

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041119\
 Data File : VN054988.D
 Acq On : 11 Apr 2019 20:15
 Operator : JC/SP
 Sample : VN0411WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0411WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/12/2019 1:42:04 PM

Quant Time: Apr 12 08:44:31 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	73828	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	398364	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	349775	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	172431	30.64	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.13%
60) 4-Bromofluorobenzene	12.40	95	155112	28.49	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.97%
63) Toluene-d8	10.09	98	512888	30.84	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	82861	19.083	ug/l 98
3) Chloromethane	2.06	50	119008	20.289	ug/l 99
4) Vinyl Chloride	2.19	62	102284	20.165	ug/l 98
5) Bromomethane	2.57	94	61533	20.973	ug/l 88
6) Chloroethane	2.71	64	58007	20.419	ug/l 99
7) Trichlorofluoromethane	3.02	101	129801	20.026	ug/l 99
8) Diethyl Ether	3.41	74	43430	20.868	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	68250	19.263	ug/l 98
10) 1,1-Dichloroethene	3.73	96	65780	20.080	ug/l 96
11) Methyl Iodide	3.94	142	98775	19.925	ug/l 97
12) Methyl Acetate	4.33	43	86405	21.444	ug/l 98
13) Acrolein	3.61	56	33889	95.966	ug/l 98
14) Acrylonitrile	5.00	53	173448	105.070	ug/l 99
15) Acetone	3.82	58	31843	77.953	ug/l 90
16) Carbon Disulfide	4.04	76	211951	19.289	ug/l 96
17) Allyl chloride	4.32	41	163354	20.249	ug/l 98
18) Methylene Chloride	4.55	84	97979	20.234	ug/l 97
19) trans-1,2-Dichloroethene	5.04	96	85122	19.961	ug/l 99
20) Diisopropyl ether	5.96	45	334612	20.475	ug/l 99
21) 1,1-Dichloroethane	5.85	63	181534	20.797	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	101022	20.381	ug/l 98
23) tert-Butyl Alcohol	4.82	59	28166	107.005	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	231033	21.004	ug/l # 64
25) Chloroform	7.37	83	170705	20.416	ug/l 99
26) Cyclohexane	7.65	56	158833	19.611	ug/l # 98
29) 1,1-Dichloropropene	7.79	75	126998	20.470	ug/l 99
30) 2-Butanone	6.85	43	199765	97.002	ug/l 100
31) 2,2-Dichloropropane	6.83	77	109295	19.141	ug/l # 100
32) 1,1,1-Trichloroethane	7.57	97	137188	20.921	ug/l 98
33) Carbon Tetrachloride	7.77	117	113023	19.907	ug/l 96
34) Benzene	8.04	78	383360	20.851	ug/l 100
35) Methacrylonitrile	7.18	41	51615	21.265	ug/l 94
36) 1,2-Dichloroethane	8.12	62	131610	20.945	ug/l 100
37) Trichloroethene	8.83	130	96782	20.649	ug/l 96
38) Methylcyclohexane	9.08	83	135691	18.860	ug/l 99
39) 1,2-Dichloropropane	9.12	63	106382	20.955	ug/l 98
40) Dibromomethane	9.21	93	59693	20.803	ug/l 97

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Manual Integrations
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MMDadoda
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	118877	20.074	ug/l	98
42) Vinyl Acetate	5.90	43	1072797	103.042	ug/l	99
43) Ethyl Acetate	6.94	43	88649	21.130	ug/l	97
44) Isopropyl Acetate	8.17	43	149150	20.978	ug/l	99
45) 1,4-Dioxane	9.20	88	16793	426.329	ug/l #	84
46) Methyl methacrylate	9.20	41	77655	21.113	ug/l	97
47) n-amyl Acetate	12.07	43	102596	19.591	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	104026	19.129	ug/l	95
49) cis-1,3-Dichloropropene	9.84	75	133020	19.814	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	82693	21.218	ug/l	98
51) Ethyl methacrylate	10.43	69	93557	20.138	ug/l	99
52) 1,3-Dichloropropane	10.71	76	140902	20.632	ug/l	100
53) Dibromochloromethane	10.90	129	79200	19.728	ug/l	97
54) 1,2-Dibromoethane	11.00	107	74585	20.385	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	187761	96.672	ug/l	100
56) Bromoform	12.13	173	46202	18.316	ug/l #	98
58) 4-Methyl-2-Pentanone	9.99	43	431855	107.063	ug/l	99
59) 2-Hexanone	10.75	43	259178	101.144	ug/l	99
61) Tetrachloroethene	10.63	164	93953	20.640	ug/l	100
62) Toluene	10.15	91	392110	20.346	ug/l	99
64) Chlorobenzene	11.43	112	237419	20.406	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	83473	20.172	ug/l	96
66) Ethyl Benzene	11.51	91	408830	19.789	ug/l	100
67) m/p-Xylenes	11.62	106	312625	40.711	ug/l	97
68) o-Xylene	11.95	106	153179	20.185	ug/l	99
69) Styrene	11.96	104	229989	19.517	ug/l	99
70) Isopropylbenzene	12.25	105	403321	19.878	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	99082	21.350	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	90109m	23.512	ug/l	
73) Bromobenzene	12.53	156	95619	19.938	ug/l	98
74) n-propylbenzene	12.59	91	437582	19.264	ug/l	99
75) 2-Chlorotoluene	12.67	91	274492	20.036	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	320213	19.521	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	17156	17.759	ug/l	95
78) 4-Chlorotoluene	12.77	91	249799	19.137	ug/l	100
79) tert-butylbenzene	12.99	119	281936	19.863	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	315055	19.551	ug/l	99
81) sec-Butylbenzene	13.17	105	366442	19.322	ug/l	99
82) p-Isopropyltoluene	13.29	119	300327	18.763	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	151257	18.852	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	139327	18.274	ug/l	98
85) n-Butylbenzene	13.61	91	216650	16.992	ug/l	99
86) Hexachloroethane	13.87	117	47629	18.589	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	152395	19.395	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	11347	18.397	ug/l	93
89) 1,2,4-Trichlorobenzene	14.91	180	56404	16.057	ug/l	97
90) Hexachlorobutadiene	15.01	225	44099	17.218	ug/l	99
91) Naphthalene	15.13	128	118893	16.164	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	58285	16.590	ug/l	96

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Instrument :
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ClientSampleId :
VN0411WBSD01

Manual Integrations
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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)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

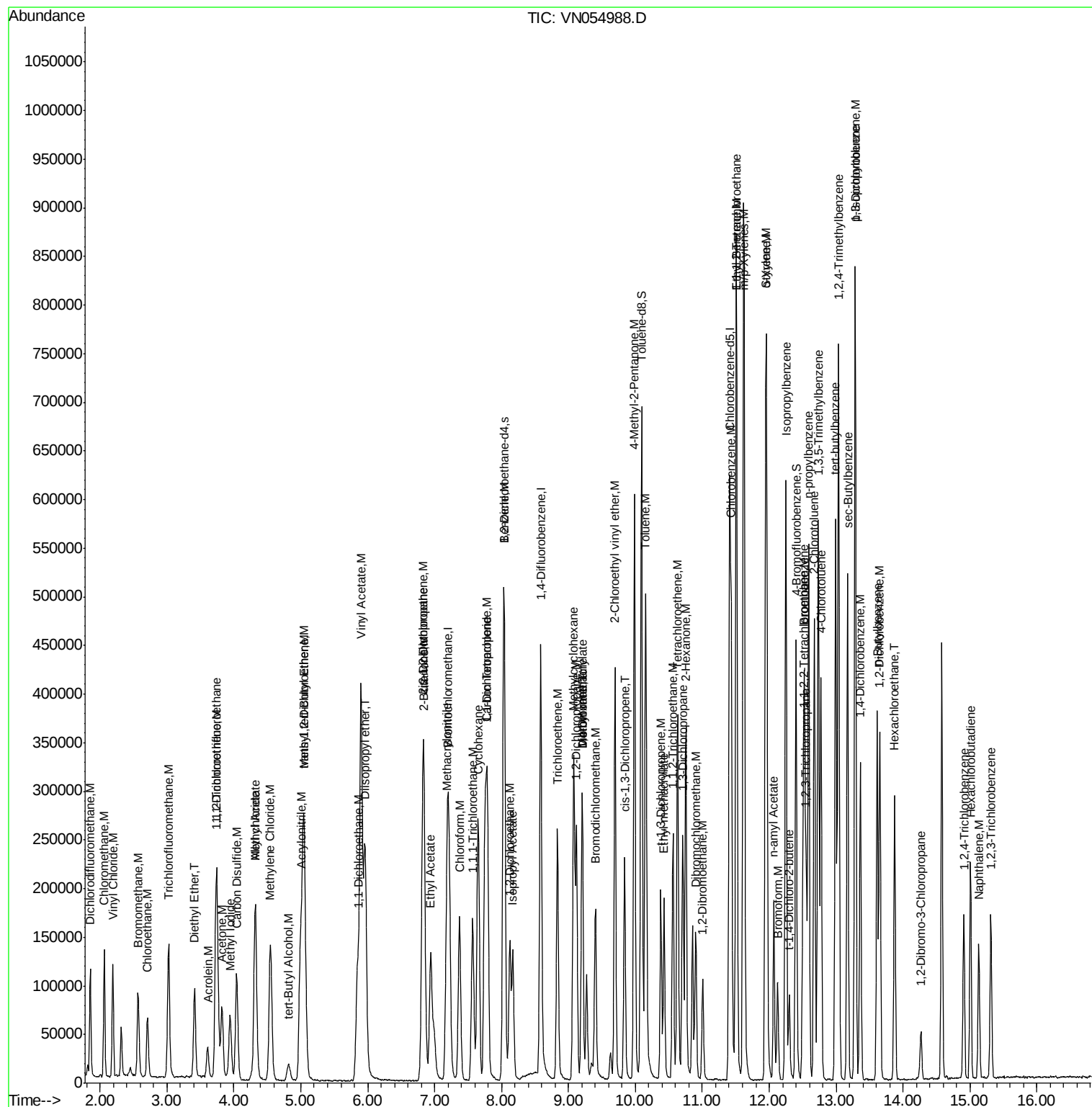
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041119\
 Data File : VN054988.D
 Acq On : 11 Apr 2019 20:15
 Operator : JC/SP
 Sample : VN0411WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

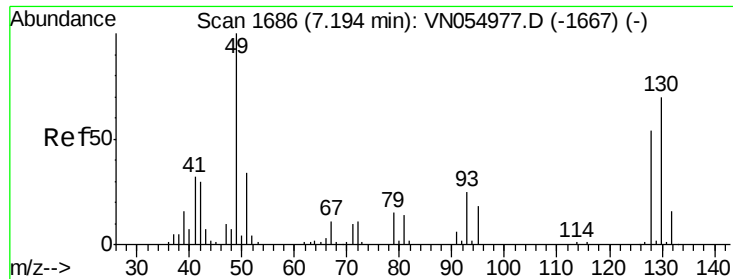
Instrument :
 MSVOA_N
 Client Sampled :
 VN0411WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/12/2019 1:42:04 PM

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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: VN054988.D

Acq: 11 Apr 2019 20:15

Instrument :

MSVOA_N

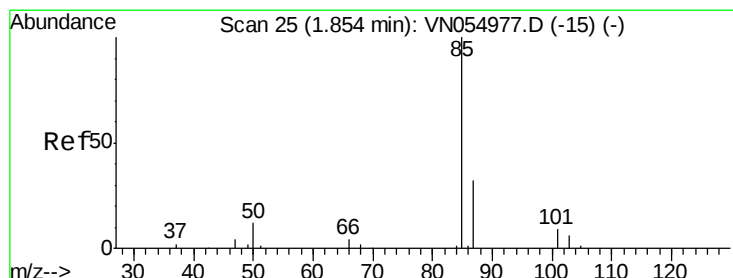
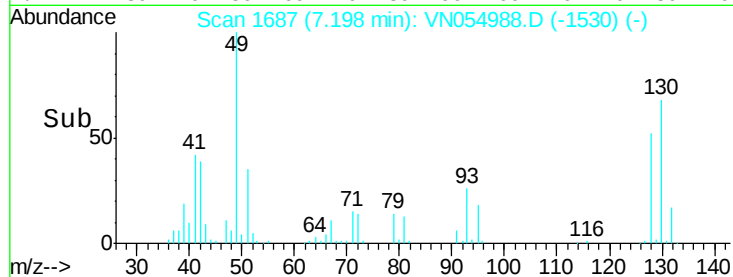
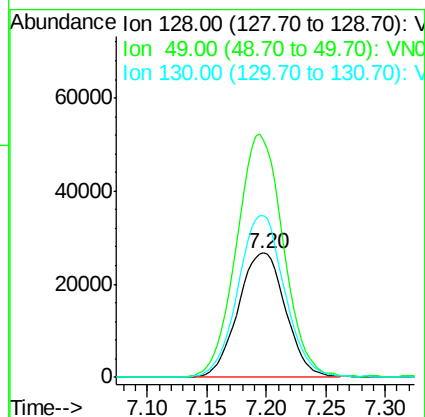
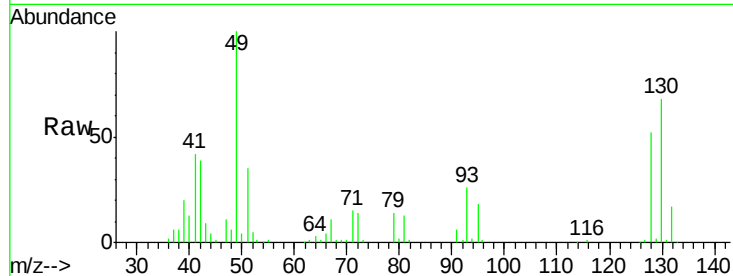
ClientSampled :

VN0411WBSD01

Tot Ion:	128	Resp:	73828
Ion	Ratio	Lower	Upper
128	100		
49	192.6	0.0	480.3
130	128.2	0.0	322.2

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 19.083 ug/l

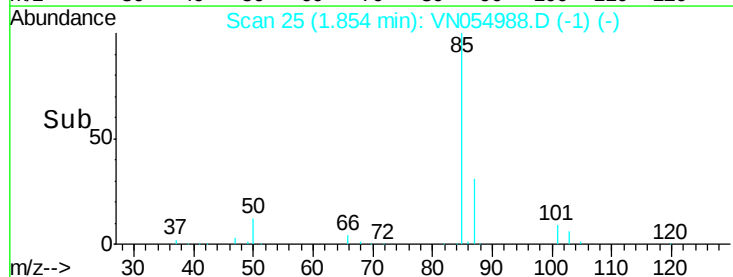
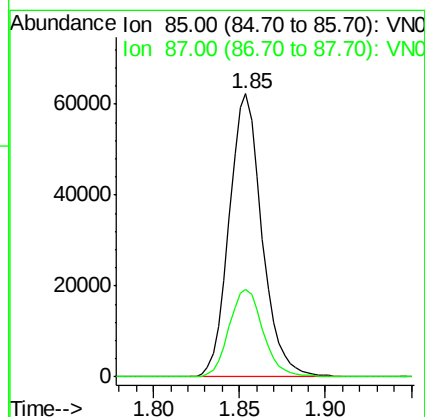
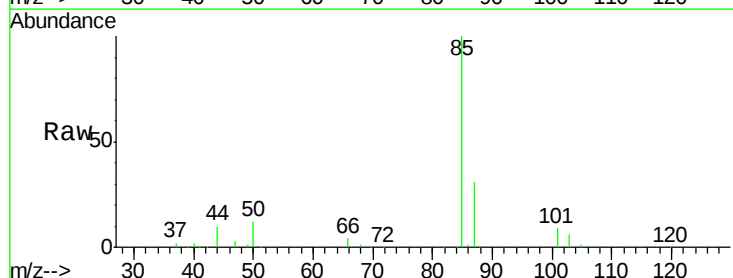
RT: 1.85 min Scan# 25

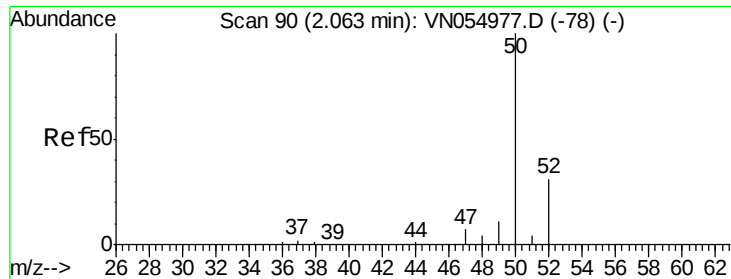
Delta R.T. 0.00 min

Lab File: VN054988.D

Acq: 11 Apr 2019 20:15

Tgt Ion:	85	Resp:	82861
Ion	Ratio	Lower	Upper
85	100		
87	31.0	16.1	48.3





#3

Chloromethane

Concen: 20.289 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054988.D

Acq: 11 Apr 2019 20:15

Instrument :

MSVOA_N

ClientSampleId :

VN0411WBSD01

Tot Ion: 50 Resp: 119008

Ion Ratio Lower Upper

50 100

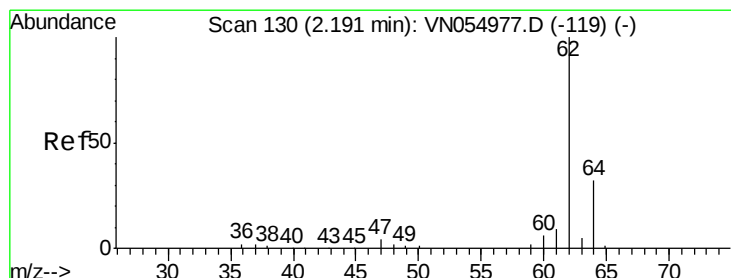
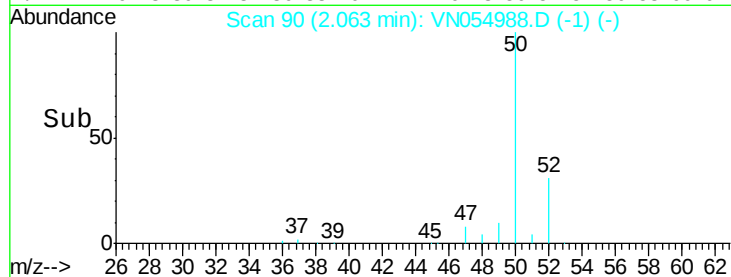
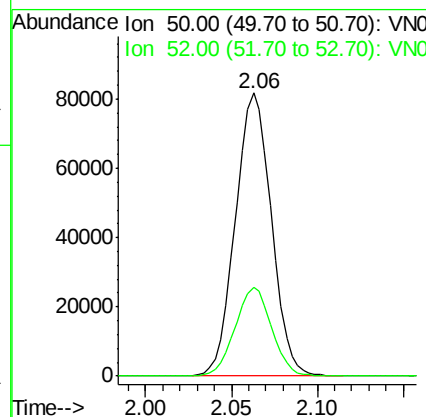
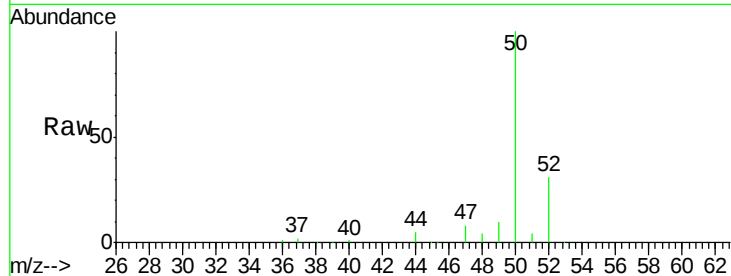
52 31.4 24.5 36.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.165 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054988.D

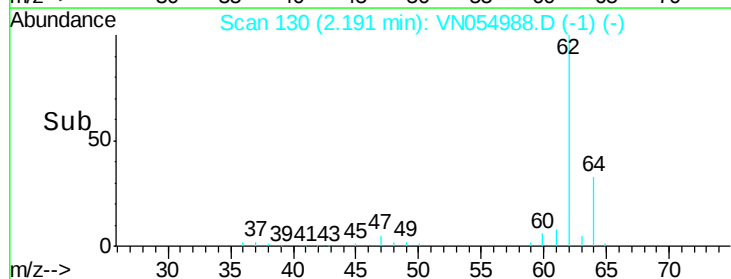
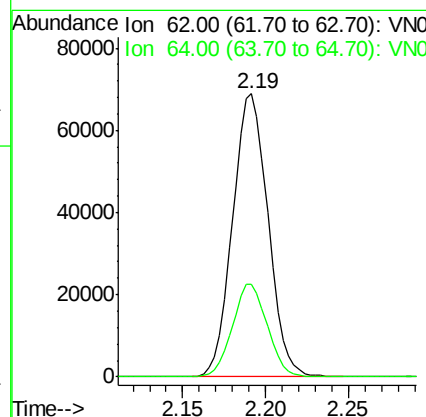
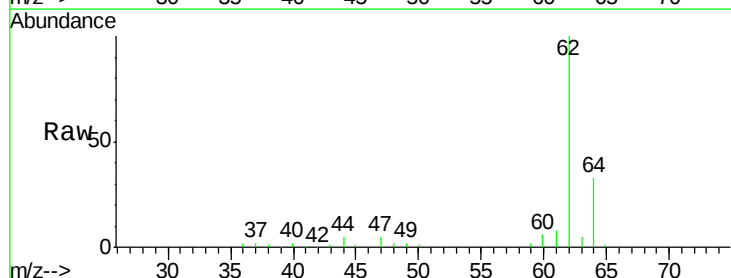
Acq: 11 Apr 2019 20:15

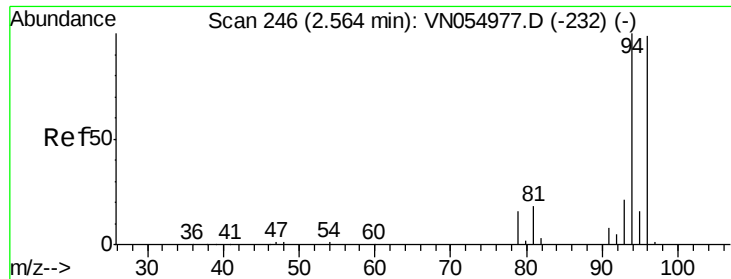
Tgt Ion: 62 Resp: 102284

Ion Ratio Lower Upper

62 100

64 32.8 25.6 38.4





#5

Bromomethane

Concen: 20.973 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN054988.D

Acq: 11 Apr 2019 20:15

Instrument :

MSVOA_N

ClientSampleId :

VN0411WBSD01

Tot Ion: 94 Resp: 61533

Ion Ratio Lower Upper

94 100

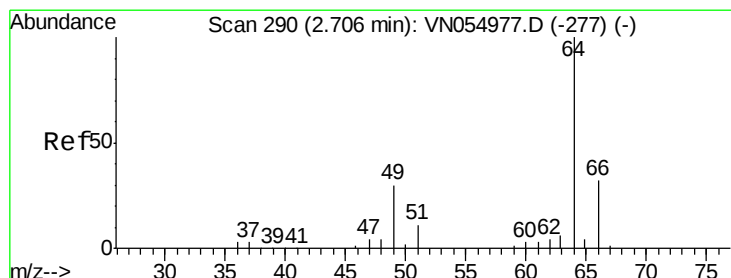
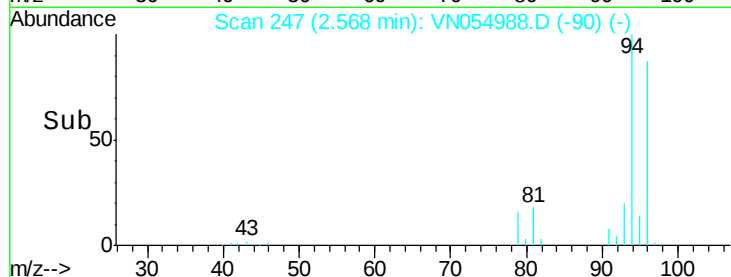
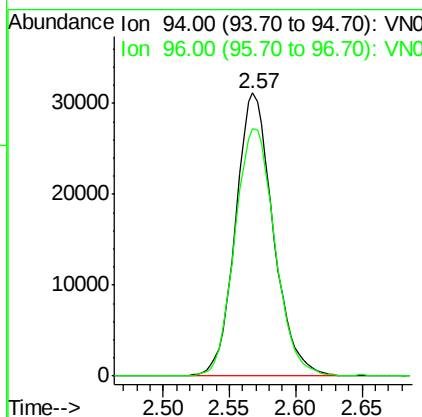
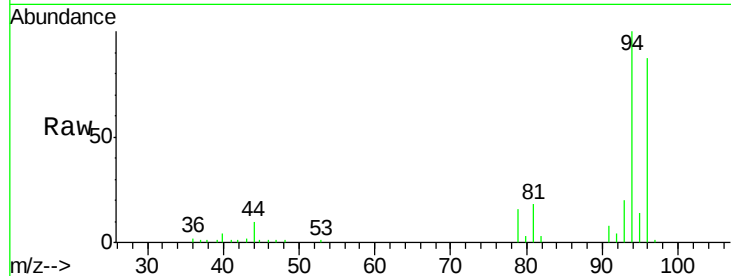
96 87.4 79.1 118.7

