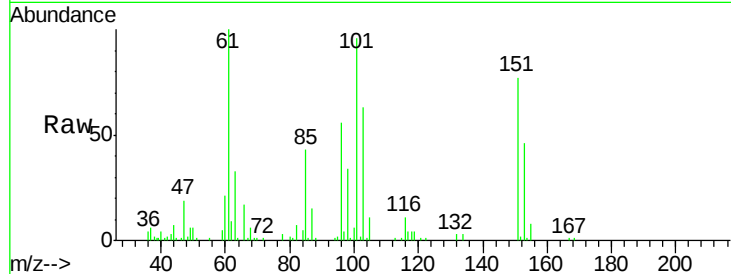
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	70881
Ion Ratio	Lower	Upper	
101	100		
85	46.4	0.0	91.4
151	80.9	0.0	165.6

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#10

1,1-Dichloroethene

Concen: 19.536 ug/l

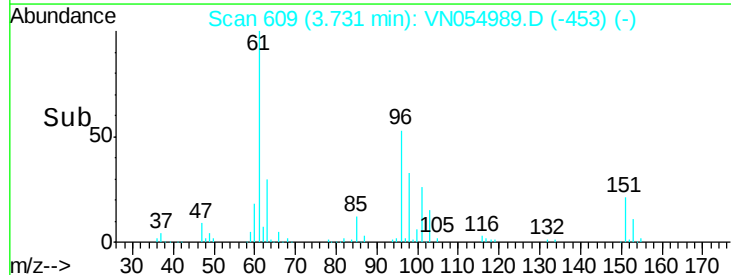
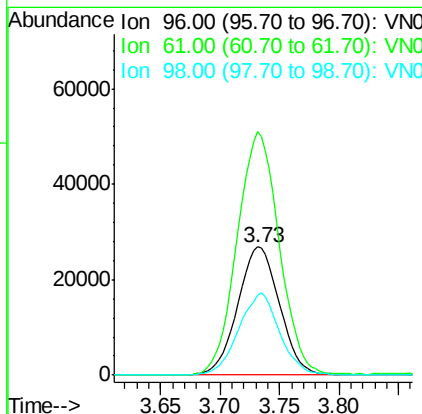
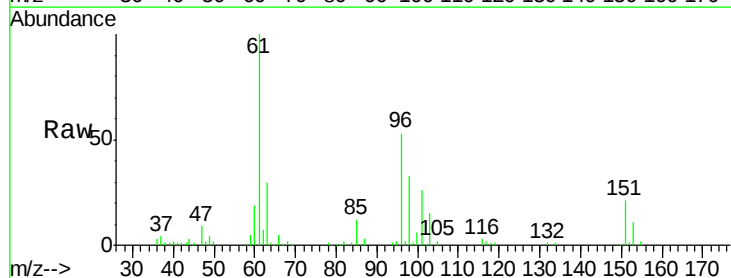
RT: 3.73 min Scan# 609

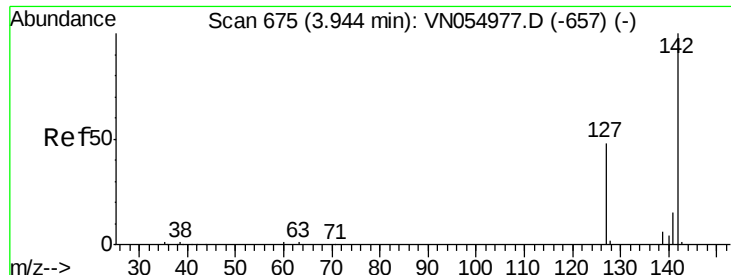
Delta R.T. 0.00 min

Lab File: VN054989.D

Acq: 11 Apr 2019 20:42

Tgt Ion:	96	Resp:	65603
Ion Ratio	Lower	Upper	
96	100		
61	189.3	148.4	222.6
98	62.2	52.2	78.2





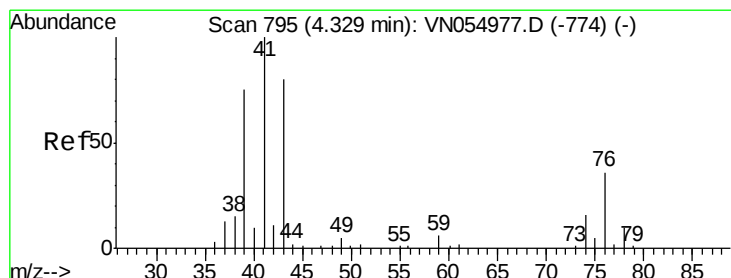
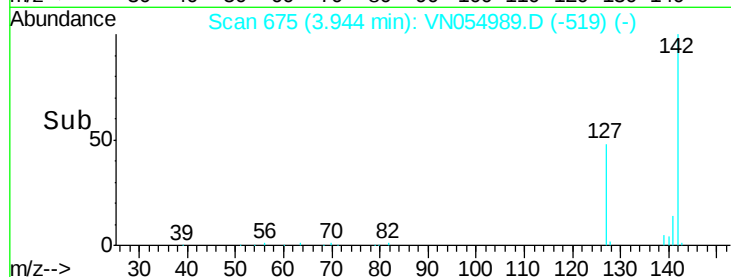
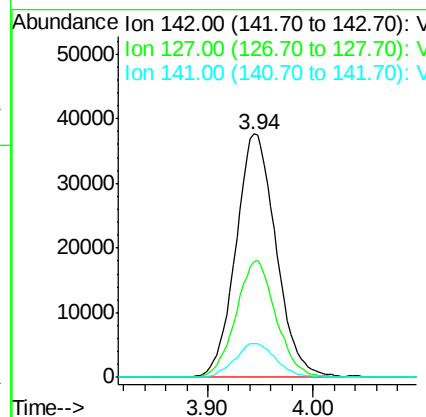
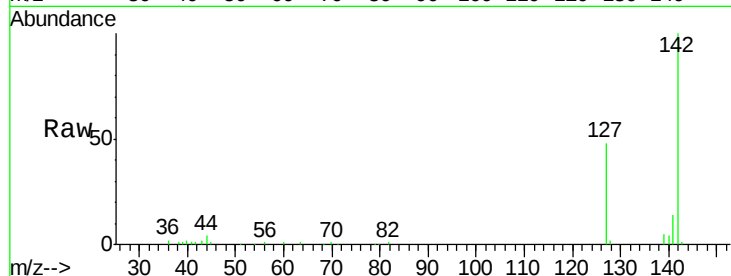
#11
Methvl Iodide
Concen: 19.578 ug/l
RT: 3.94 min Scan# 675
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	47.7	23.8	71.5
141	13.9	7.3	22.0

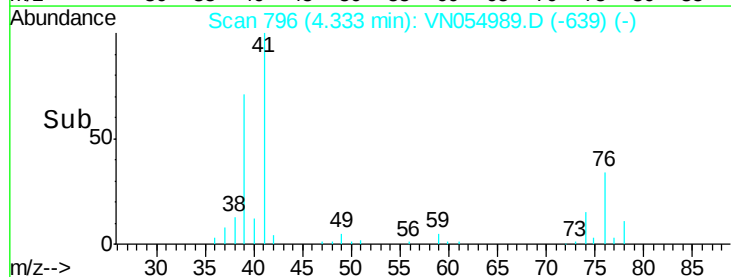
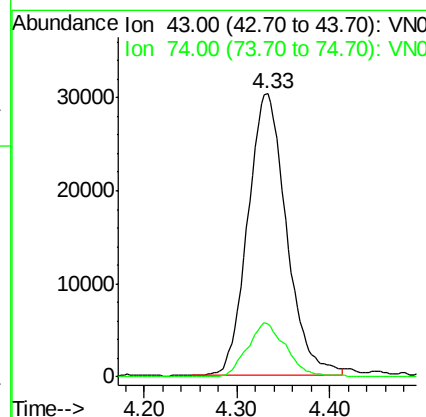
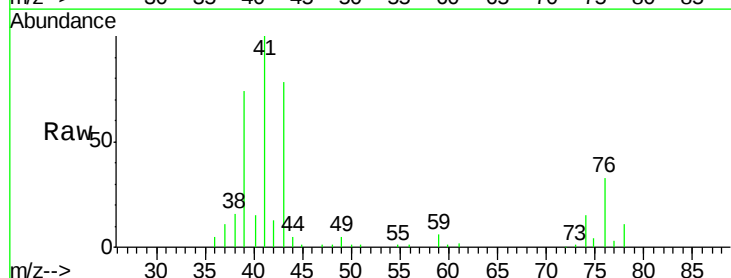
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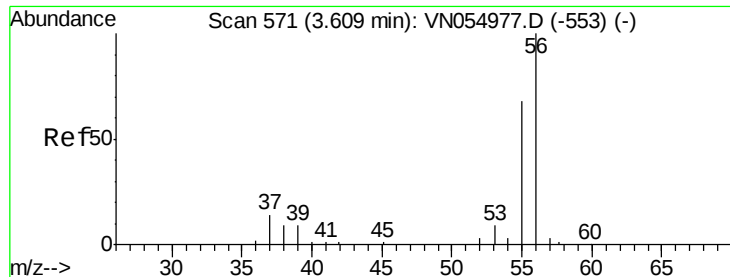
MMDadoda
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#12
Methyl Acetate
Concen: 21.223 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.8	16.2	24.4





#13

Acrolein

Concen: 95.720 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054989.D

Acq: 11 Apr 2019 20:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 34650

Ion Ratio Lower Upper

56 100

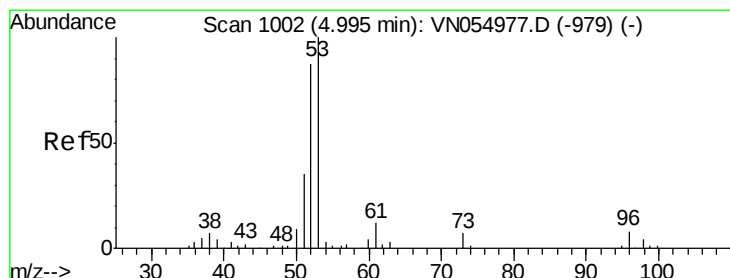
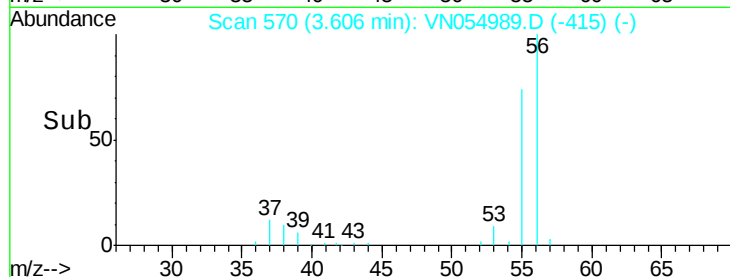
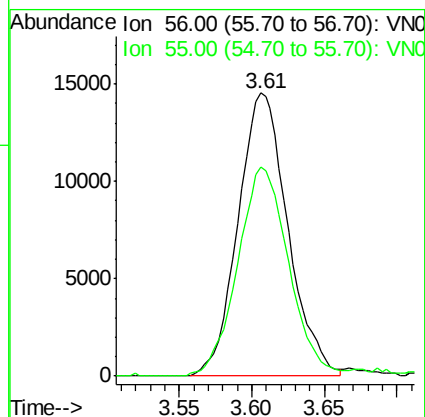
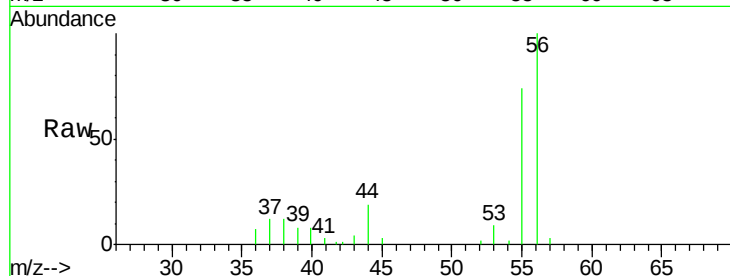
55 75.7 57.0 85.4

Manual Integrations

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#14

Acrylonitrile

Concen: 101.027 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN054989.D

Acq: 11 Apr 2019 20:42

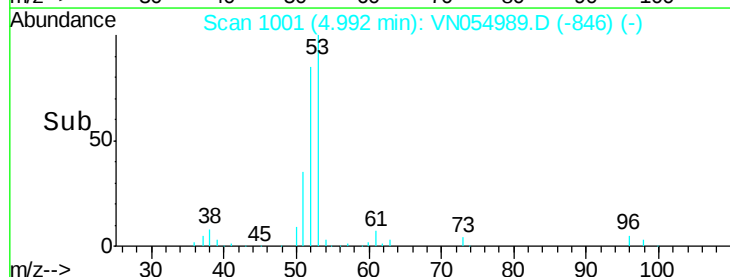
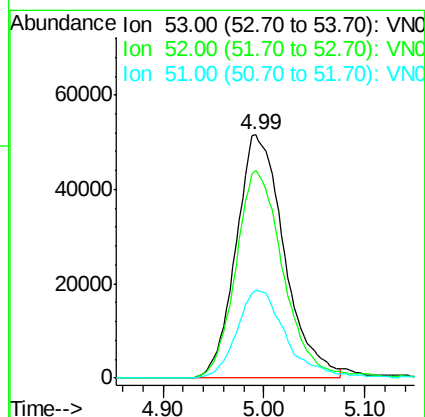
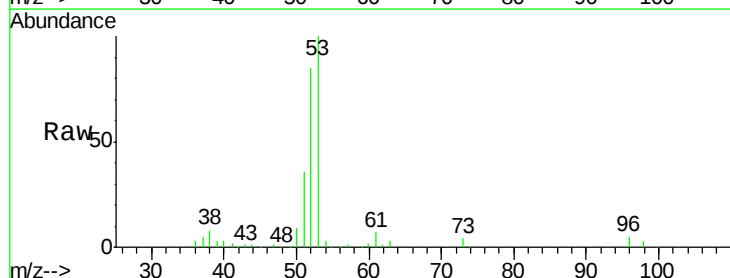
Tgt Ion: 53 Resp: 170957

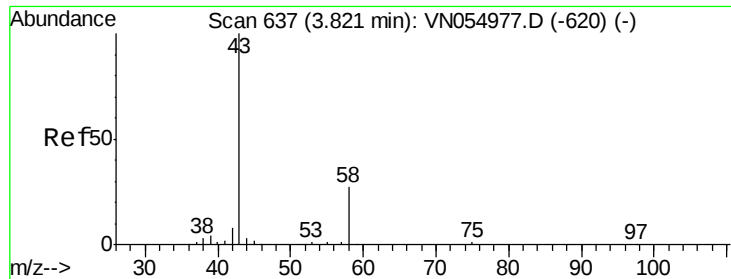
Ion Ratio Lower Upper

53 100

52 83.6 42.3 126.8

51 36.6 18.6 56.0





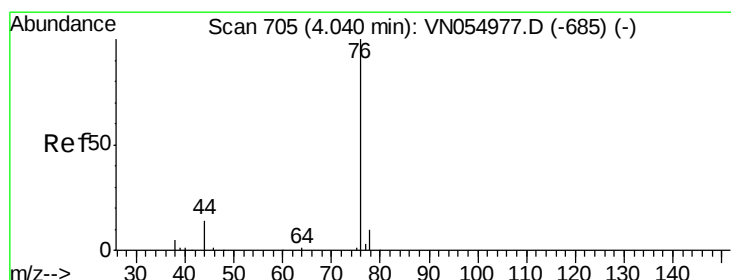
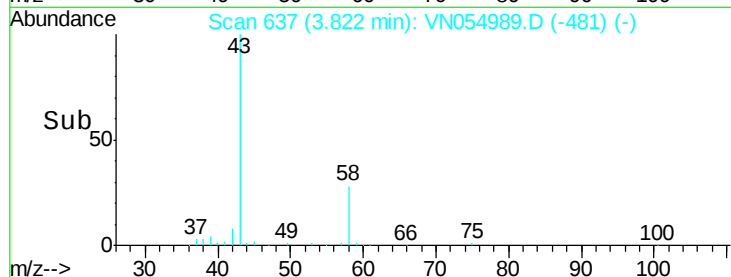
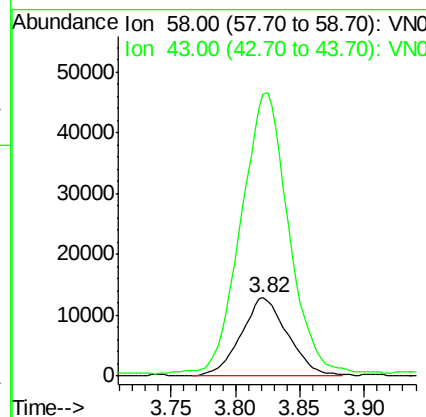
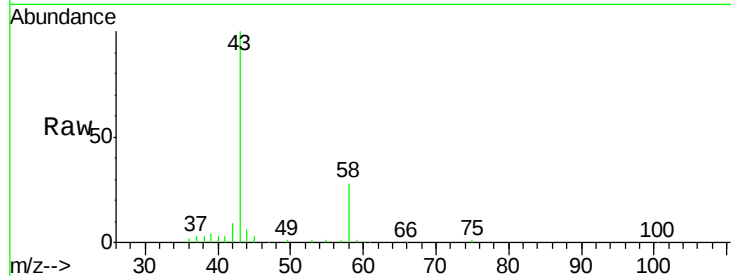
#15
Acetone
Concen: 77.564 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 58 Resp: 32479
Ion Ratio Lower Upper
58 100
43 354.6 297.2 445.8

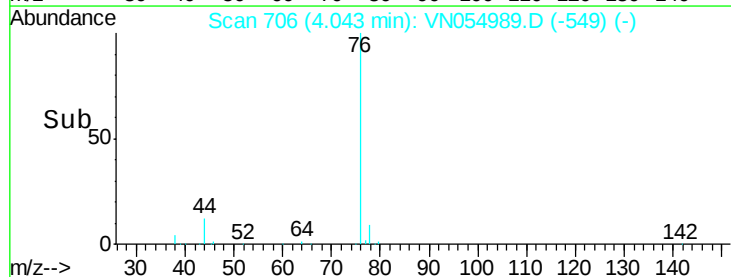
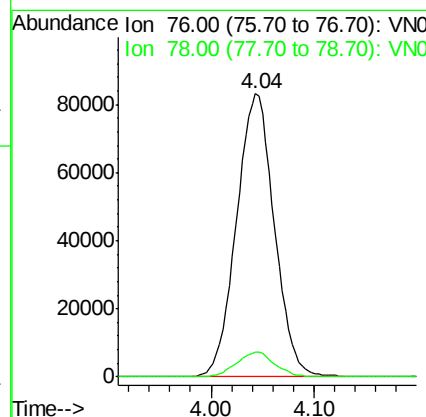
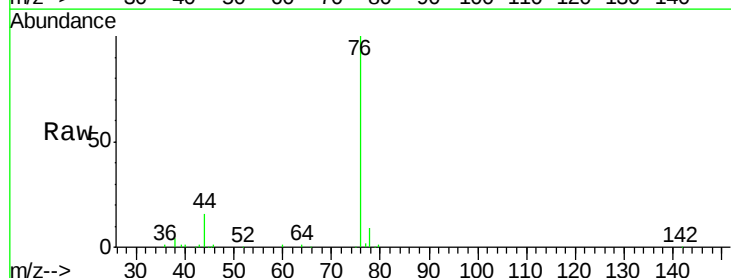
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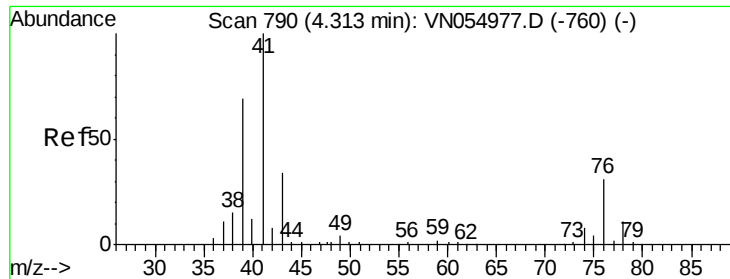
MMDadoda
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#16
Carbon Disulfide
Concen: 18.826 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Tgt Ion: 76 Resp: 212050
Ion Ratio Lower Upper
76 100
78 8.7 7.8 11.6





#17

Allvl chloride

Concen: 19.885 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054989.D

Acq: 11 Apr 2019 20:42

Instrument :

MSVOA_N

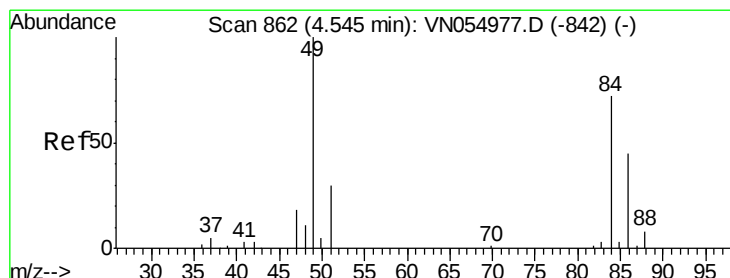
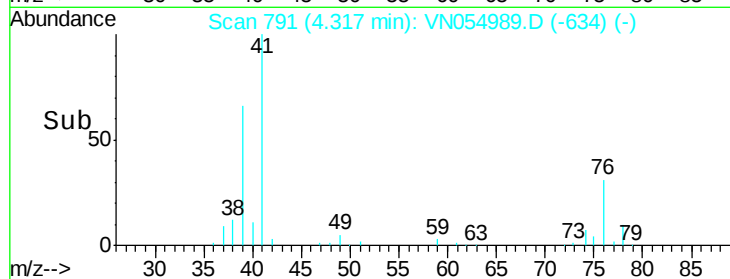
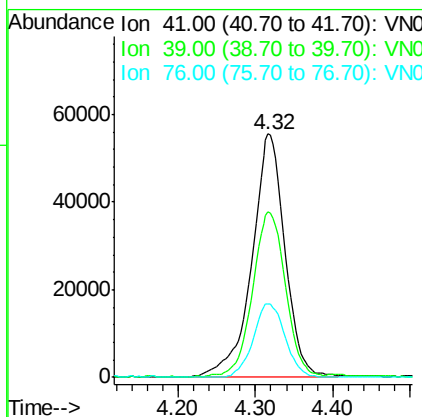
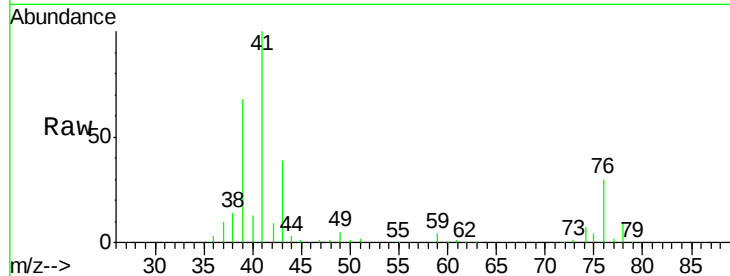
ClientSampleId :

VSTDCCC020EC

Tot Ion:	41	Resp:	164437
Ion Ratio	Lower	Upper	
41	100		
39	68.2	34.3	102.9
76	30.5	15.8	47.3

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#18

Methylene Chloride

Concen: 19.551 ug/l

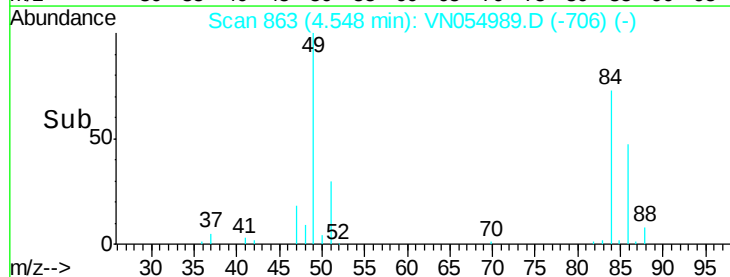
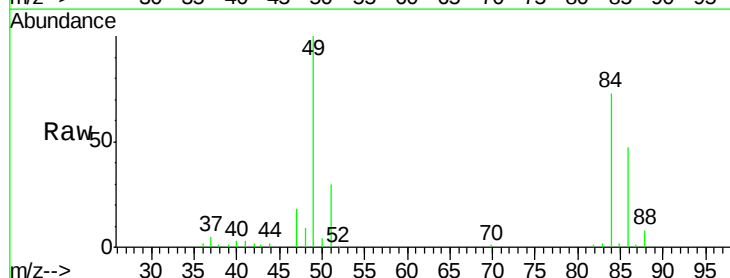
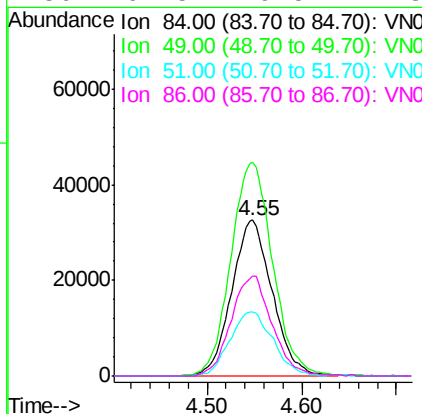
RT: 4.55 min Scan# 863

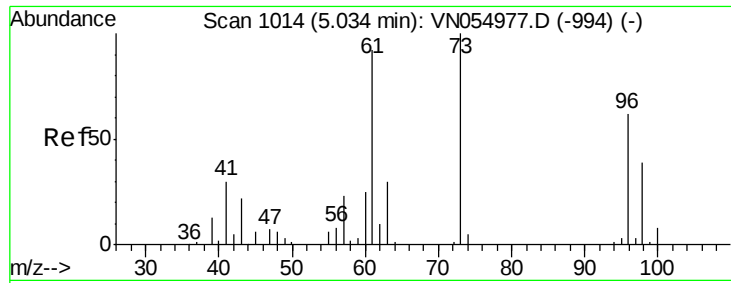
Delta R.T. 0.00 min

Lab File: VN054989.D

Acq: 11 Apr 2019 20:42

Tgt Ion:	84	Resp:	97046
Ion Ratio	Lower	Upper	
84	100		
49	136.6	111.0	166.4
51	41.5	33.4	50.2
86	64.5	49.5	74.3





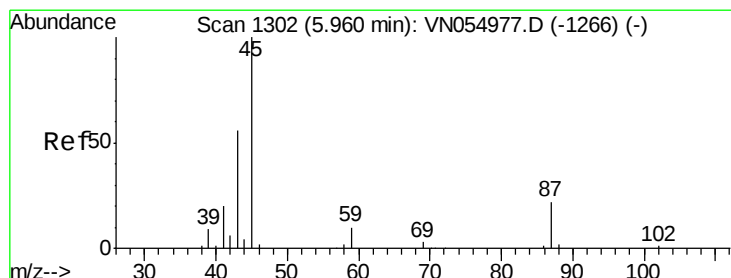
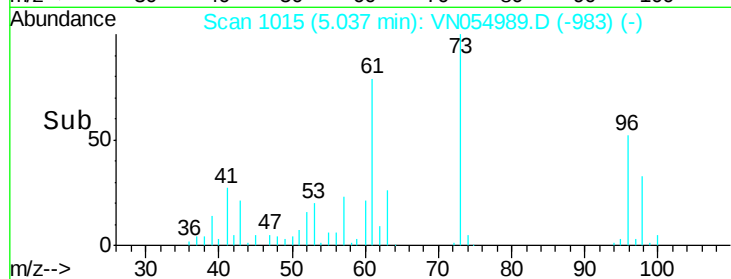
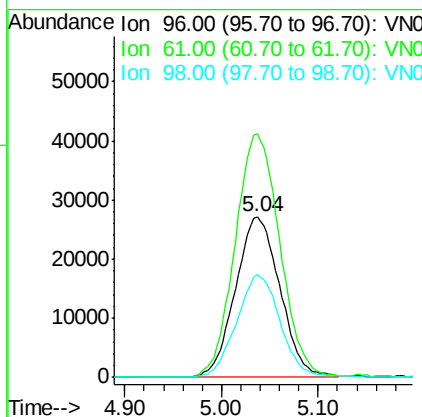
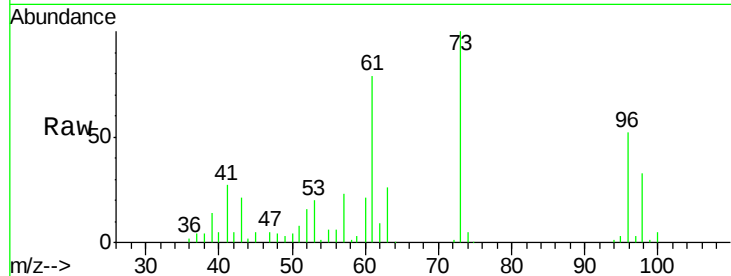
#19
trans-1,2-Dichloroethene
Concen: 19.893 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	151.2	117.2	175.8	
98	64.0	49.4	74.2	