Manual Integrations

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#6

Chloroethane

Concen: 20.419 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054988.D

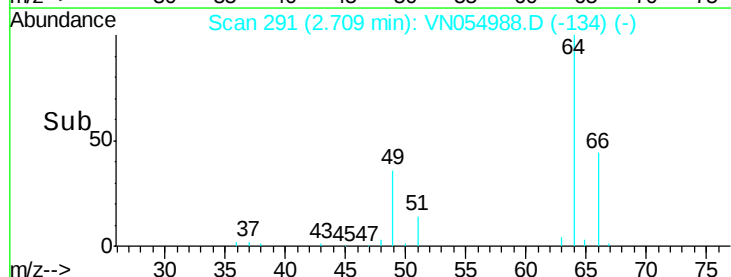
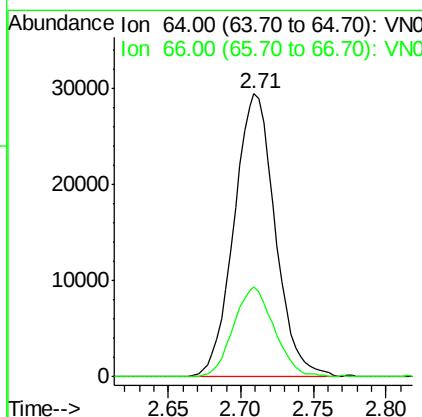
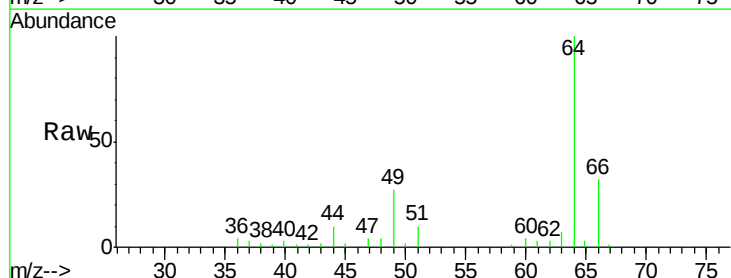
Acq: 11 Apr 2019 20:15

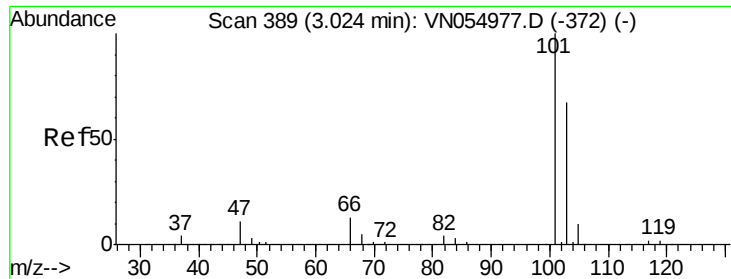
Tgt Ion: 64 Resp: 58007

Ion Ratio Lower Upper

64 100

66 31.8 25.7 38.5





#7

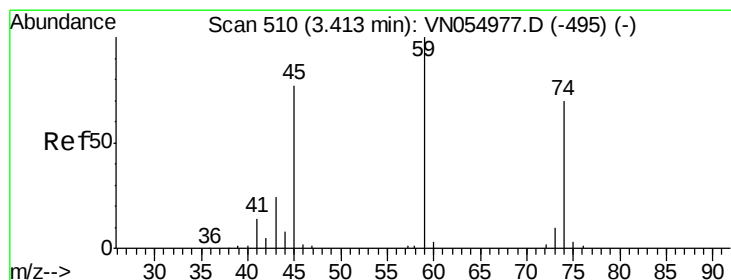
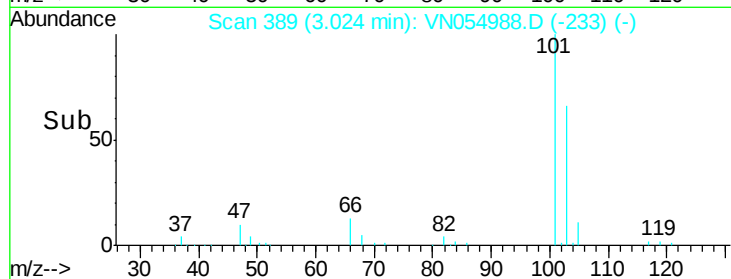
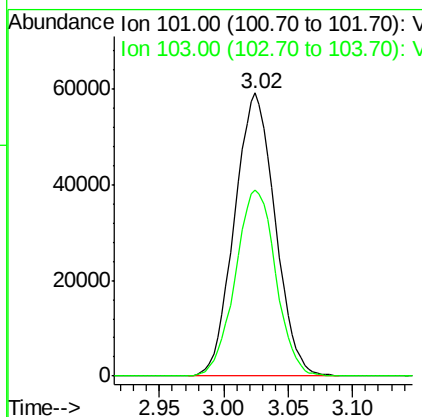
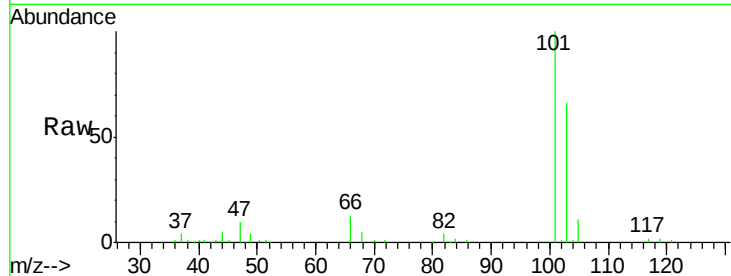
Trichlorofluoromethane
 Concen: 20.026 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Instrument :
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 ClientSampleId :
 VN0411WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	53.4	80.0

Manual Integrations
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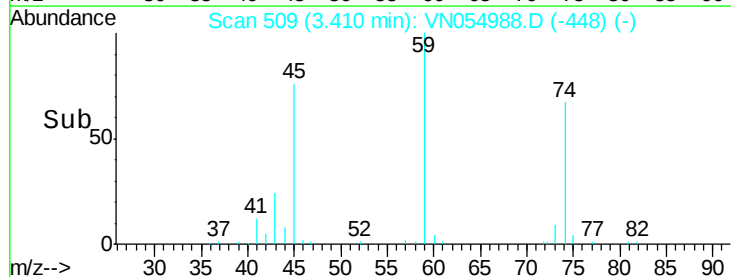
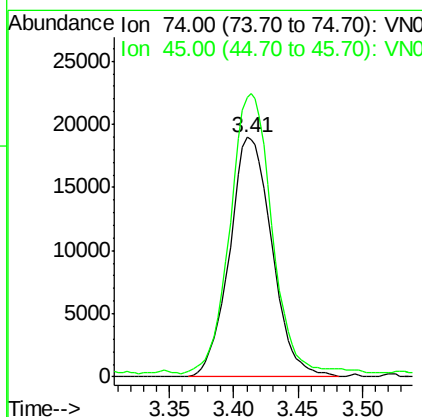
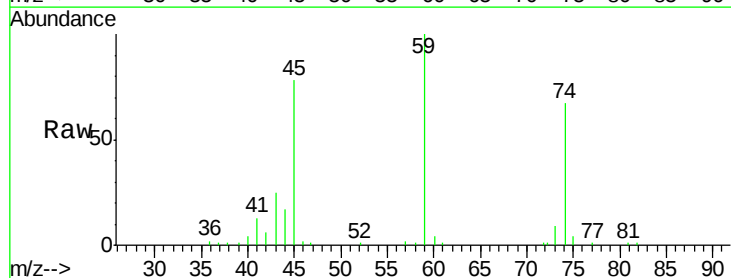
MMDadoda
 4/12/2019 1:42:04 PM

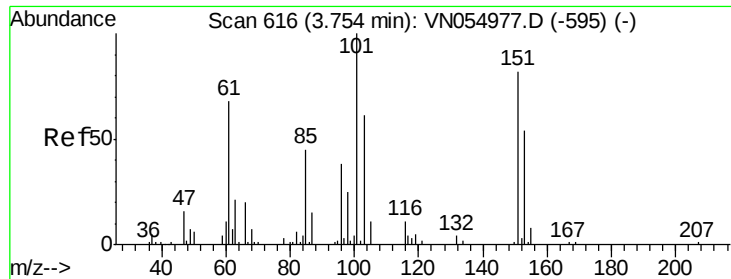


#8

Diethyl Ether
 Concen: 20.868 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.0	22.9	205.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.263 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054988.D

Acq: 11 Apr 2019 20:15

Instrument :

MSVOA_N

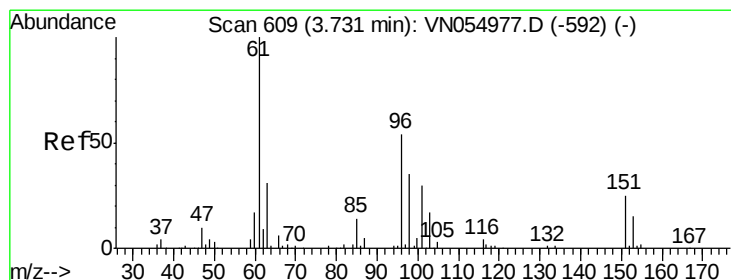
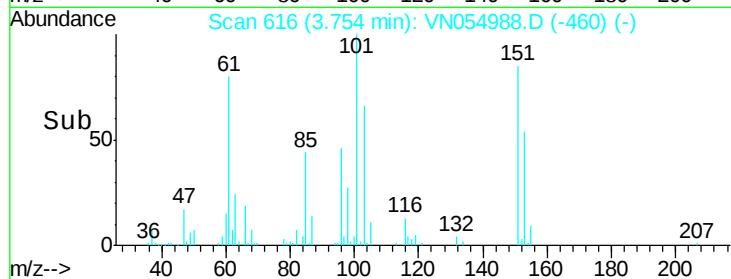
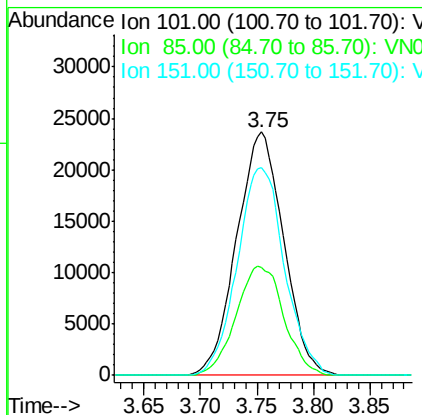
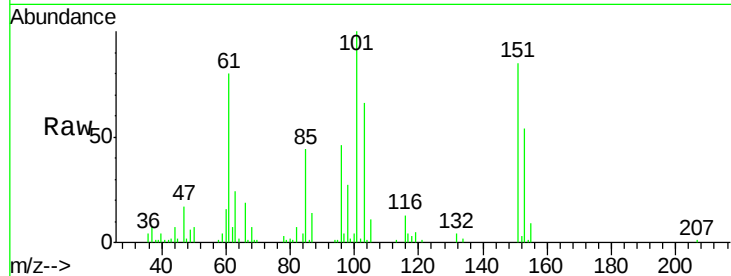
ClientSampleId :

VN0411WBSD01

Tot Ion:	101	Resp:	68250
Ion Ratio	Lower	Upper	
101	100		
85	45.7	0.0	91.4
151	86.1	0.0	165.6

Manual Integrations
APPROVED

MMDadoda
4/12/2019 1:42:04 PM



#10

1,1-Dichloroethene

Concen: 20.080 ug/l

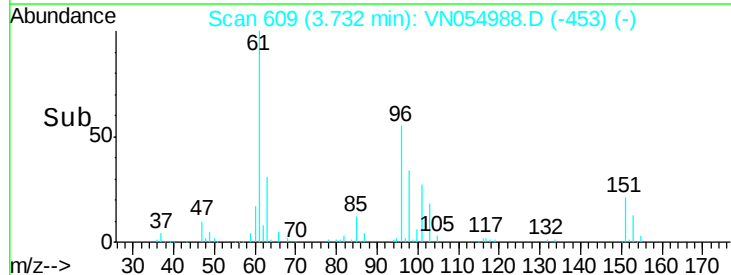
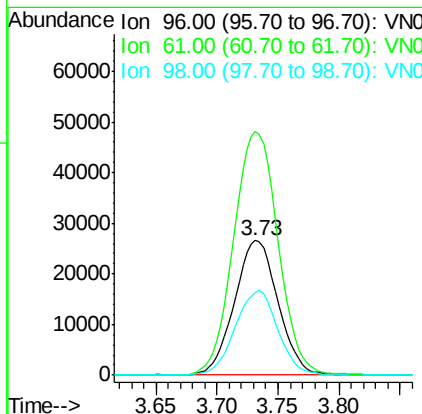
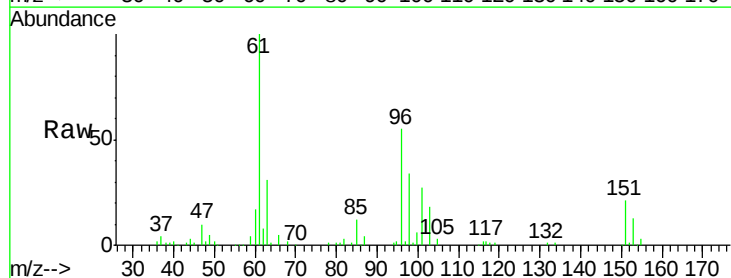
RT: 3.73 min Scan# 609

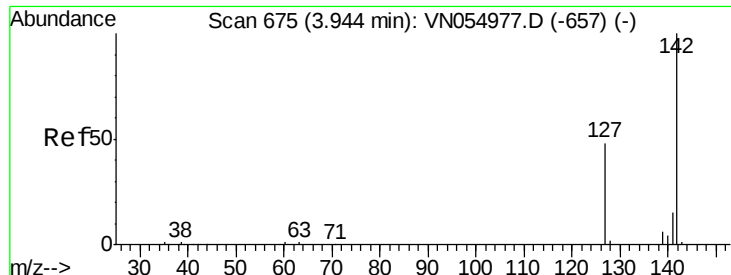
Delta R.T. 0.00 min

Lab File: VN054988.D

Acq: 11 Apr 2019 20:15

Tgt Ion:	96	Resp:	65780
Ion Ratio	Lower	Upper	
96	100		
61	180.2	148.4	222.6
98	61.1	52.2	78.2





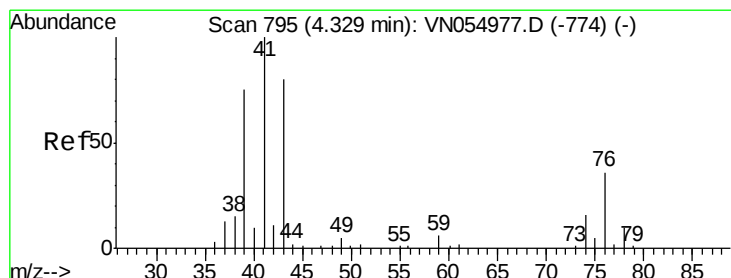
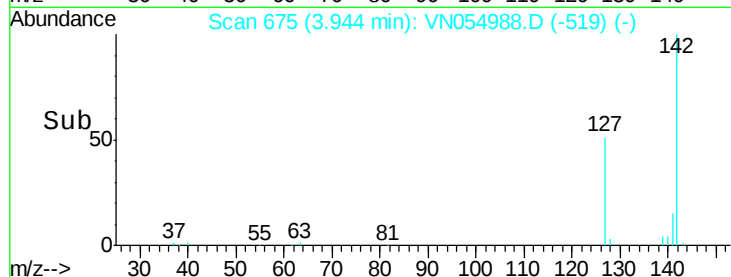
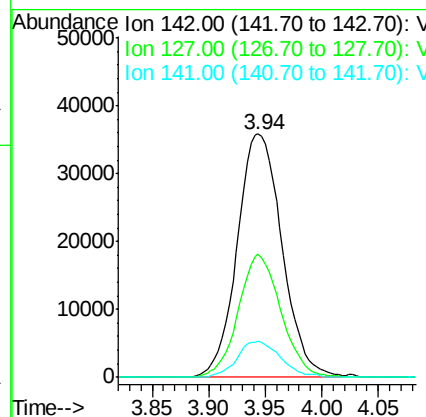
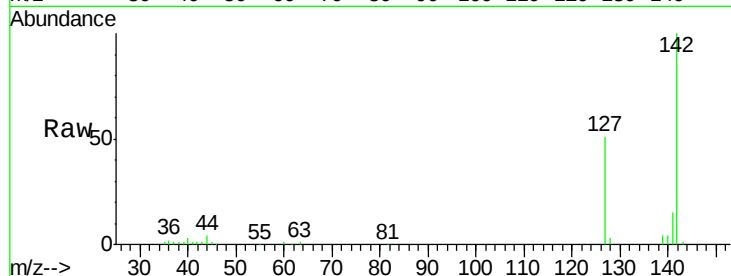
#11
Methvl Iodide
Concen: 19.925 ug/l
RT: 3.94 min Scan# 675
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Instrument :
MSVOA_N
ClientSampleId :
VN0411WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	50.6	23.8	71.5
141	14.8	7.3	22.0

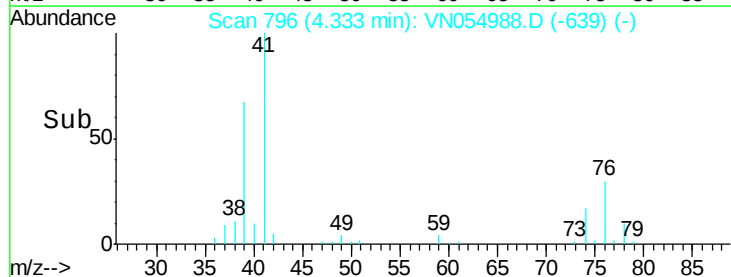
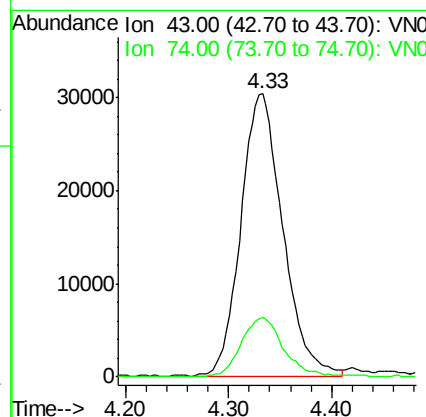
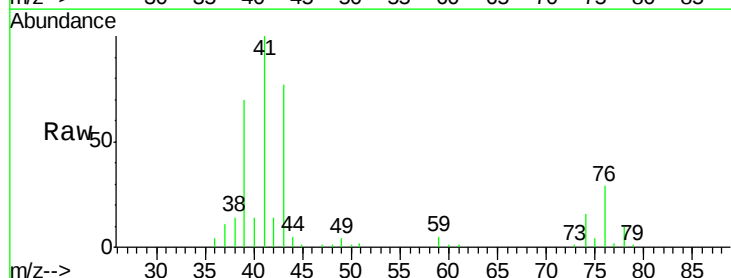
Manual Integrations
APPROVED

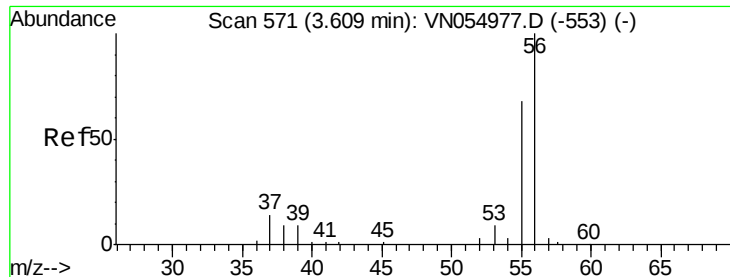
MMDadoda
4/12/2019 1:42:04 PM



#12
Methyl Acetate
Concen: 21.444 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.0	16.2	24.4





#13

Acrolein

Concen: 95.966 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054988.D

Acq: 11 Apr 2019 20:15

Instrument :

MSVOA_N

ClientSampleId :

VN0411WBSD01

Tot Ion: 56 Resp: 33889

Ion Ratio Lower Upper

56 100

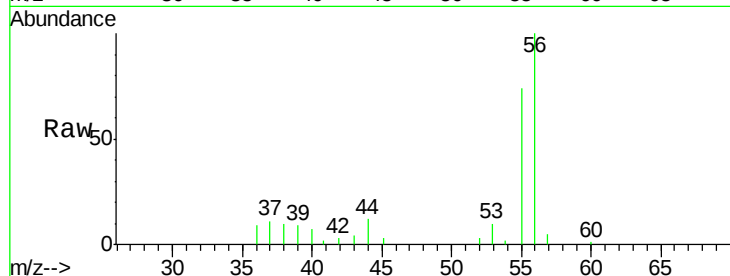
55 72.6 57.0 85.4

Manual Integrations

APPROVED

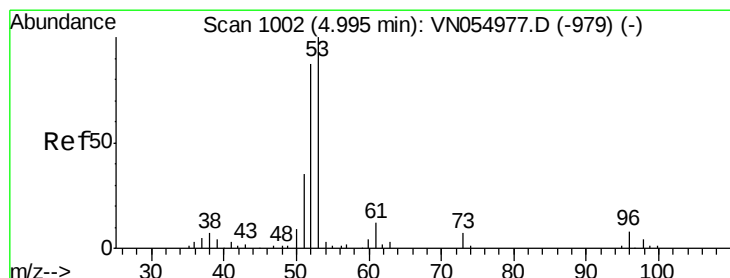
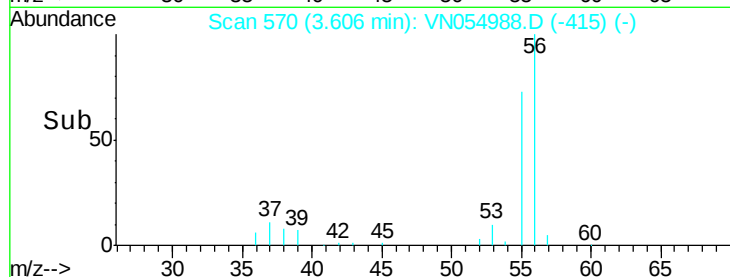
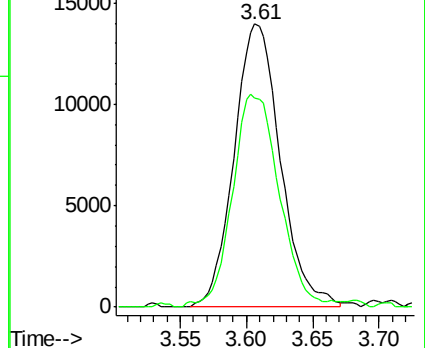
MMDadoda

4/12/2019 1:42:04 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 105.070 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN054988.D

Acq: 11 Apr 2019 20:15

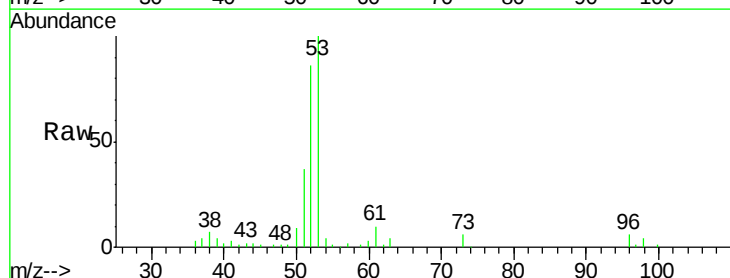
Tgt Ion: 53 Resp: 173448

Ion Ratio Lower Upper

53 100

52 82.7 42.3 126.8

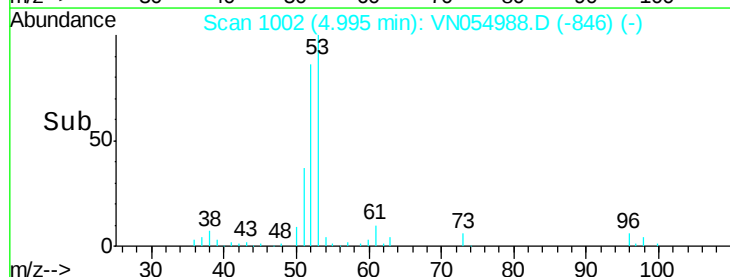
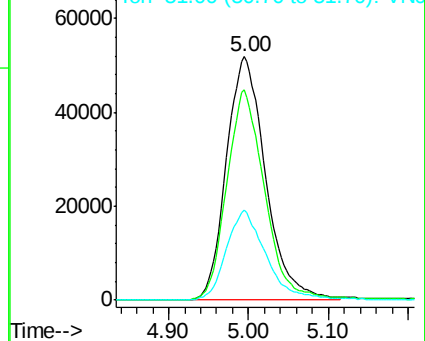
51 37.2 18.6 56.0

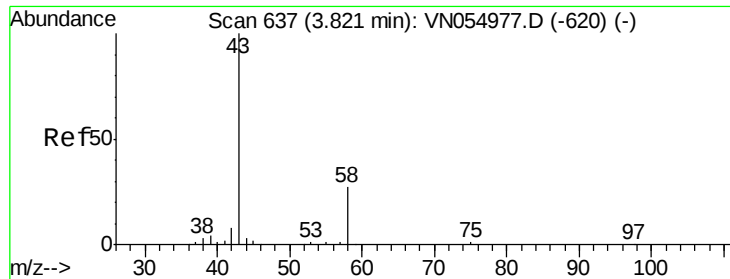


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 77.953 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN054988.D

Acq: 11 Apr 2019 20:15

Instrument :

MSVOA_N

ClientSampleId :

VN0411WBSD01

Tot Ion: 58 Resp: 31843

Ion Ratio Lower Upper

58 100

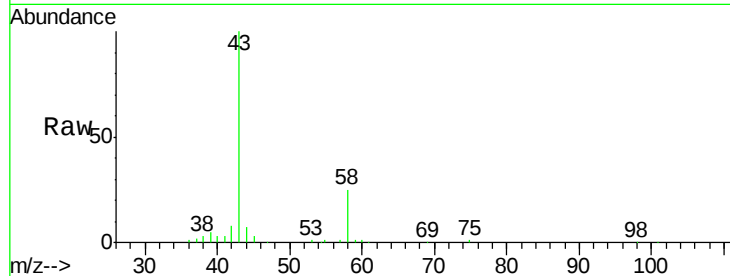
43 394.3 297.2 445.8

Manual Integrations

APPROVED

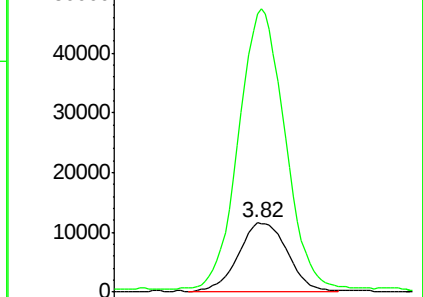
MMDadoda

4/12/2019 1:42:04 PM

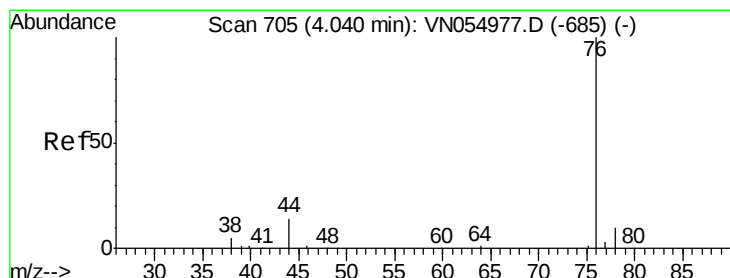
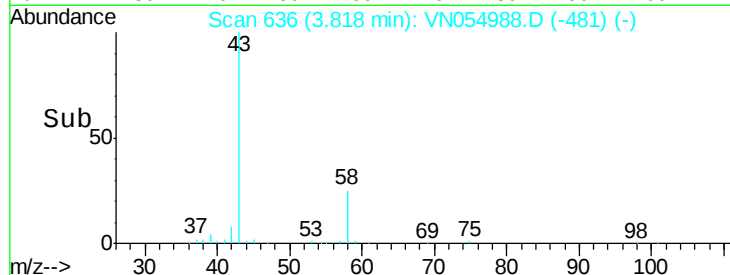


Abundance Ion 58.00 (57.70 to 58.70): VN054977.D (-620) (-)

Ion 43.00 (42.70 to 43.70): VN054977.D (-620) (-)



Time-->



#16

Carbon Disulfide

Concen: 19.289 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN054988.D

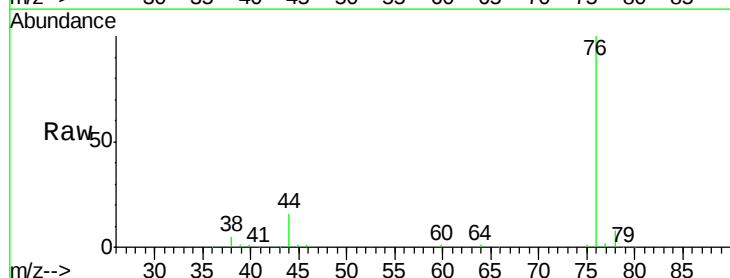
Acq: 11 Apr 2019 20:15

Tgt Ion: 76 Resp: 211951

Ion Ratio Lower Upper

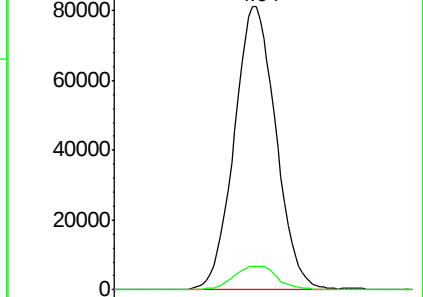
76 100

78 8.4 7.8 11.6

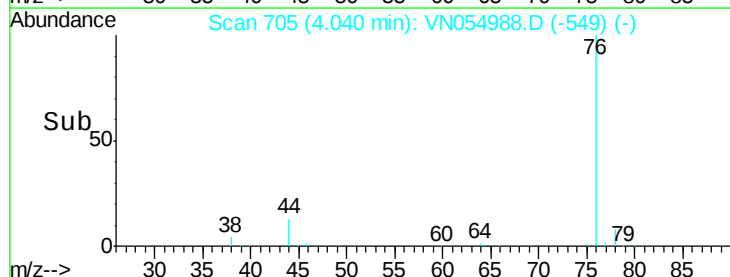


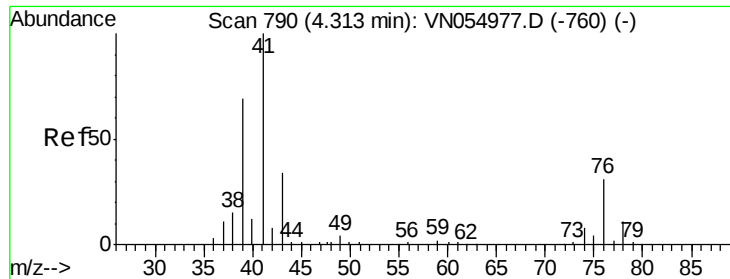
Abundance Ion 76.00 (75.70 to 76.70): VN054977.D (-685) (-)

Ion 78.00 (77.70 to 78.70): VN054977.D (-685) (-)



Time-->





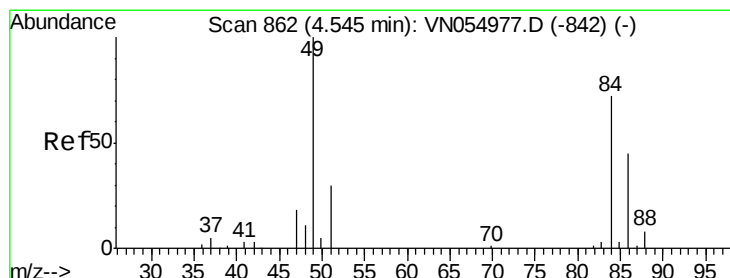
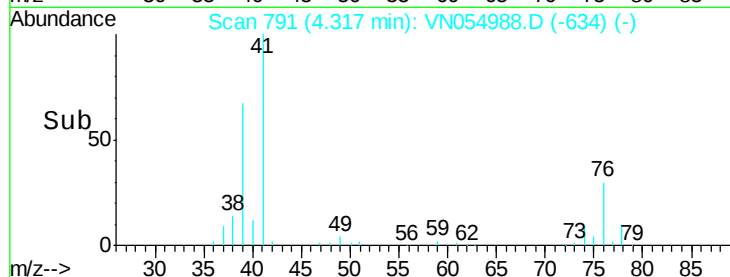
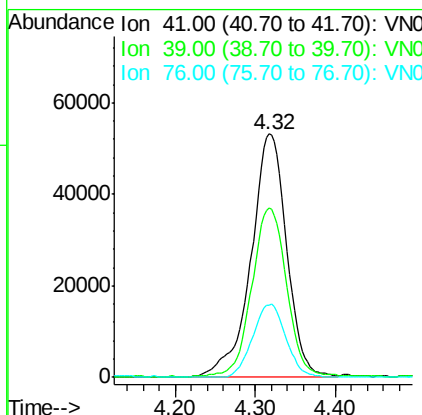
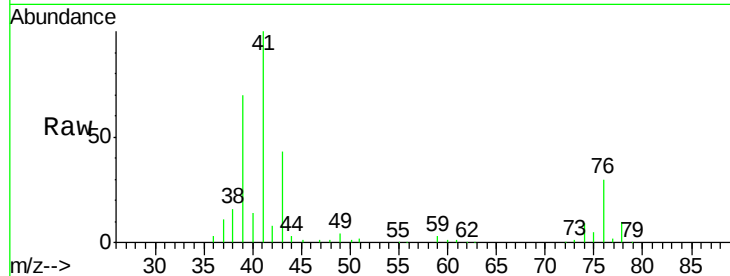
#17
Allvl chloride
Concen: 20.249 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Instrument :
MSVOA_N
ClientSampled :
VN0411WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	69.3	34.3	102.9
76	29.8	15.8	47.3

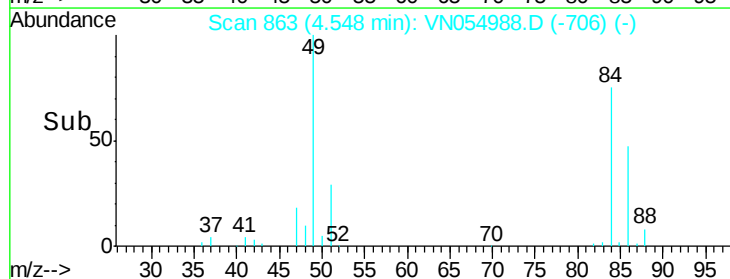
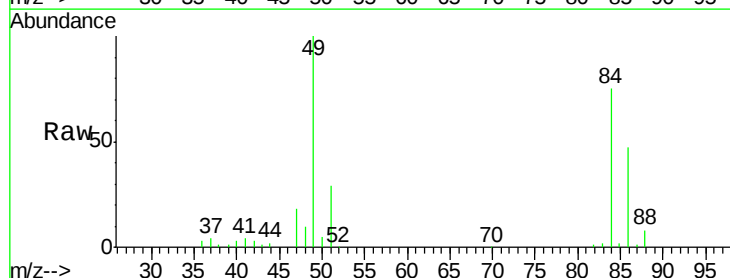
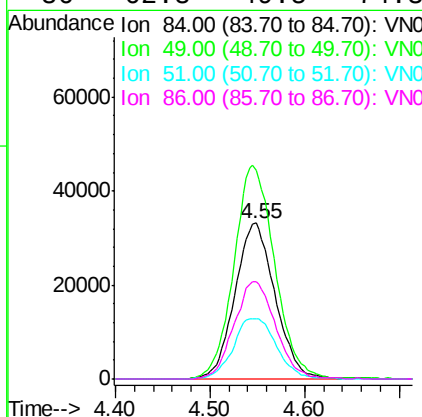
Manual Integrations
APPROVED

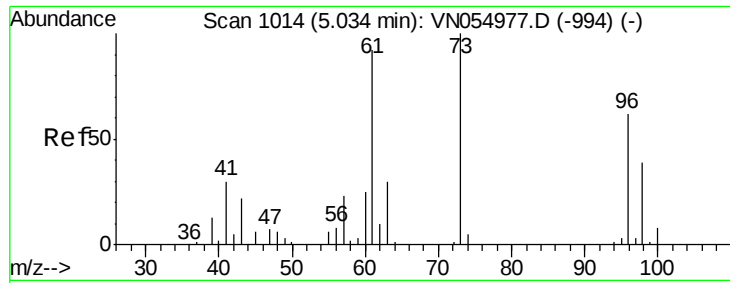
MMDadoda
4/12/2019 1:42:04 PM



#18
Methylene Chloride
Concen: 20.234 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Tgt Ion	Ratio	Lower	Upper
84	100		
49	134.0	111.0	166.4
51	38.8	33.4	50.2
86	62.8	49.5	74.3





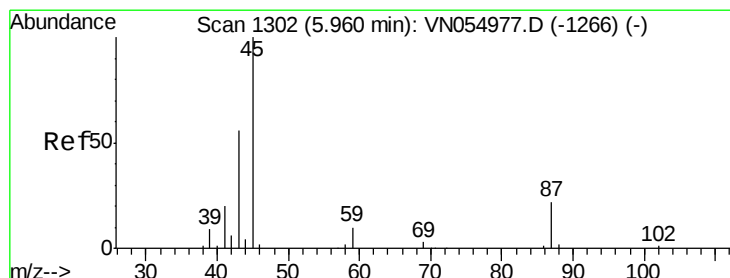
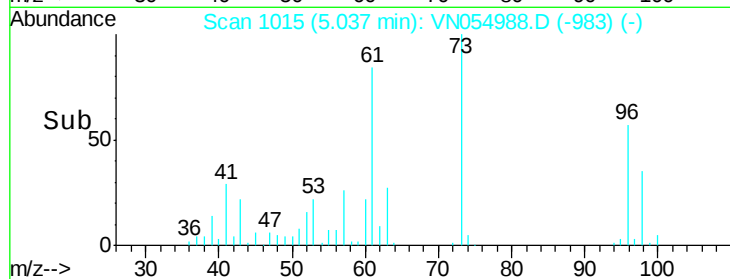
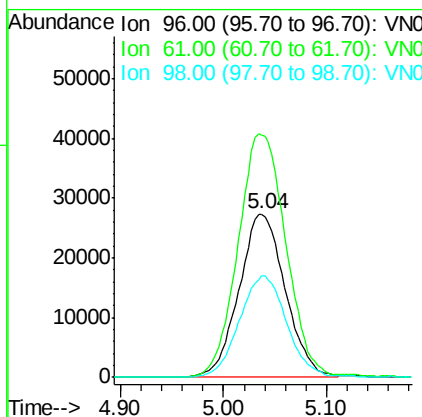
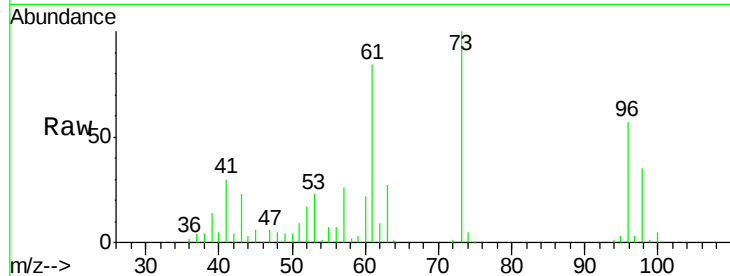
#19
trans-1,2-Dichloroethene
Concen: 19.961 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Instrument :
MSVOA_N
ClientSampleId :
VN0411WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	148.0	117.2	175.8	
98	62.1	49.4	74.2	

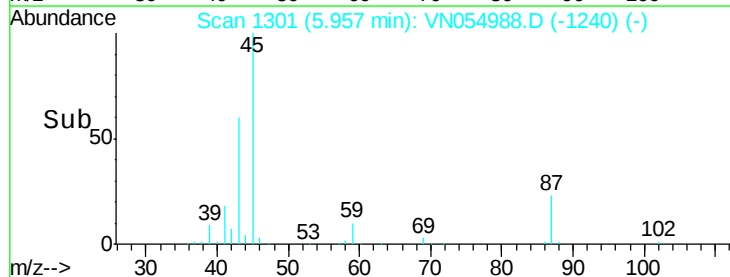
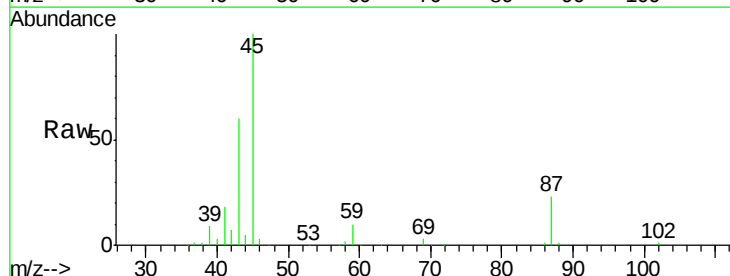
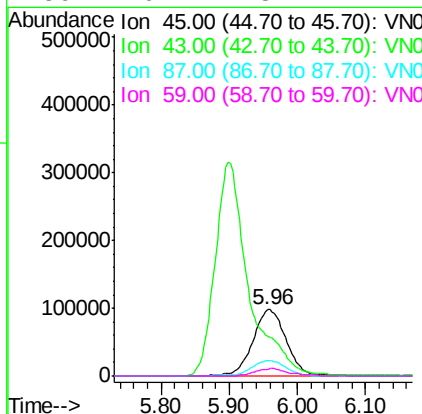
Manual Integrations
APPROVED

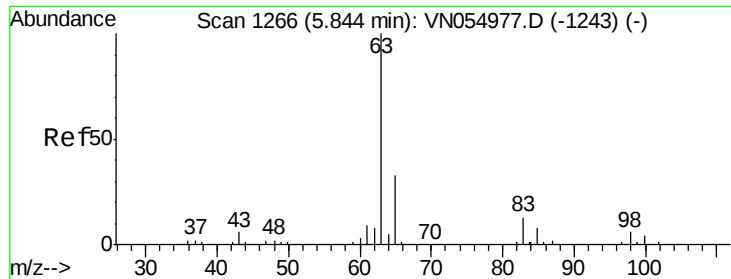
MMDadoda
4/12/2019 1:42:04 PM



#20
Diisopropyl ether
Concen: 20.475 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	58.3	45.8	68.8	
87	23.1	18.2	27.4	
59	10.1	8.2	12.2	





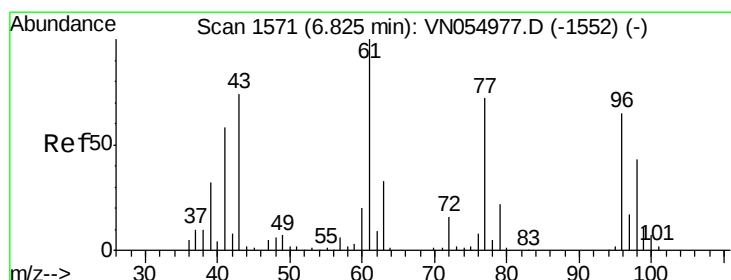
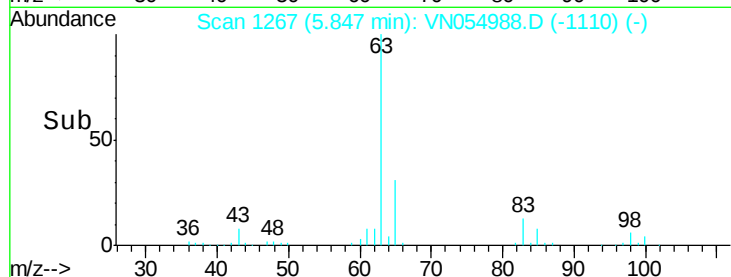
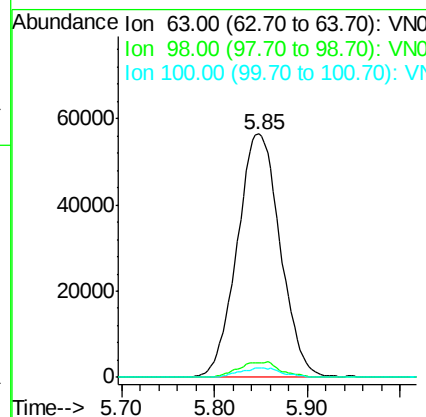
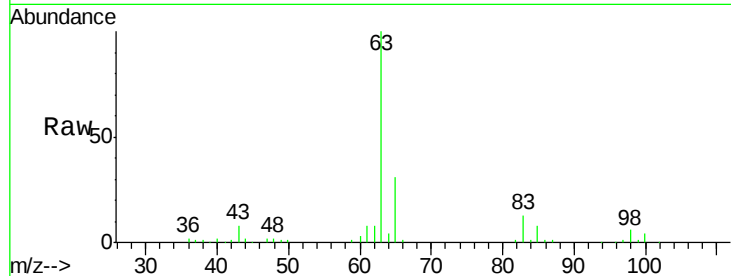
#21
 1,1-Dichloroethane
 Concen: 20.797 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0411WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	181534		
98	5.9		2.9	8.7
100	4.0		2.0	5.8

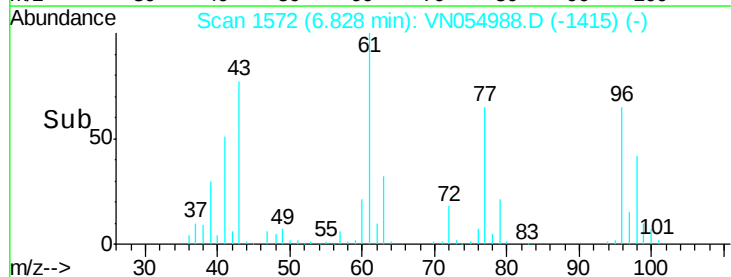
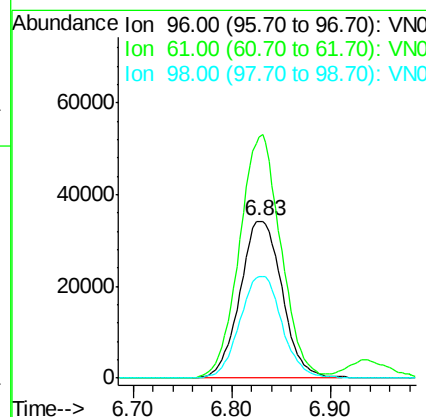
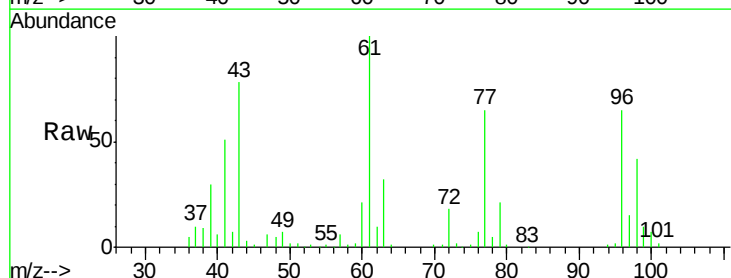
Manual Integrations
 APPROVED

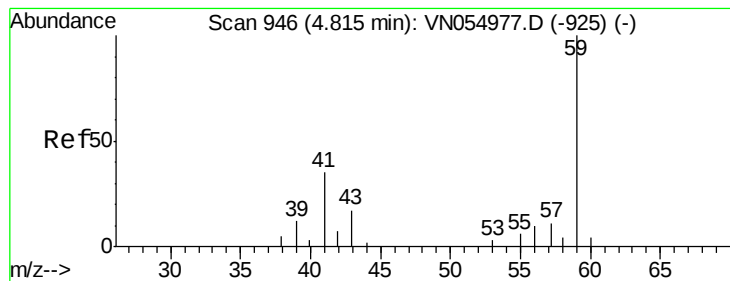
MMDadoda
 4/12/2019 1:42:04 PM



#22
 cis-1,2-Dichloroethene
 Concen: 20.381 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	101022		
61	152.0		125.0	187.6
98	65.0		52.2	78.2





#23

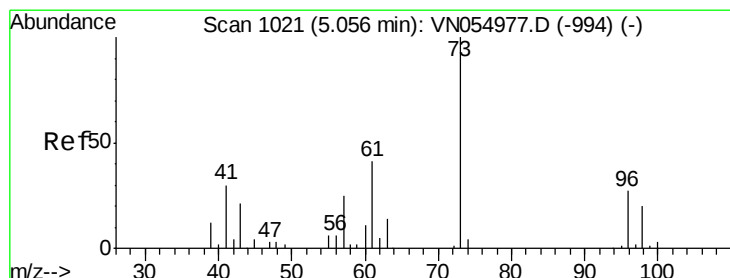
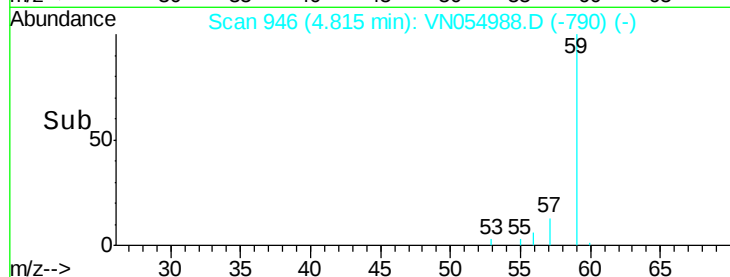
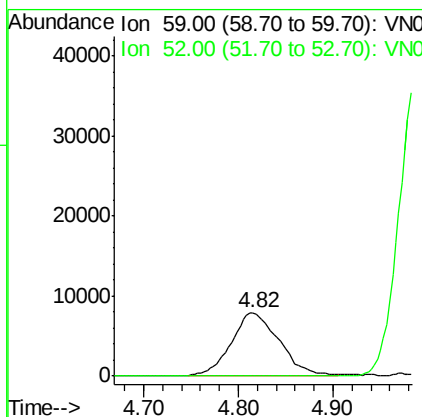
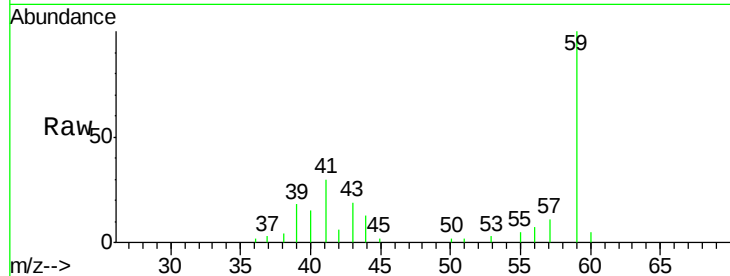
tert-Butyl Alcohol
 Concen: 107.005 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0411WBSD01