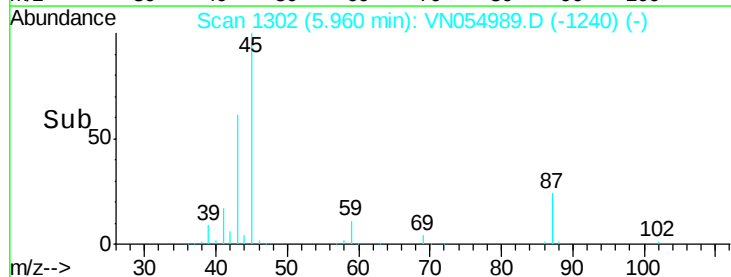
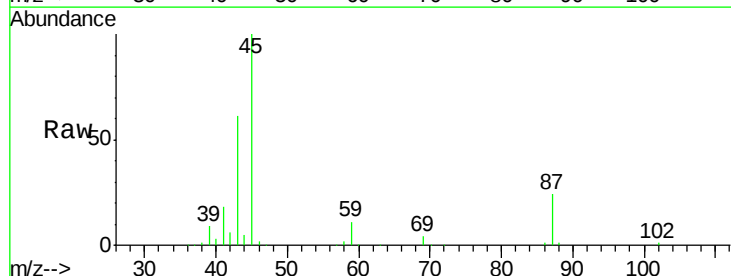
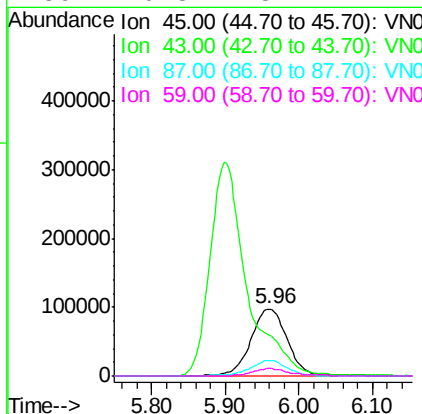
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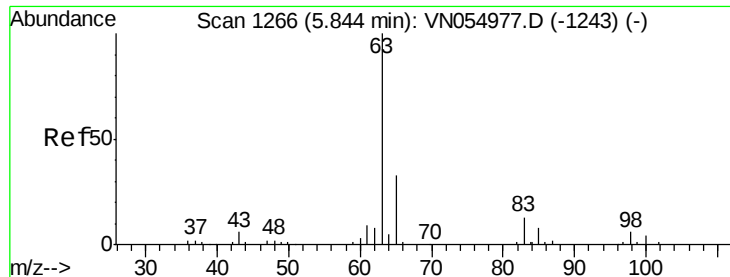
MMDadoda
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#20
Diisopropyl ether
Concen: 20.106 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	58.9	45.8	68.8	
87	23.7	18.2	27.4	
59	10.8	8.2	12.2	





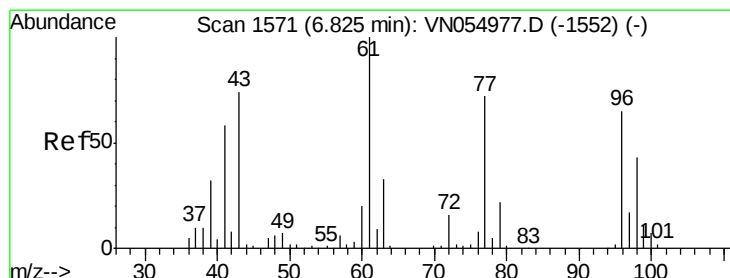
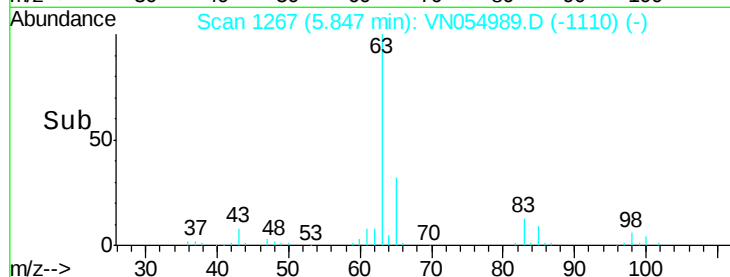
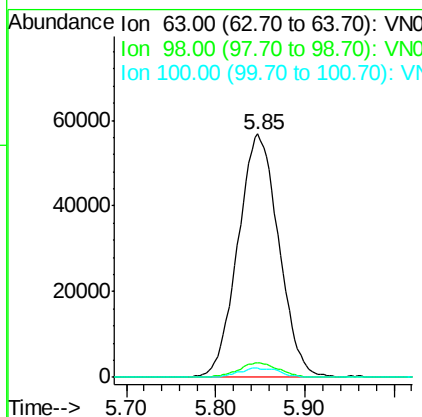
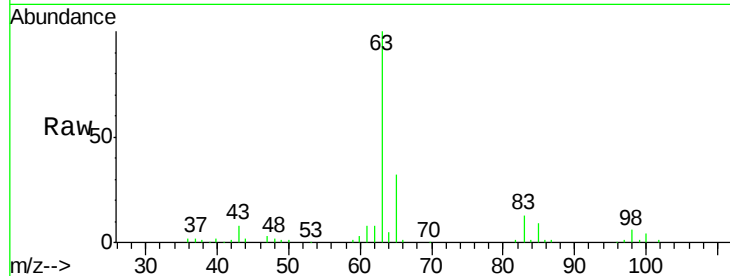
#21
 1,1-Dichloroethane
 Concen: 20.222 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:	63	Resp:	180942
Ion Ratio	Lower	Upper	
63	100		
98	5.9	2.9	8.7
100	3.7	2.0	5.8

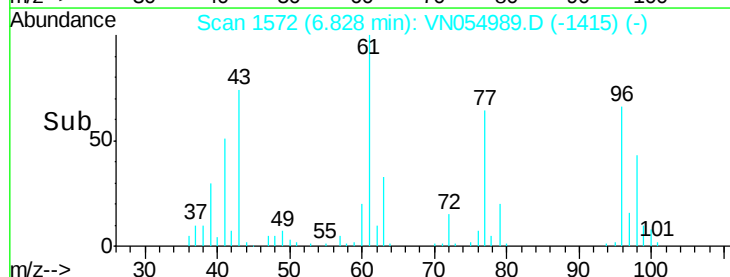
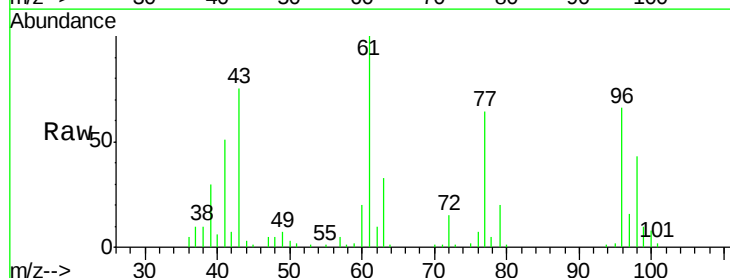
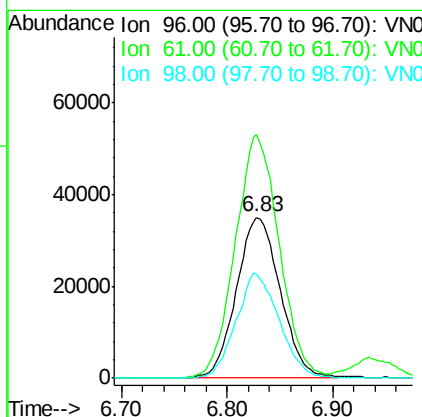
Manual Integrations
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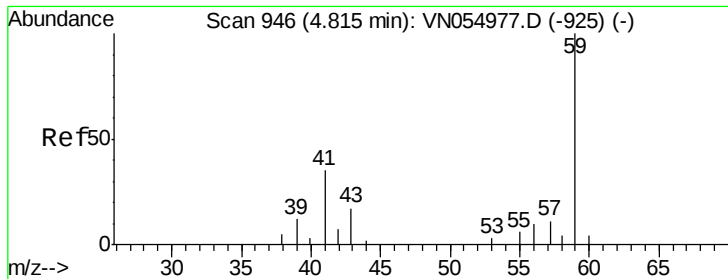
MMDadoda
 4/12/2019 1:42:11 PM



#22
 cis-1,2-Dichloroethene
 Concen: 19.750 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

Tgt Ion:	96	Resp:	100350
Ion Ratio	Lower	Upper	
96	100		
61	153.3	125.0	187.6
98	64.5	52.2	78.2





#23

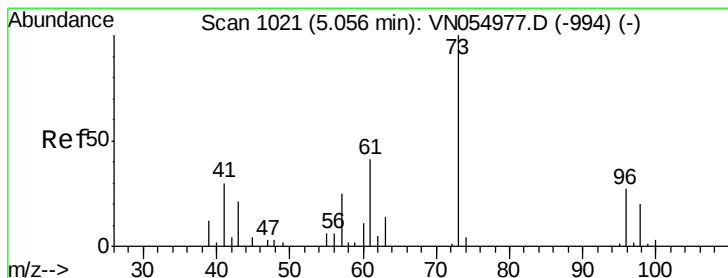
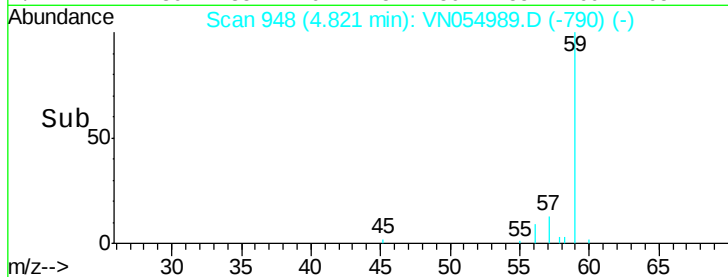
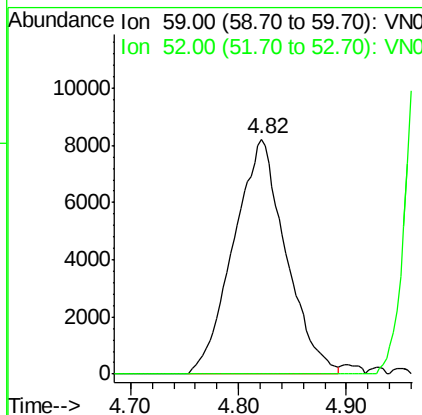
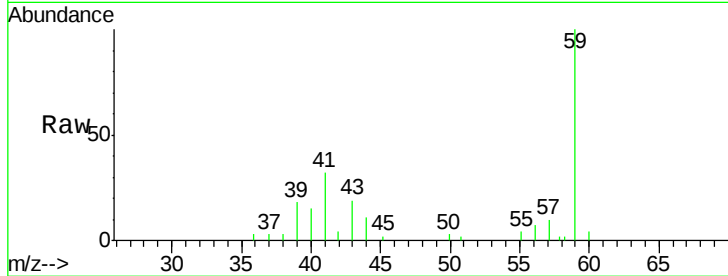
tert-Butyl Alcohol
 Concen: 102.623 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. 0.01 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	59	52	Ratio	Lower	Upper
Resp:	27690				
Ion	100	0.0		0.0	0.0

Manual Integrations
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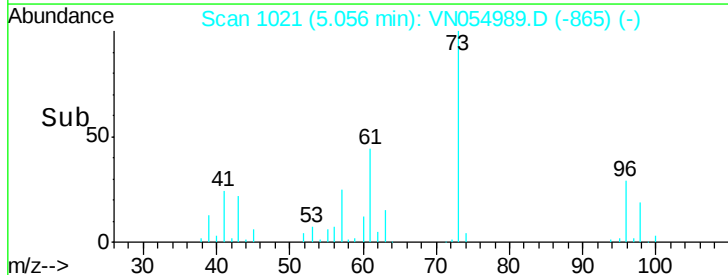
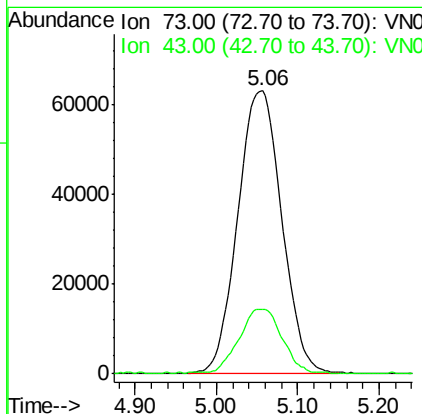
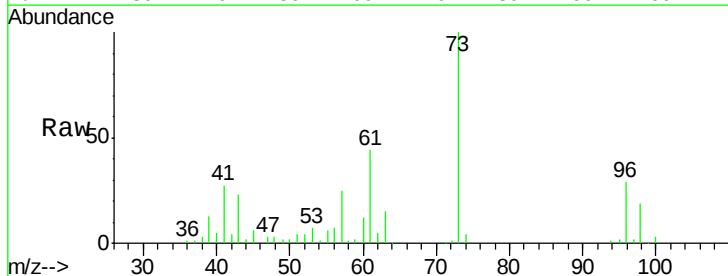
MMDadoda
 4/12/2019 1:42:11 PM

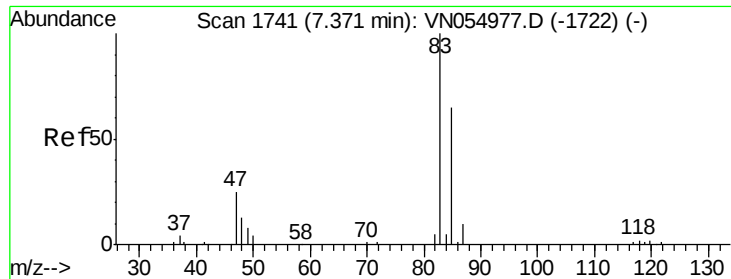


#24

Methyl tert-Butyl Ether
 Concen: 20.989 ug/l
 RT: 5.06 min Scan# 1021
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

Tgt Ion	73	43	Ratio	Lower	Upper
Resp:	236657				
Ion	100	21.4		8.0	12.0#





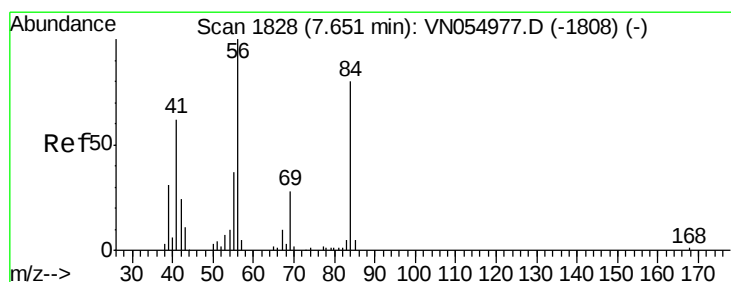
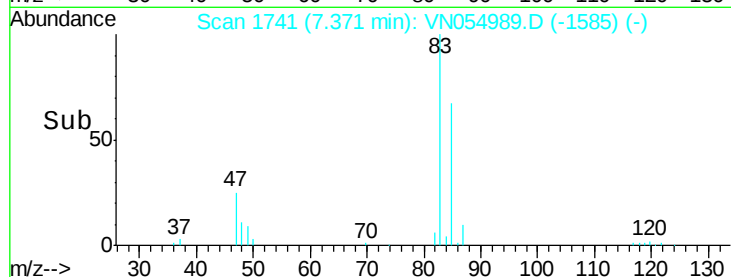
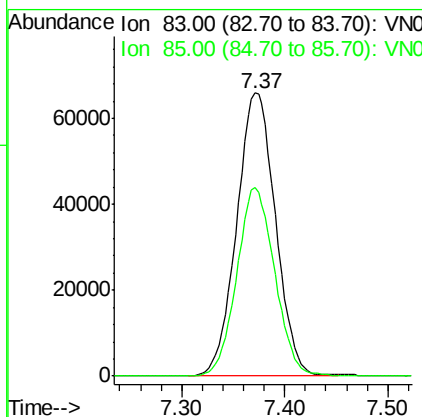
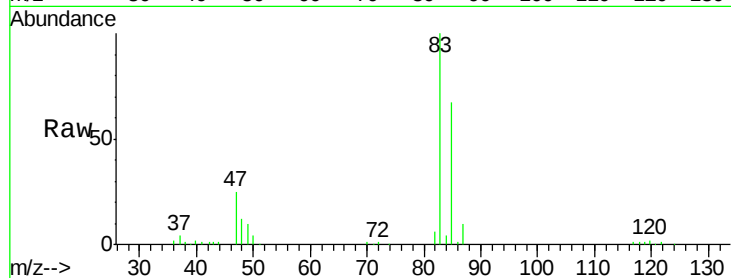
#25
Chloroform
Concen: 20.141 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	83	Resp	172630
Ion Ratio	Lower	Upper	
83	100		
85	66.9	51.8	77.8

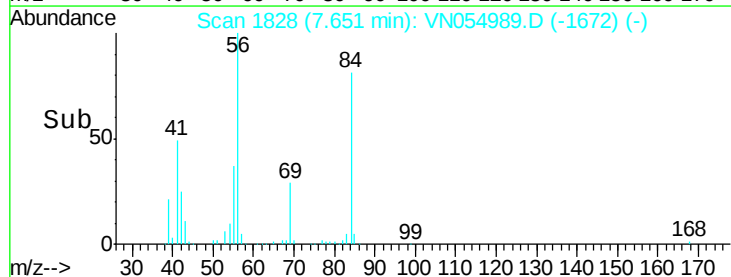
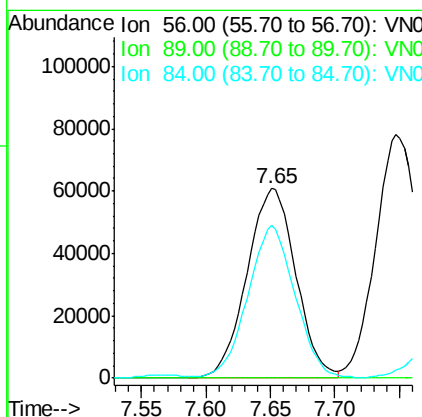
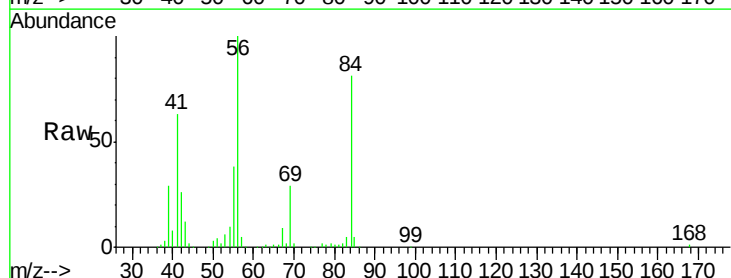
Manual Integrations
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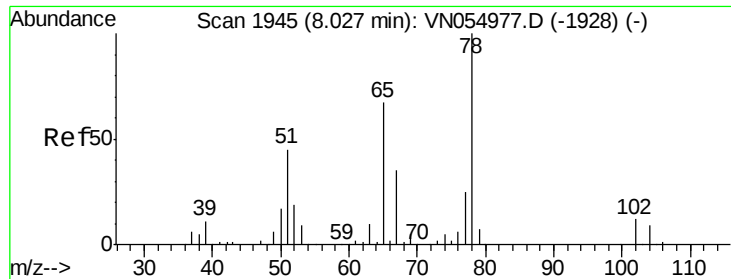
MMDadoda
4/12/2019 1:42:11 PM



#26
Cyclohexane
Concen: 19.334 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Tgt Ion	56	Resp	160514
Ion Ratio	Lower	Upper	
56	100		
89	0.0	0.0	0.0
84	77.9	63.5	95.3





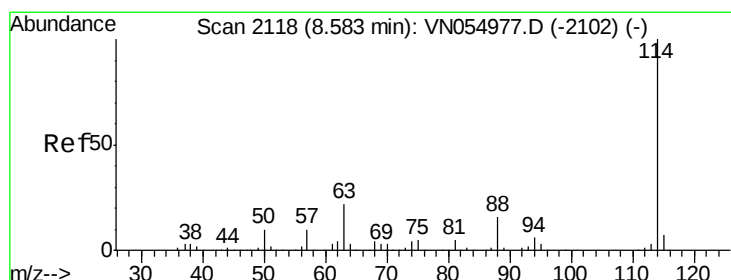
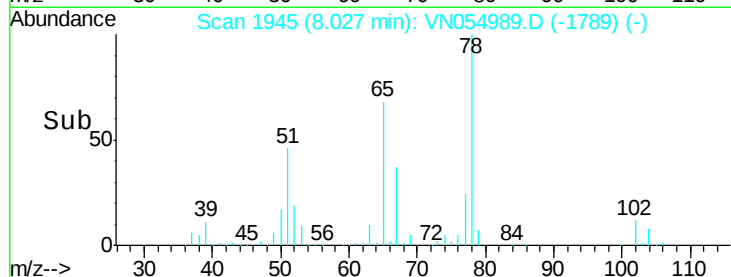
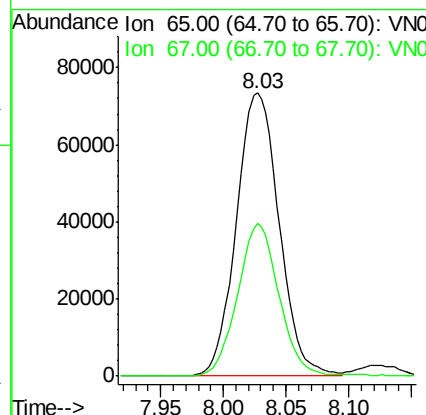
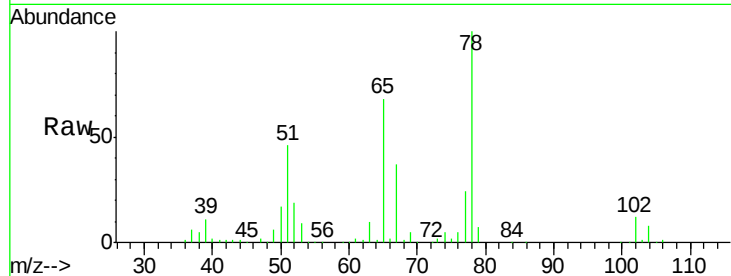
#27
 1,2-Dichloroethane-d4
 Concen: 19.334 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	174358		
67	51.7		41.8	62.8

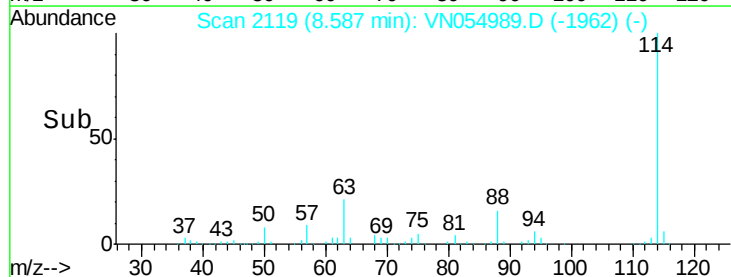
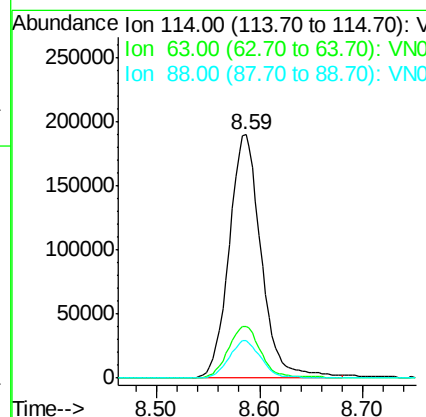
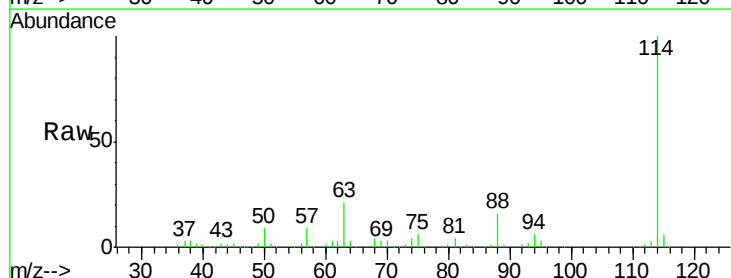
Manual Integrations
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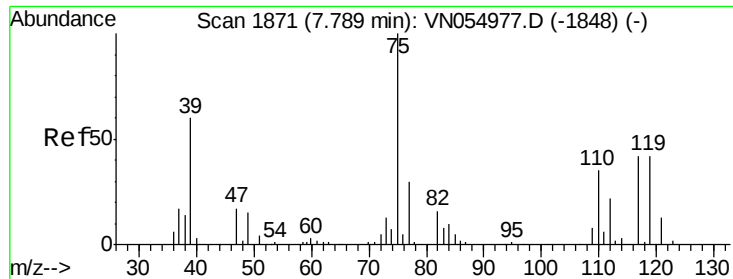
MMDadoda
 4/12/2019 1:42:11 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	413066		
63	21.7		17.0	25.4
88	15.0		12.3	18.5





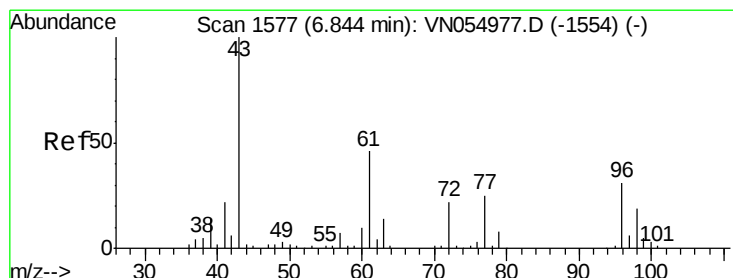
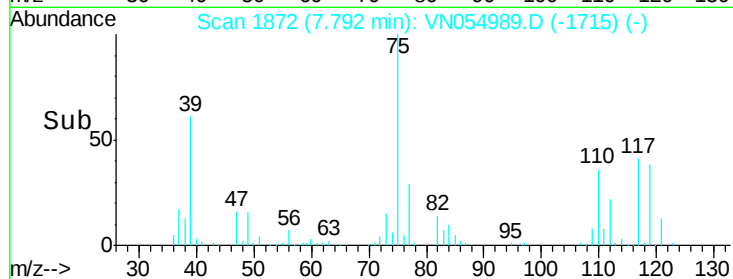
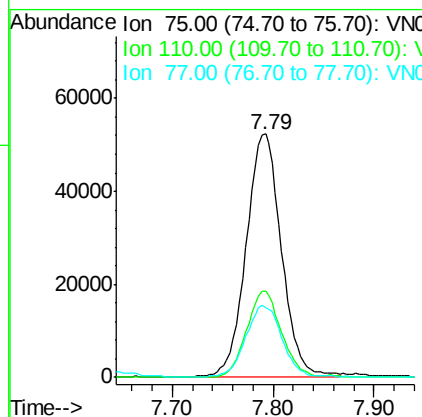
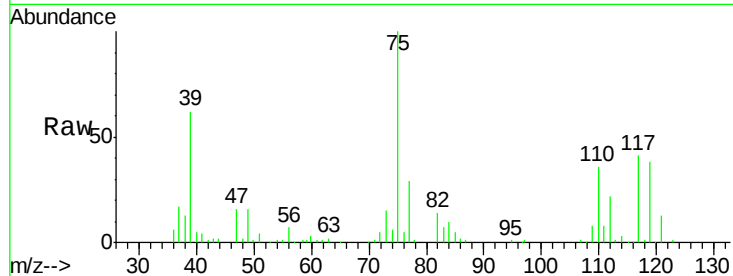
#29
 1,1-Dichloropropene
 Concen: 19.737 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.9	0.0	68.4	
77	30.4	0.0	58.6	