Tot Ion	59	52	Ratio	100	0.0	Resp	28166	Lower	Upper
Ion	59	52	Ratio	100	0.0	Resp	28166	Lower	Upper

Manual Integrations
 APPROVED

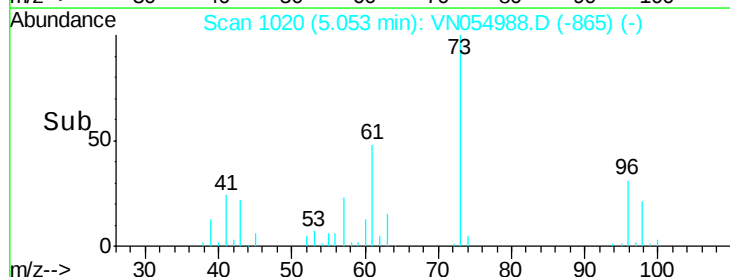
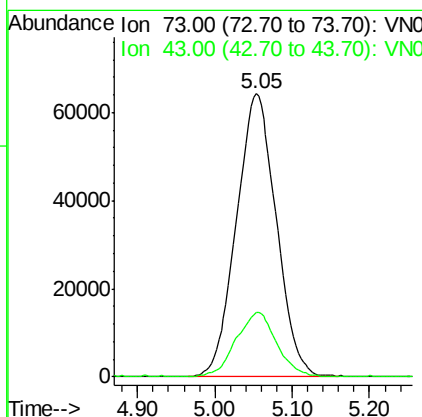
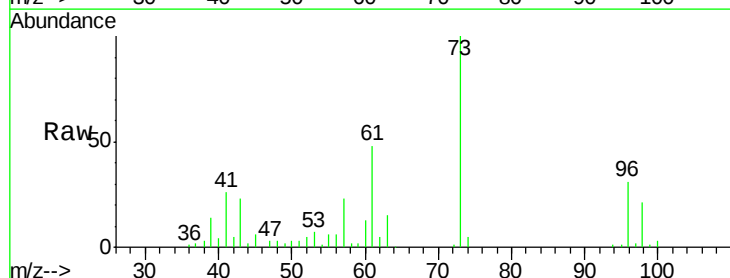
MMDadoda
 4/12/2019 1:42:04 PM

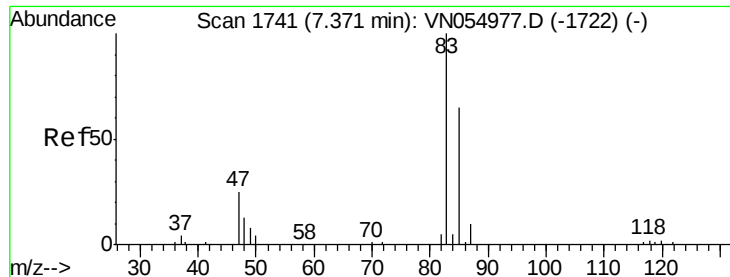


#24

Methyl tert-Butyl Ether
 Concen: 21.004 ug/l
 RT: 5.05 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Tgt Ion	73	43	Ratio	100	23.3	Resp	231033	Lower	Upper
Ion	73	43	Ratio	100	23.3	Resp	231033	Lower	Upper





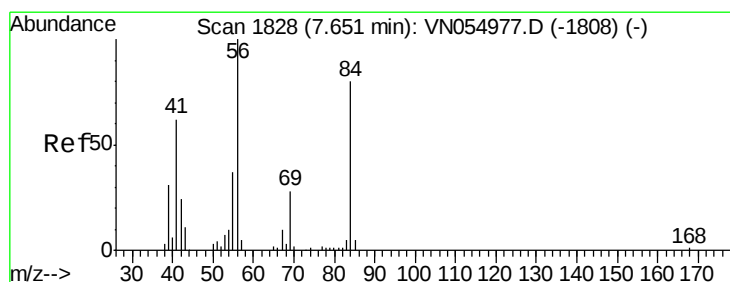
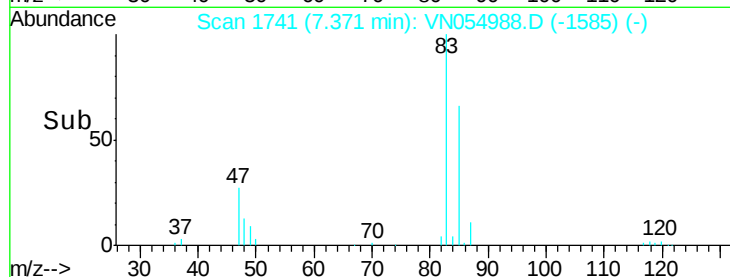
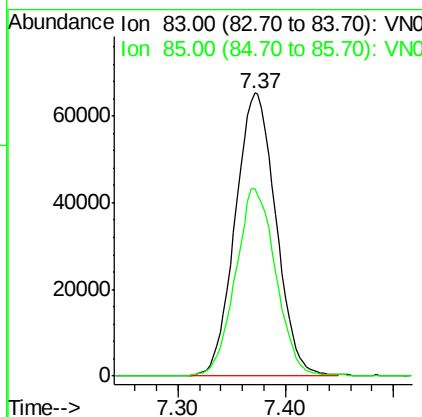
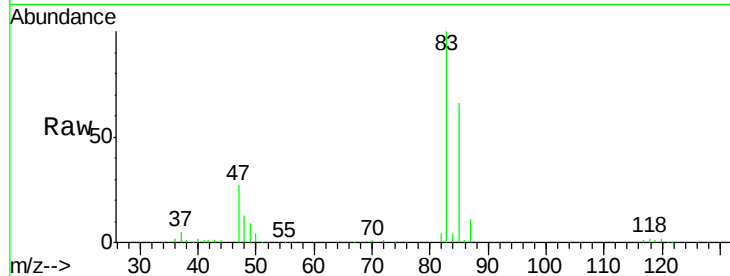
#25
Chloroform
Concen: 20.416 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Instrument :
MSVOA_N
ClientSampled :
VN0411WBSD01

Tot Ion	83	Resp	170705
Ion Ratio	100	Lower	Upper
83	100		
85	65.9	51.8	77.8

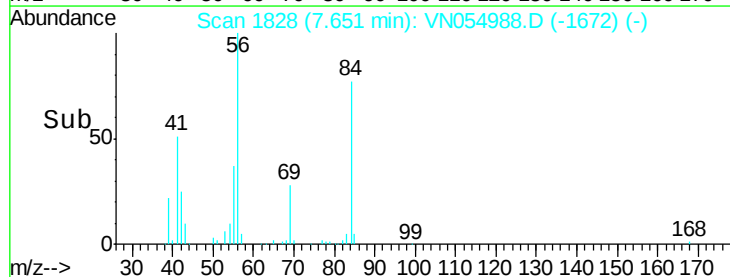
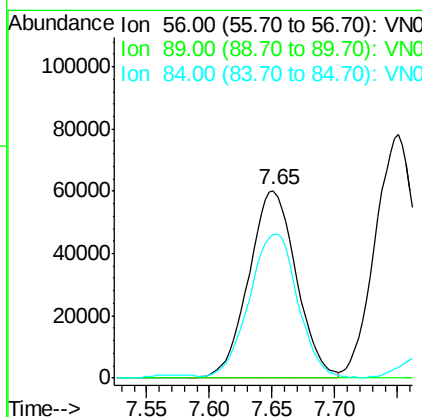
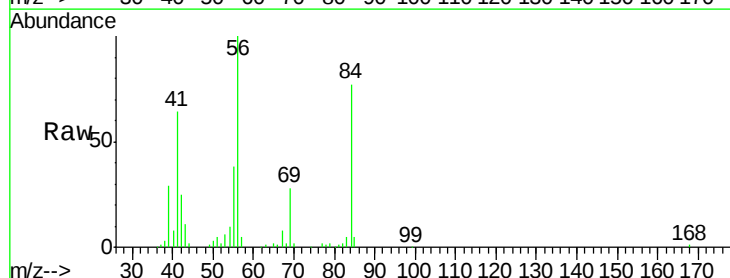
Manual Integrations
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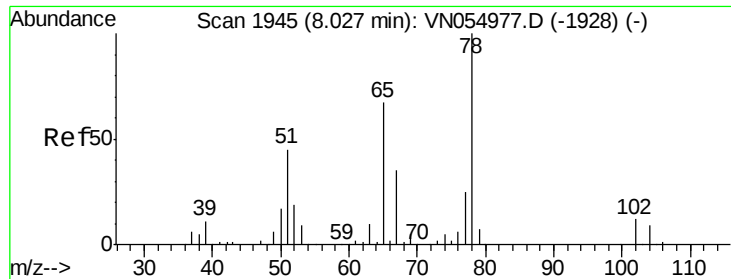
MMDadoda
4/12/2019 1:42:04 PM



#26
Cyclohexane
Concen: 19.611 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Tgt Ion	56	Resp	158833
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	77.2	63.5	95.3





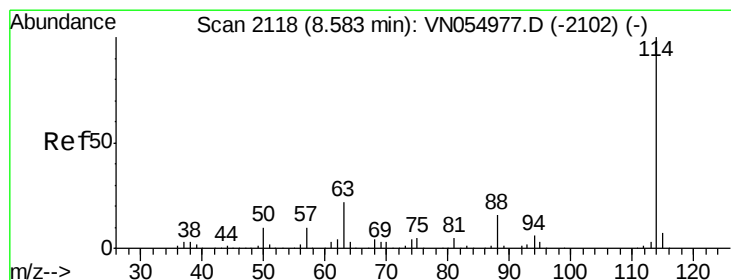
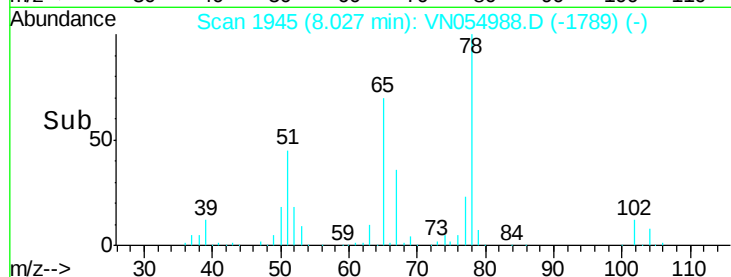
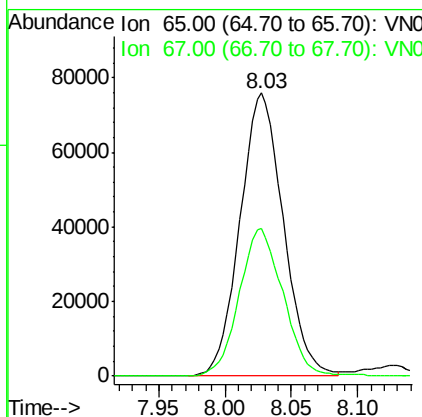
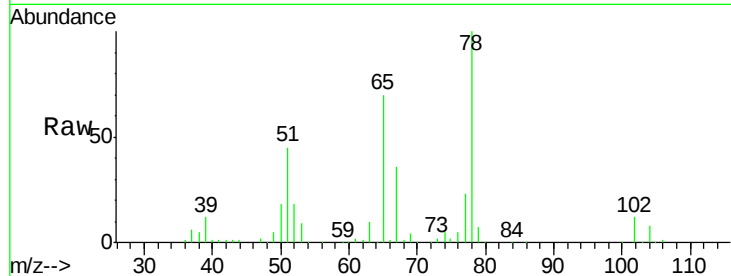
#27
 1,2-Dichloroethane-d4
 Concen: 19.611 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0411WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	172431		
67	52.5	41.8	62.8	

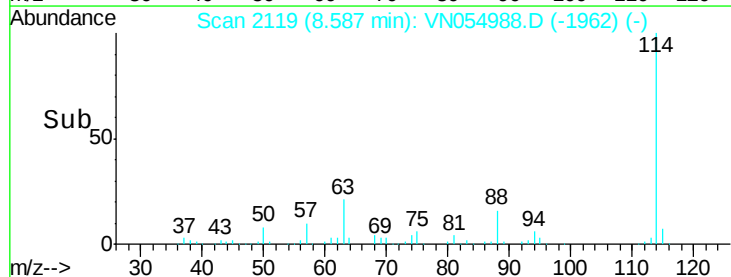
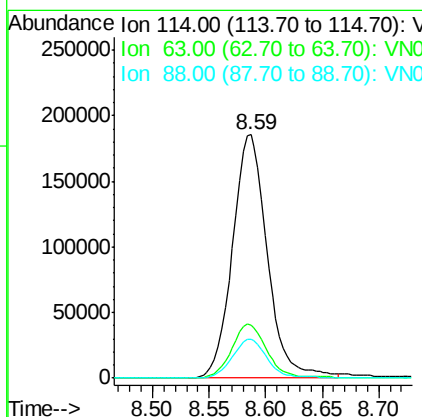
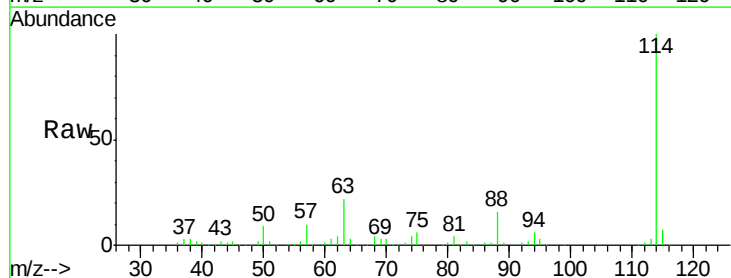
Manual Integrations
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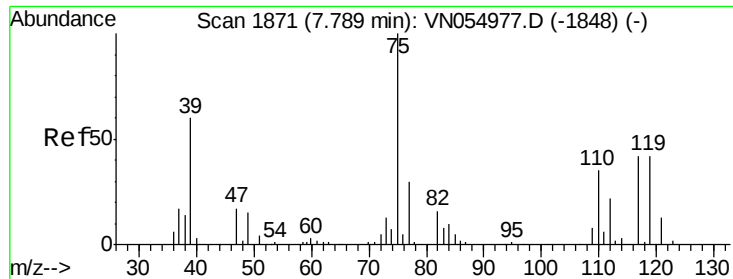
MMDadoda
 4/12/2019 1:42:04 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	398364		
63	22.5	17.0	25.4	
88	16.1	12.3	18.5	





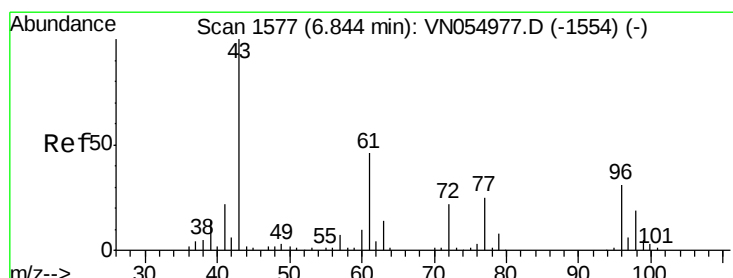
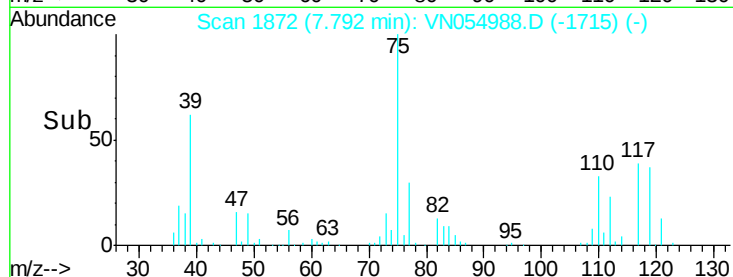
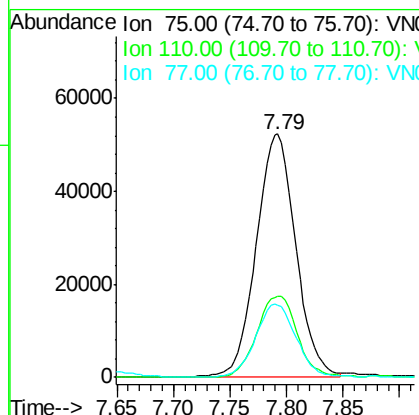
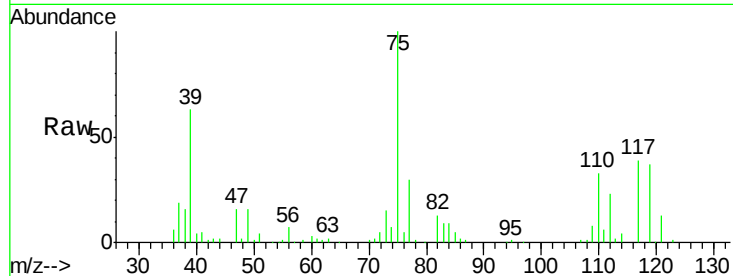
#29
 1,1-Dichloropropene
 Concen: 20.470 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Instrument :
 MSVOA_N
 ClientSampled :
 VN0411WBSD01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	34.2	0.0	68.4
77	30.9	0.0	58.6

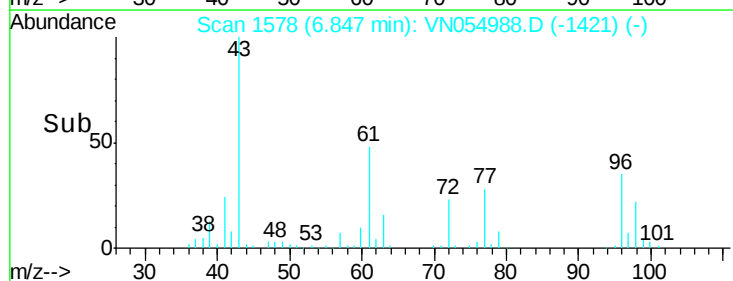
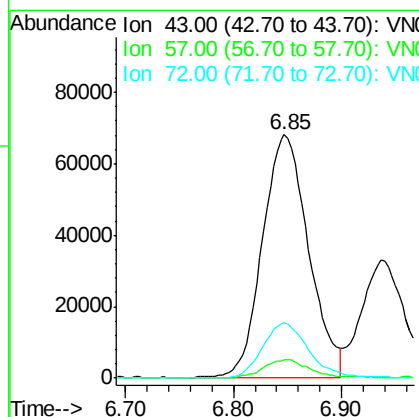
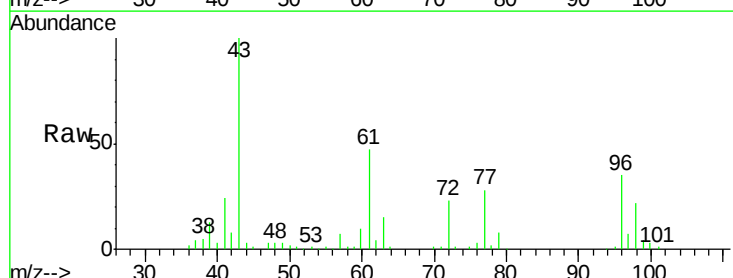
Manual Integrations
 APPROVED

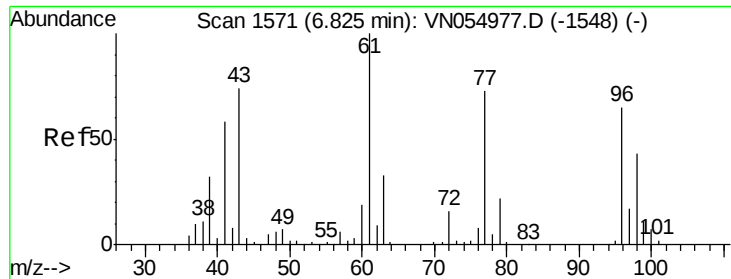
MMDadoda
 4/12/2019 1:42:04 PM



#30
 2-Butanone
 Concen: 97.002 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.8	6.0	9.0
72	23.3	18.6	27.8





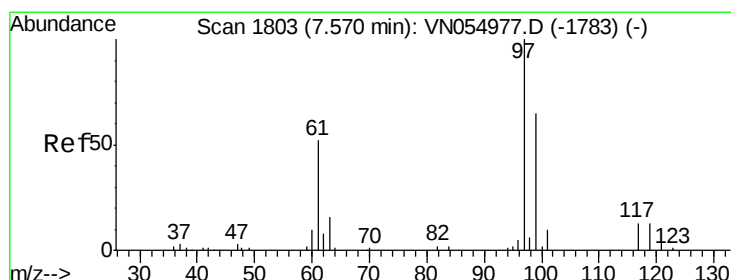
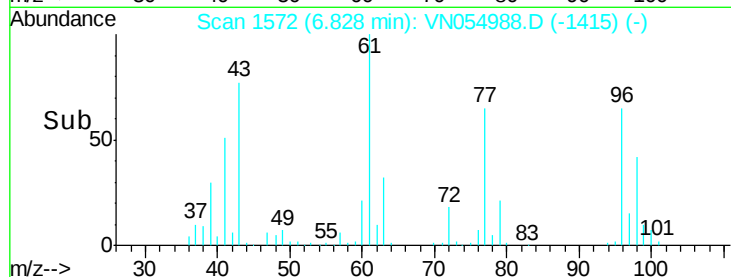
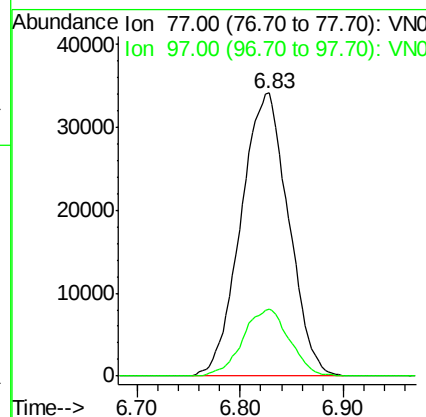
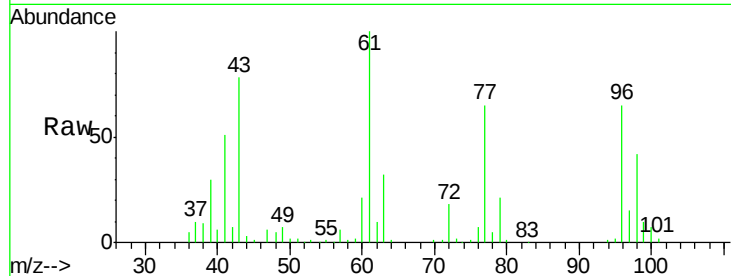
#31
 2,2-Dichloropropane
 Concen: 19.141 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0411WBSD01

Tot Ion: 77 Resp: 109295
 Ion Ratio Lower Upper
 77 100
 97 23.0 0.0 0.0#

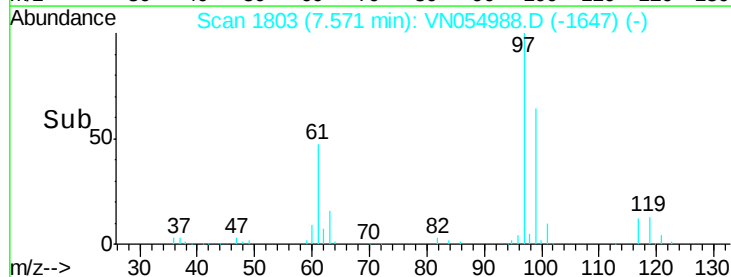
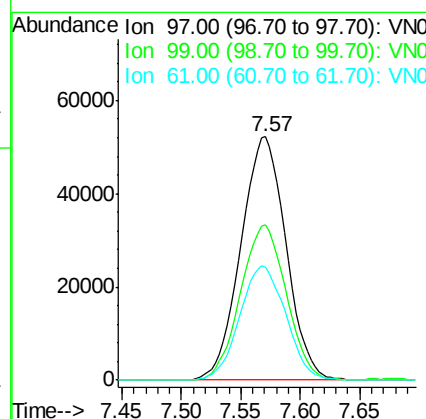
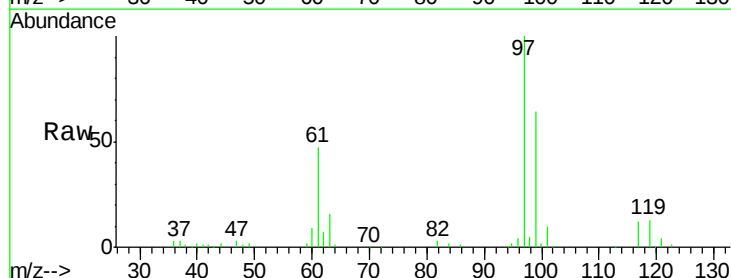
Manual Integrations
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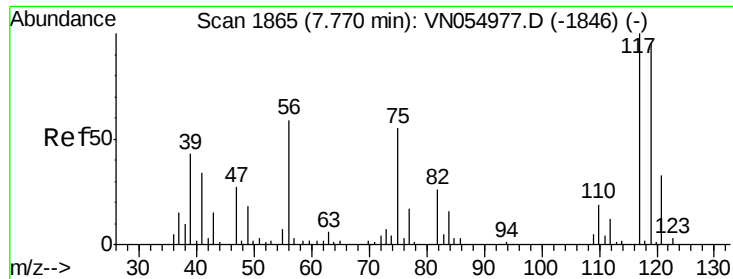
MMDadoda
 4/12/2019 1:42:04 PM



#32
 1,1,1-Trichloroethane
 Concen: 20.921 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Tgt Ion: 97 Resp: 137188
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.2 76.8
 61 48.0 40.6 60.8





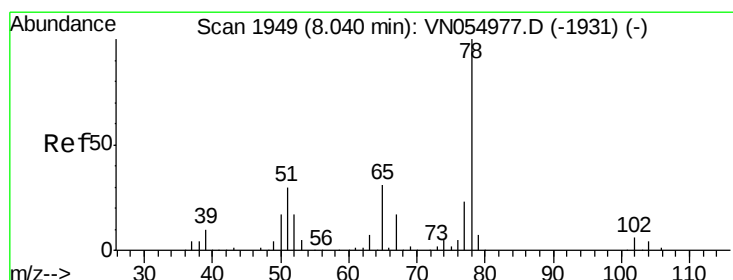
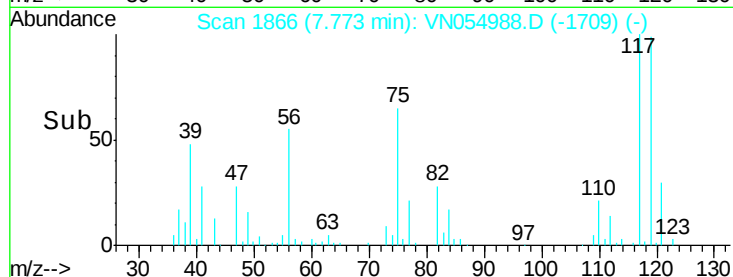
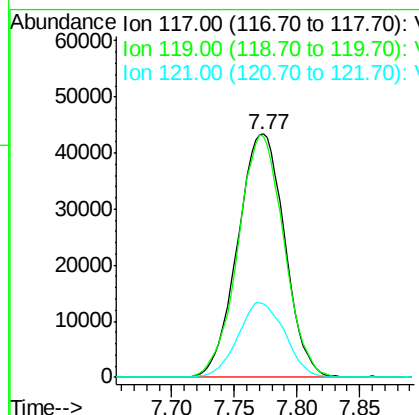
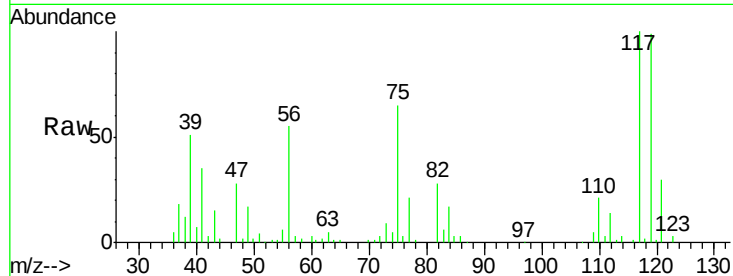
#33
Carbon Tetrachloride
Concen: 19.907 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Instrument :
MSVOA_N
ClientSampleId :
VN0411WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
119	99.2	76.1	114.1
121	30.0	26.2	39.4

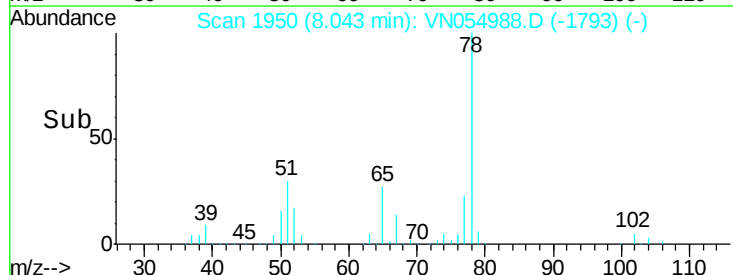
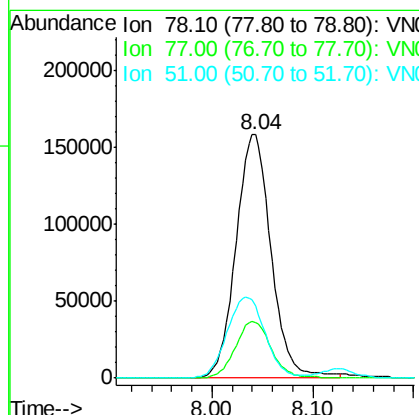
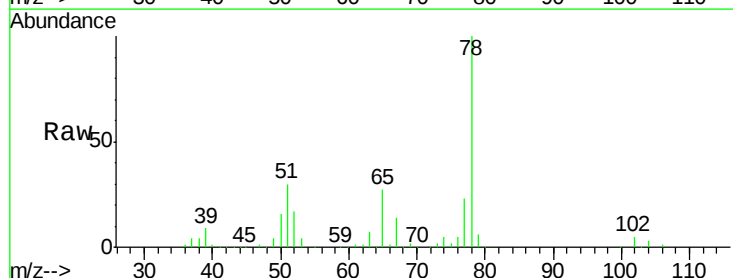
Manual Integrations
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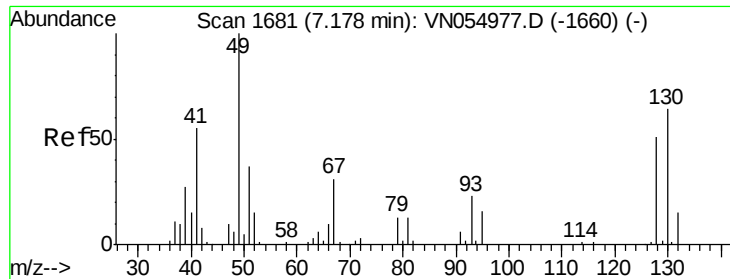
MMDadoda
4/12/2019 1:42:04 PM



#34
Benzene
Concen: 20.851 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.2	27.4
51	29.4	23.7	35.5





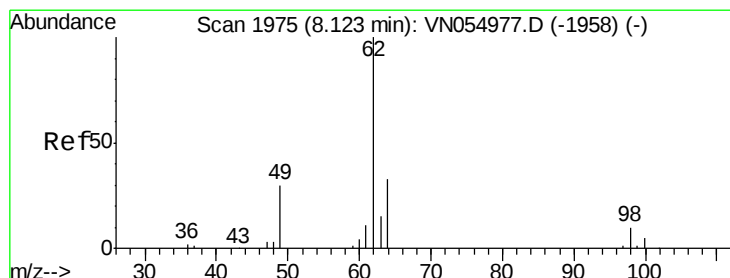
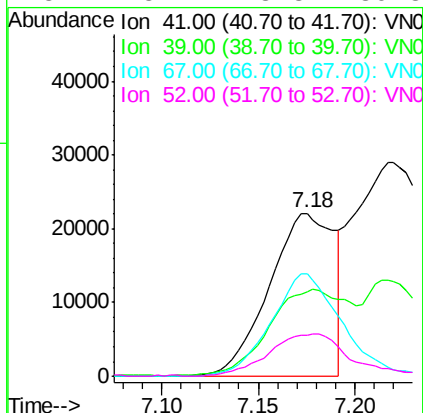
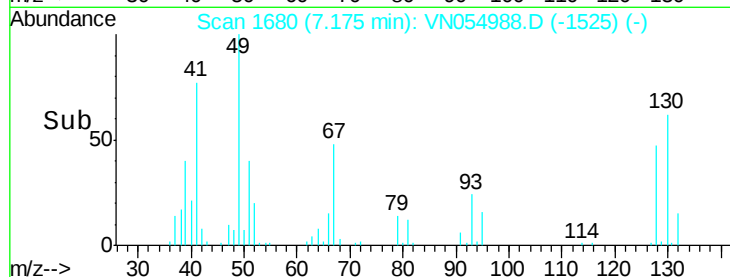
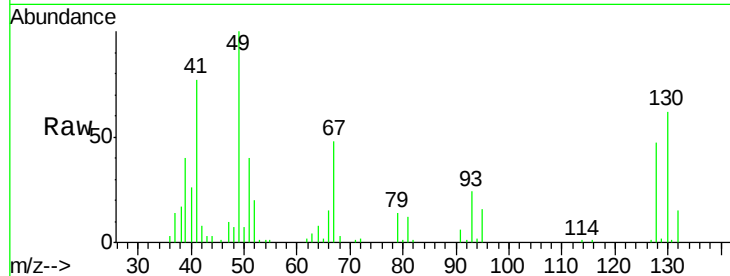
#35
Methacrylonitrile
Concen: 21.265 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Instrument :
MSVOA_N
ClientSampleId :
VN0411WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.3	24.2	72.6	
67	62.5	28.1	84.2	
52	25.4	13.3	39.8	

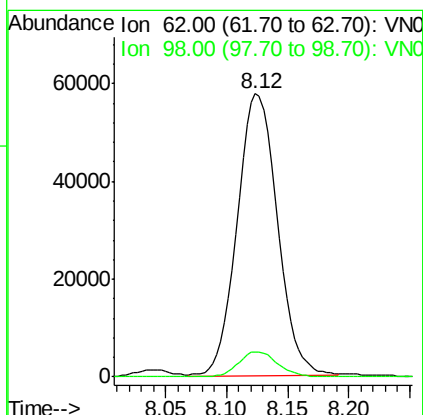
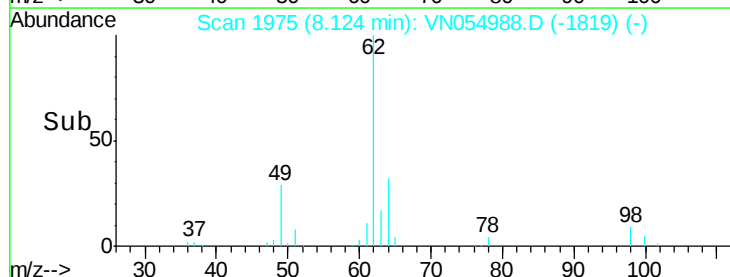
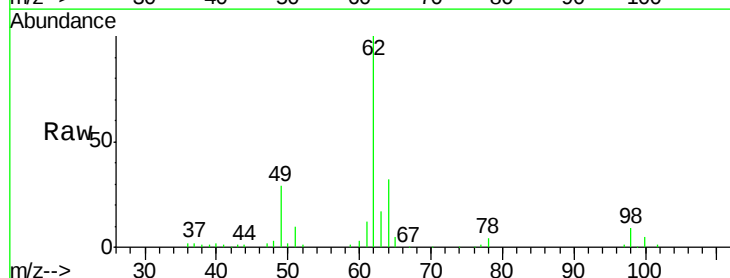
Manual Integrations
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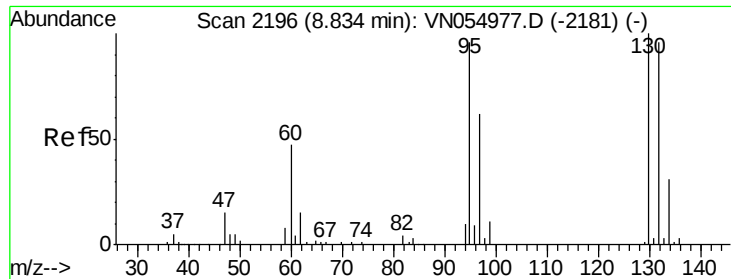
MMDadoda
4/12/2019 1:42:04 PM



#36
1,2-Dichloroethane
Concen: 20.945 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	6.9	10.3	





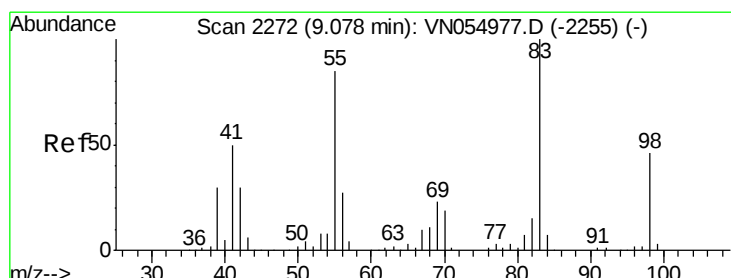
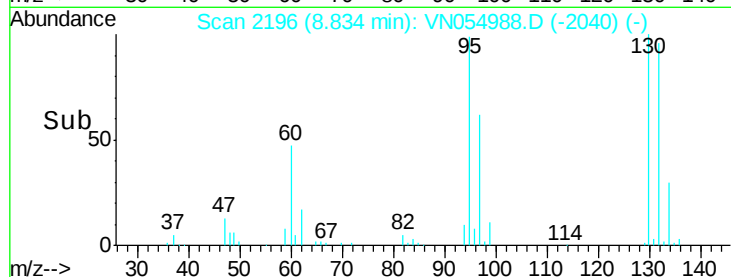
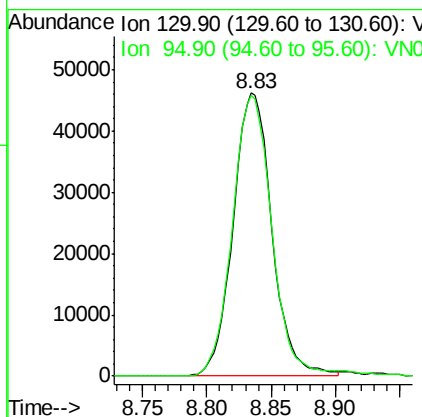
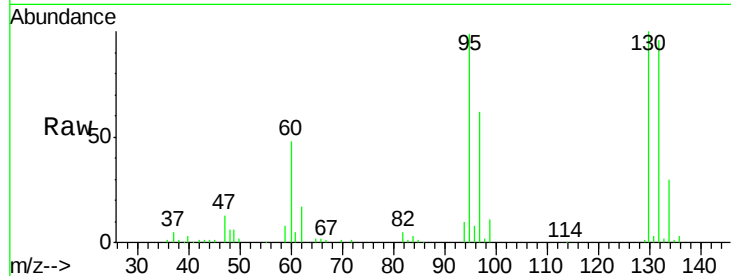
#37
 Trichloroethene
 Concen: 20.649 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0411WBSD01

Tot Ion:130 Resp: 96782
 Ion Ratio Lower Upper
 130 100
 95 99.2 76.6 115.0

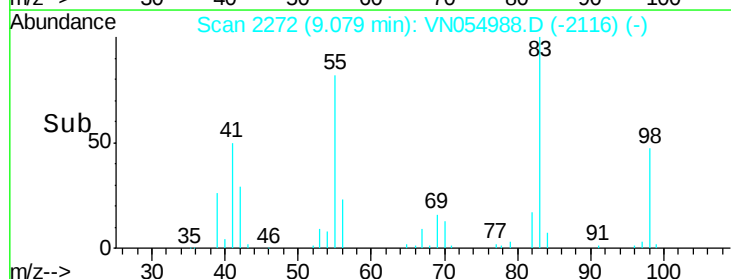
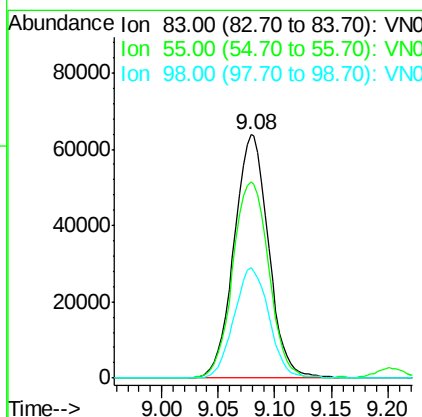
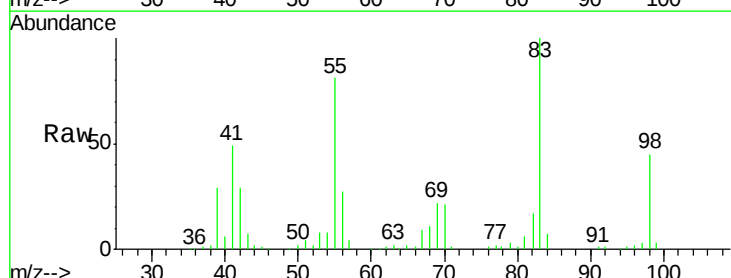
Manual Integrations
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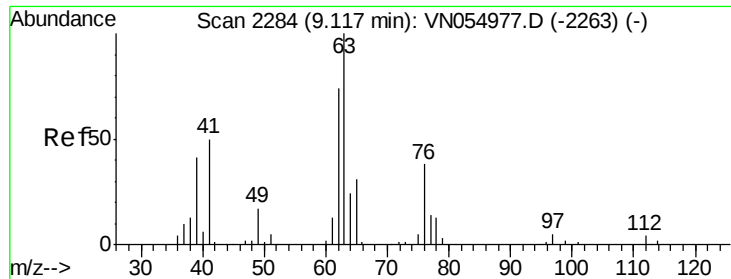
MMDadoda
 4/12/2019 1:42:04 PM



#38
 Methylcyclohexane
 Concen: 18.860 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Tgt Ion: 83 Resp: 135691
 Ion Ratio Lower Upper
 83 100
 55 83.9 41.9 125.6
 98 45.8 22.4 67.0





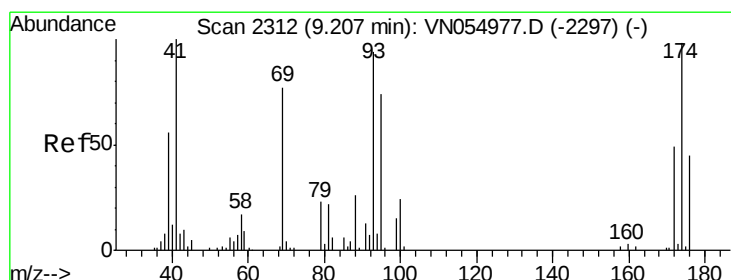
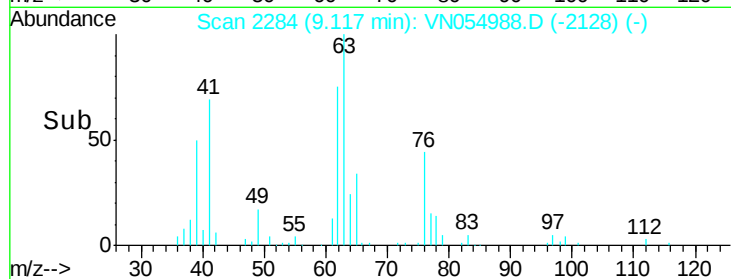
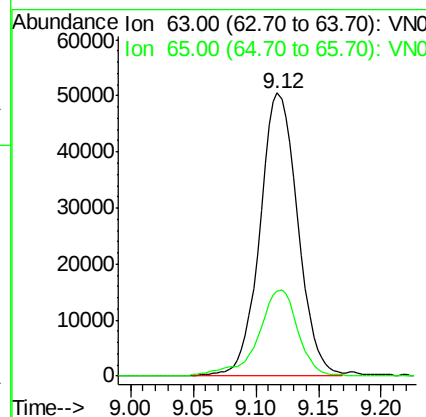
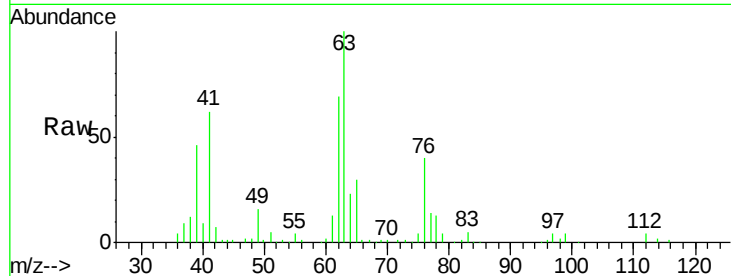
#39
 1,2-Dichloropropane
 Concen: 20.955 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0411WBSD01

Tot Ion: 63 Resp: 106382
 Ion Ratio Lower Upper
 63 100
 65 29.8 24.8 37.2

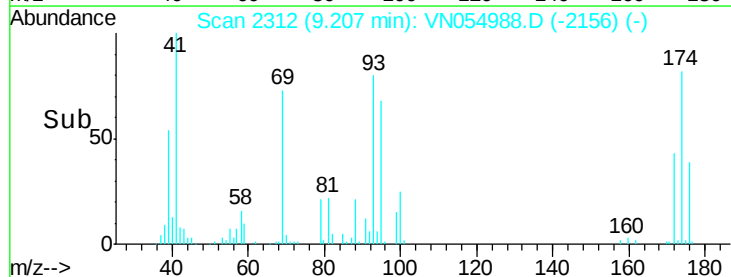
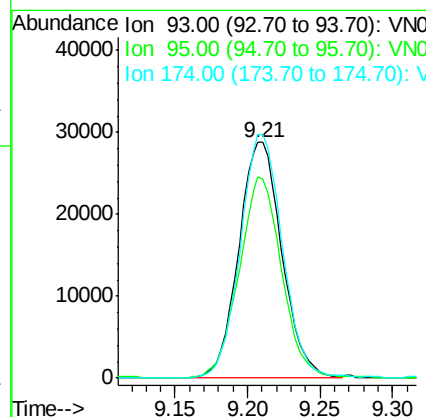
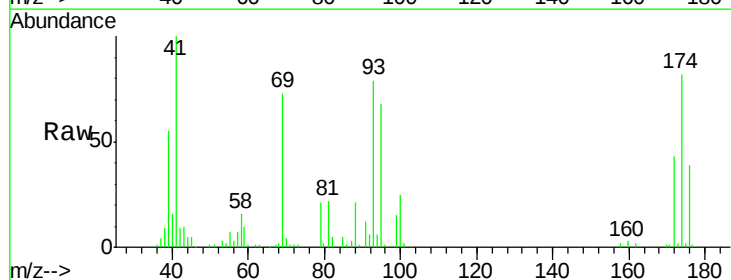
Manual Integrations
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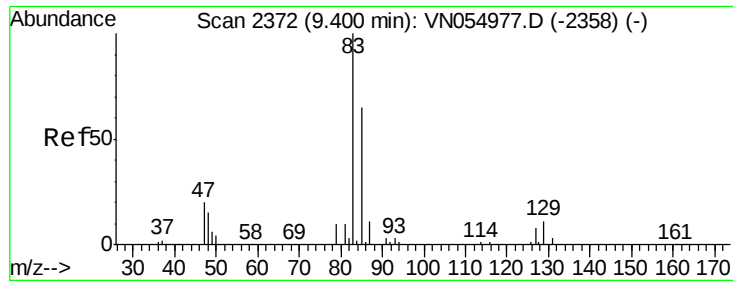
MMDadoda
 4/12/2019 1:42:04 PM



#40
 Dibromomethane
 Concen: 20.803 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Tgt Ion: 93 Resp: 59693
 Ion Ratio Lower Upper
 93 100
 95 83.6 0.0 160.8
 174 100.8 0.0 206.4





#41

Bromodichloromethane

Concen: 20.074 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. 0.00 min

Lab File: VN054988.D

Acq: 11 Apr 2019 20:15

Instrument :

MSVOA_N

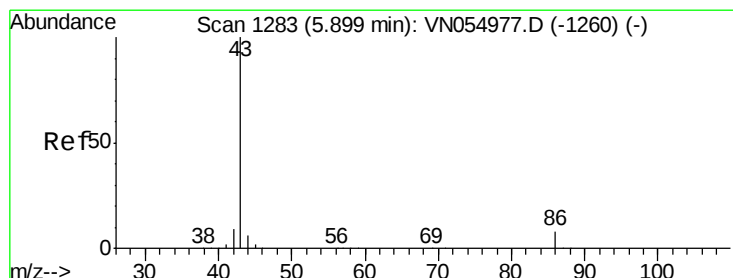
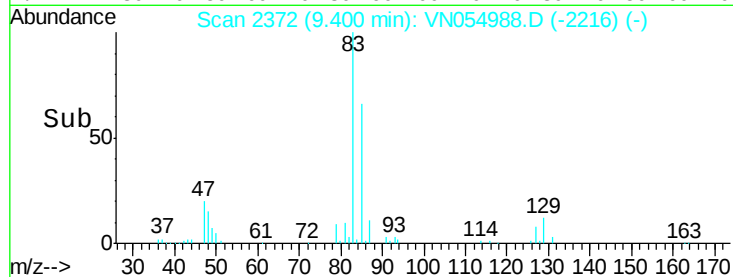
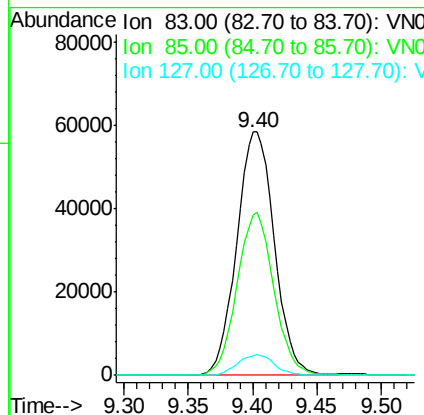
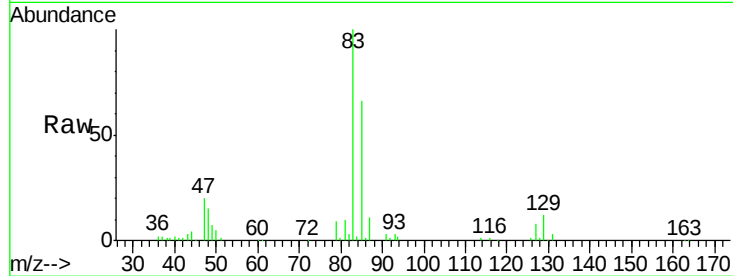
ClientSampleId :

VN0411WBSD01

Tot Ion:	83	Resp:	118877
Ion Ratio	Lower	Upper	
83	100		
85	66.1	52.0	78.0
127	8.2	7.2	10.8