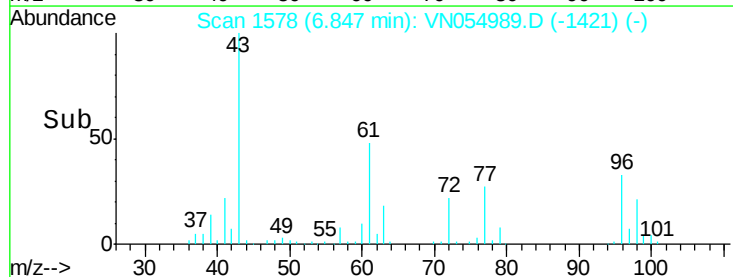
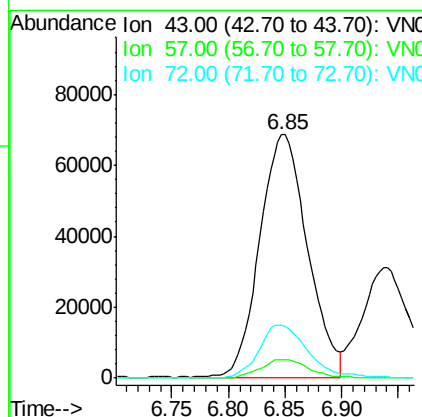
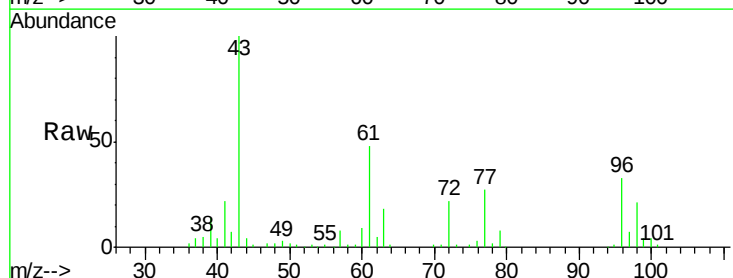
Manual Integrations
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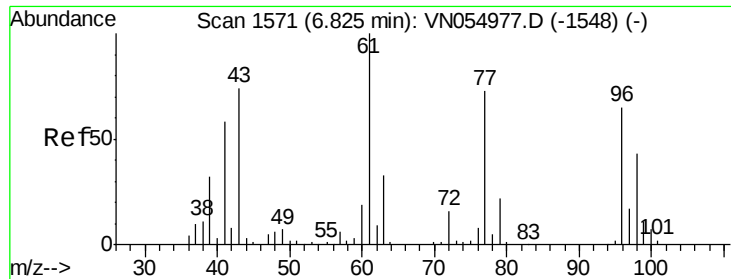
MMDadoda
 4/12/2019 1:42:11 PM



#30
 2-Butanone
 Concen: 93.850 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	7.9	6.0	9.0	
72	22.4	18.6	27.8	





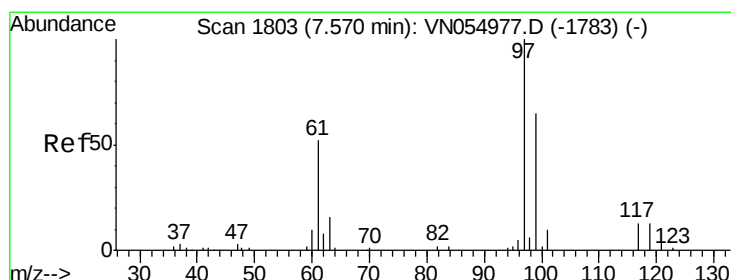
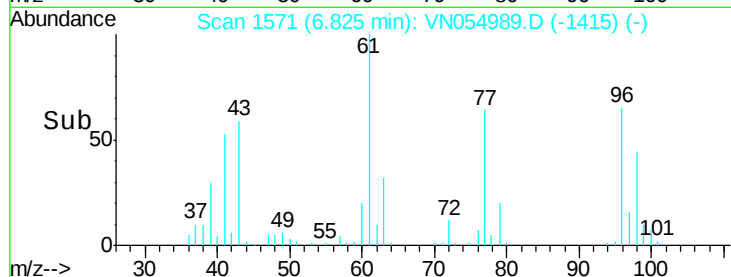
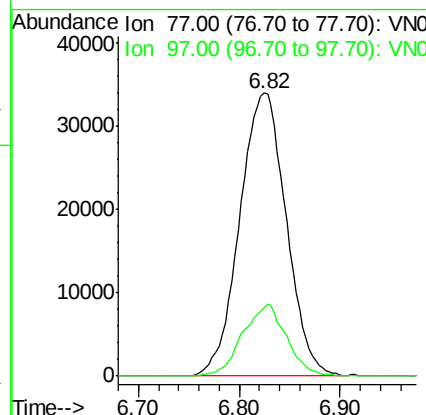
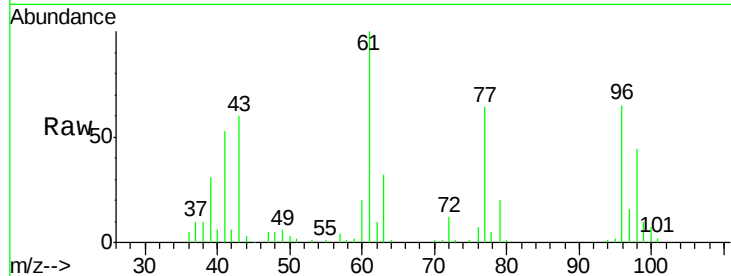
#31
 2,2-Dichloropropane
 Concen: 18.331 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 77 Resp: 108538
 Ion Ratio Lower Upper
 77 100
 97 23.7 0.0 0.0#

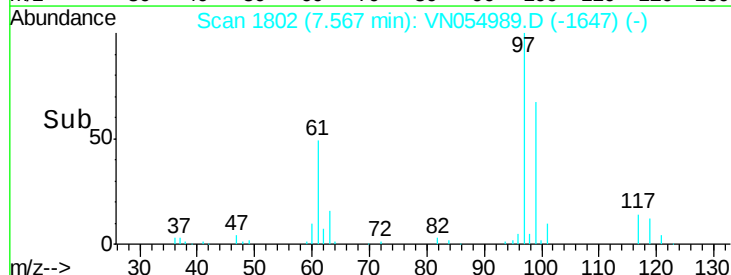
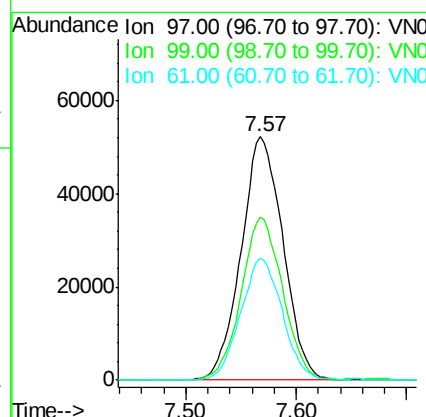
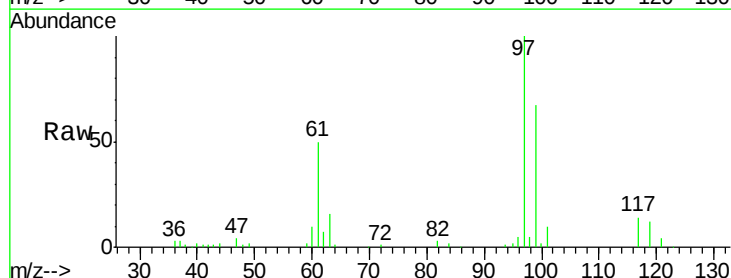
Manual Integrations
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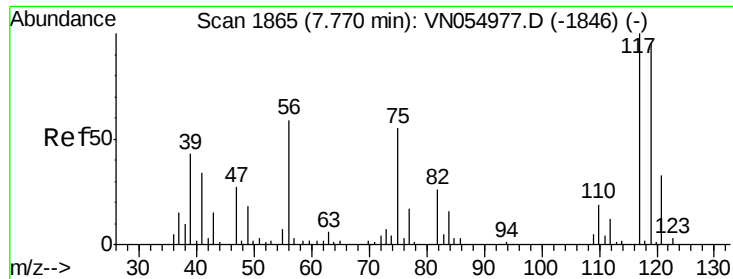
MMDadoda
 4/12/2019 1:42:11 PM



#32
 1,1,1-Trichloroethane
 Concen: 20.260 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

Tgt Ion: 97 Resp: 137757
 Ion Ratio Lower Upper
 97 100
 99 66.0 51.2 76.8
 61 49.5 40.6 60.8





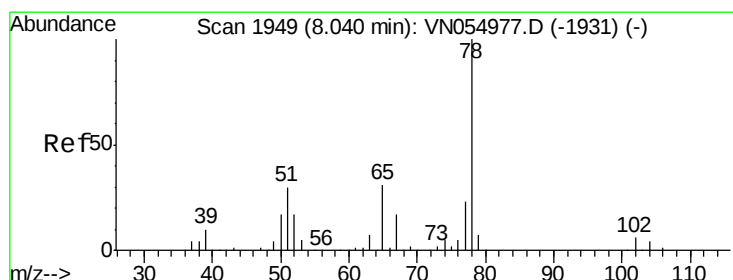
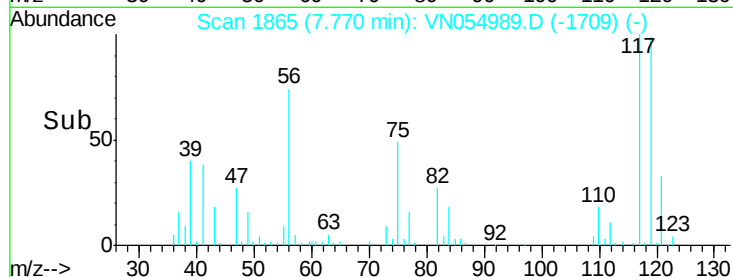
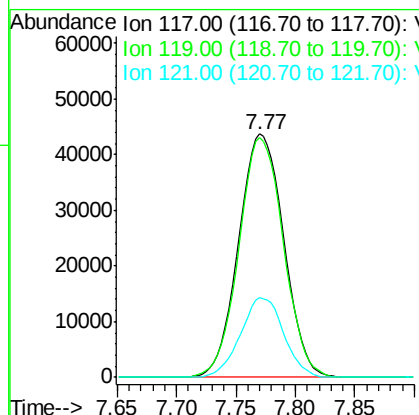
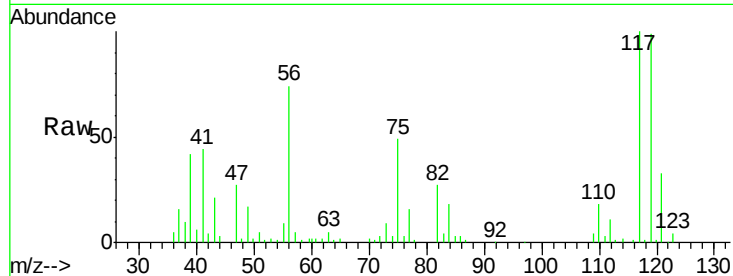
#33
Carbon Tetrachloride
Concen: 19.523 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	98.6	76.1	114.1
121	32.7	26.2	39.4

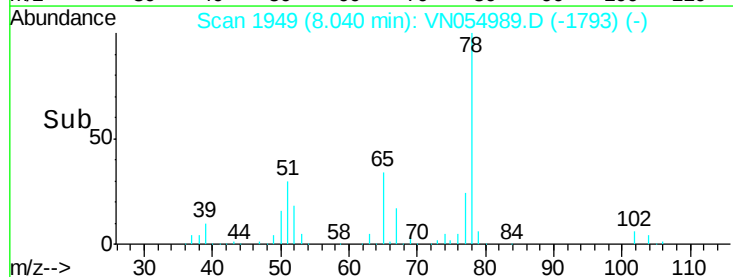
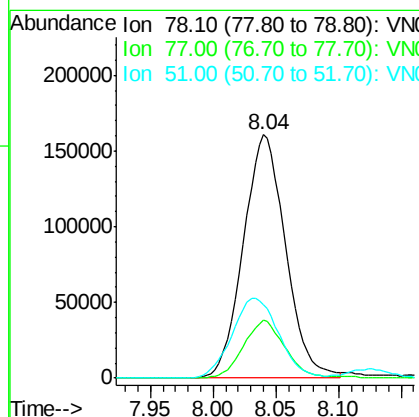
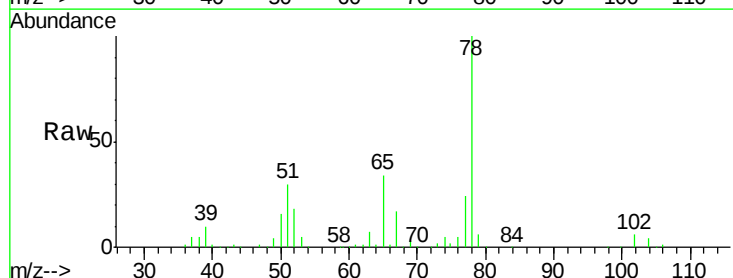
Manual Integrations
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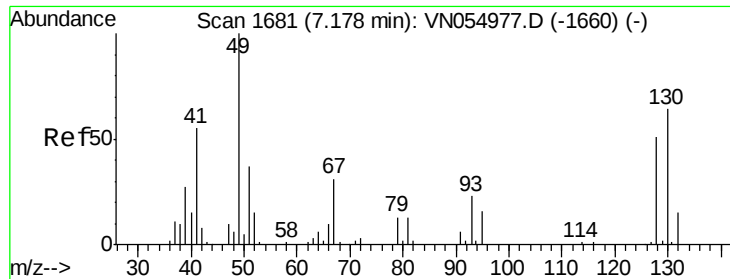
MMDadoda
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#34
Benzene
Concen: 19.803 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.2	27.4
51	30.1	23.7	35.5





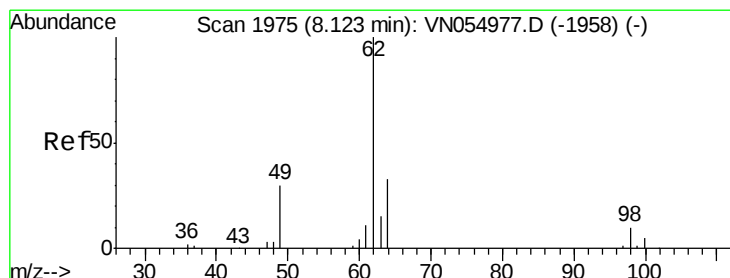
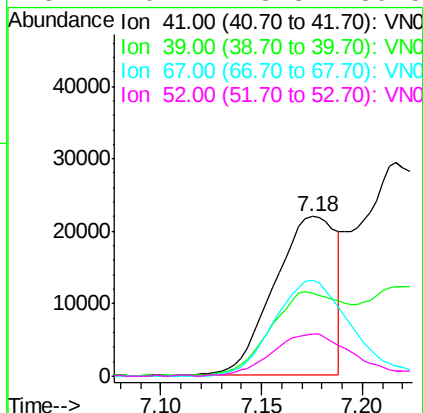
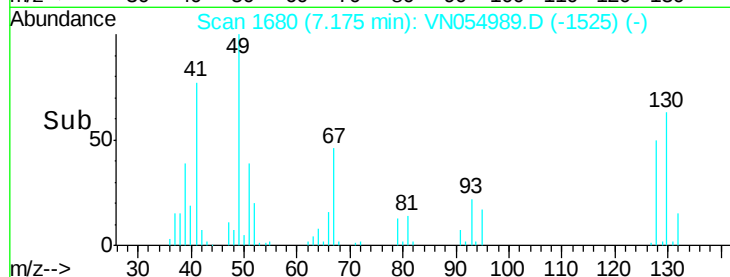
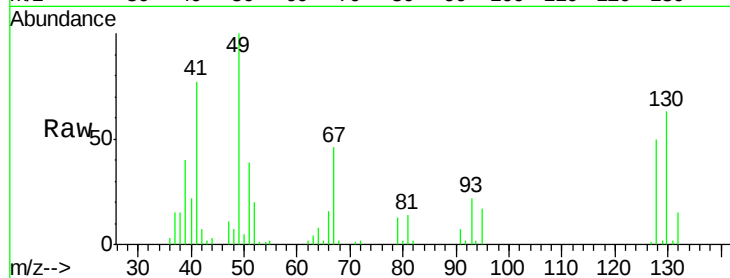
#35
Methacrylonitrile
Concen: 18.494 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.3	24.2	72.6	
67	60.9	28.1	84.2	
52	26.1	13.3	39.8	

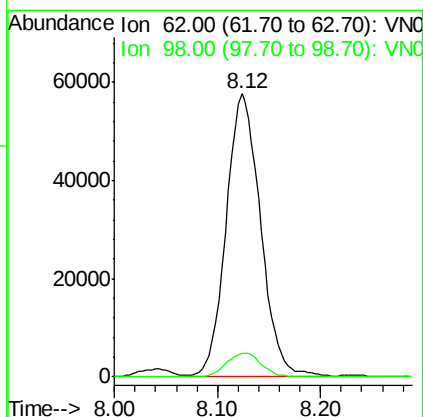
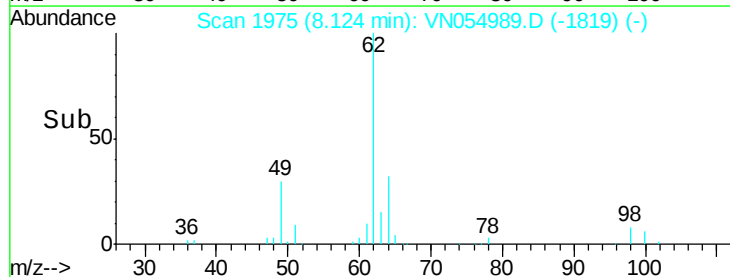
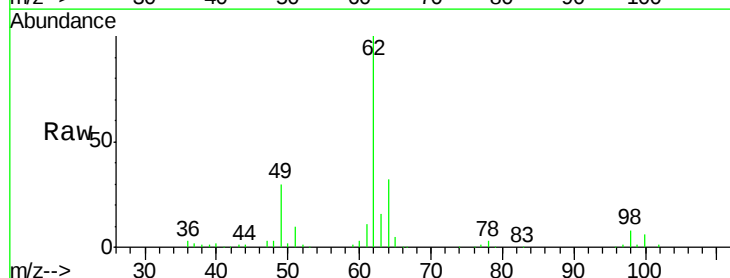
Manual Integrations
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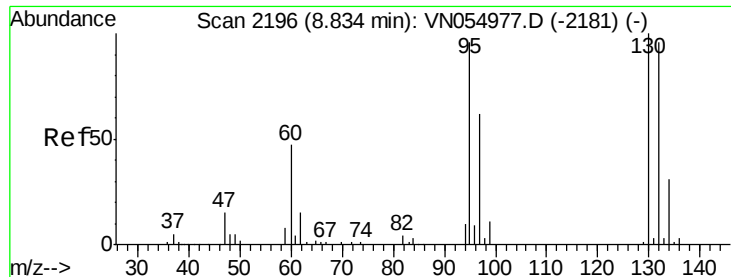
MMDadoda
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#36
1,2-Dichloroethane
Concen: 20.418 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	6.9	10.3	





#37

Trichloroethene

Concen: 19.878 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054989.D

Acq: 11 Apr 2019 20:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:130 Resp: 96605

Ion Ratio Lower Upper

130 100

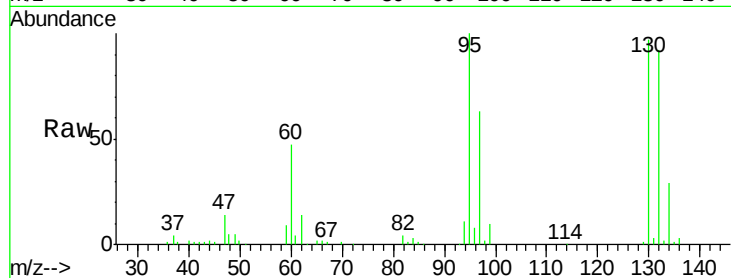
95 103.6 76.6 115.0

Manual Integrations

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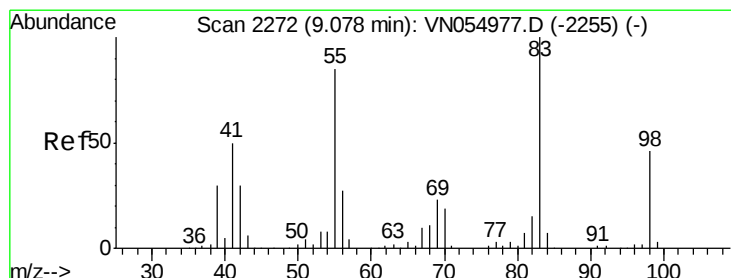
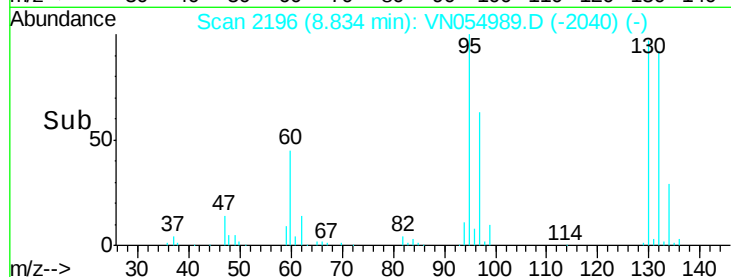
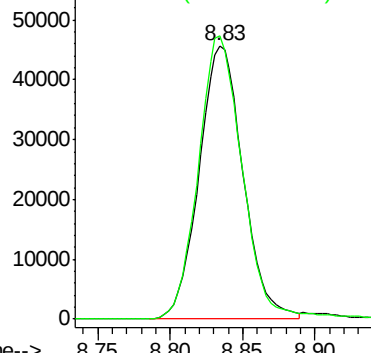
MMDadoda

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 18.536 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN054989.D

Acq: 11 Apr 2019 20:42

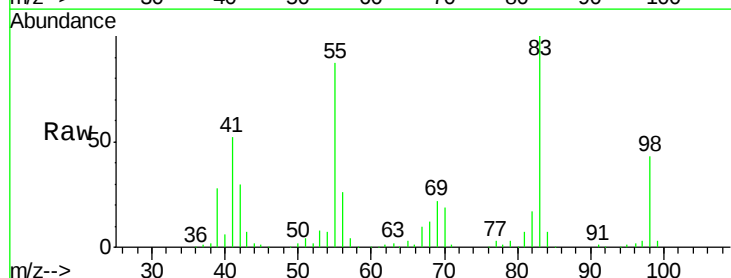
Tgt Ion: 83 Resp: 138285

Ion Ratio Lower Upper

83 100

55 85.3 41.9 125.6

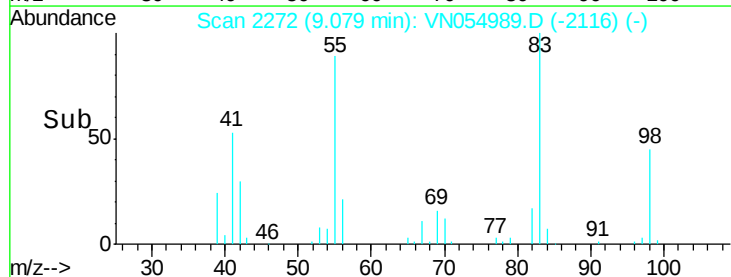
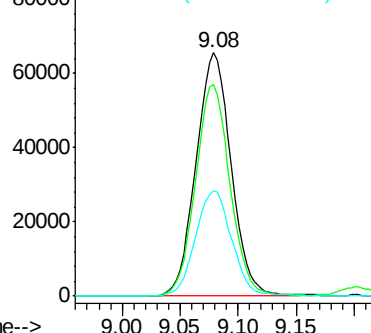
98 44.5 22.4 67.0

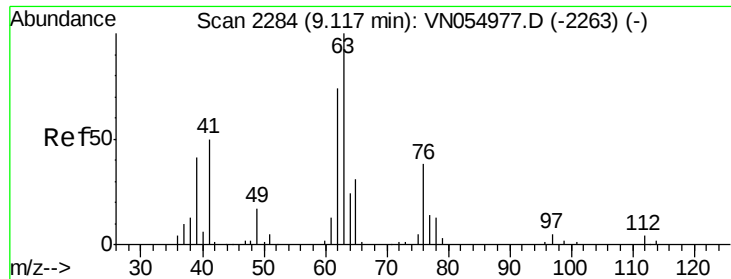


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN





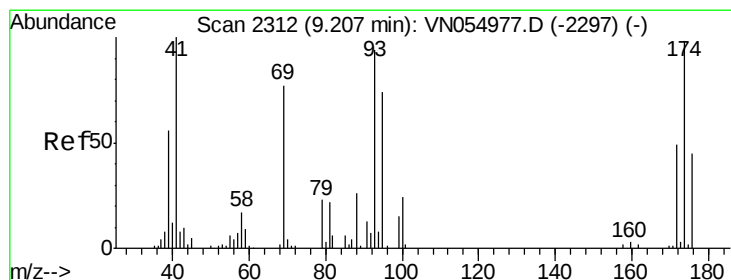
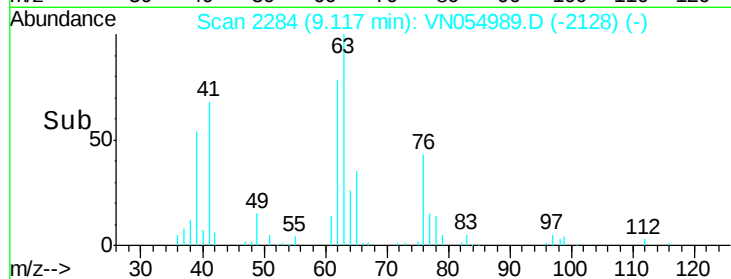
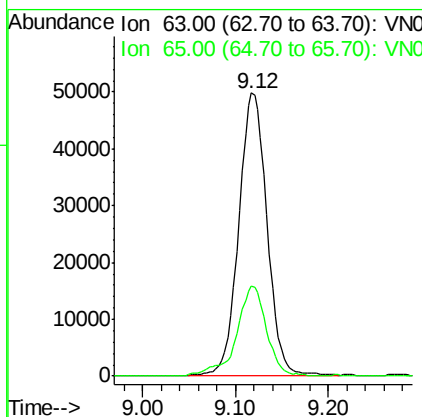
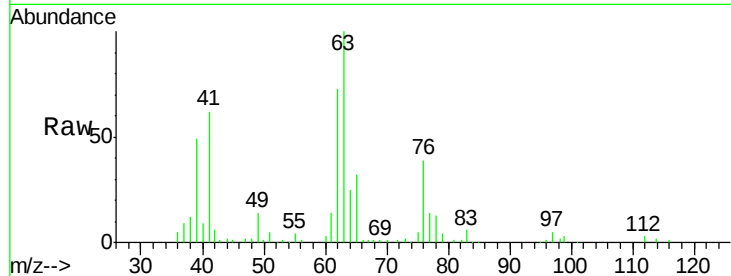
#39
 1,2-Dichloropropane
 Concen: 20.161 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 63 Resp: 106125
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.8 37.2

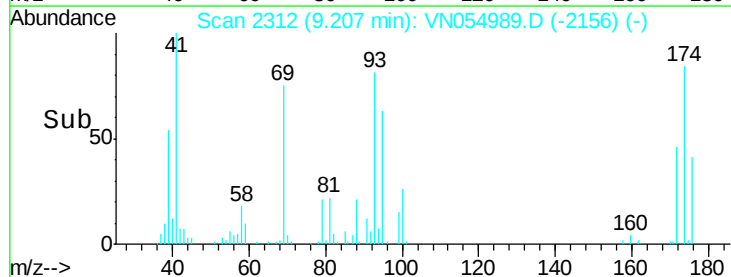
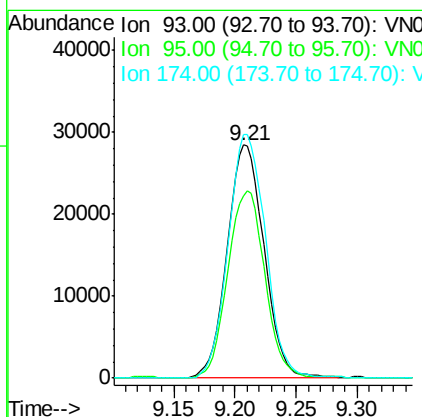
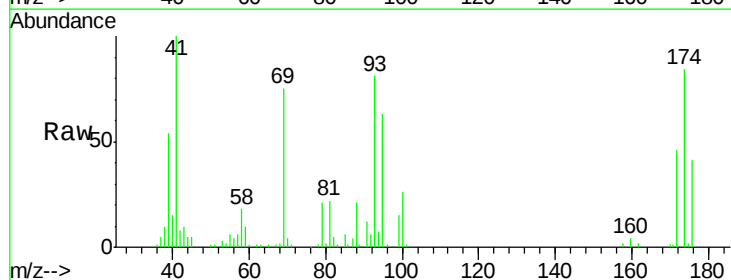
Manual Integrations
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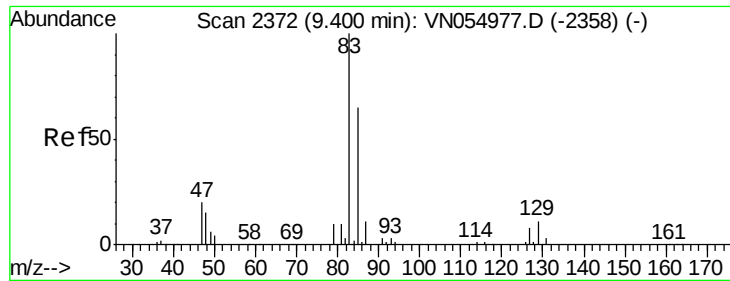
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#40
 Dibromomethane
 Concen: 20.223 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