Manual Integrations
APPROVED

MMDadoda
4/12/2019 1:42:04 PM



#42

Vinyl Acetate

Concen: 103.042 ug/l

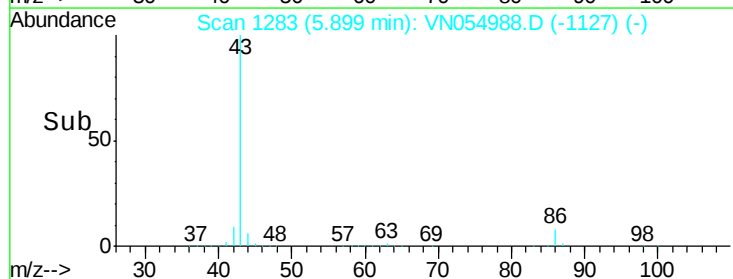
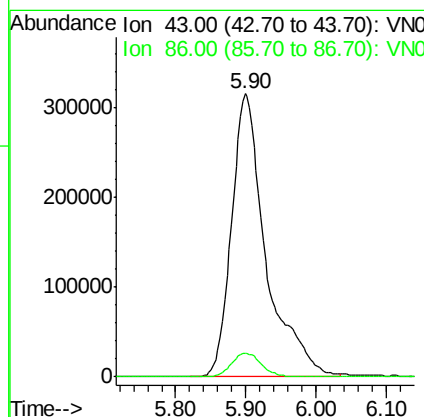
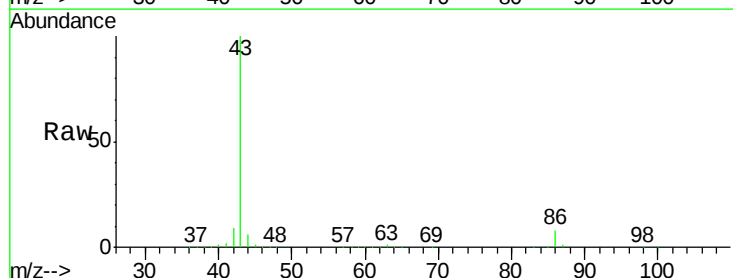
RT: 5.90 min Scan# 1283

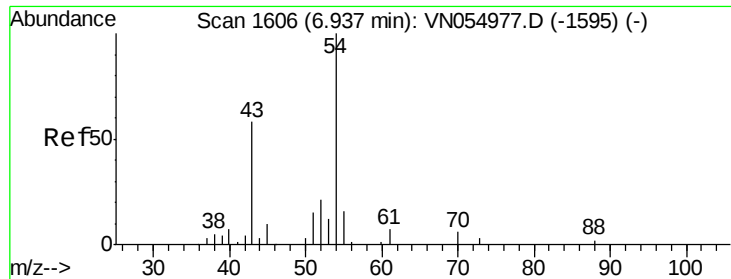
Delta R.T. 0.00 min

Lab File: VN054988.D

Acq: 11 Apr 2019 20:15

Tgt Ion:	43	Resp:	1072797
Ion Ratio	Lower	Upper	
43	100		
86	7.4	5.7	8.5





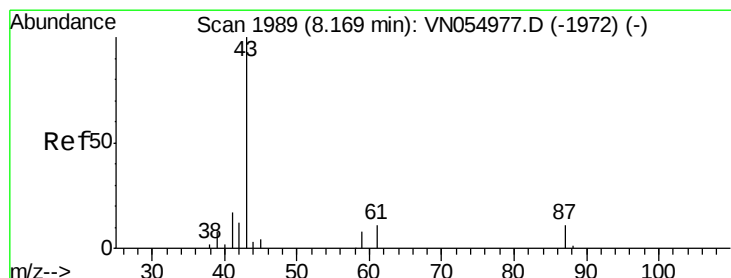
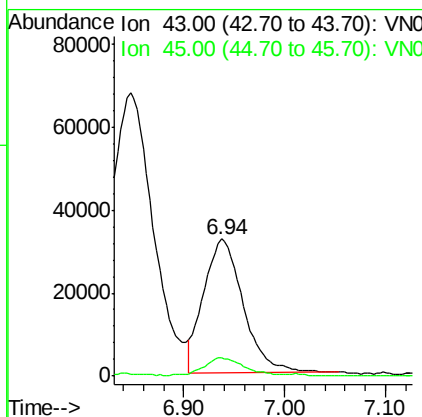
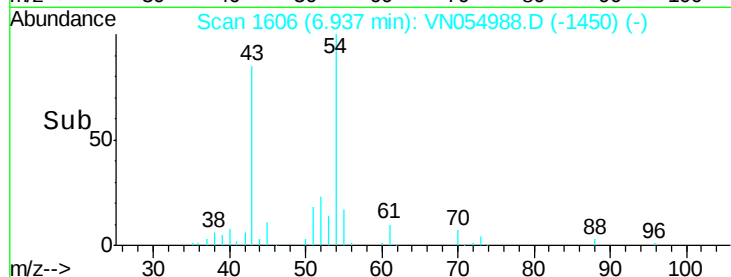
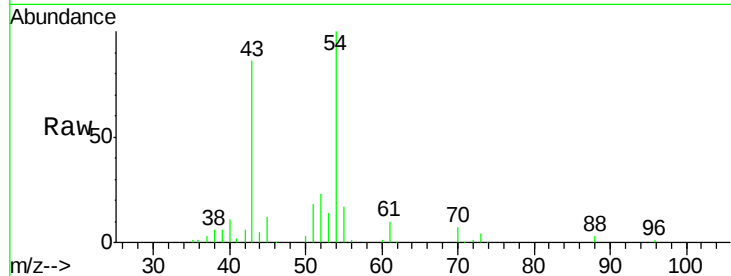
#43
Ethyl Acetate
Concen: 21.130 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Instrument :
MSVOA_N
ClientSampleId :
VN0411WBSD01

Tot Ion: 43 Resp: 88649
Ion Ratio Lower Upper
43 100
45 14.5 10.6 15.8

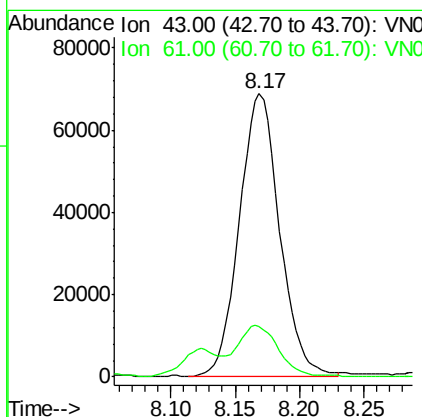
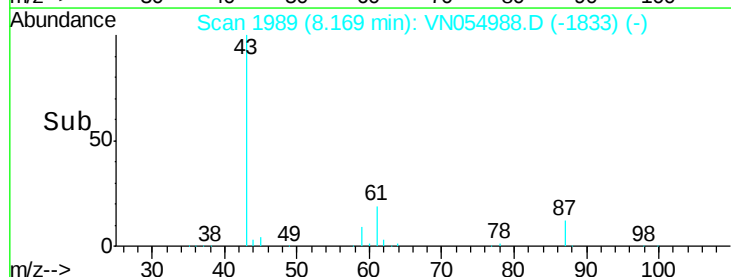
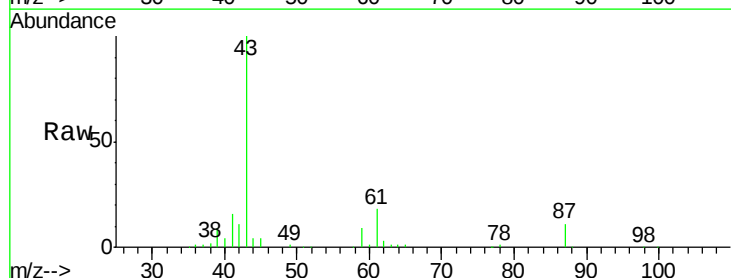
Manual Integrations
APPROVED

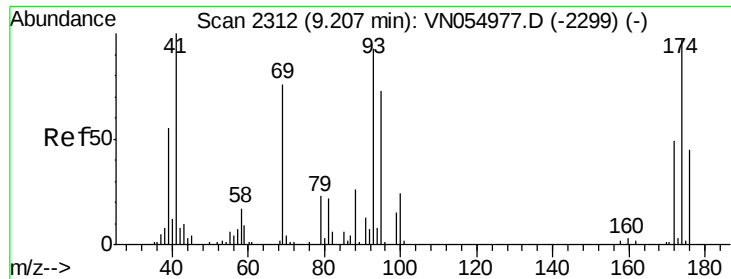
MMDadoda
4/12/2019 1:42:04 PM



#44
Isopropyl Acetate
Concen: 20.978 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Tgt Ion: 43 Resp: 149150
Ion Ratio Lower Upper
43 100
61 18.3 14.8 22.2





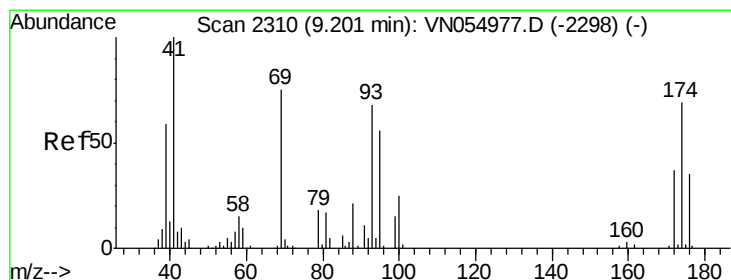
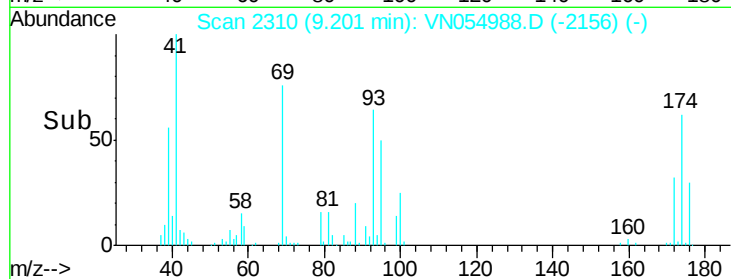
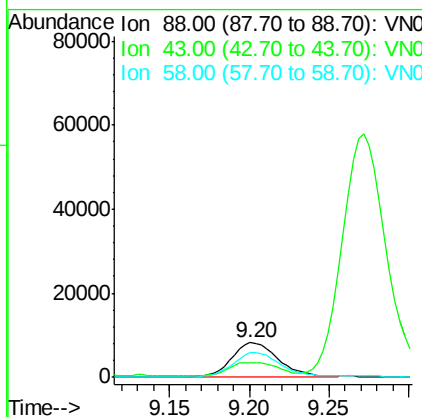
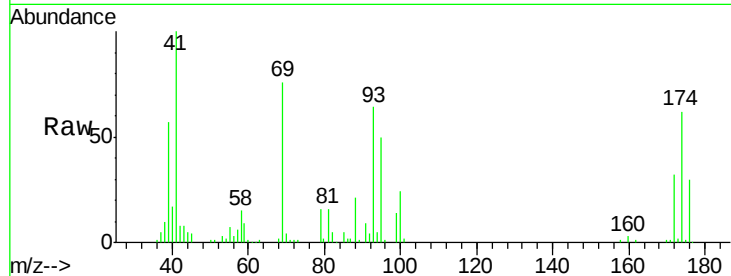
#45
 1,4-Dioxane
 Concen: 426.329 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.01 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0411WBSD01

Tot Ion	88	Resp	16793
Ion Ratio	Lower	Upper	
88	100		
43	16.6	34.5	51.7#
58	73.6	60.3	90.5

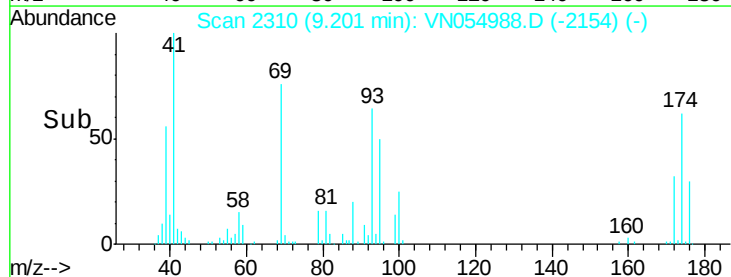
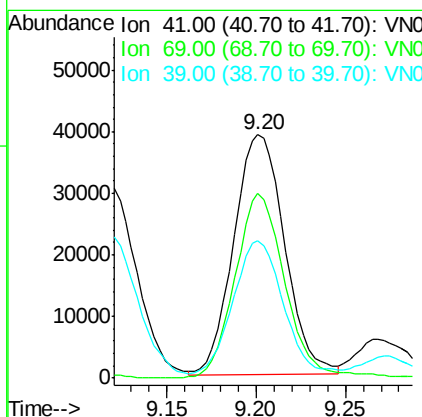
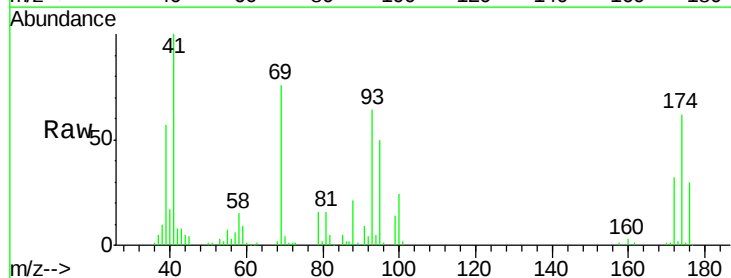
Manual Integrations
 APPROVED

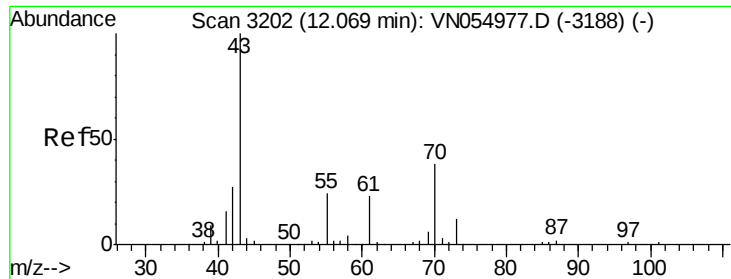
MMDadoda
 4/12/2019 1:42:04 PM



#46
 Methyl methacrylate
 Concen: 21.113 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Tgt Ion	41	Resp	77655
Ion Ratio	Lower	Upper	
41	100		
69	77.5	37.3	111.9
39	56.2	29.4	88.2





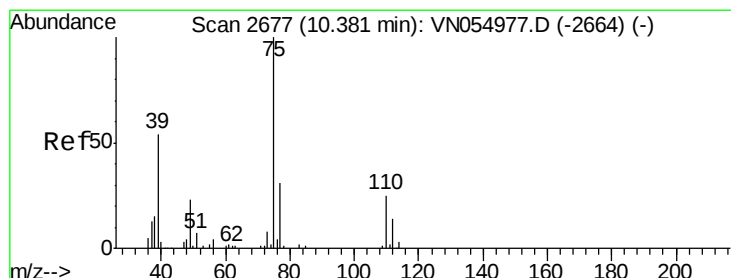
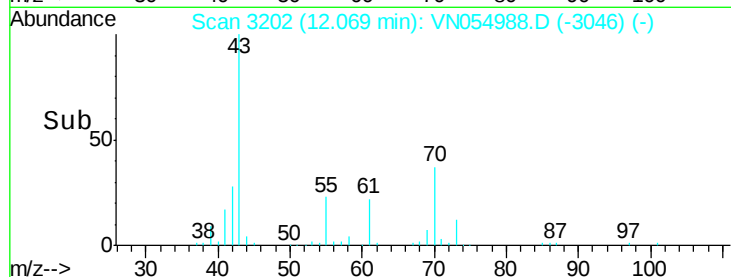
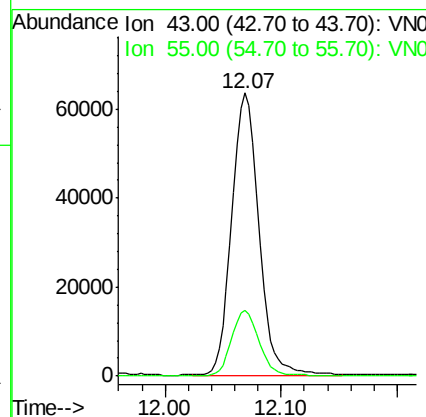
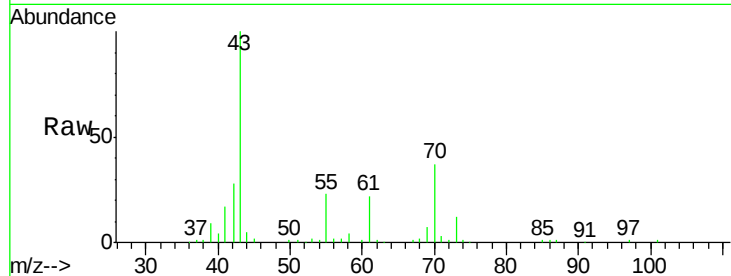
#47
n-amyl Acetate
Concen: 19.591 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Instrument :
MSVOA_N
ClientSampled :
VN0411WBSD01

Tot Ion	43	Resp	102596
Ion Ratio	100	Lower	Upper
43	100	19.8	29.6
55	23.8		

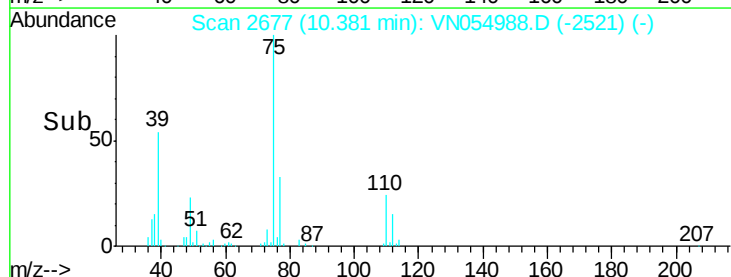
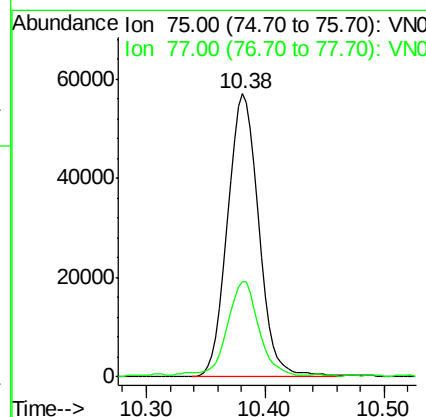
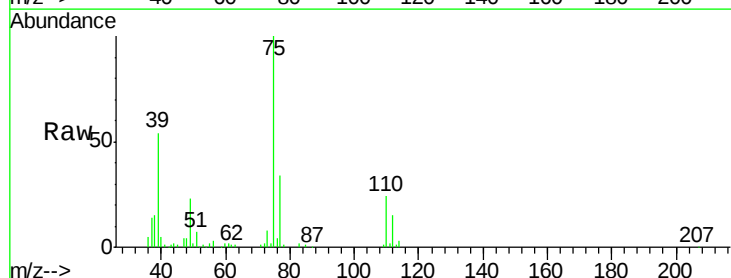
Manual Integrations
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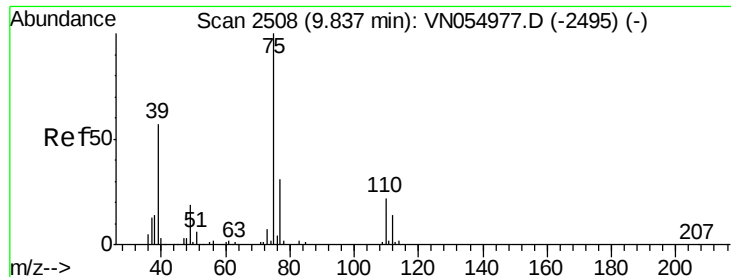
MMDadoda
4/12/2019 1:42:04 PM



#48
t-1,3-Dichloropropene
Concen: 19.129 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Tgt Ion	75	Resp	104026
Ion Ratio	100	Lower	Upper
75	100	24.6	37.0
77	33.3		





#49

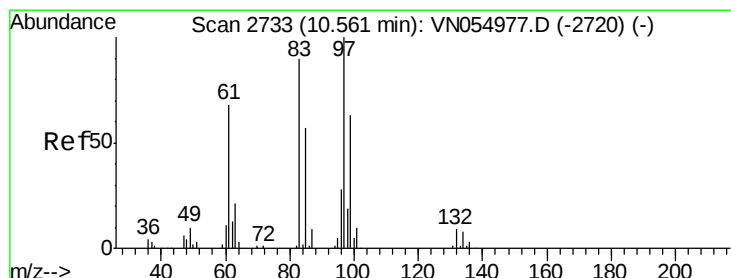
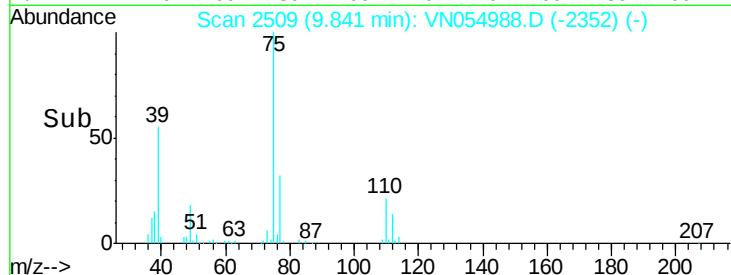
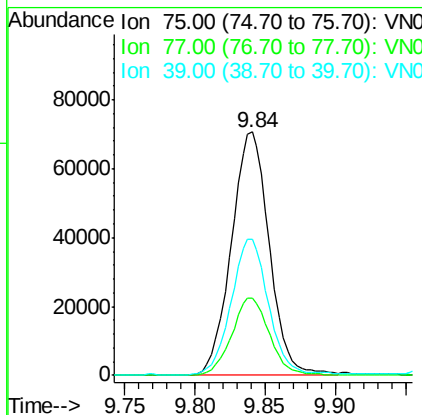
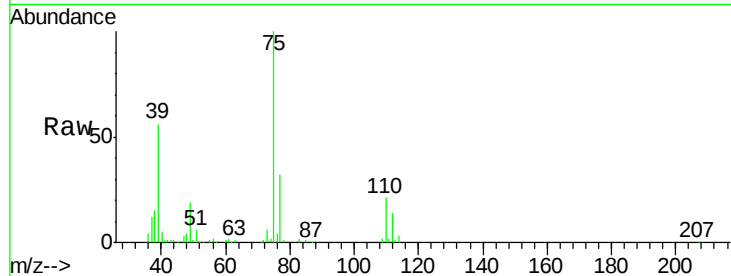
cis-1,3-Dichloropropene
Concen: 19.814 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Instrument :
MSVOA_N
ClientSampleId :
VN0411WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.7	37.1
39	55.6	45.3	67.9

Manual Integrations
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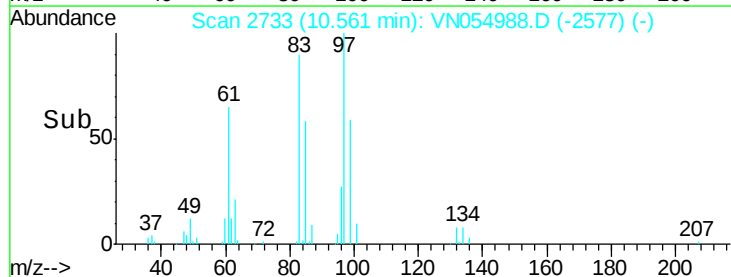
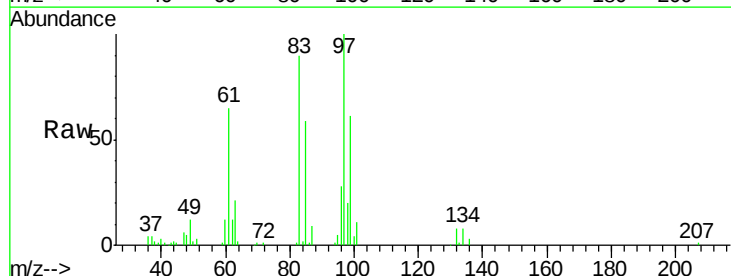
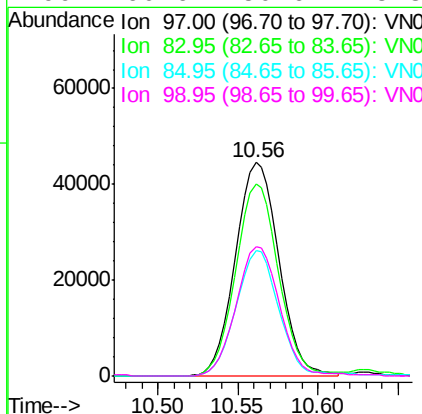
MMDadoda
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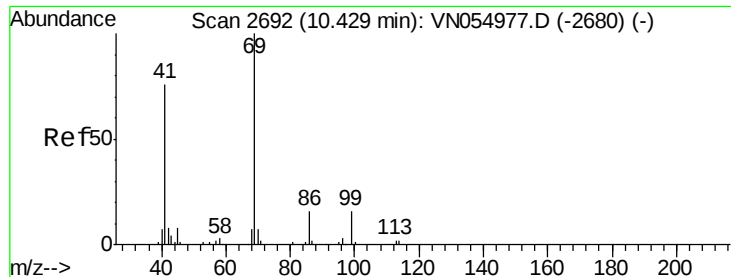