Tgt Ion: 93 Resp: 60169
 Ion Ratio Lower Upper
 93 100
 95 80.2 0.0 160.8
 174 104.9 0.0 206.4





#41

Bromodichloromethane

Concen: 19.752 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054989.D

Acq: 11 Apr 2019 20:42

Instrument :

MSVOA_N

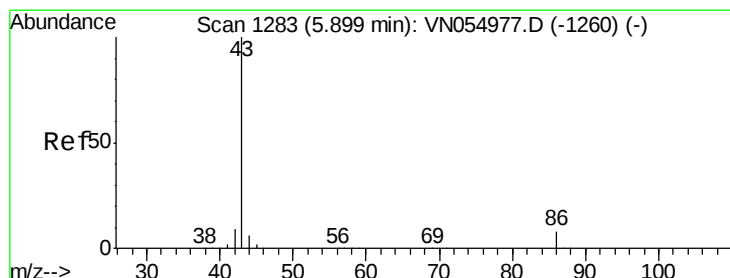
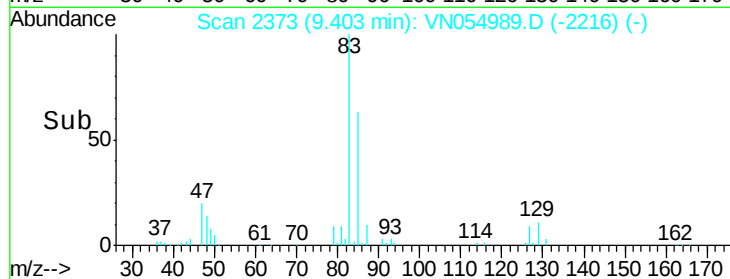
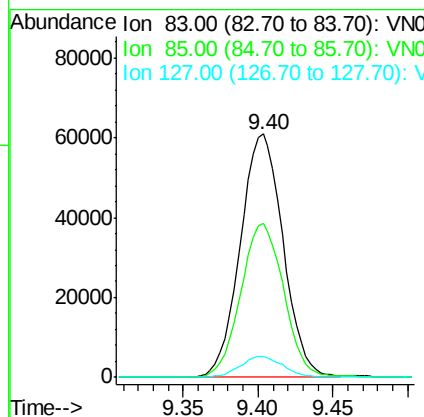
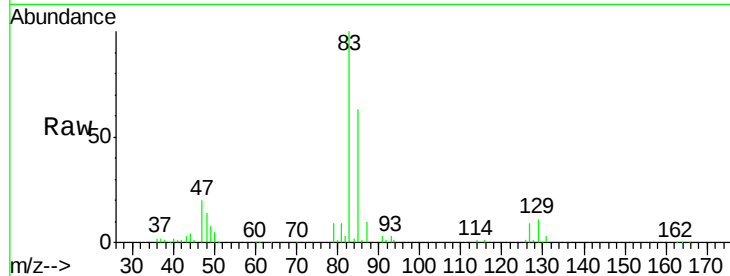
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	121292
Ion Ratio	Lower	Upper	
83	100		
85	63.2	52.0	78.0
127	8.7	7.2	10.8

Manual Integrations
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4/12/2019 1:42:11 PM



#42

Vinyl Acetate

Concen: 100.457 ug/l

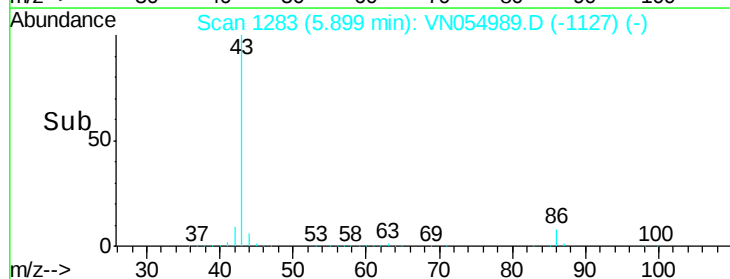
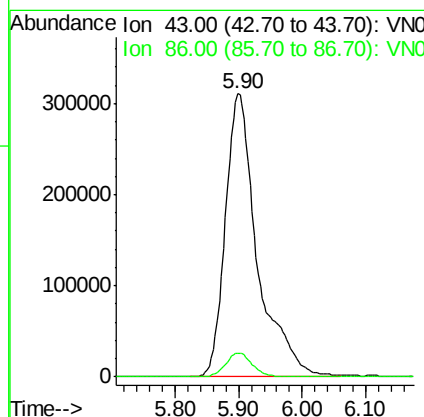
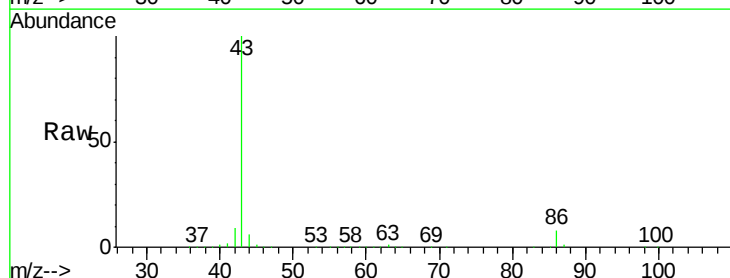
RT: 5.90 min Scan# 1283

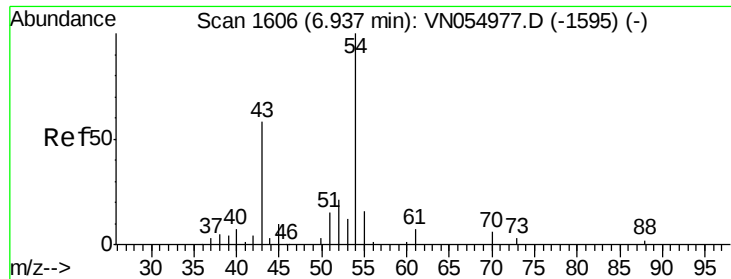
Delta R.T. 0.00 min

Lab File: VN054989.D

Acq: 11 Apr 2019 20:42

Tgt Ion:	43	Resp:	1084484
Ion Ratio	Lower	Upper	
43	100		
86	7.0	5.7	8.5





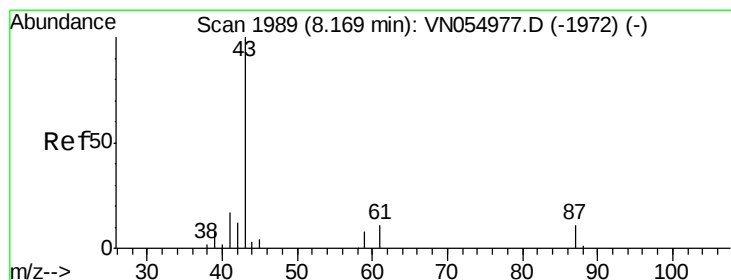
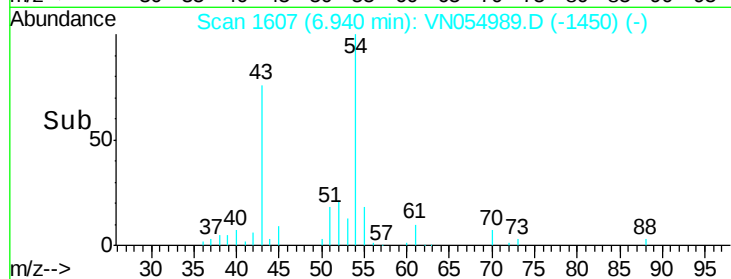
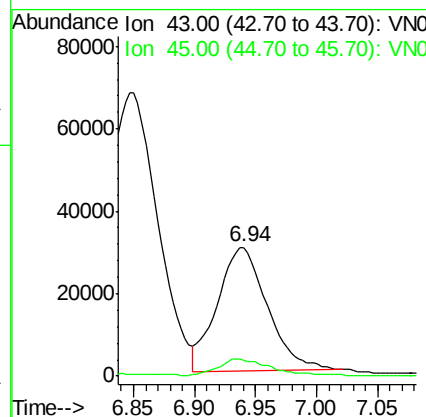
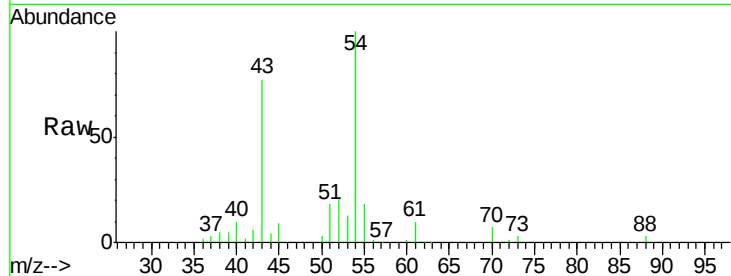
#43
Ethyl Acetate
Concen: 19.895 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 86548
Ion Ratio Lower Upper
43 100
45 13.7 10.6 15.8

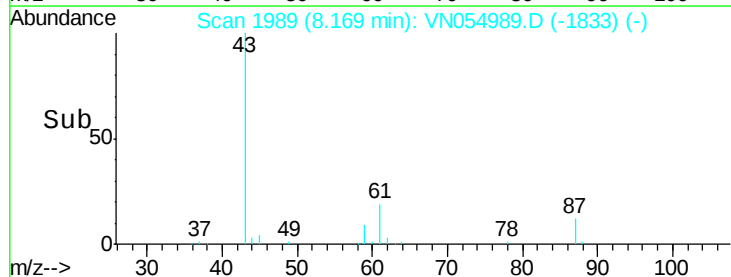
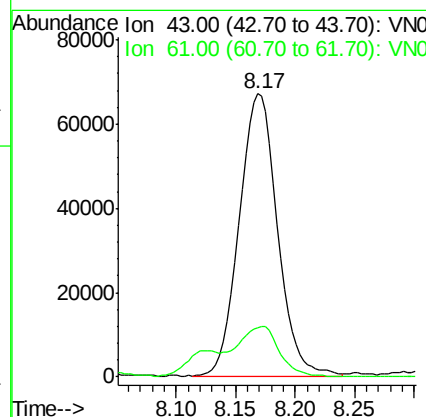
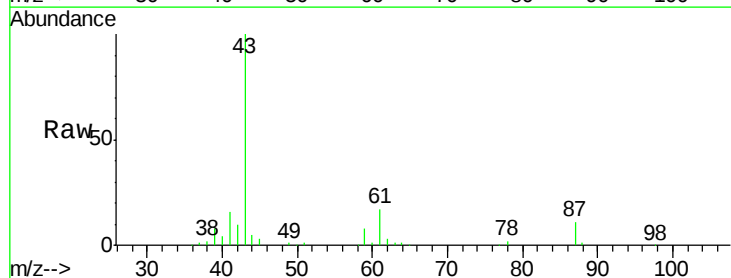
Manual Integrations
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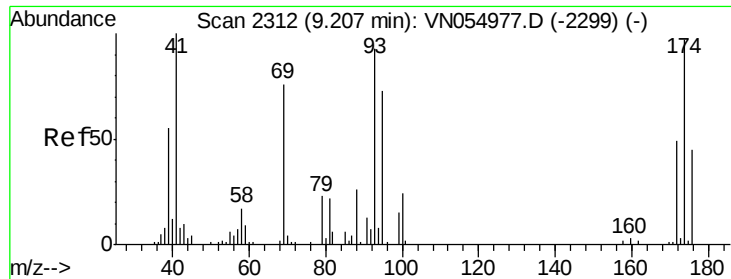
MMDadoda
4/12/2019 1:42:11 PM



#44
Isopropyl Acetate
Concen: 20.223 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Tgt Ion: 43 Resp: 149092
Ion Ratio Lower Upper
43 100
61 17.9 14.8 22.2





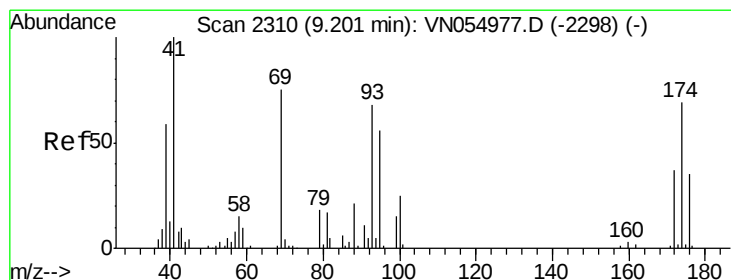
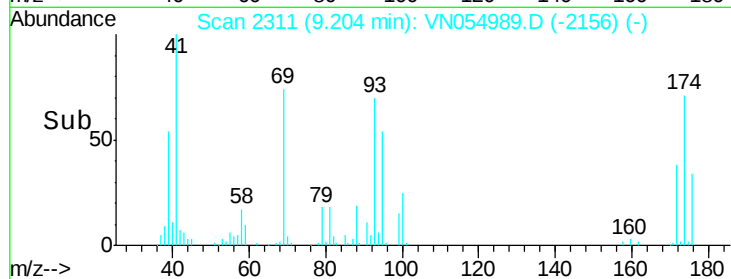
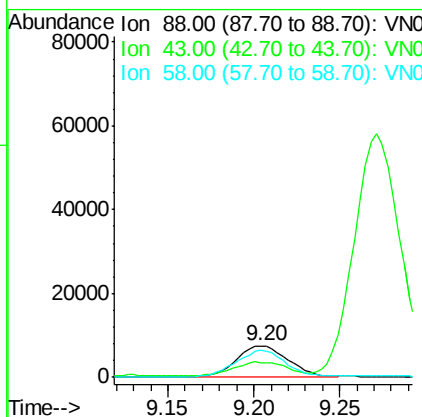
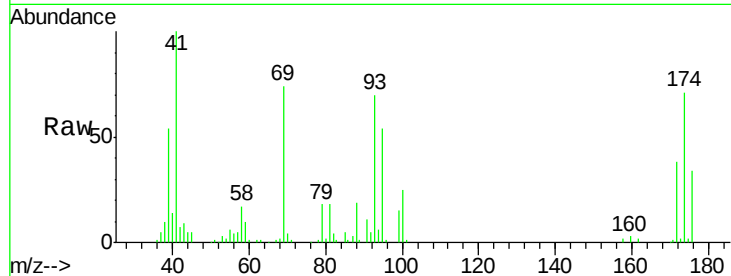
#45
 1,4-Dioxane
 Concen: 390.368 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	88	Resp	15944
Ion Ratio	Lower	Upper	
88	100		
43	26.9	34.5	51.7#
58	83.5	60.3	90.5

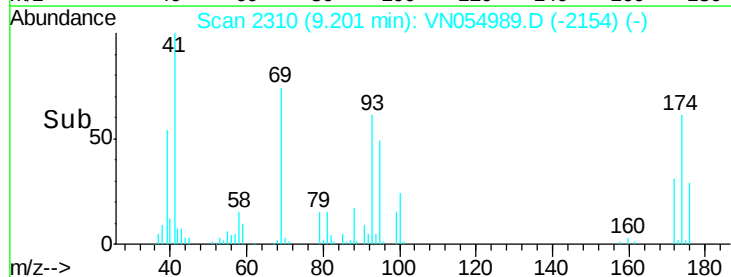
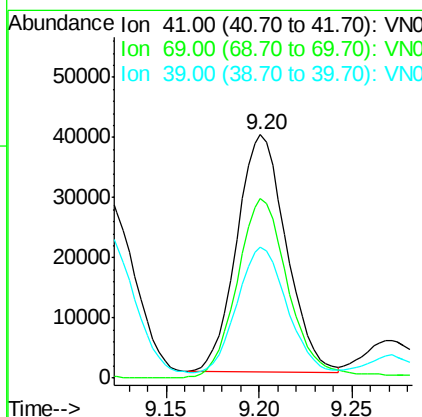
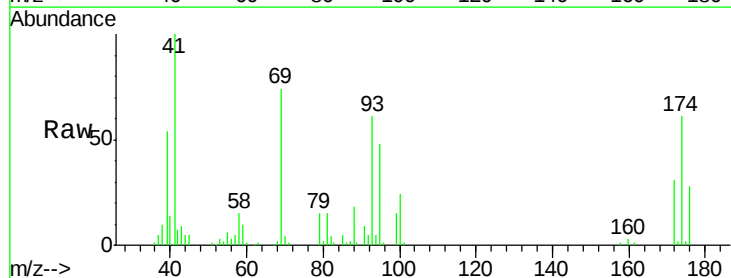
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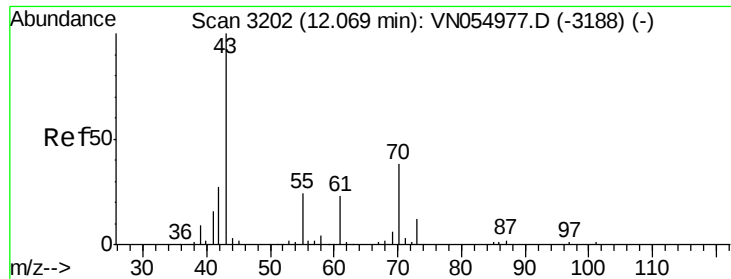
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#46
 Methyl methacrylate
 Concen: 19.144 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

Tgt Ion	41	Resp	73009
Ion Ratio	Lower	Upper	
41	100		
69	75.1	37.3	111.9
39	53.3	29.4	88.2





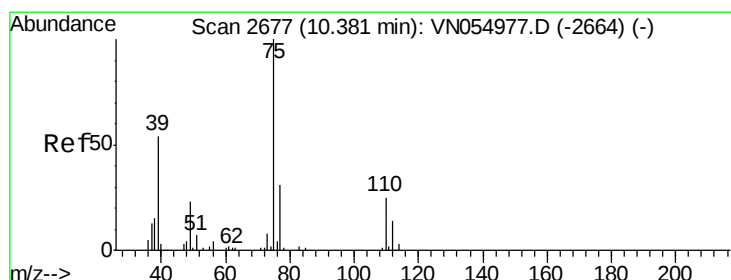
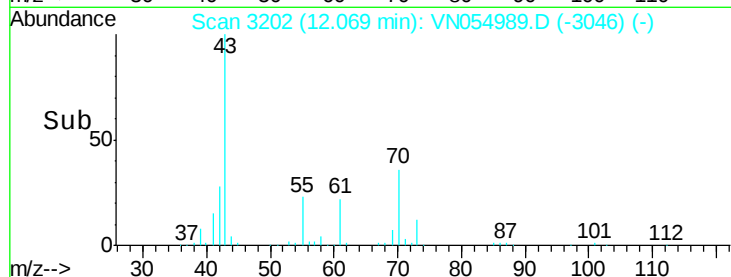
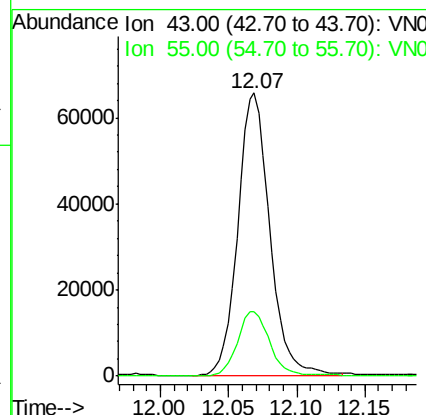
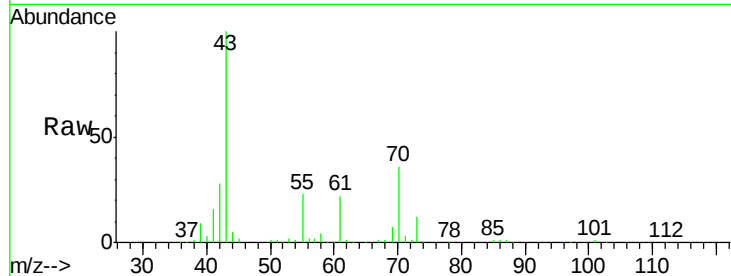
#47
n-amvl Acetate
Concen: 19.623 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 106553
Ion Ratio Lower Upper
43 100
55 23.2 19.8 29.6

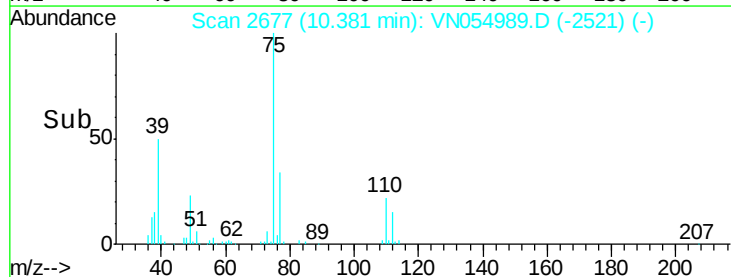
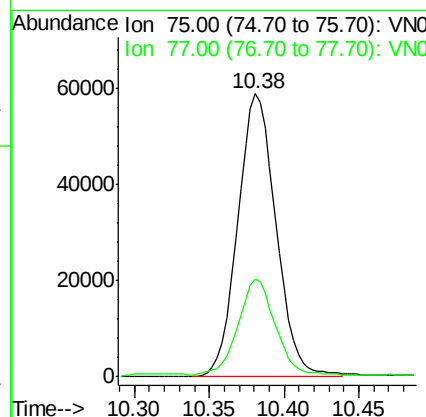
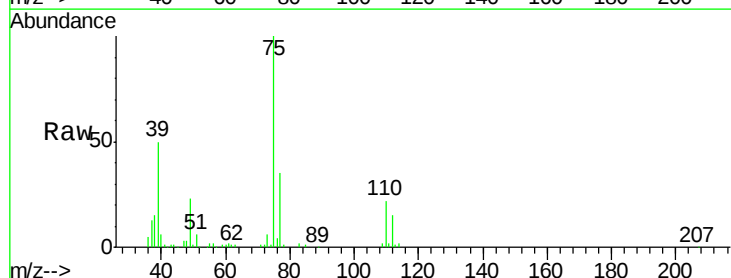
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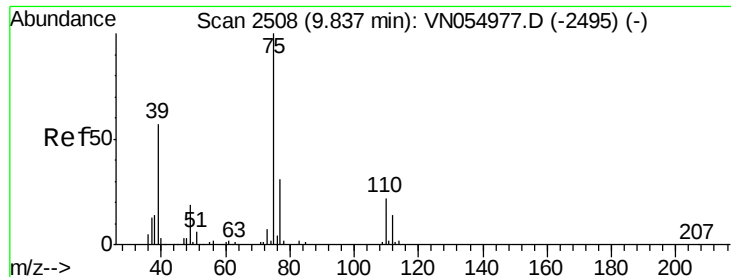
MMDadoda
4/12/2019 1:42:11 PM



#48
t-1,3-Dichloropropene
Concen: 18.639 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Tgt Ion: 75 Resp: 105103
Ion Ratio Lower Upper
75 100
77 33.7 24.6 37.0





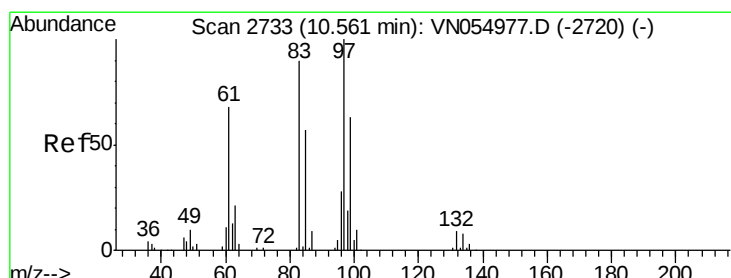
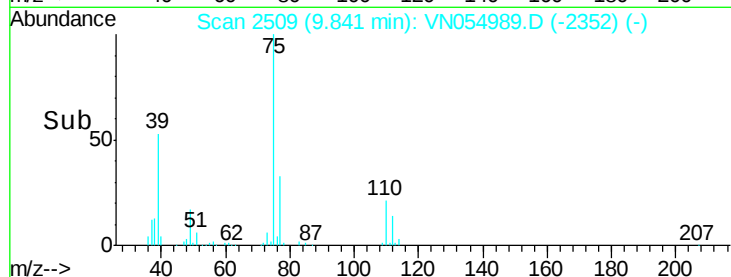
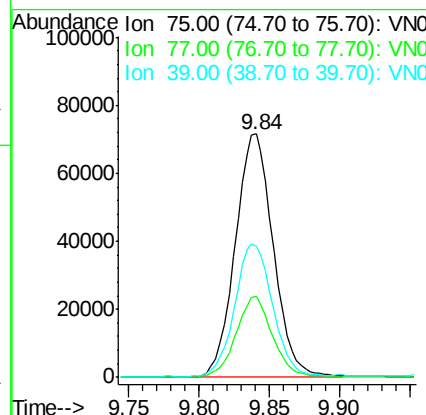
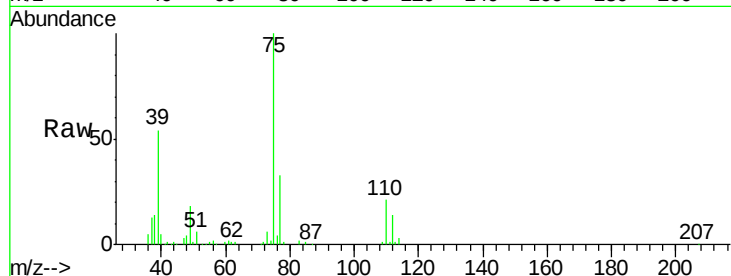
#49
 cis-1,3-Dichloropropene
 Concen: 19.422 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.0	24.7	37.1
39	53.5	45.3	67.9

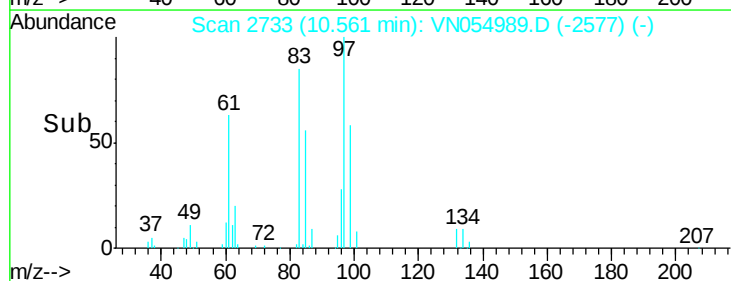
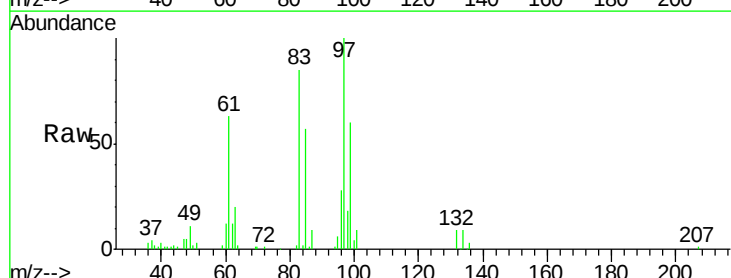
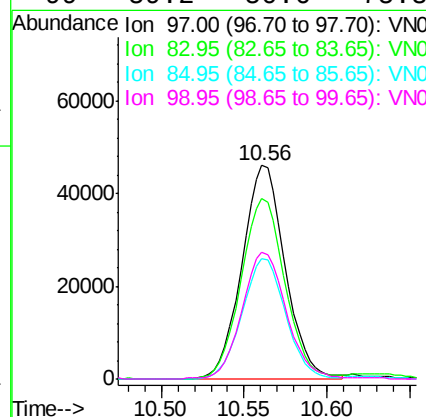
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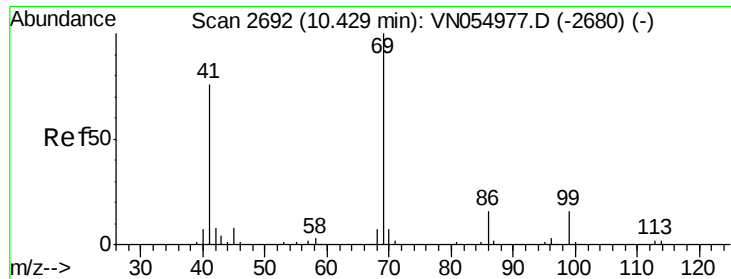
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#50
 1,1,2-Trichloroethane
 Concen: 20.651 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.8	72.1	108.1
85	56.5	45.4	68.0
99	59.2	50.6	75.8