#50

1,1,2-Trichloroethane
Concen: 21.218 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.8	72.1	108.1
85	59.0	45.4	68.0
99	60.6	50.6	75.8





#51

Ethyl methacrylate

Concen: 20.138 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054988.D

Acq: 11 Apr 2019 20:15

Instrument :

MSVOA_N

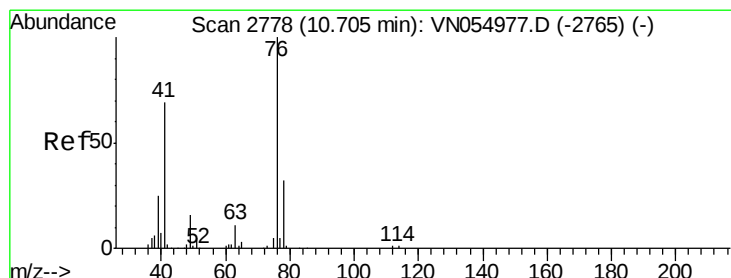
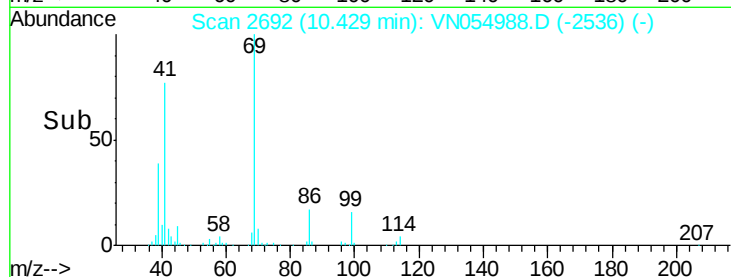
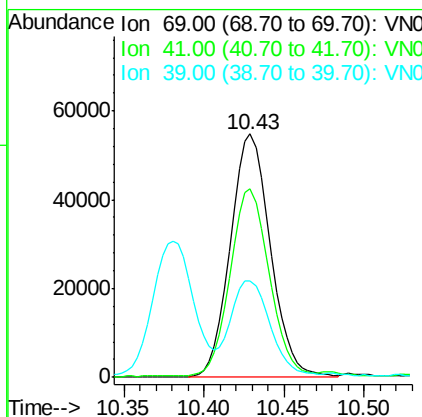
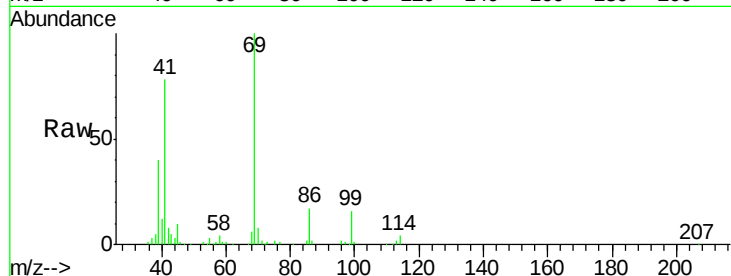
ClientSampleId :

VN0411WBSD01

Tot Ion:	69	Resp:	93557
Ion	Ratio	Lower	Upper
69	100		
41	76.7	37.9	113.7
39	38.3	19.8	59.4

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.632 ug/l

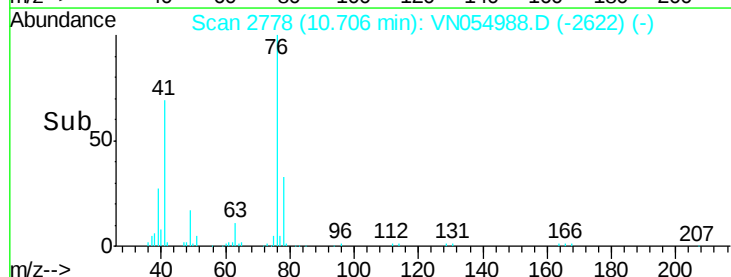
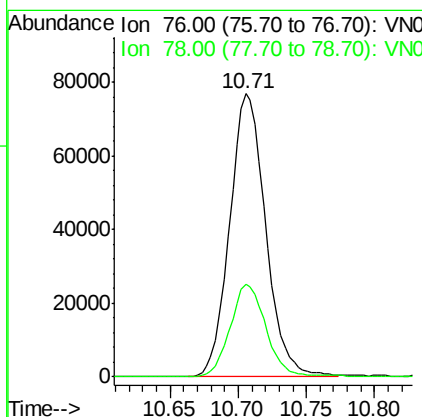
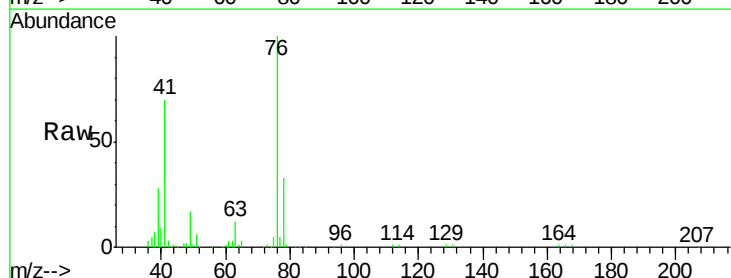
RT: 10.71 min Scan# 2778

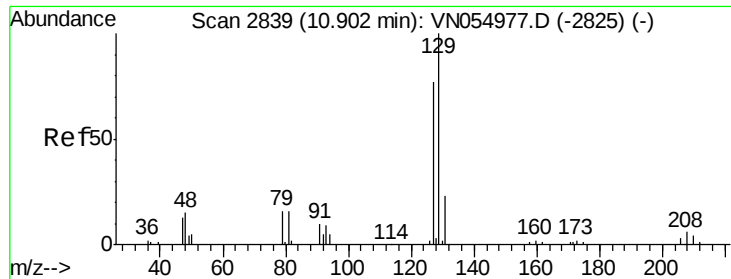
Delta R.T. 0.00 min

Lab File: VN054988.D

Acq: 11 Apr 2019 20:15

Tgt Ion:	76	Resp:	140902
Ion	Ratio	Lower	Upper
76	100		
78	32.4	0.0	64.4





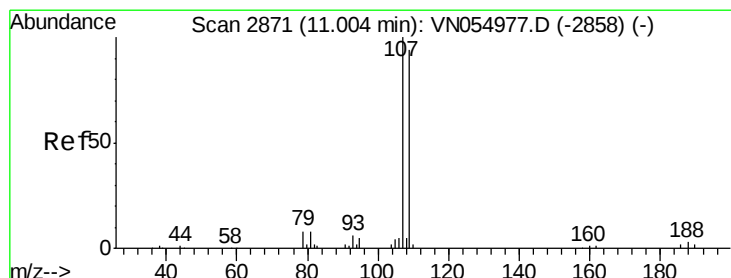
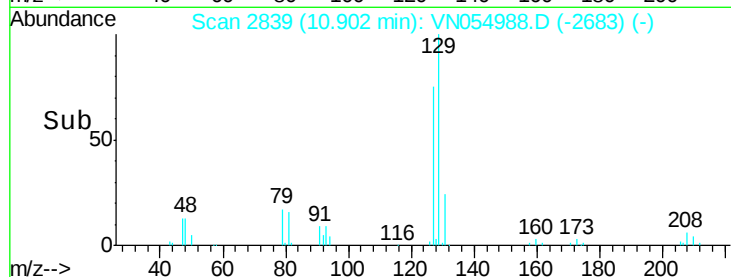
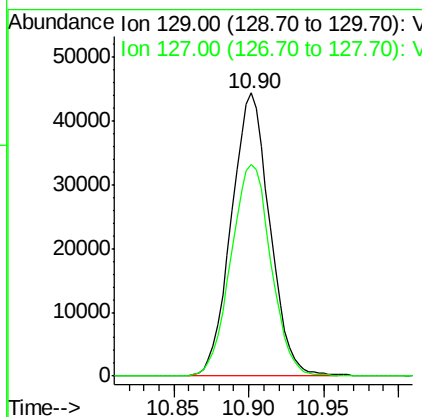
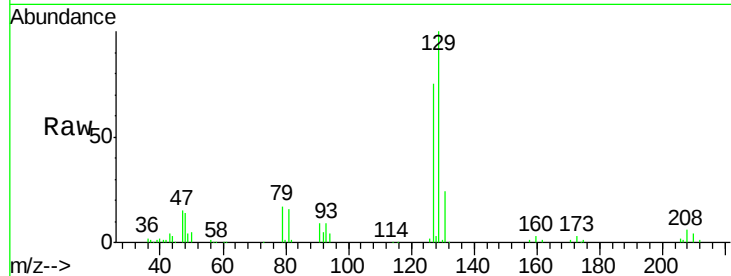
#53
 Dibromochloromethane
 Concen: 19.728 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0411WBSD01

Tot Ion:129 Resp: 79200
 Ion Ratio Lower Upper
 129 100
 127 78.1 37.8 113.3

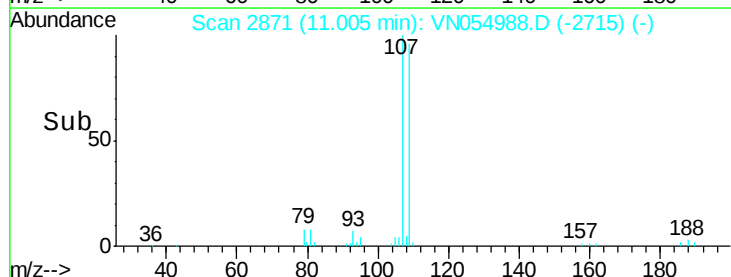
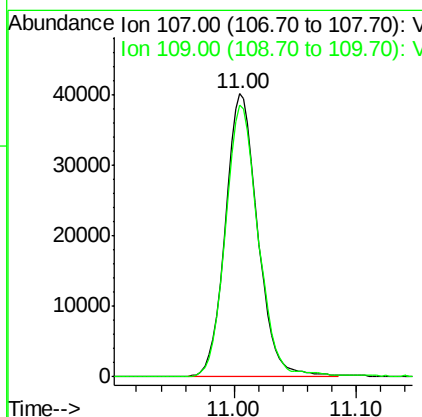
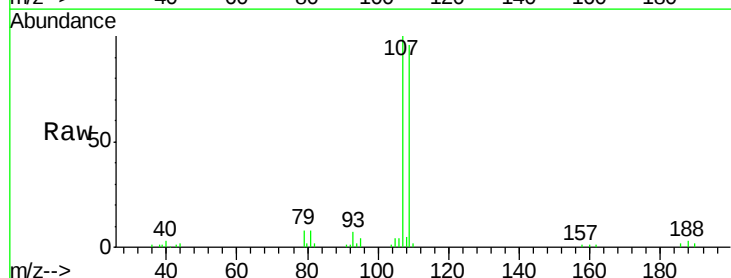
Manual Integrations
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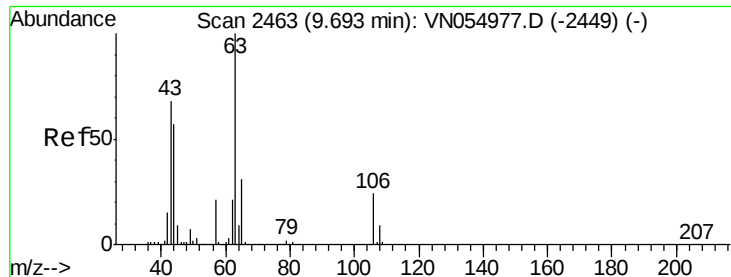
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#54
 1,2-Dibromoethane
 Concen: 20.385 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Tgt Ion:107 Resp: 74585
 Ion Ratio Lower Upper
 107 100
 109 95.9 76.2 114.2





#55

2-Chloroethyl vinyl ether

Concen: 96.672 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054988.D

Acq: 11 Apr 2019 20:15

Instrument :

MSVOA_N

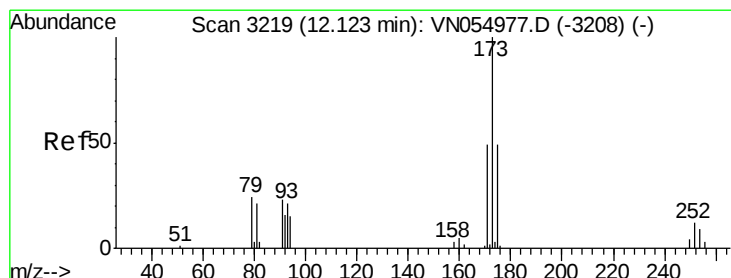
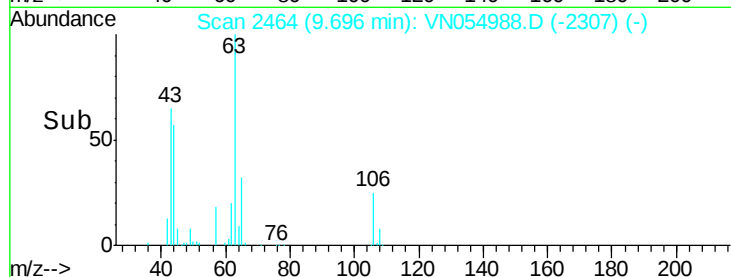
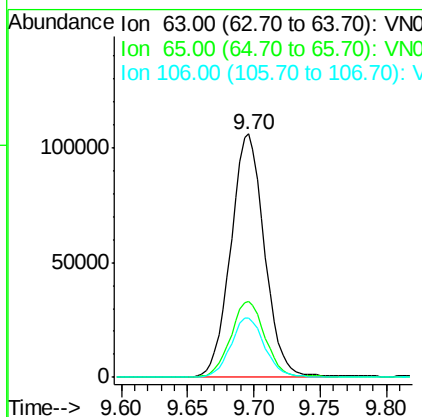
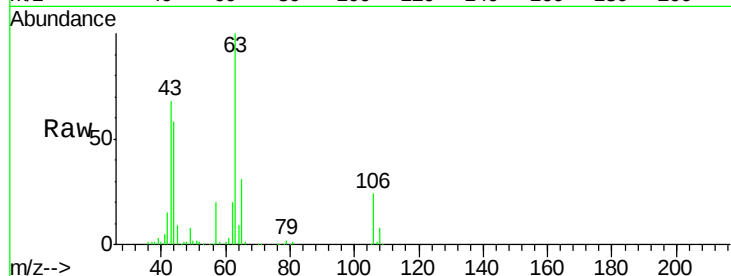
ClientSampleId :

VN0411WBSD01

Tot Ion:	63	Resp:	187761
Ion Ratio	Lower	Upper	
63	100		
65	31.7	25.4	38.0
106	24.5	19.8	29.6

Manual Integrations
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#56

Bromoform

Concen: 18.316 ug/l

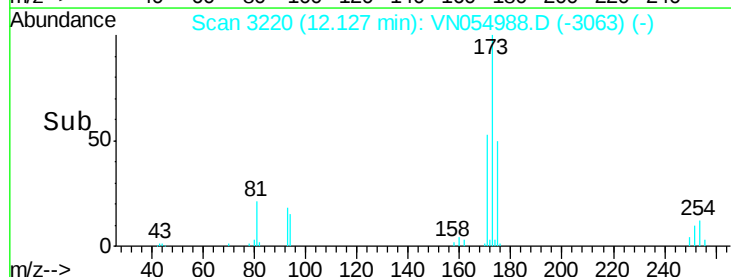
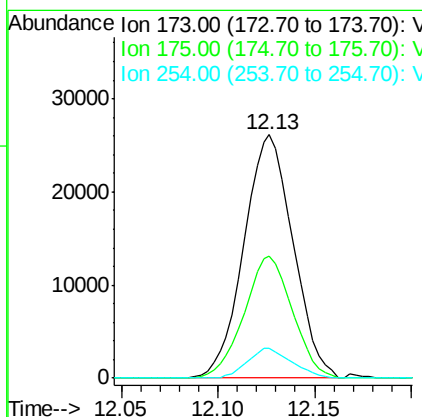
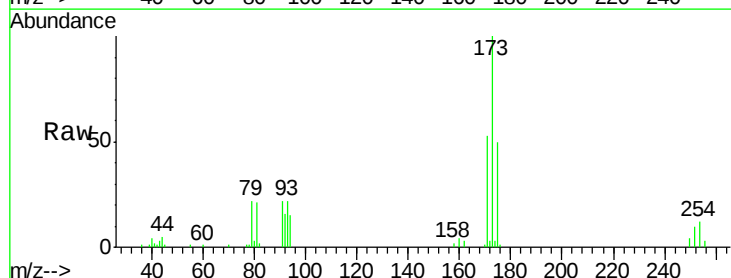
RT: 12.13 min Scan# 3220

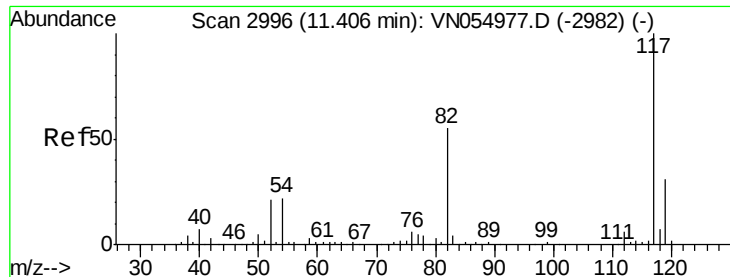
Delta R.T. 0.00 min

Lab File: VN054988.D

Acq: 11 Apr 2019 20:15

Tgt Ion:	173	Resp:	46202
Ion Ratio	Lower	Upper	
173	100		
175	49.2	38.6	57.8
254	11.0	6.8	10.2#





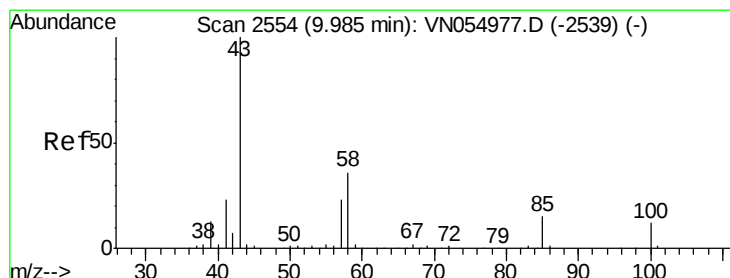
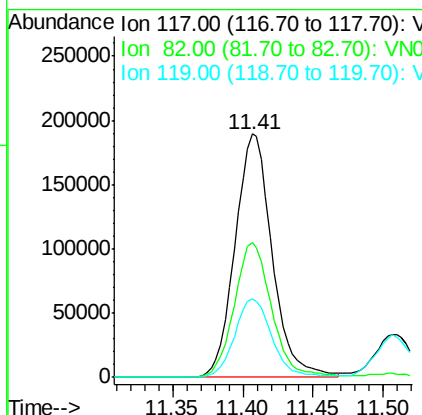
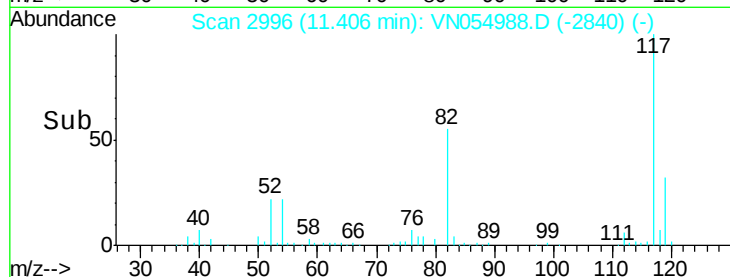
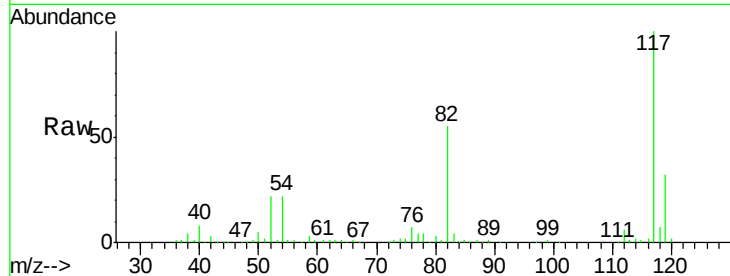
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Instrument :
MSVOA_N
ClientSampled :
VN0411WBSD01

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

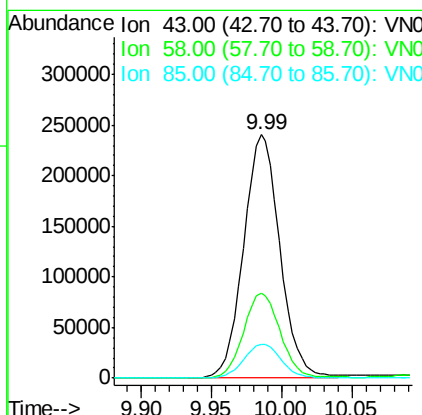
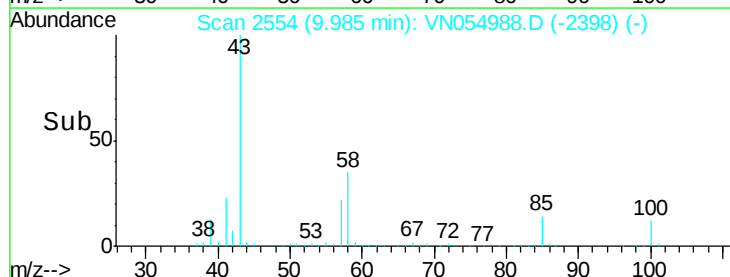
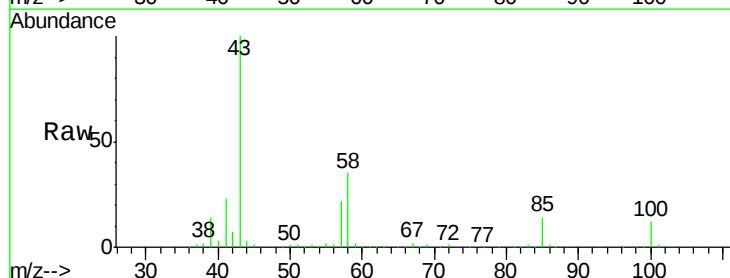
Manual Integrations
APPROVED

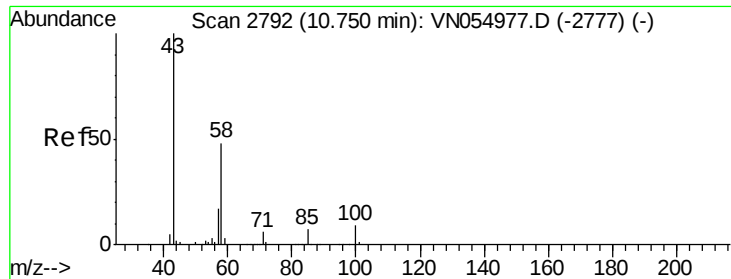
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 107.063 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
58	35.4	28.7	43.1	
85	14.4	11.8	17.6	





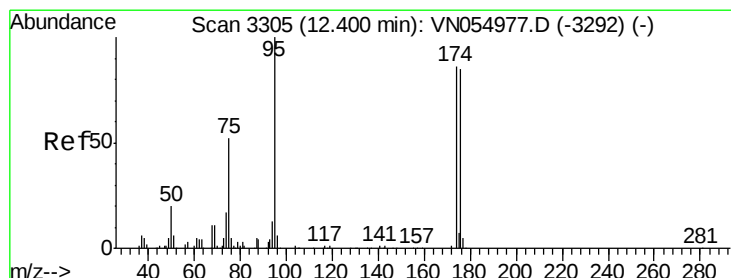
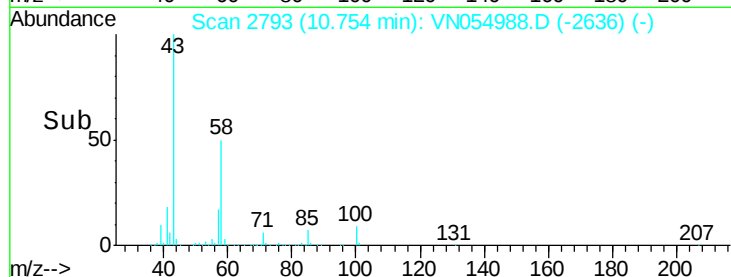
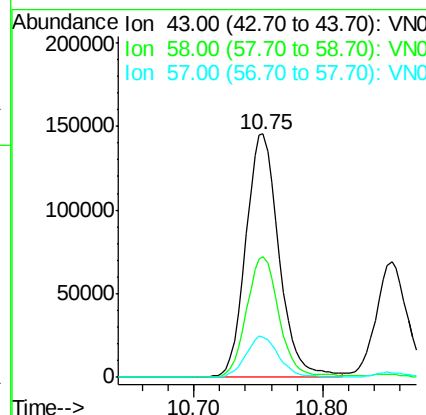
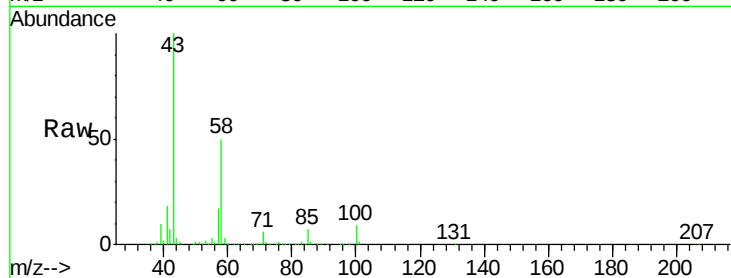
#59
2-Hexanone
Concen: 101.144 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Instrument :
MSVOA_N
ClientSampleId :
VN0411WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.2	38.8	58.2
57	17.1	13.8	20.6