#51

Ethyl methacrylate

Concen: 19.695 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054989.D

Acq: 11 Apr 2019 20:42

Instrument :

MSVOA_N

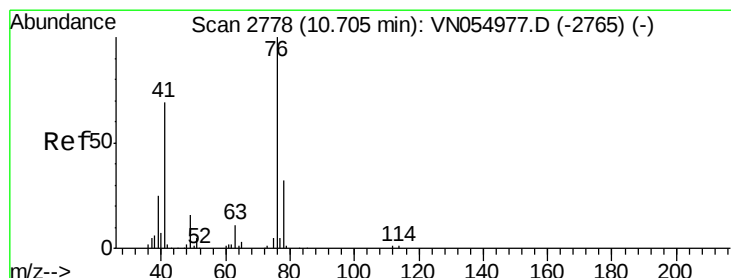
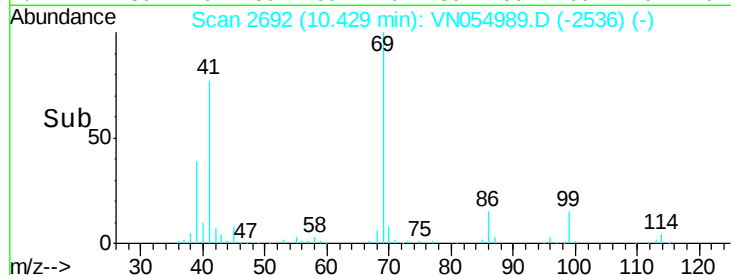
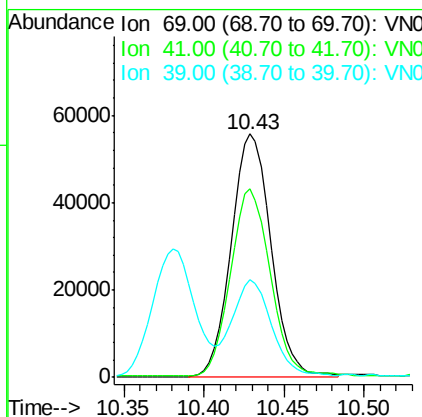
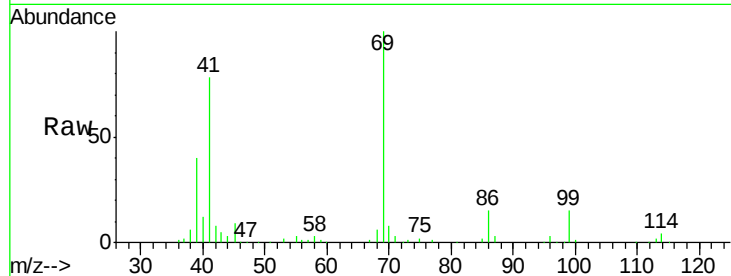
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	94876
Ion	Ratio	Lower	Upper
69	100		
41	77.0	37.9	113.7
39	39.0	19.8	59.4

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.302 ug/l

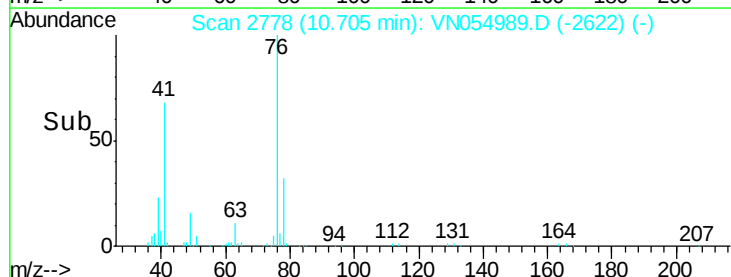
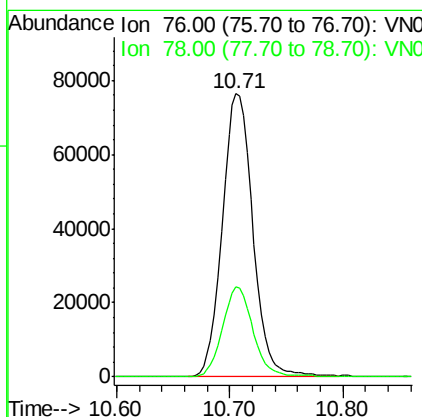
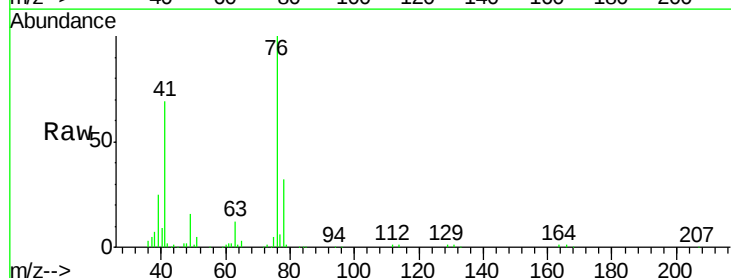
RT: 10.71 min Scan# 2778

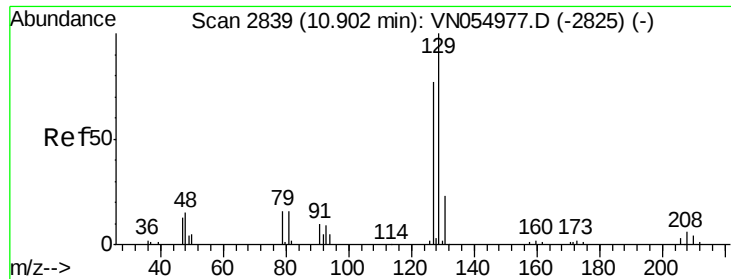
Delta R.T. 0.00 min

Lab File: VN054989.D

Acq: 11 Apr 2019 20:42

Tgt Ion:	76	Resp:	143766
Ion	Ratio	Lower	Upper
76	100		
78	31.8	0.0	64.4





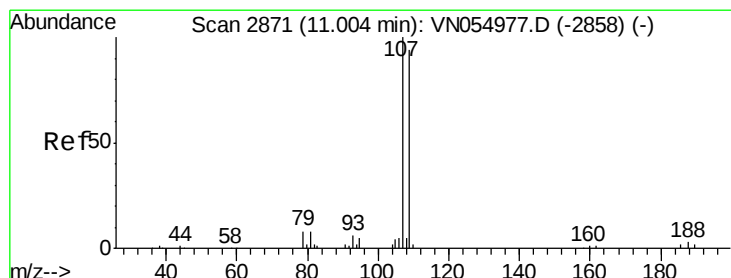
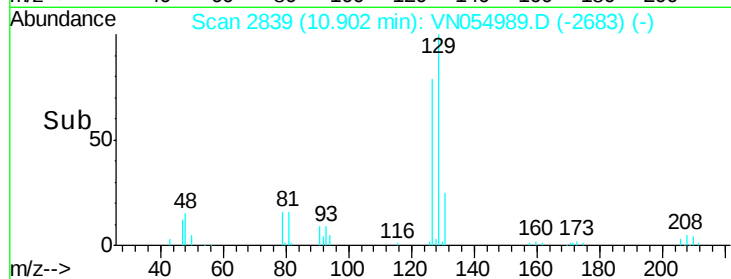
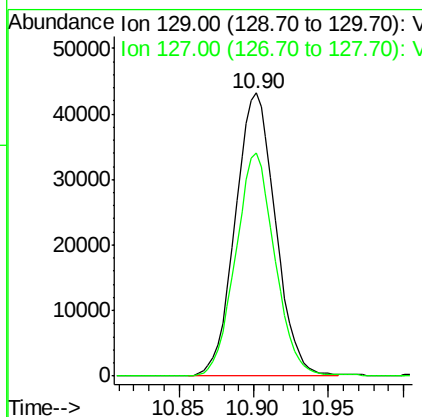
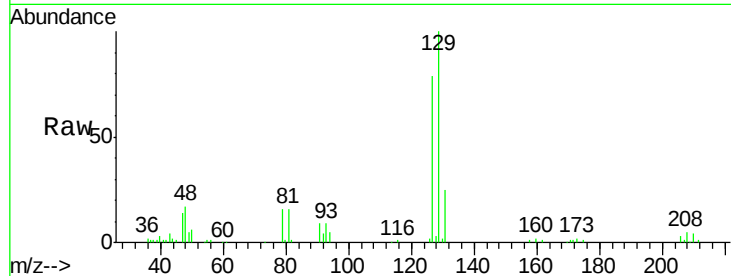
#53
 Dibromochloromethane
 Concen: 19.414 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:129 Resp: 80814
 Ion Ratio Lower Upper
 129 100
 127 76.7 37.8 113.3

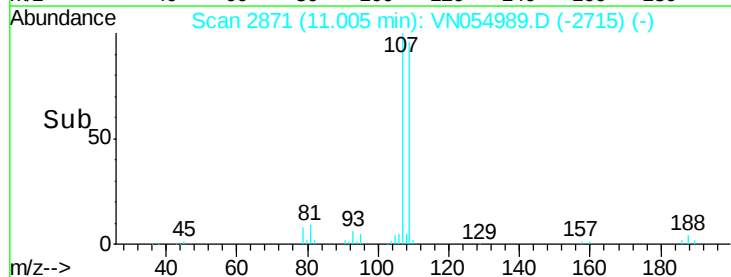
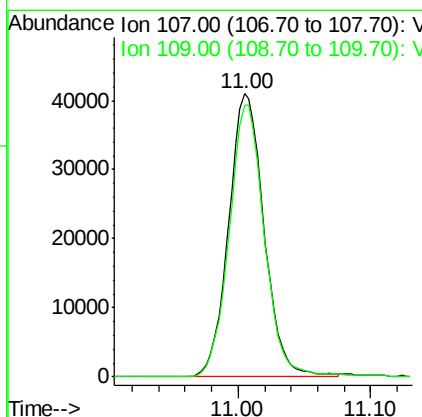
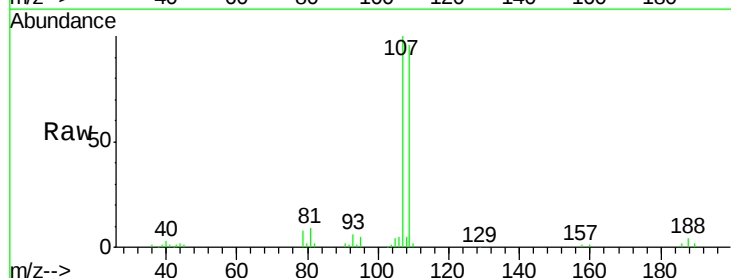
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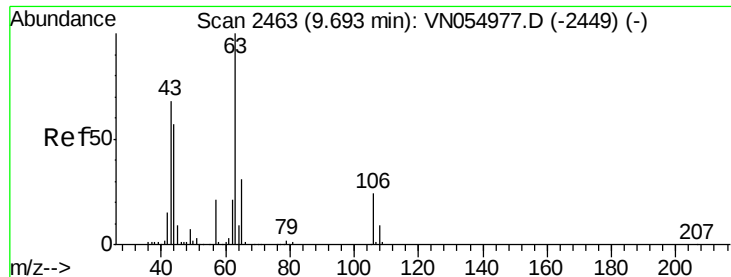
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#54
 1,2-Dibromoethane
 Concen: 20.013 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

Tgt Ion:107 Resp: 75928
 Ion Ratio Lower Upper
 107 100
 109 95.0 76.2 114.2





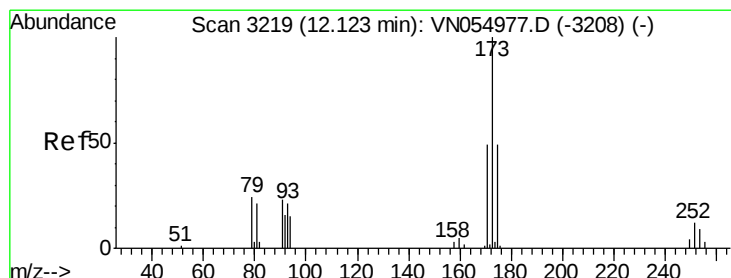
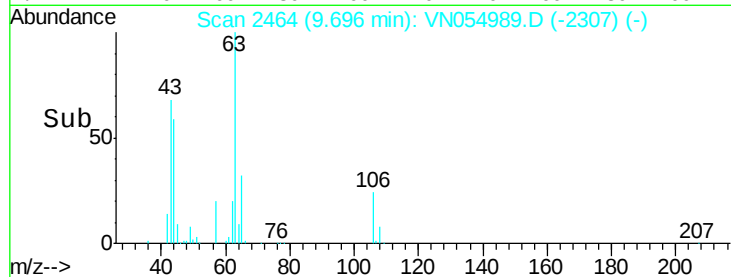
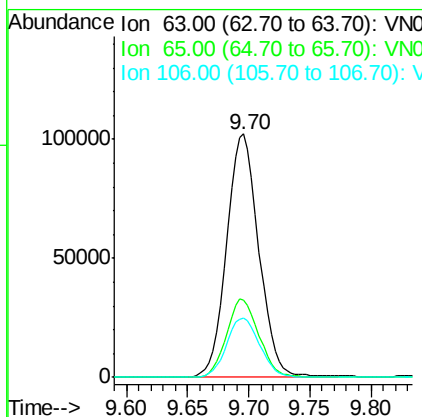
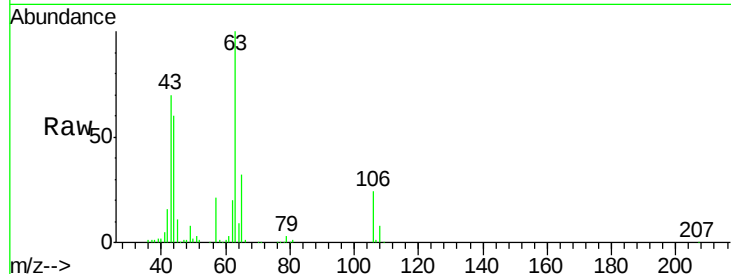
#55
 2-Chloroethyl vinyl ether
 Concen: 93.746 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.4	38.0
106	25.0	19.8	29.6

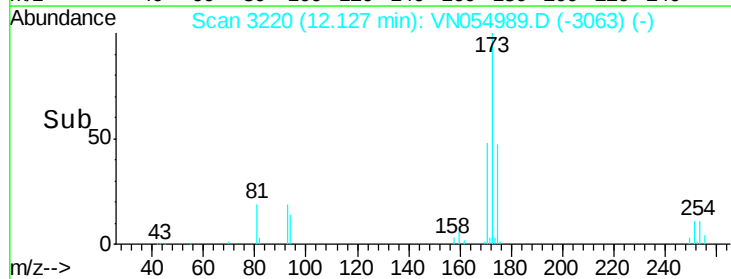
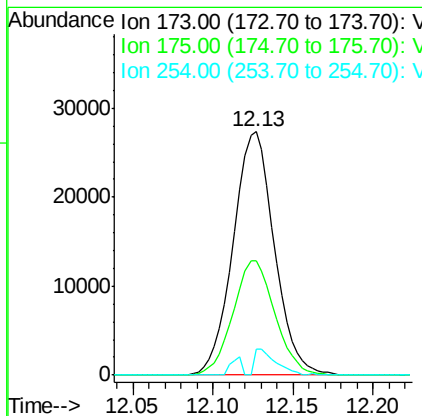
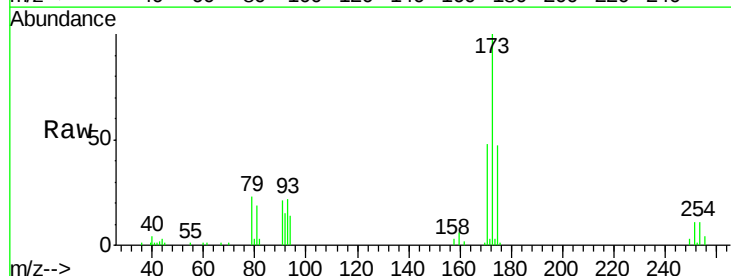
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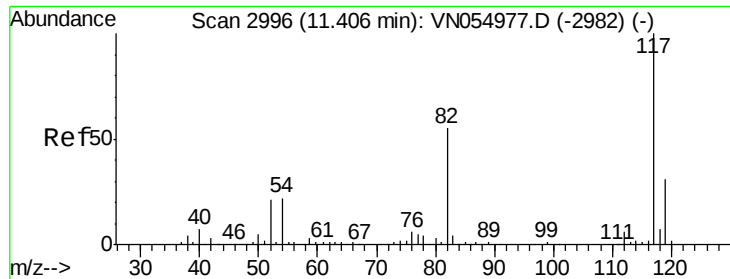
MMDadoda
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#56
 Bromoform
 Concen: 18.374 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.8	38.6	57.8
254	5.7	6.8	10.2





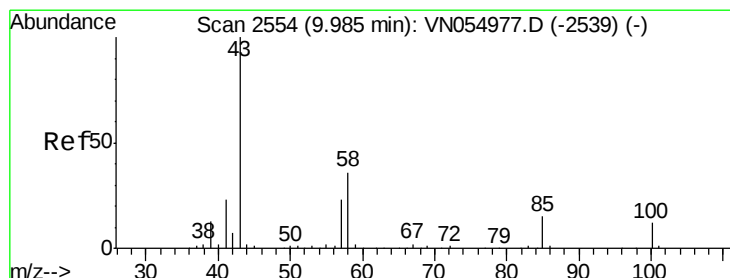
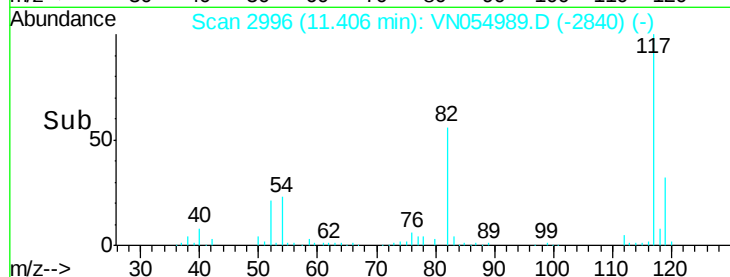
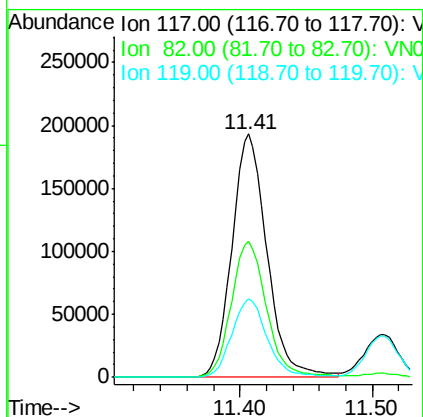
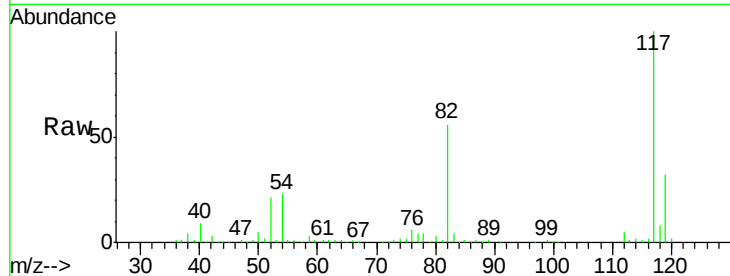
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	45.2	67.8
119	32.5	25.4	38.2

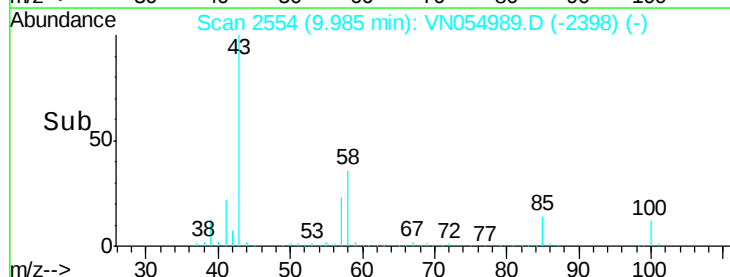
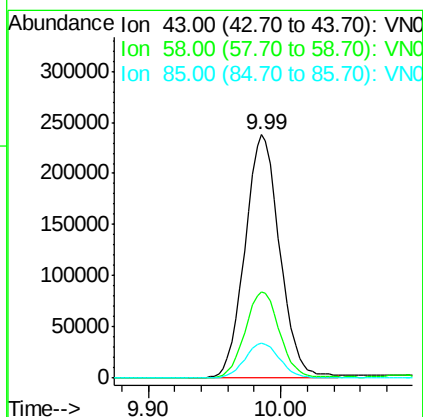
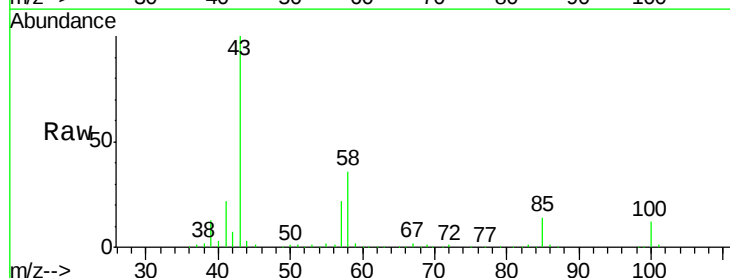
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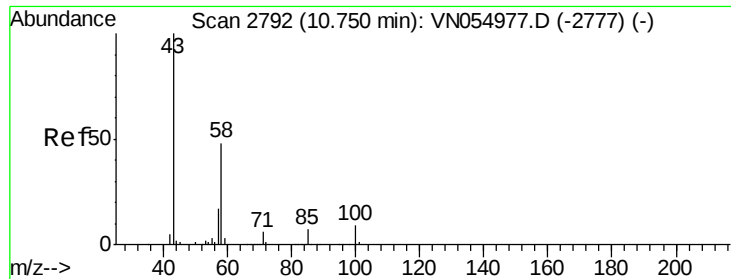
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 105.356 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.6	28.7	43.1
85	14.6	11.8	17.6





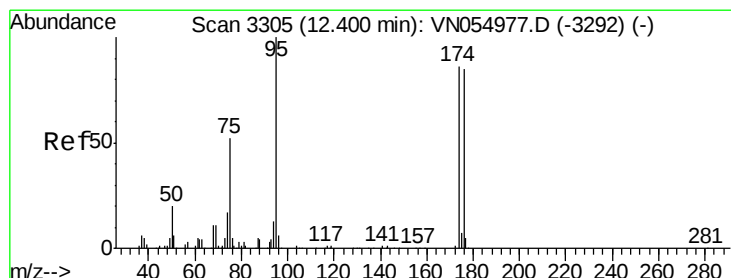
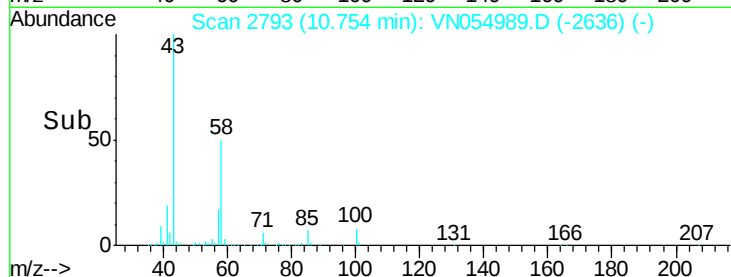
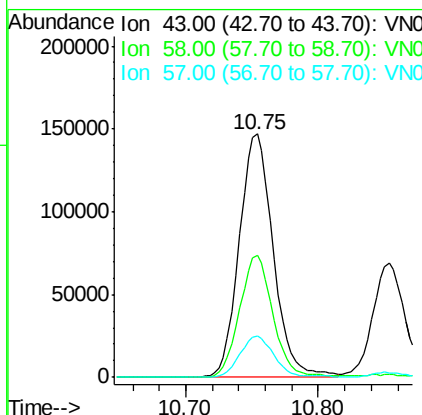
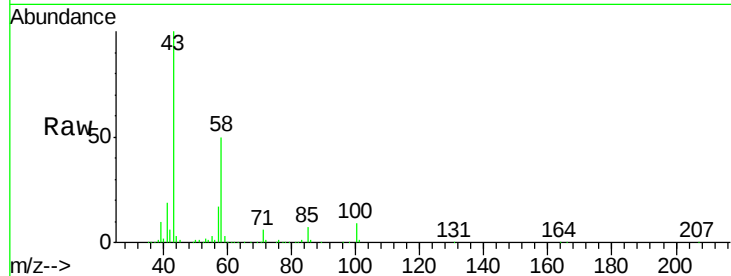
#59
2-Hexanone
Concen: 100.194 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.6	38.8	58.2
57	17.0	13.8	20.6

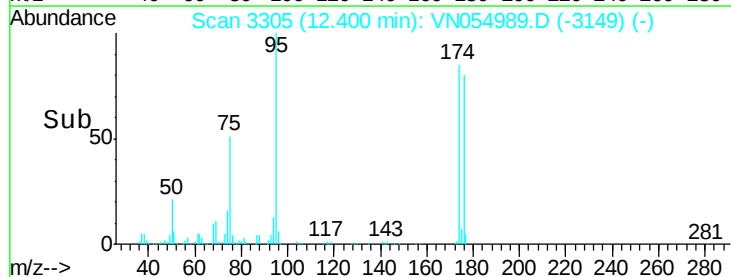
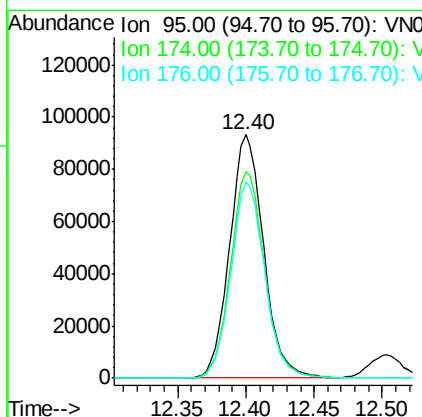
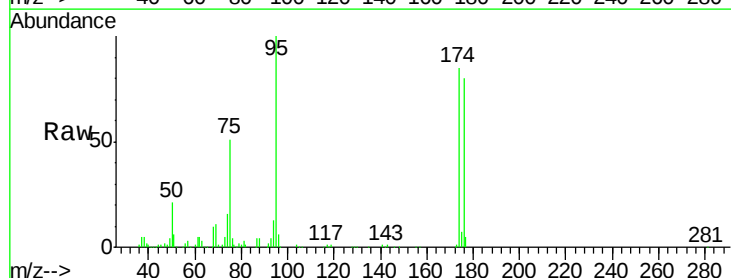
Manual Integrations
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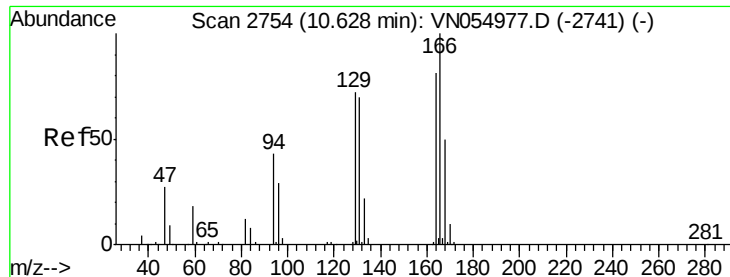
MMDadoda
4/12/2019 1:42:11 PM



#60
4-Bromofluorobenzene
Concen: 100.194 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.0	69.4	104.2
176	80.8	67.4	101.2





#61

Tetrachloroethene

Concen: 19.732 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN054989.D

Acq: 11 Apr 2019 20:42

Instrument :

MSVOA_N

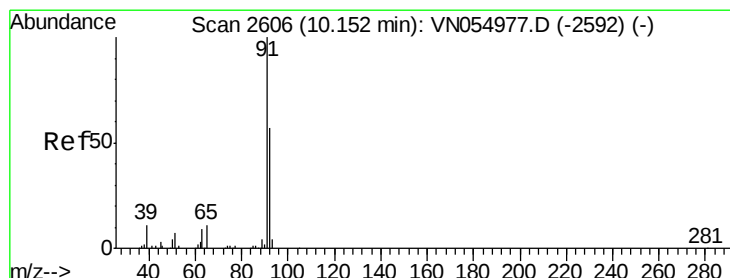
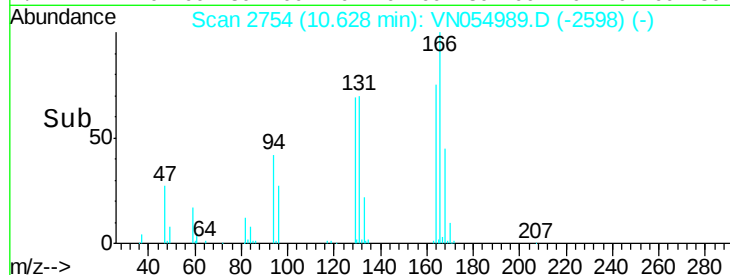
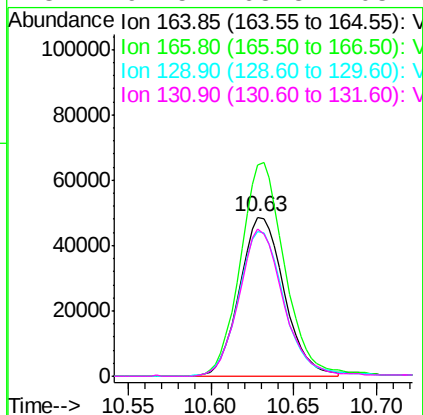
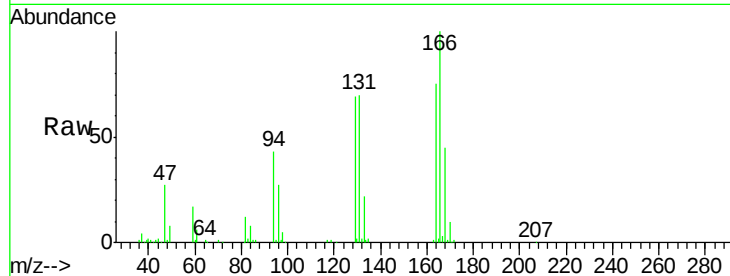
ClientSampleId :

VSTDCCC020EC

Tot Ion:	164	Resp:	91202
Ion	Ratio	Lower	Upper
164	100		
166	132.9	99.0	148.4
129	91.3	71.4	107.0
131	92.5	68.8	103.2

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#62

Toluene

Concen: 20.308 ug/l

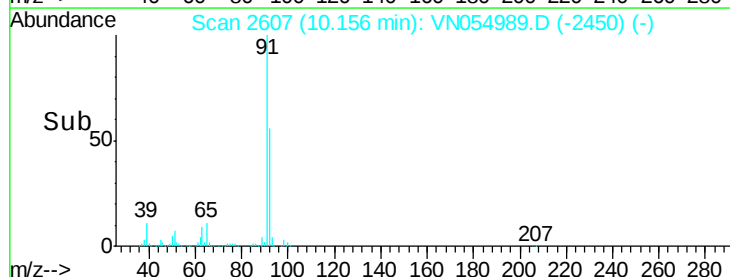
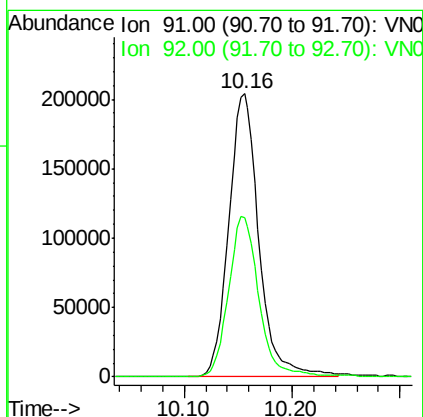
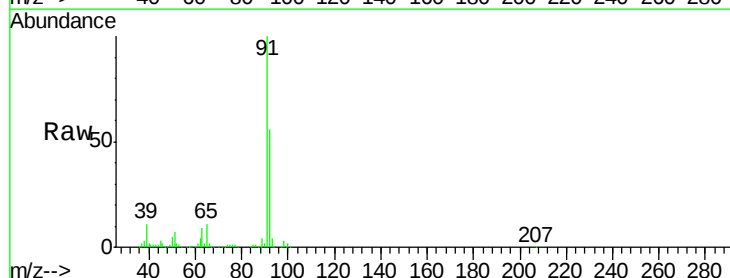
RT: 10.16 min Scan# 2607

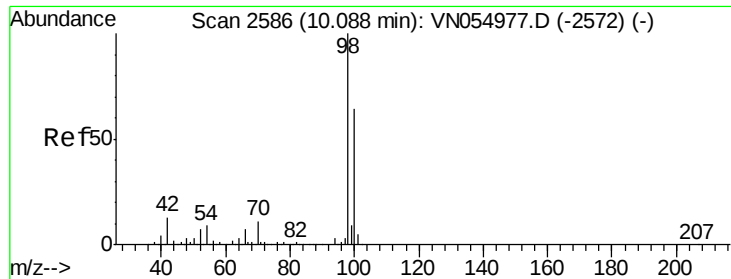
Delta R.T. 0.00 min

Lab File: VN054989.D

Acq: 11 Apr 2019 20:42

Tgt Ion:	91	Resp:	397410
Ion	Ratio	Lower	Upper
91	100		
92	57.2	44.8	67.2





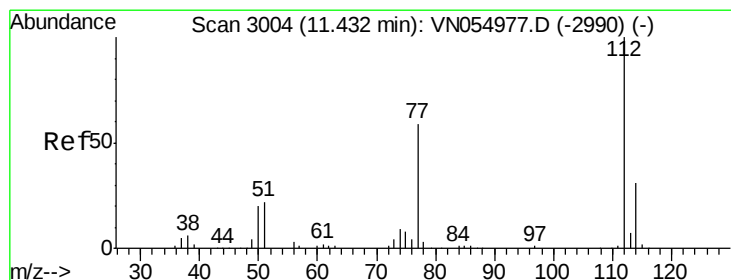
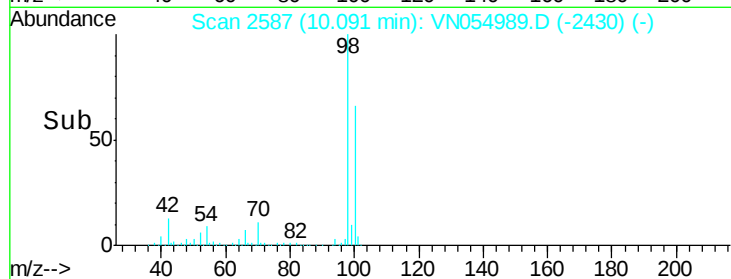
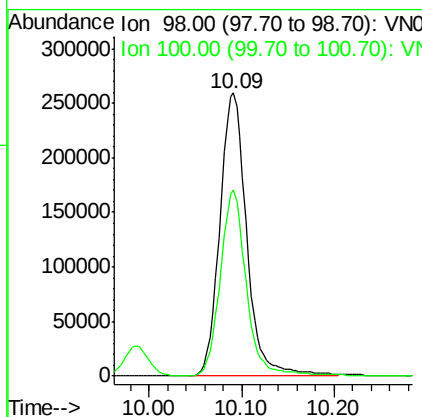
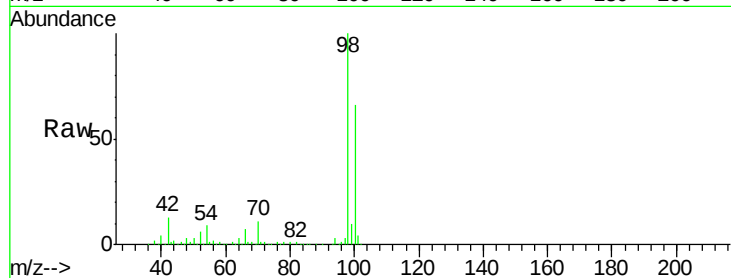
#63
Toluene-d8
Concen: 20.308 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 98 Resp: 522683
Ion Ratio Lower Upper
98 100
100 63.2 51.1 76.7

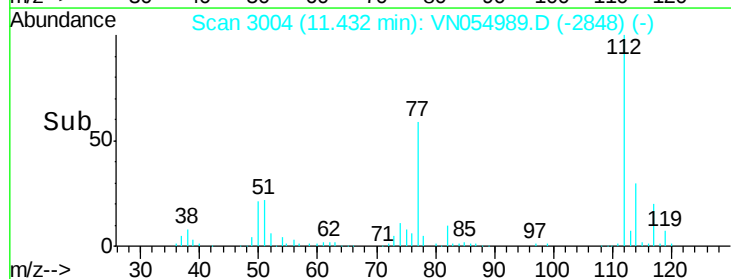
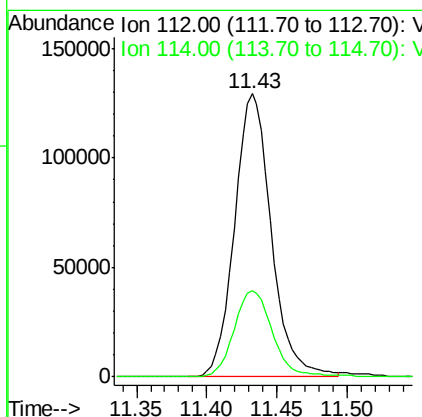
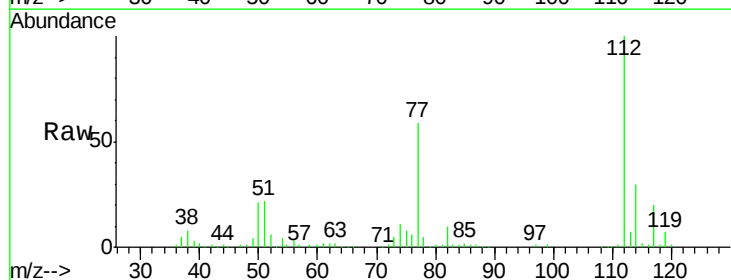
Manual Integrations
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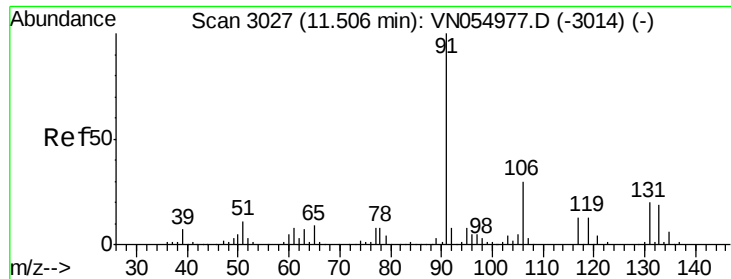
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#64
Chlorobenzene
Concen: 19.997 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Tgt Ion: 112 Resp: 236249
Ion Ratio Lower Upper
112 100
114 30.4 25.1 37.7





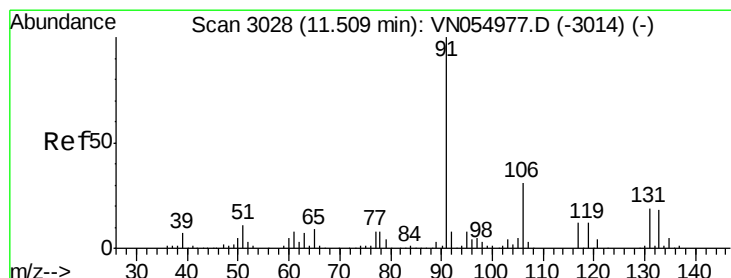
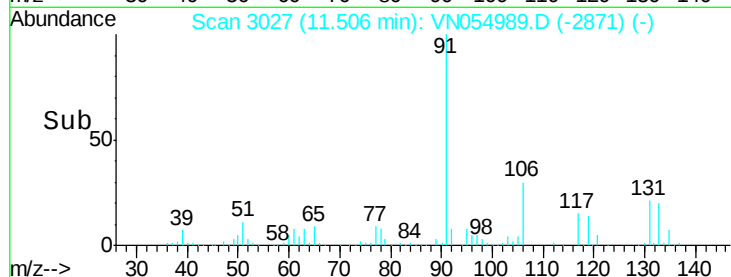
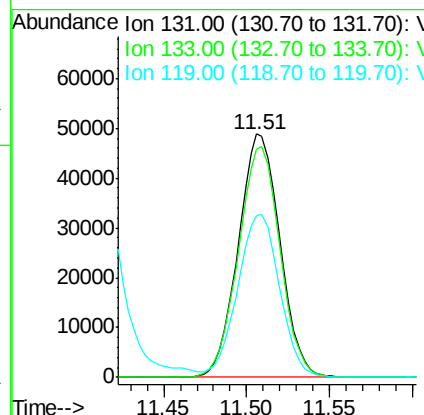
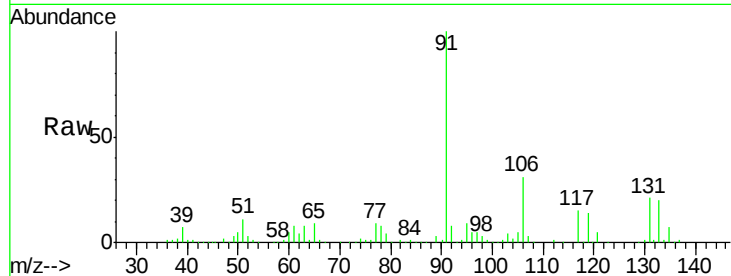
#65
 1,1,1,2-Tetrachloroethane
 Concen: 20.272 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
131	100		
133	94.8	0.0	187.8
119	67.4	0.0	131.4

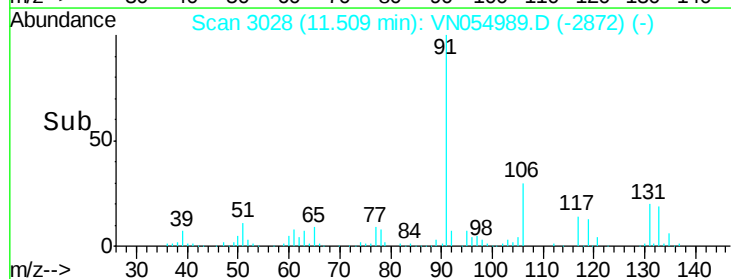
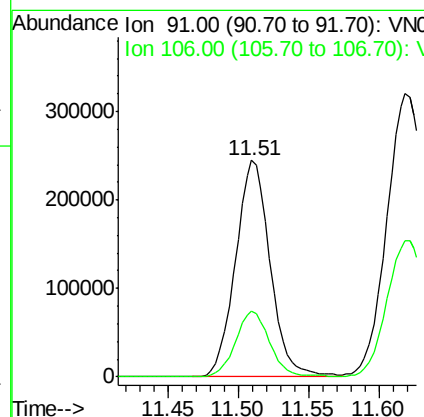
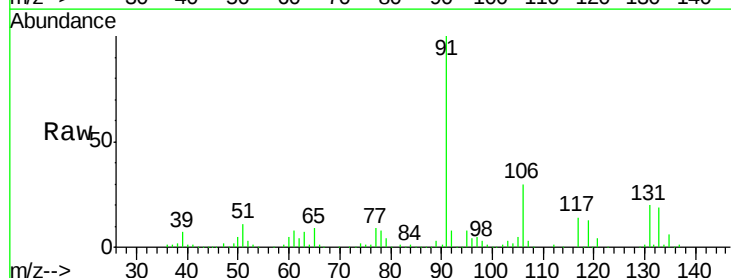
Manual Integrations
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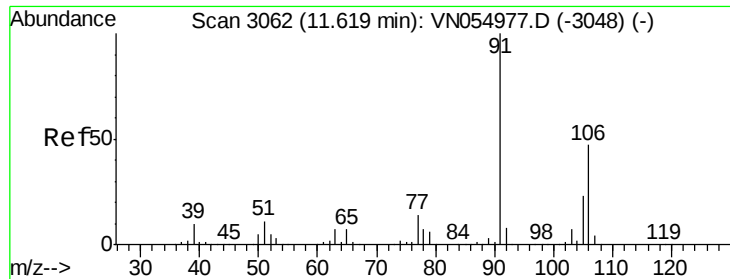
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#66
 Ethyl Benzene
 Concen: 20.118 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.6	36.8





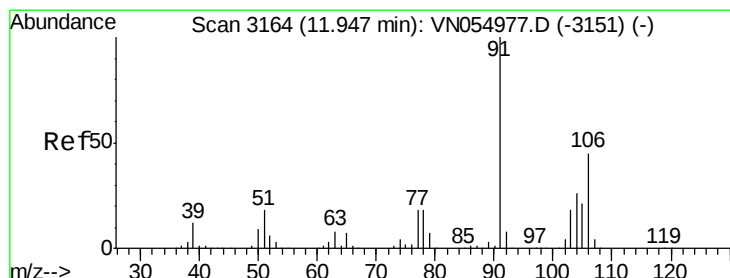
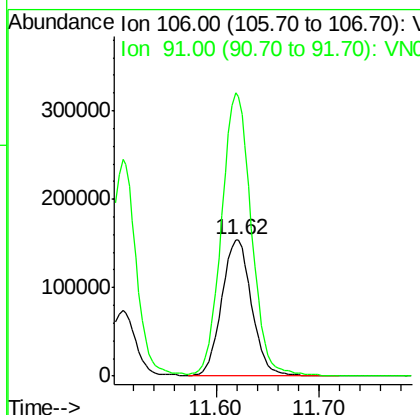
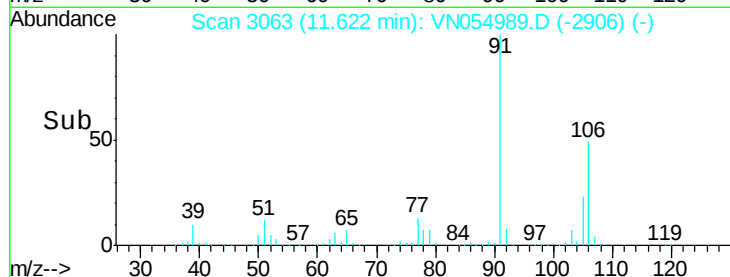
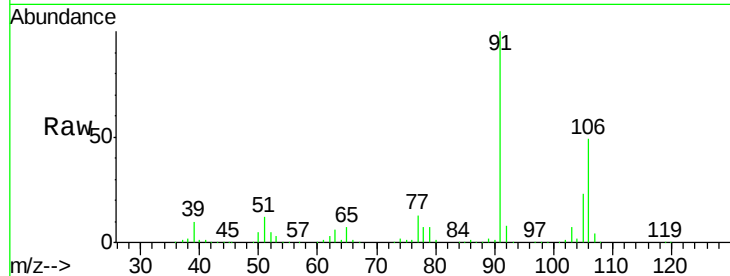
#67
m/p-Xvlenes
Concen: 40.189 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:106 Resp: 313376
Ion Ratio Lower Upper
106 100
91 206.4 167.4 251.2

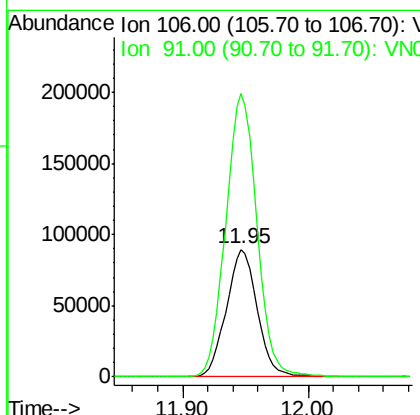
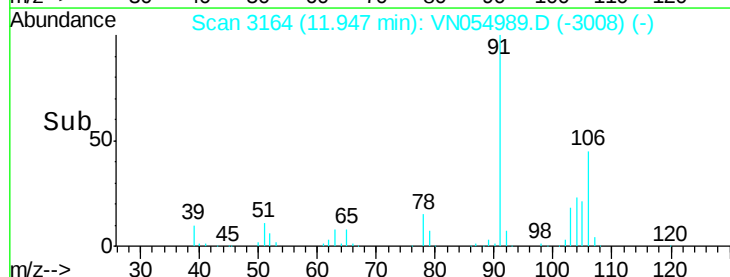
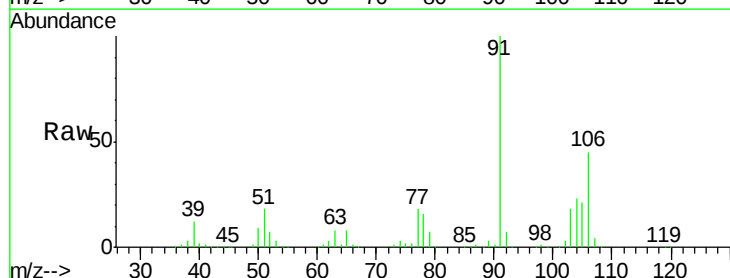
Manual Integrations
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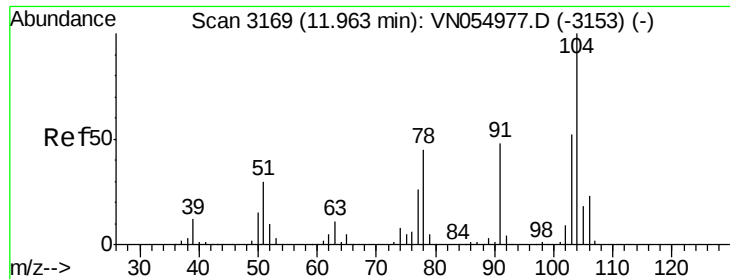
MMDadoda
4/12/2019 1:42:11 PM



#68
o-Xylene
Concen: 19.844 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Tgt Ion:106 Resp: 152913
Ion Ratio Lower Upper
106 100
91 224.4 110.3 330.8





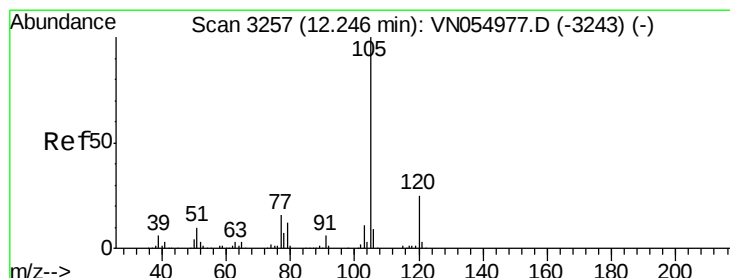
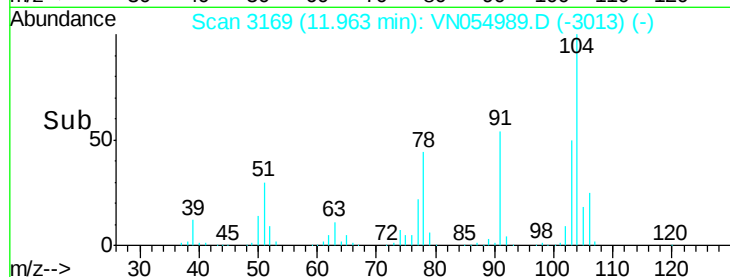
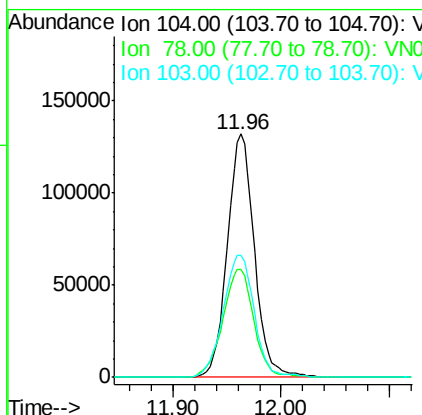
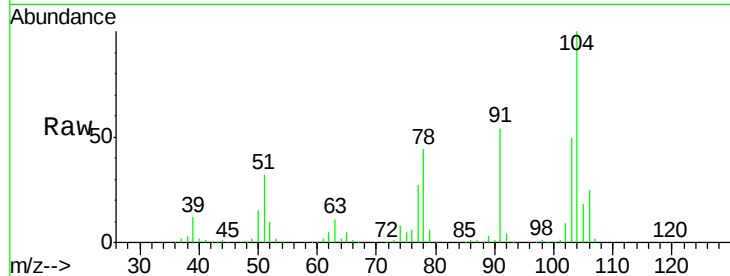
#69
Stvrene
Concen: 19.346 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.9	41.2	61.8
103	57.6	44.6	67.0

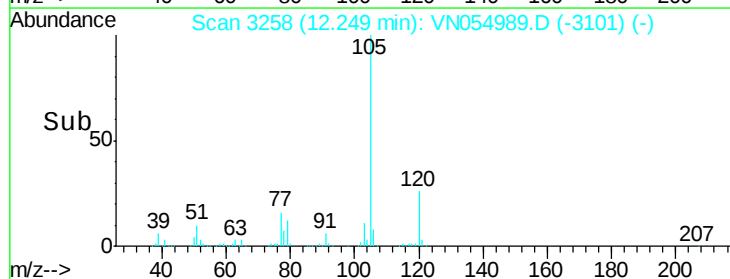
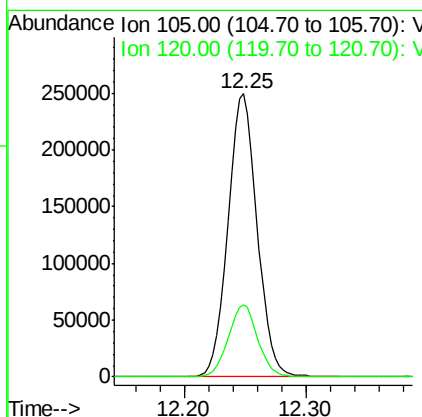
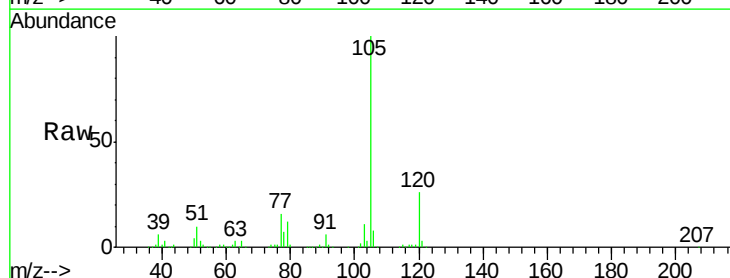
Manual Integrations
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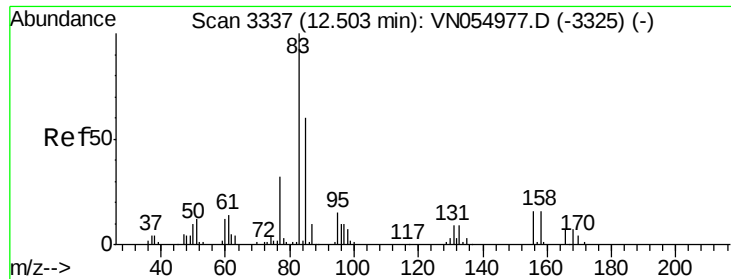
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#70
Isopropylbenzene
Concen: 20.154 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.9	18.3	33.9





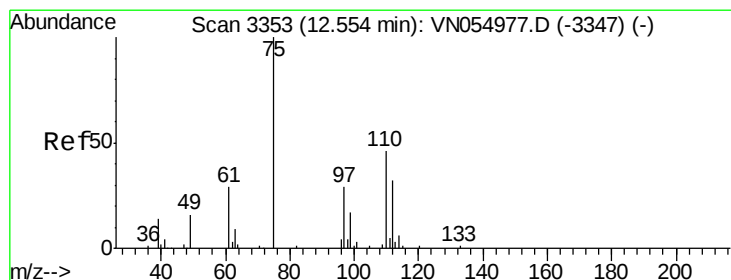
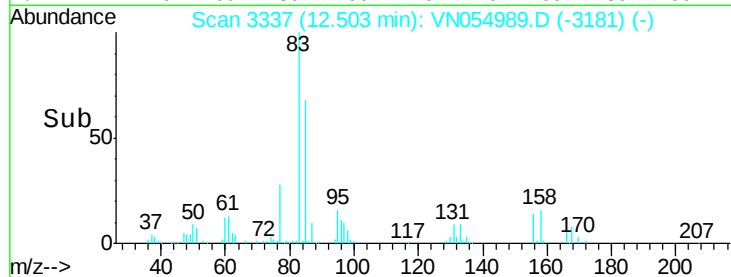
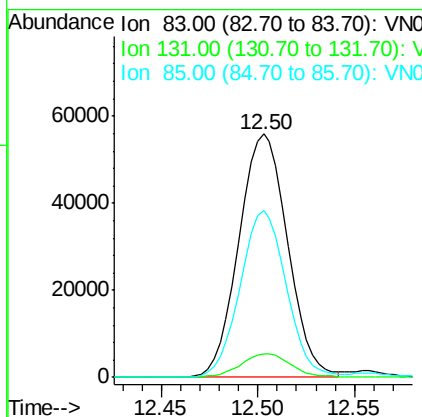
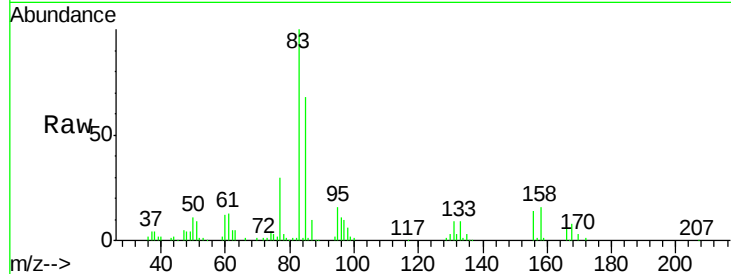
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.857 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	83	Resp	98283
Ion Ratio	100	Lower	Upper
83	100		
131	10.0	4.6	13.8
85	65.2	30.9	92.5

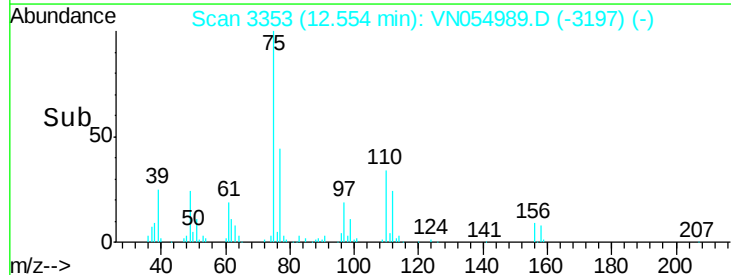
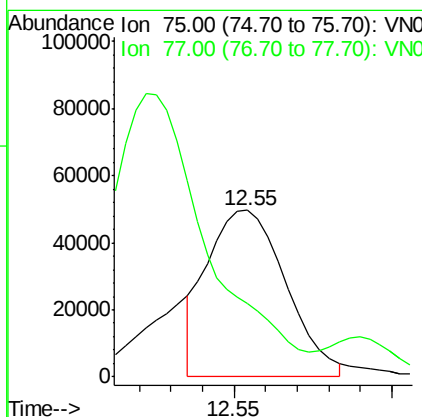
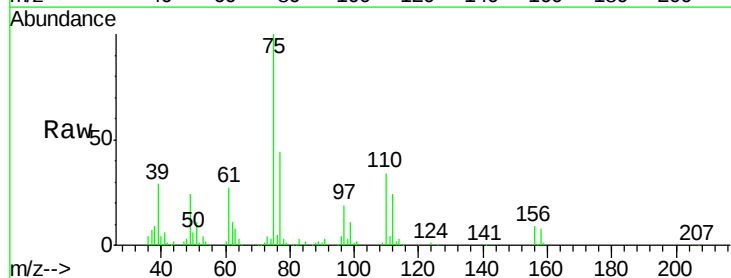
Manual Integrations
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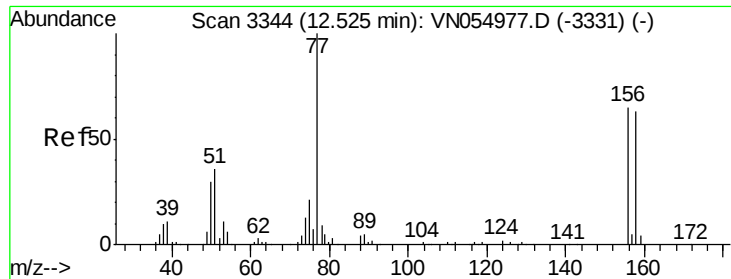
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#72
 1,2,3-Trichloropropane
 Concen: 22.122 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

Tgt Ion	75	Resp	86090
Ion Ratio	100	Lower	Upper
75	100		
77	211.9	0.0	466.6





#73

Bromobenzene

Concen: 20.006 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054989.D

Acq: 11 Apr 2019 20:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:156 Resp: 97423

Ion Ratio Lower Upper

156 100

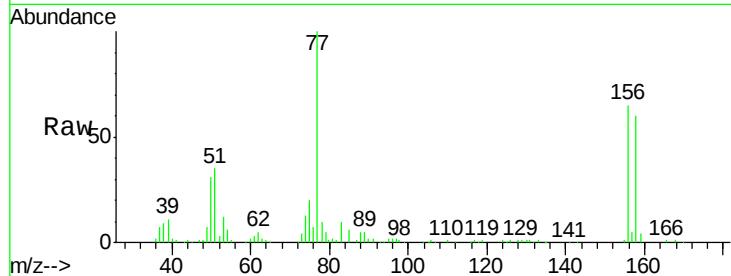
77 187.2 0.0 383.2

158 96.5 0.0 193.8

Manual Integrations
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MMDadoda

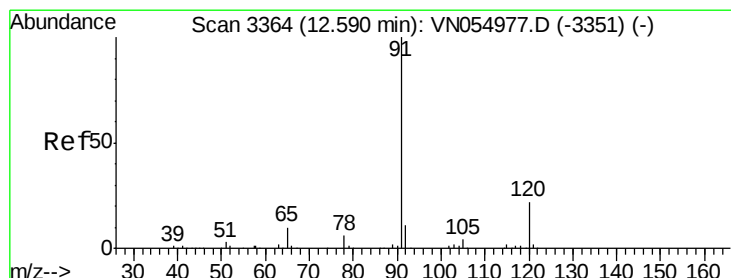
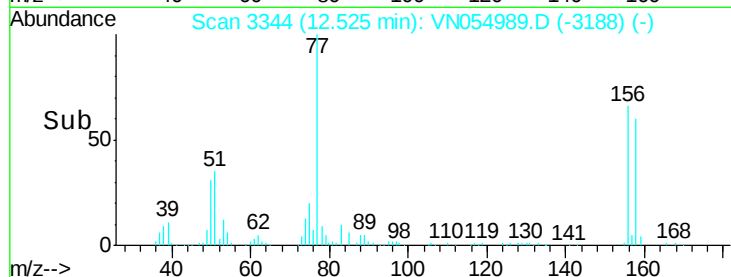
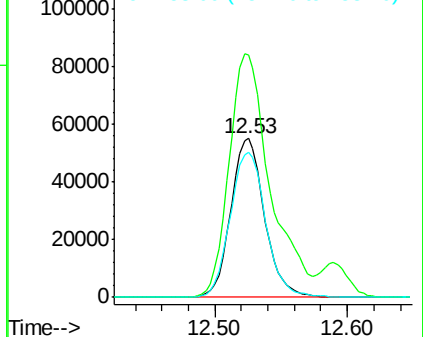
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.447 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054989.D

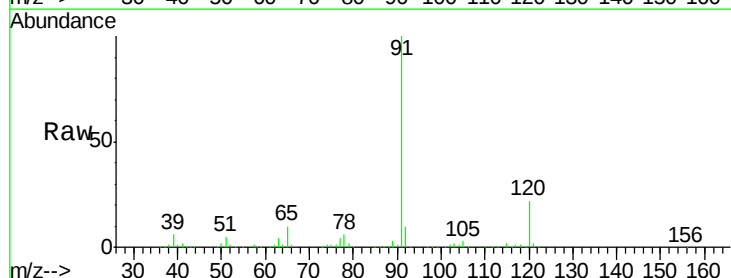
Acq: 11 Apr 2019 20:42

Tgt Ion: 91 Resp: 448552

Ion Ratio Lower Upper

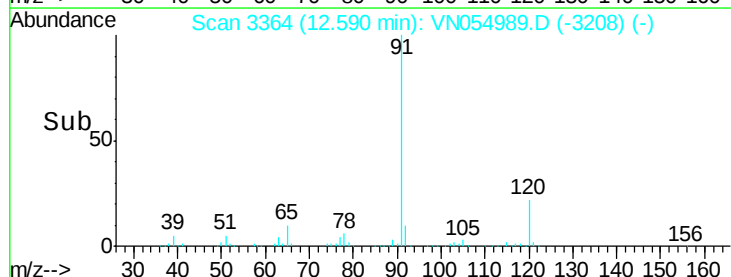
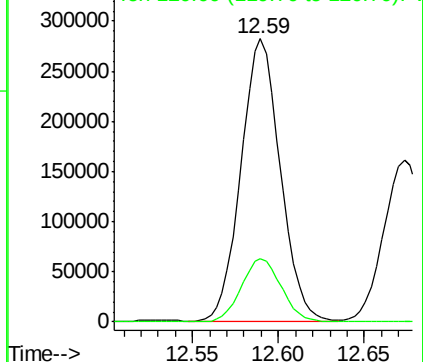
91 100

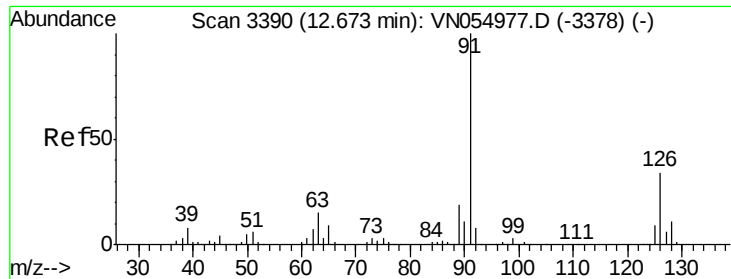
120 22.6 0.0 44.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.838 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054989.D

Acq: 11 Apr 2019 20:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 275966

Ion Ratio Lower Upper

91 100

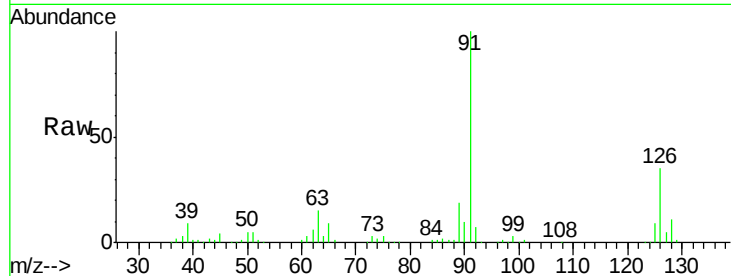
126 34.4 0.0 67.4

Manual Integrations

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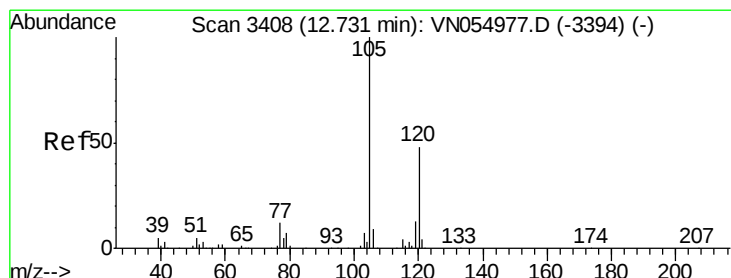
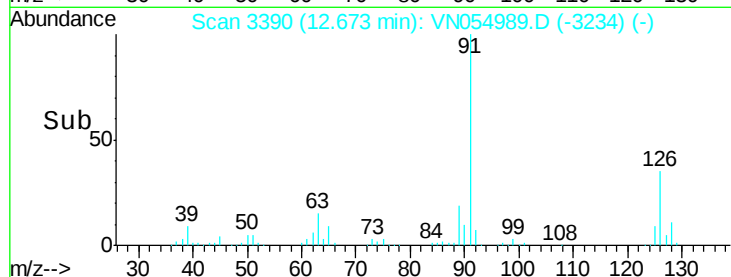
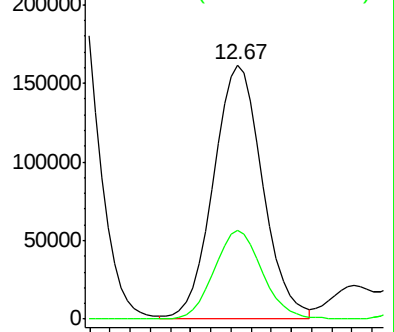
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Abundance Ion 91.00 (90.70 to 91.70): VN054977.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN054977.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.561 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054989.D

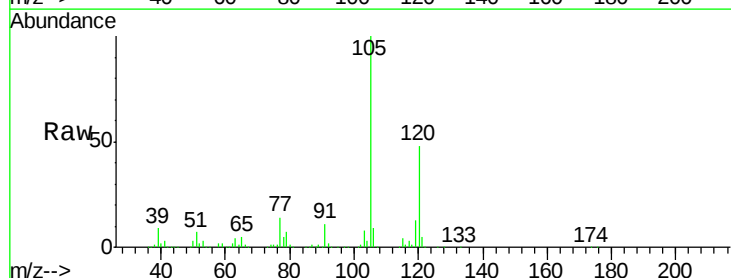
Acq: 11 Apr 2019 20:42

Tgt Ion: 105 Resp: 325817

Ion Ratio Lower Upper

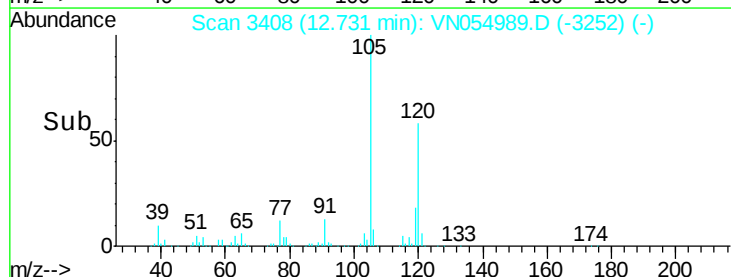
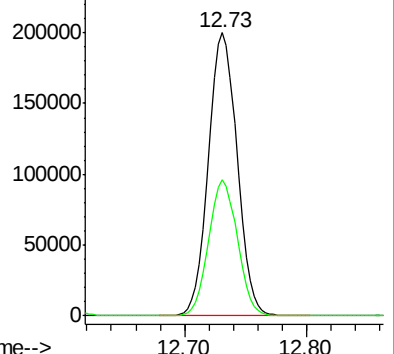
105 100

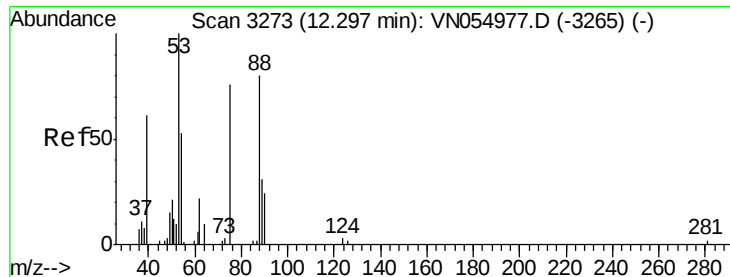
120 47.9 0.0 94.8



Abundance Ion 105.00 (104.70 to 105.70): VN054977.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN054977.D (-3394) (-)





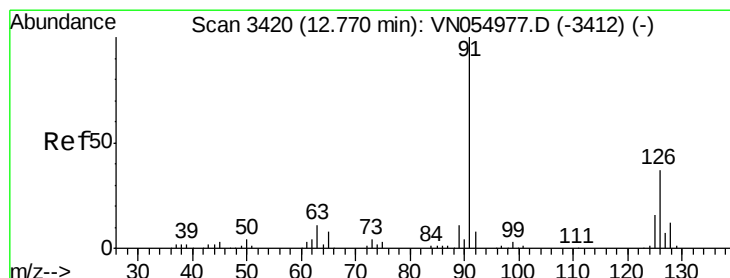
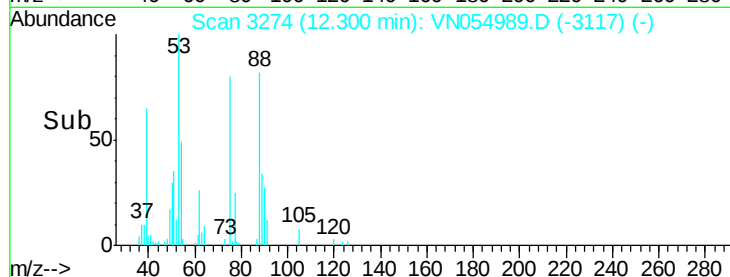
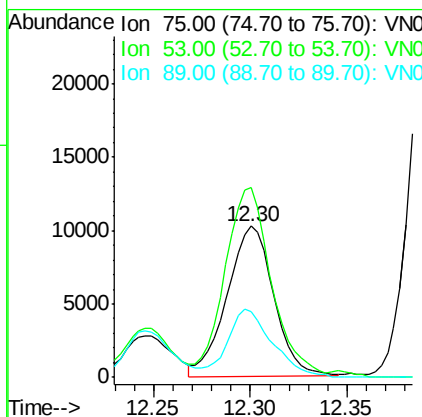
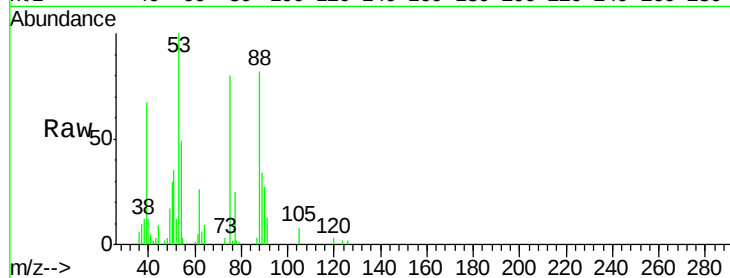
#77
t-1,4-Dichloro-2-butene
Concen: 17.471 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	122.6	64.3	192.7
89	43.8	21.6	65.0

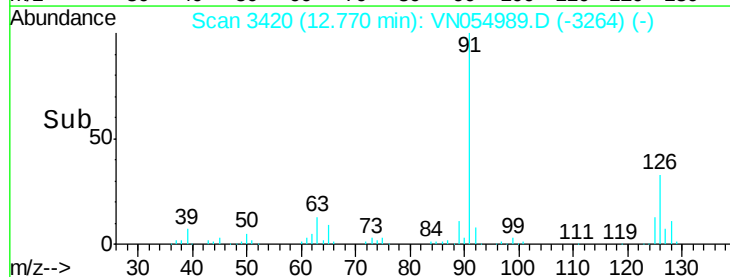
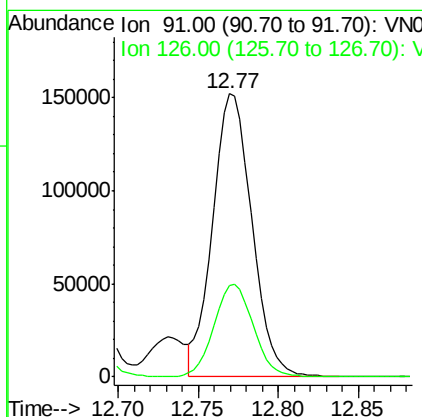
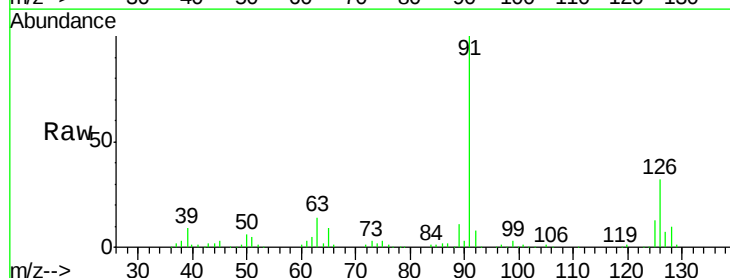
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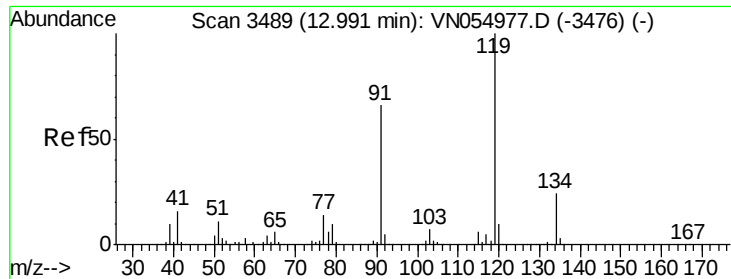
MMDadoda
4/12/2019 1:42:11 PM



#78
4-Chlorotoluene
Concen: 19.284 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	0.0	66.6





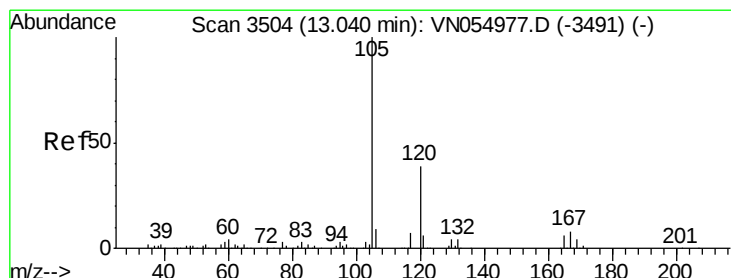
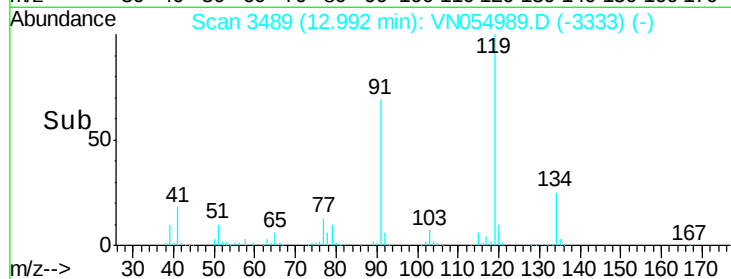
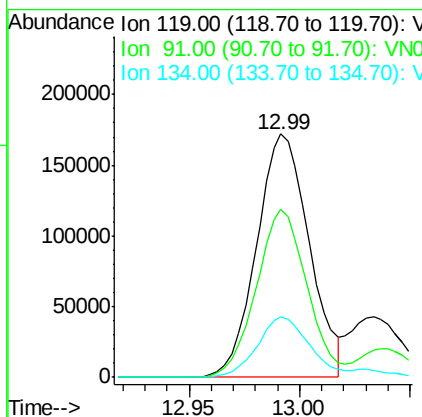
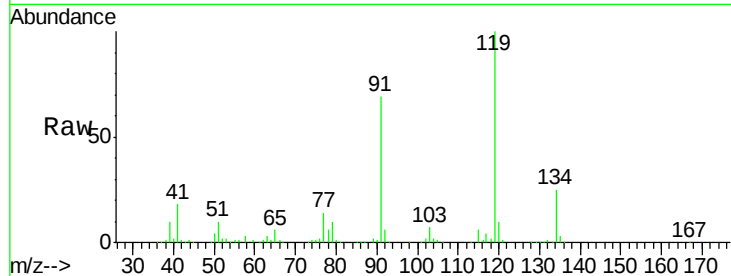
#79
tert-butylbenzene
Concen: 19.768 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	284909		
91	66.5	0.0	132.6	
134	24.5	0.0	47.6	

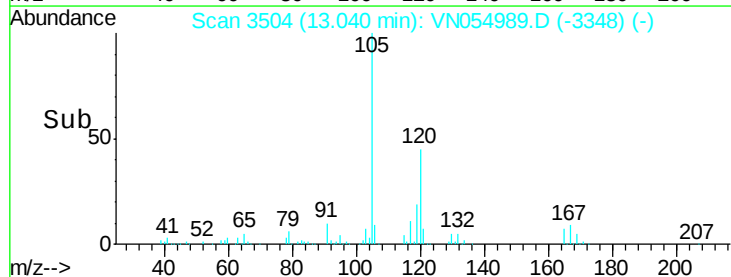
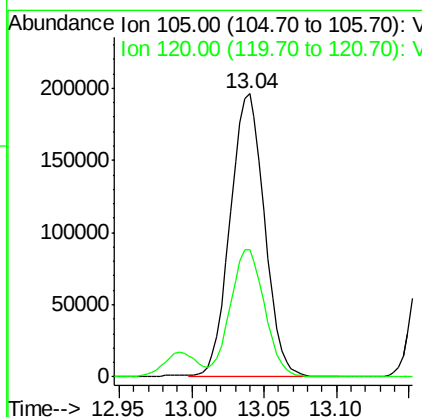
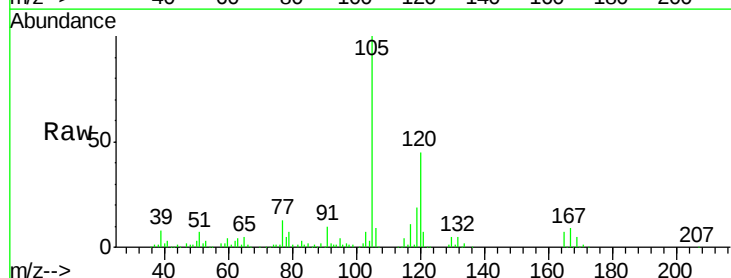
Manual Integrations
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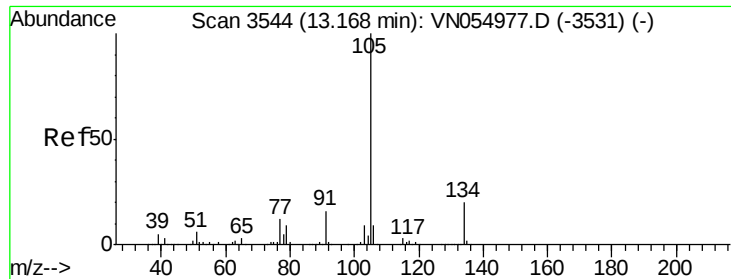
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#80
1,2,4-Trimethylbenzene
Concen: 19.693 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	322240		
120	44.8	0.0	91.4	





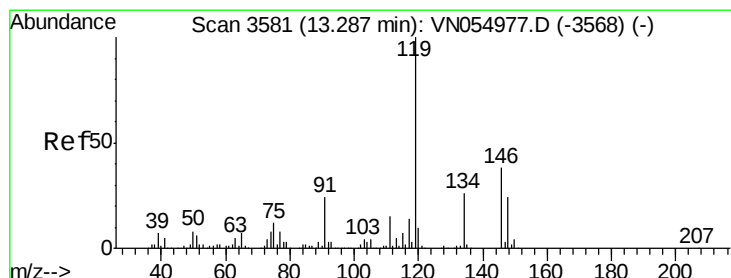
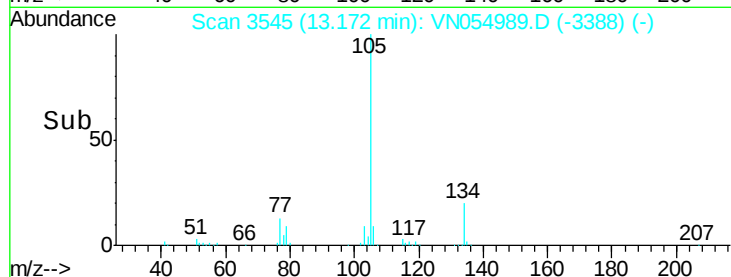
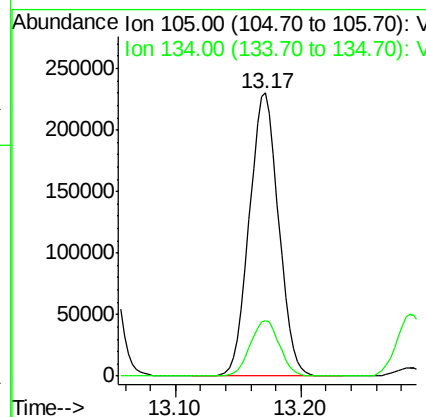
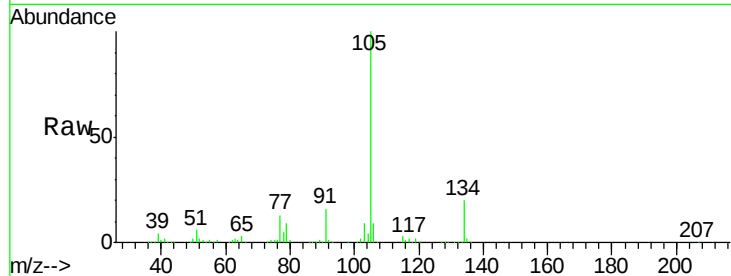
#81
 sec-Butylbenzene
 Concen: 19.444 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.7	0.0	40.0

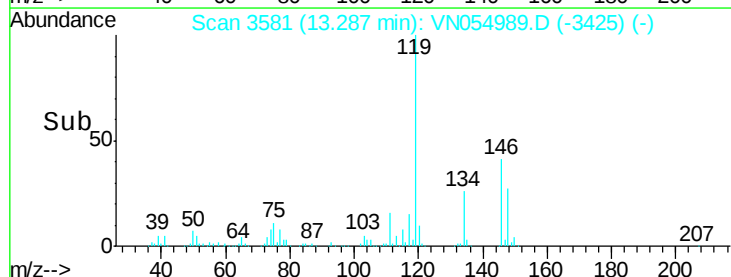
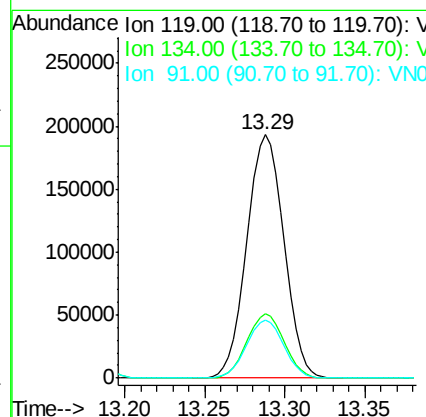
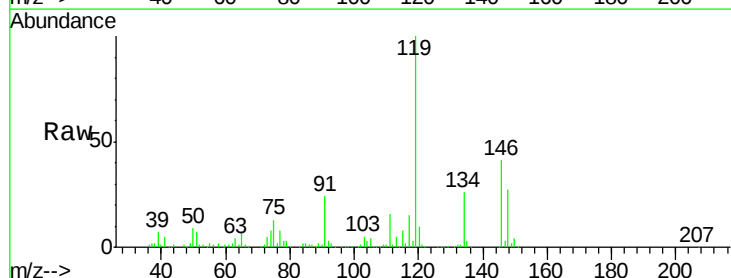
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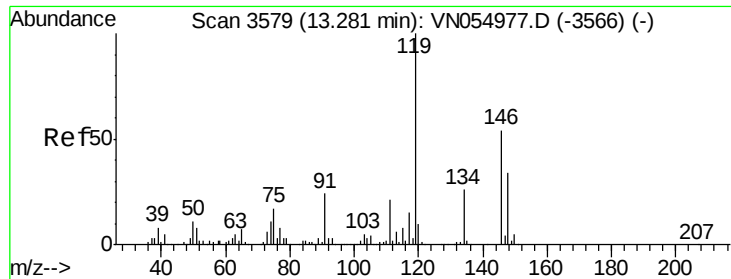
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#82
 p-Isopropyltoluene
 Concen: 18.848 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	0.0	53.2
91	23.9	0.0	47.8





#83

1,3-Dichlorobenzene

Concen: 19.031 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN054989.D

Acq: 11 Apr 2019 20:42

Instrument :

MSVOA_N

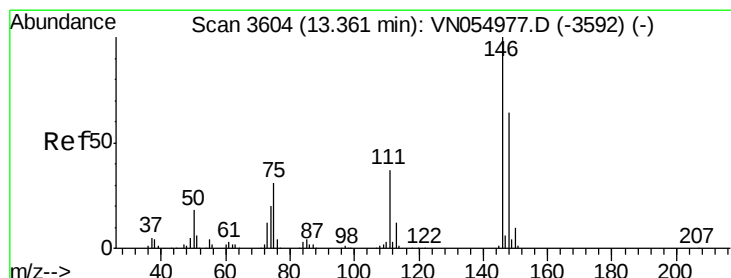
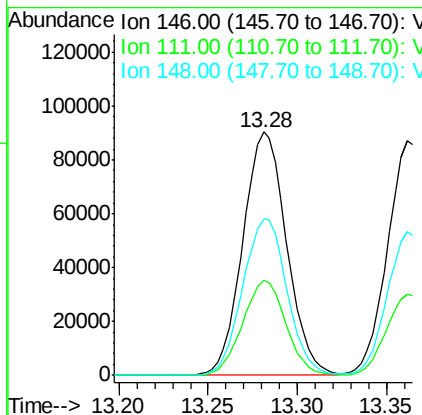
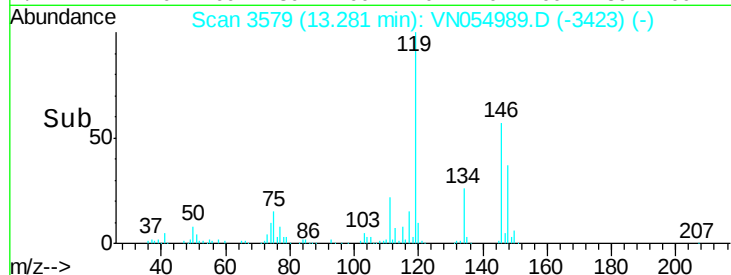
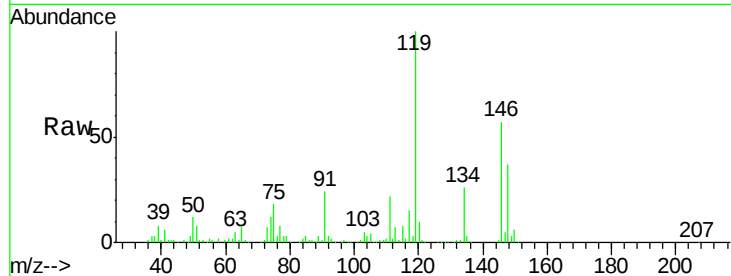
ClientSampleId :

VSTDCCC020EC

Tot Ion:	146	Resp:	155040
Ion Ratio	Lower	Upper	
146	100		
111	38.3	19.1	57.5
148	65.0	31.9	95.5

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#84

1,4-Dichlorobenzene

Concen: 18.830 ug/l

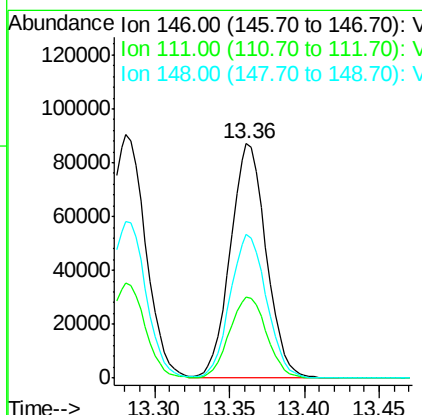
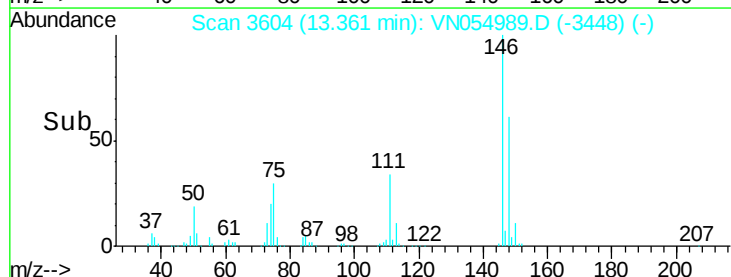
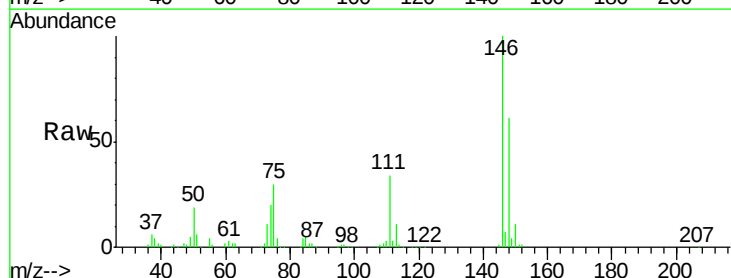
RT: 13.36 min Scan# 3604

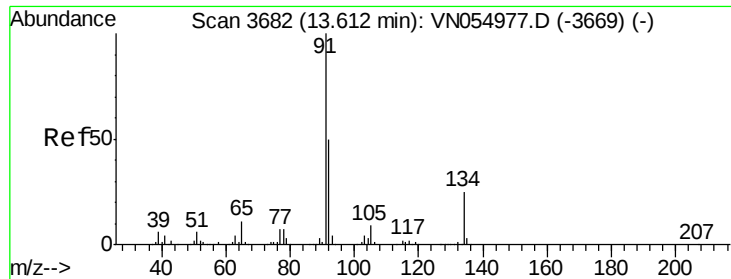
Delta R.T. 0.00 min

Lab File: VN054989.D

Acq: 11 Apr 2019 20:42

Tgt Ion:	146	Resp:	145779
Ion Ratio	Lower	Upper	
146	100		
111	35.5	18.4	55.2
148	62.2	32.5	97.4





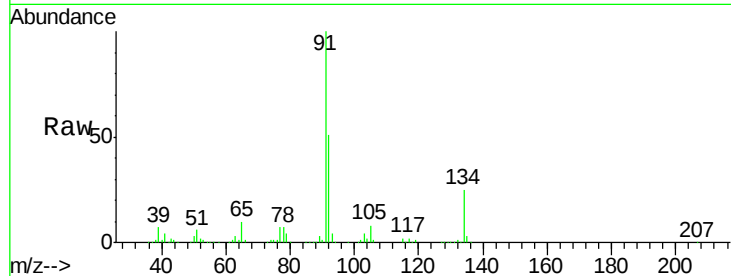
#85
n-Butylbenzene
Concen: 16.996 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

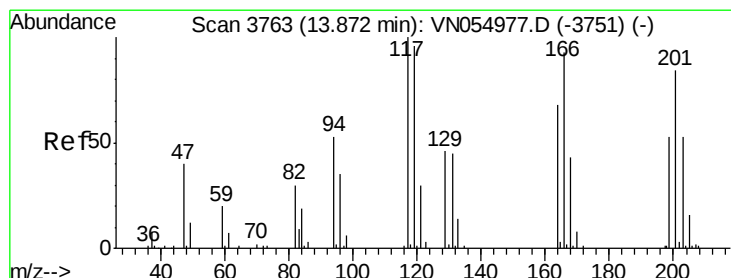
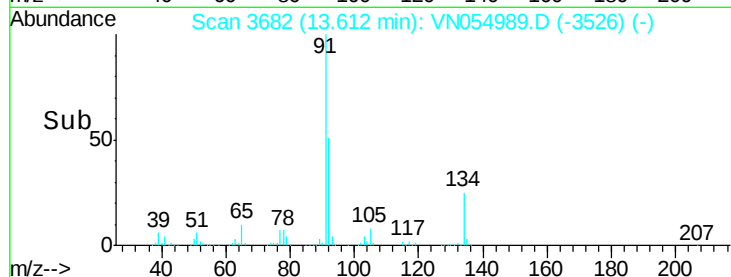
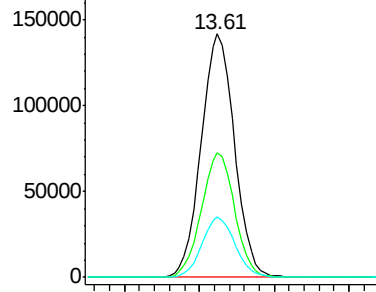
Tot Ion	Ratio	Resp	Lower	Upper
91	100	220033		
92	50.9		0.0	101.4
134	24.5		0.0	49.8

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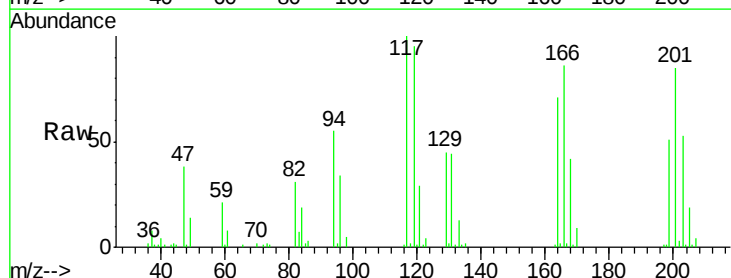


Abundance Ion 91.00 (90.70 to 91.70): VN054977.D (-3669) (-)

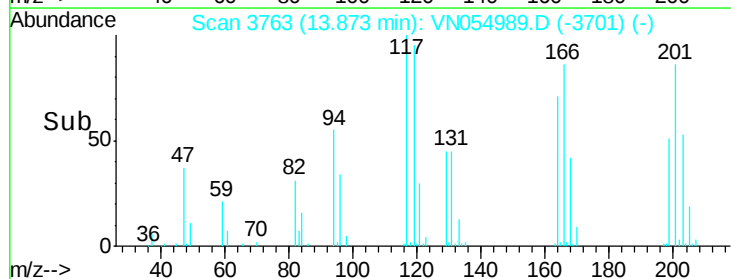
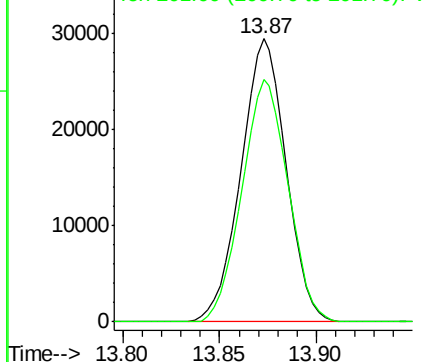


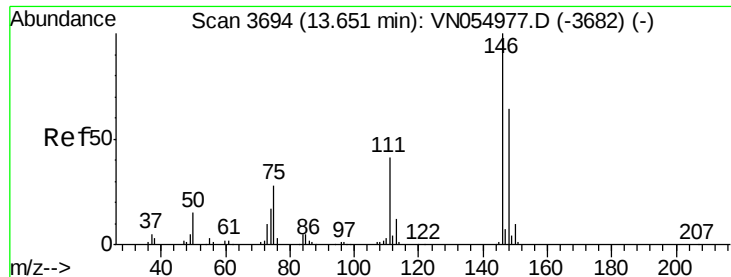
#86
Hexachloroethane
Concen: 18.345 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	47730		
201	87.3		42.8	128.3



Abundance Ion 117.00 (116.70 to 117.70): VN054977.D (-3751) (-)





#87

1,2-Dichlorobenzene

Concen: 20.100 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN054989.D

Acq: 11 Apr 2019 20:42

Instrument :

MSVOA_N

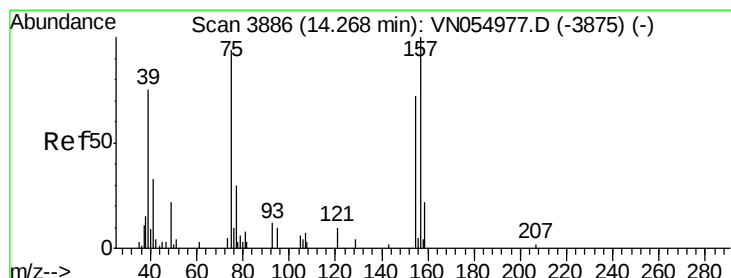
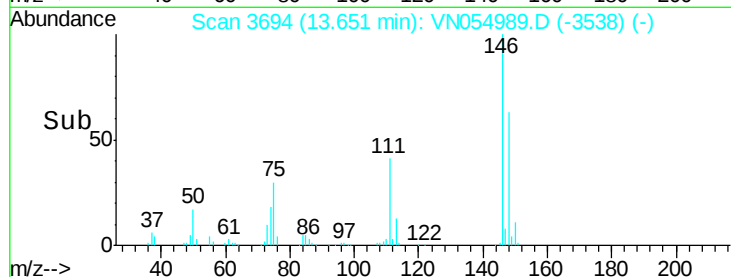
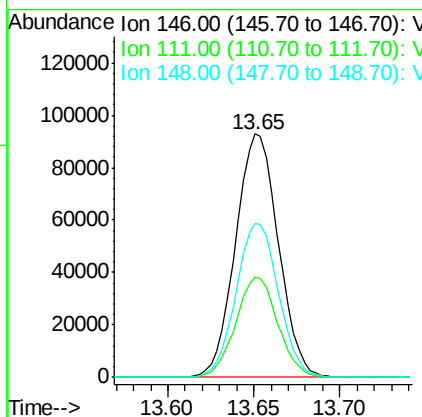
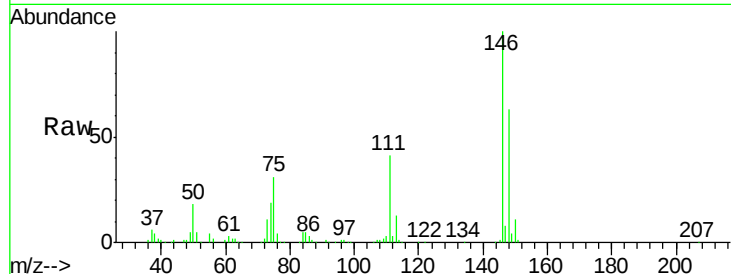
ClientSampleId :

VSTDCCC020EC

Tot Ion:	146	Resp:	160365
Ion Ratio		Lower	Upper
146	100		
111	40.3	20.3	60.8
148	62.8	32.5	97.5

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 19.719 ug/l

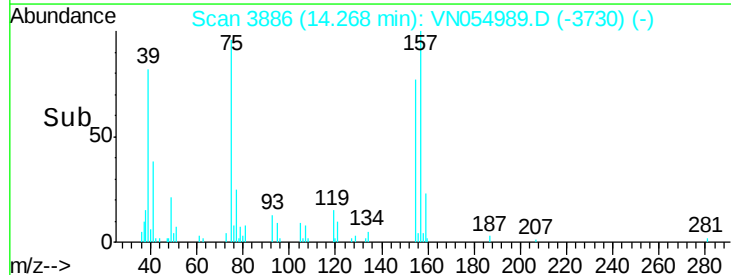
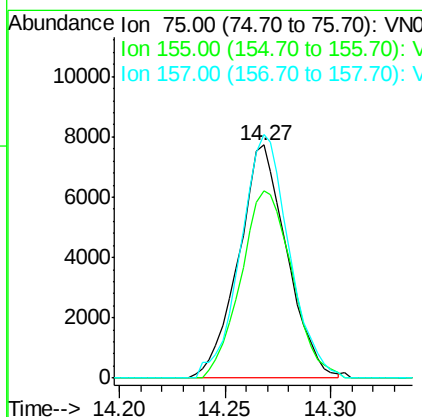
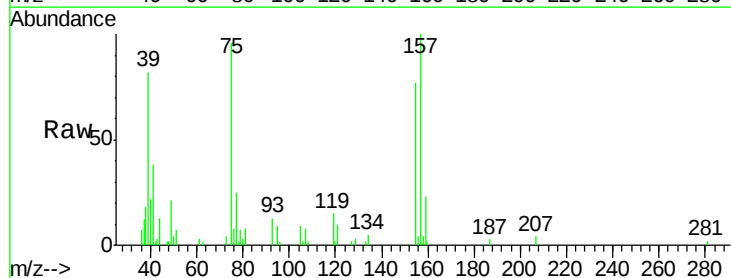
RT: 14.27 min Scan# 3886

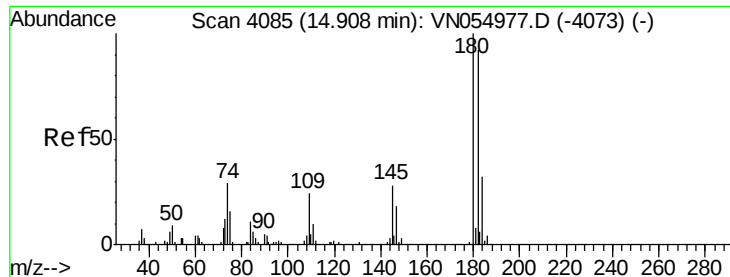
Delta R.T. 0.00 min

Lab File: VN054989.D

Acq: 11 Apr 2019 20:42

Tgt Ion:	75	Resp:	12350
Ion Ratio		Lower	Upper
75	100		
155	84.7	61.8	92.8
157	104.7	82.7	124.1





#89

1,2,4-Trichlorobenzene

Concen: 16.097 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054989.D

Acq: 11 Apr 2019 20:42

Instrument :

MSVOA_N

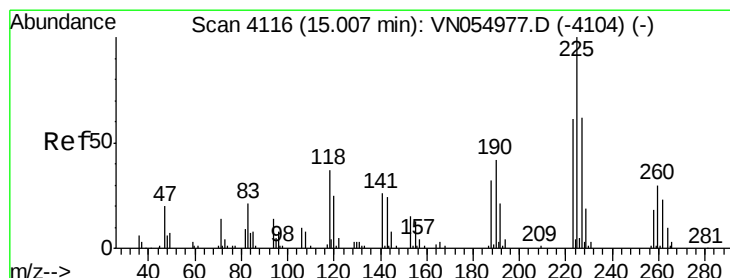
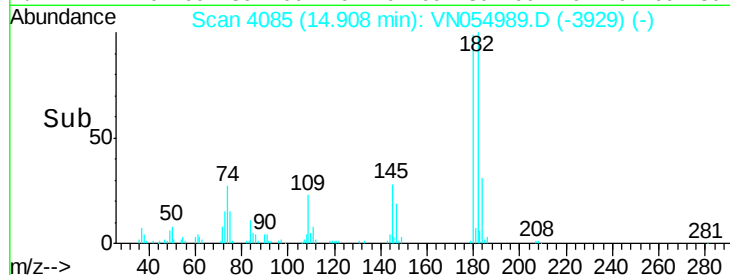
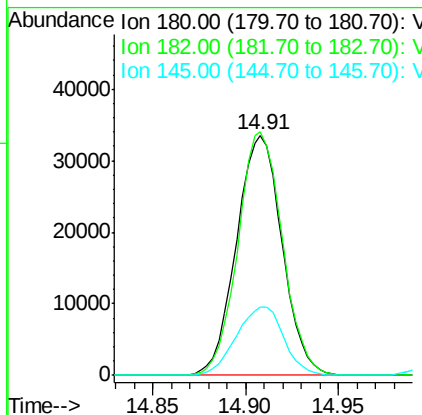
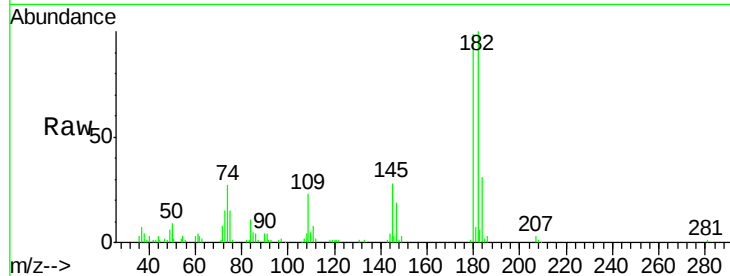
ClientSampleId :

VSTDCCC020EC

Tot Ion:	180	Resp:	57419
Ion Ratio	Lower	Upper	
180	100		
182	99.1	73.2	109.8
145	29.6	23.2	34.8

Manual Integrations
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#90

Hexachlorobutadiene

Concen: 17.206 ug/l

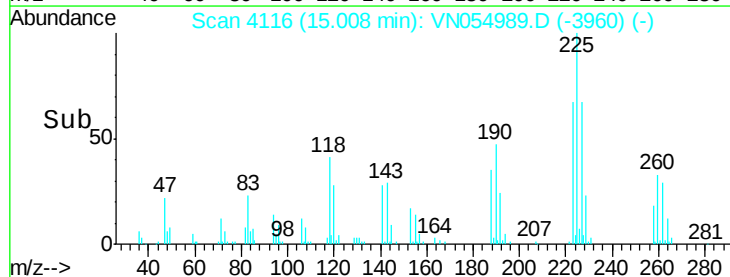
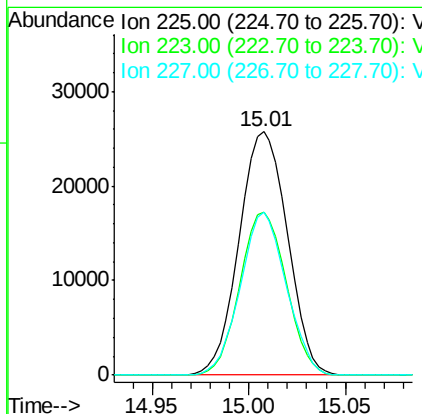
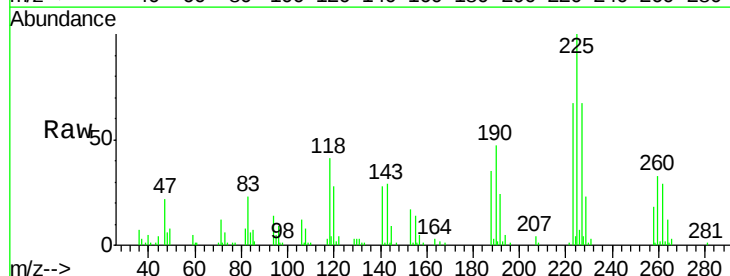
RT: 15.01 min Scan# 4116

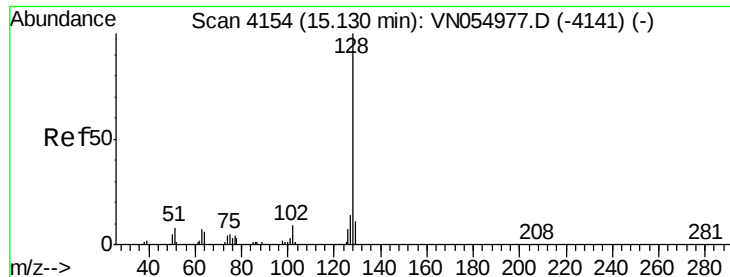
Delta R.T. 0.00 min

Lab File: VN054989.D

Acq: 11 Apr 2019 20:42

Tgt Ion:	225	Resp:	44747
Ion Ratio	Lower	Upper	
225	100		
223	64.2	0.0	126.0
227	63.5	0.0	125.4





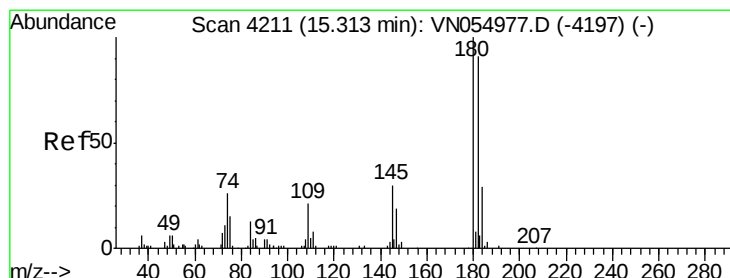
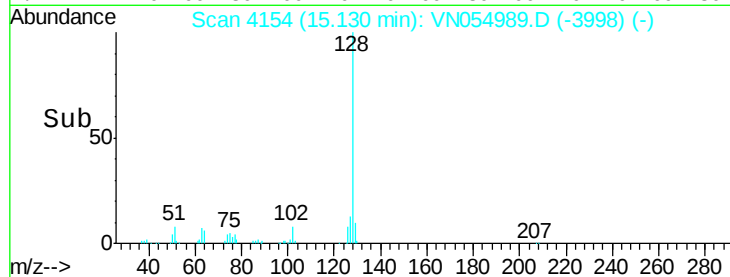
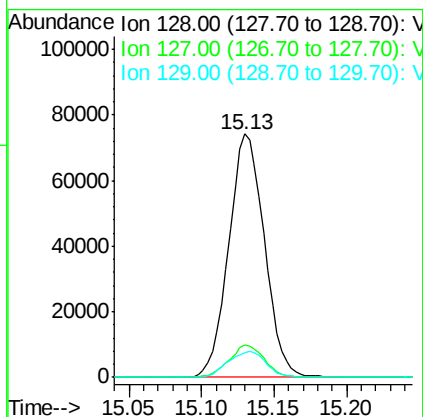
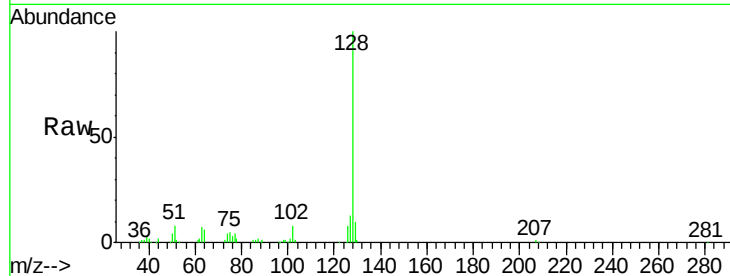
#91
Naphthalene
Concen: 16.994 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	126930		
127	13.1	10.6	15.8	
129	11.2	9.0	13.6	

Manual Integrations
APPROVED

MMDadoda
4/12/2019 1:42:11 PM



#92
1,2,3-Trichlorobenzene
Concen: 17.387 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	62025		
182	98.6	0.0	188.2	
145	32.2	0.0	61.2	