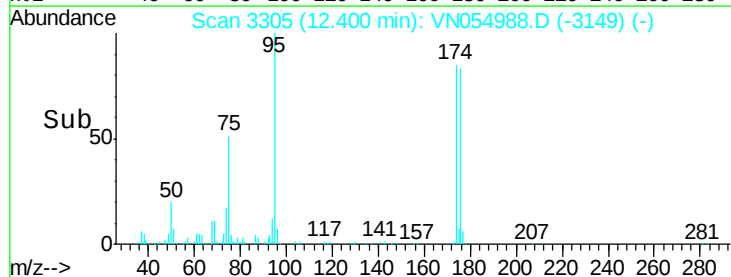
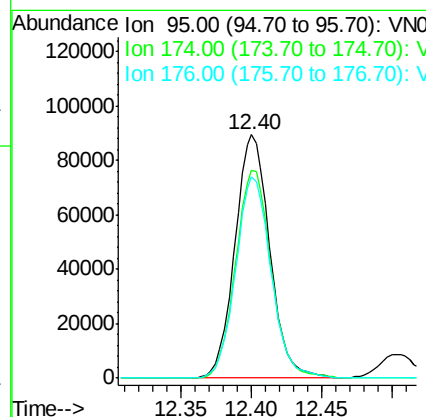
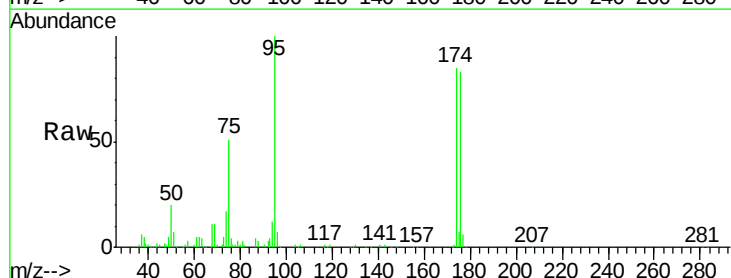
Manual Integrations
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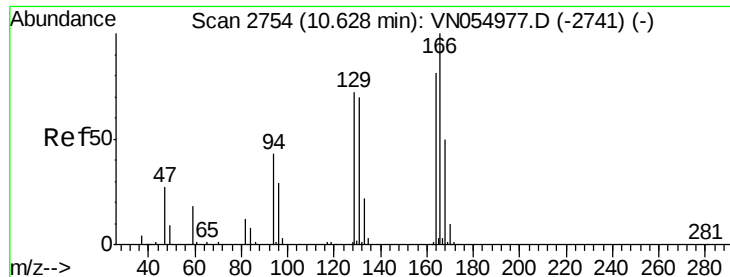
MMDadoda
4/12/2019 1:42:04 PM



#60
4-Bromofluorobenzene
Concen: 101.144 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.0	69.4	104.2
176	83.8	67.4	101.2





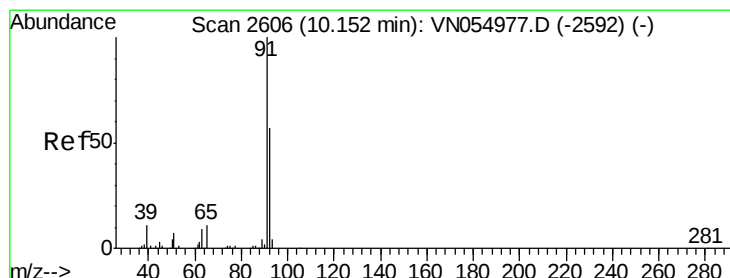
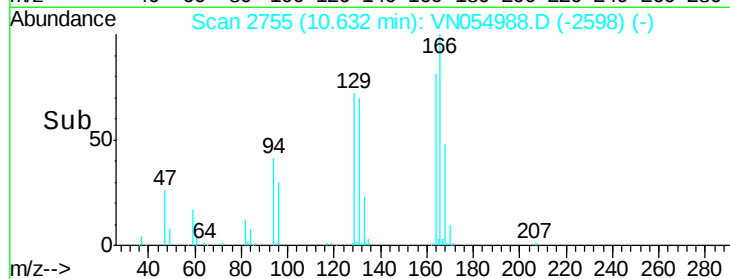
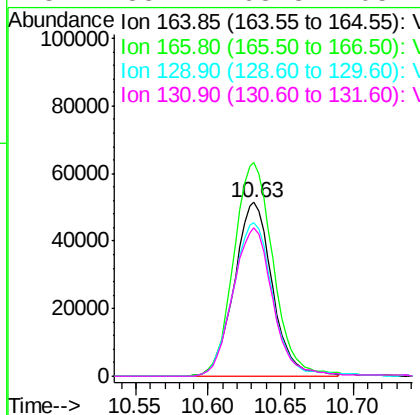
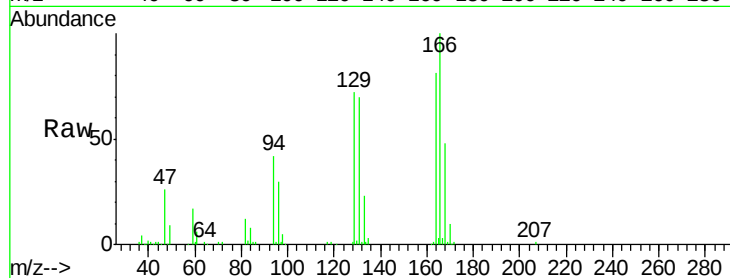
#61
Tetrachloroethene
Concen: 20.640 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Instrument :
MSVOA_N
ClientSampleId :
VN0411WBSD01

Tot Ion	Ratio	Lower	Upper
164	100		
166	123.1	99.0	148.4
129	88.8	71.4	107.0
131	85.7	68.8	103.2

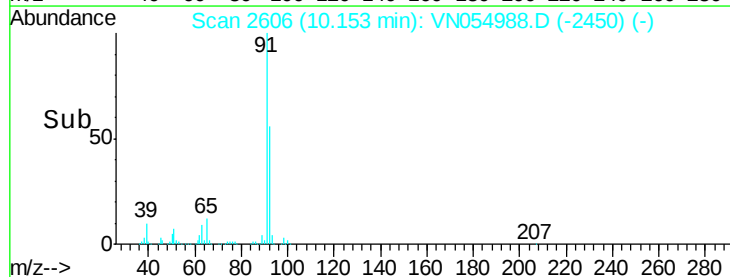
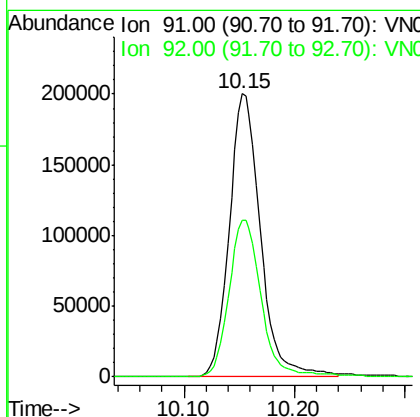
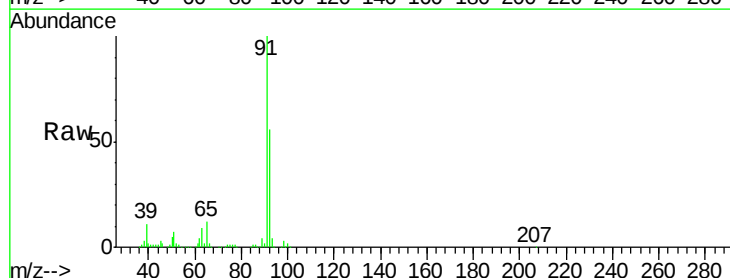
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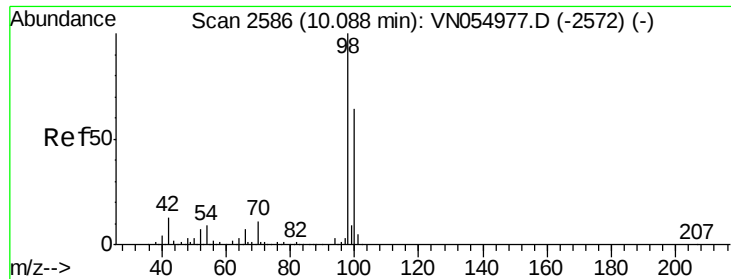
MMDadoda
4/12/2019 1:42:04 PM



#62
Toluene
Concen: 20.346 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.8	44.8	67.2





#63

Toluene-d8

Concen: 20.346 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054988.D

Acq: 11 Apr 2019 20:15

Instrument :

MSVOA_N

ClientSampleId :

VN0411WBSD01

Tot Ion: 98 Resp: 512888

Ion Ratio Lower Upper

98 100

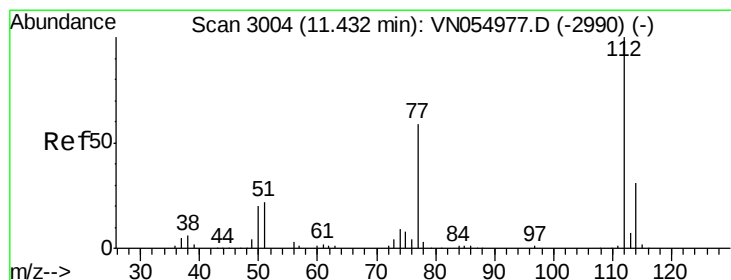
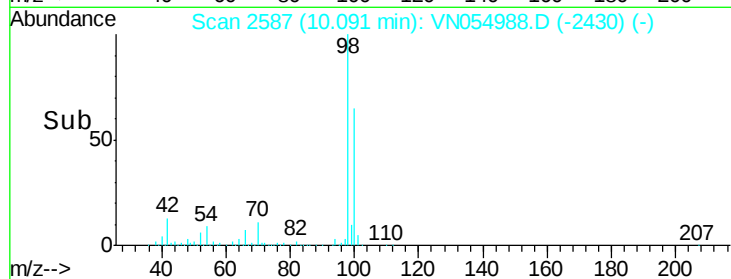
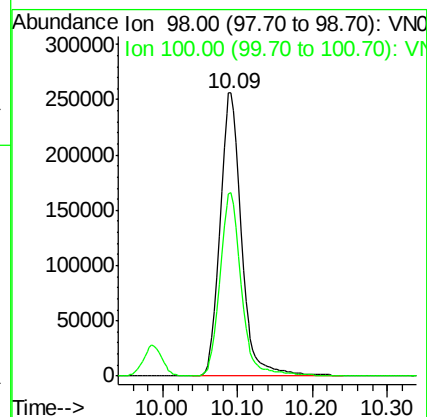
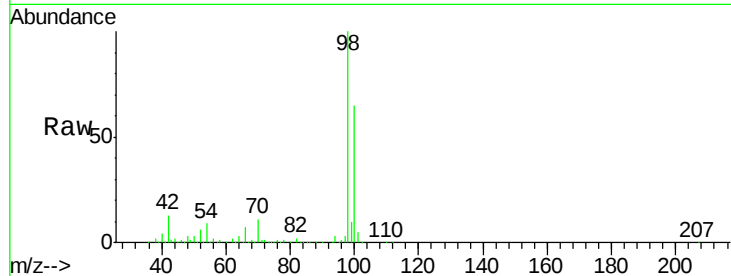
100 63.8 51.1 76.7

Manual Integrations

APPROVED

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#64

Chlorobenzene

Concen: 20.406 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054988.D

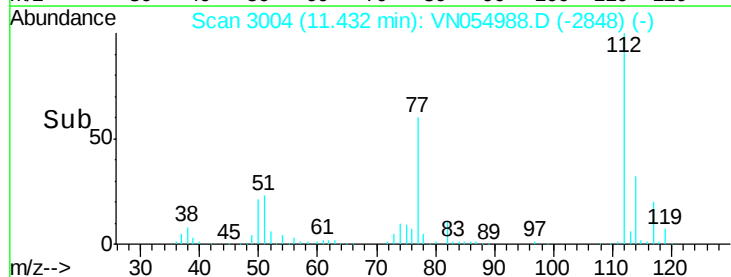
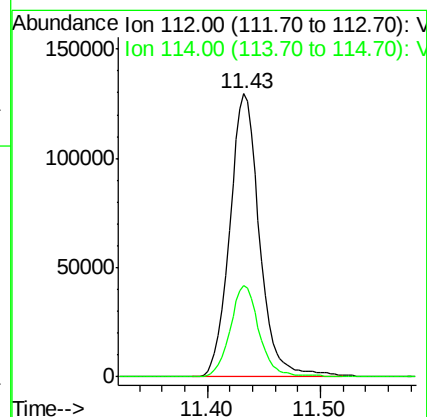
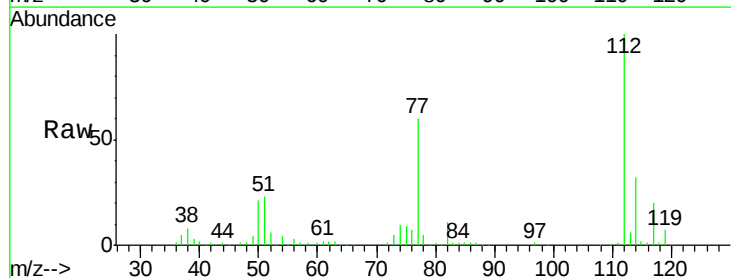
Acq: 11 Apr 2019 20:15

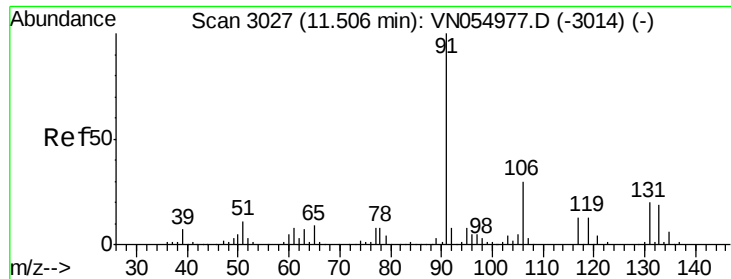
Tgt Ion: 112 Resp: 237419

Ion Ratio Lower Upper

112 100

114 32.2 25.1 37.7





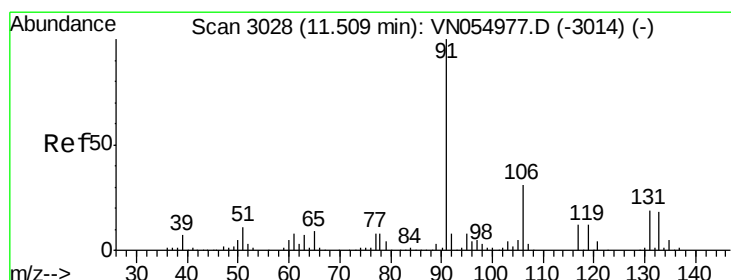
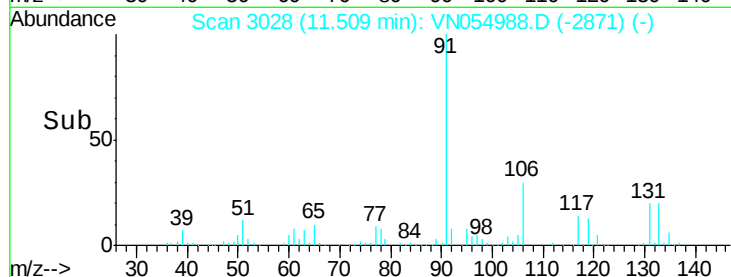
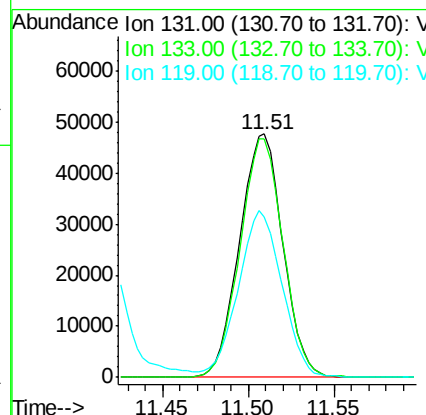
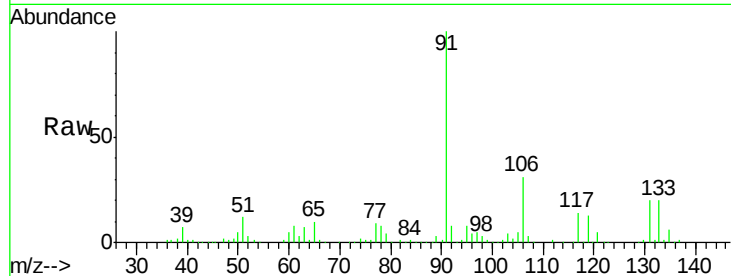
#65
1,1,1,2-Tetrachloroethane
Concen: 20.172 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Instrument :
MSVOA_N
ClientSampleId :
VN0411WBSD01

Tot Ion:131 Resp: 83473
Ion Ratio Lower Upper
131 100
133 97.2 0.0 187.8
119 69.1 0.0 131.4

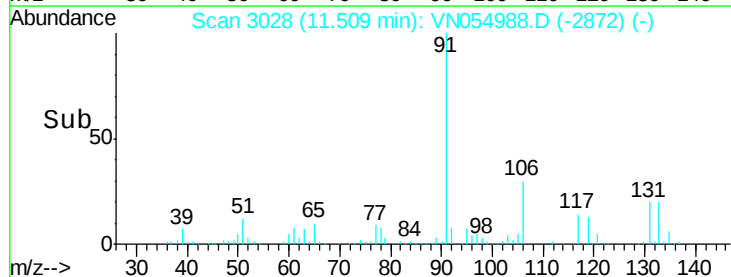
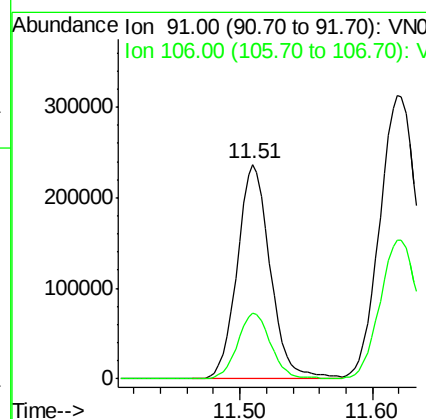
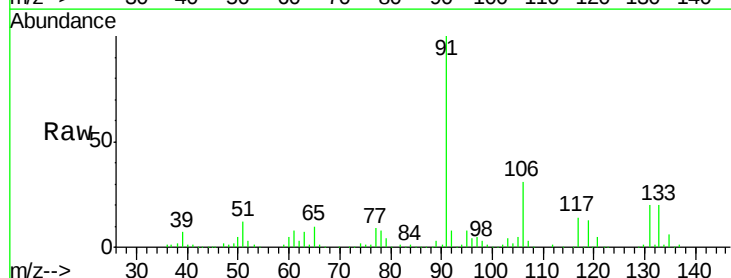
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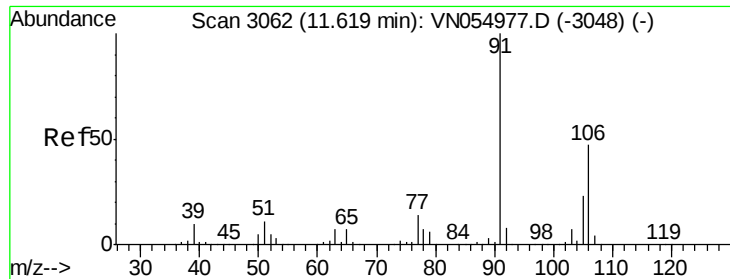
MMDadoda
4/12/2019 1:42:04 PM



#66
Ethyl Benzene
Concen: 19.789 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Tgt Ion: 91 Resp: 408830
Ion Ratio Lower Upper
91 100
106 30.5 24.6 36.8





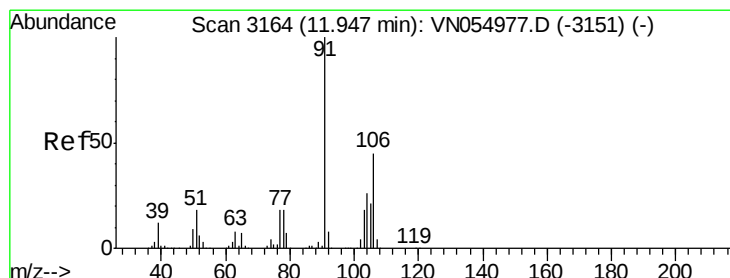
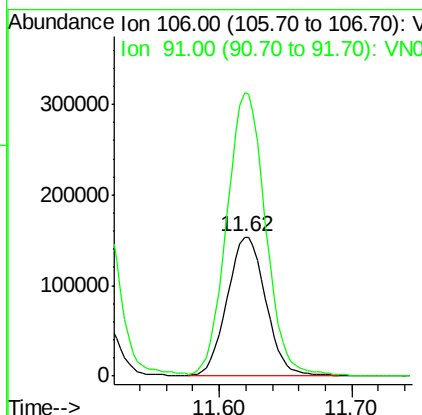
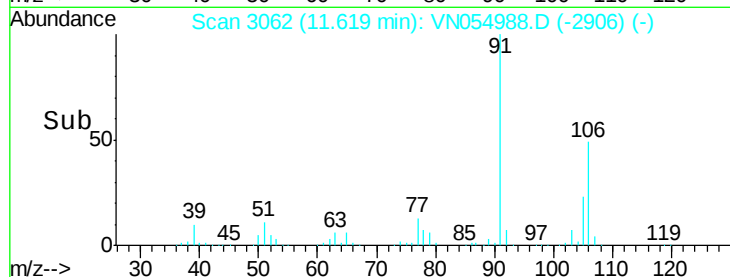
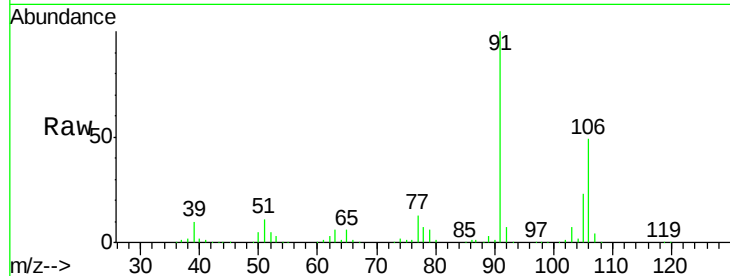
#67
m/p-Xvlenes
Concen: 40.711 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Instrument :
MSVOA_N
ClientSampleId :
VN0411WBSD01

Tot Ion:106 Resp: 312625
Ion Ratio Lower Upper
106 100
91 204.3 167.4 251.2

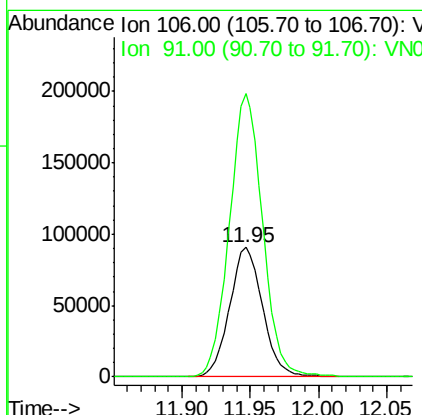
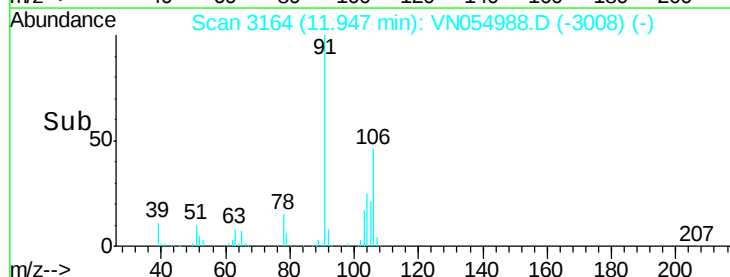
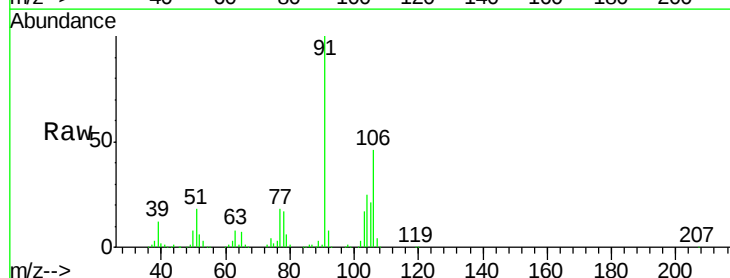
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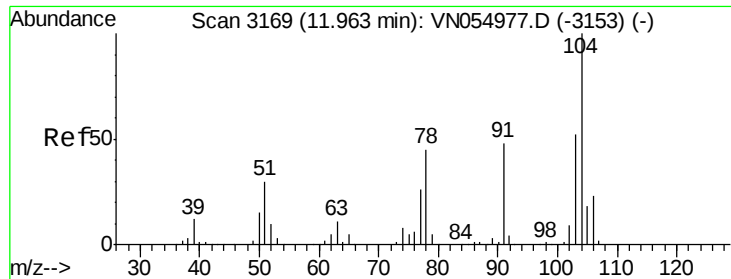
MMDadoda
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#68
o-Xylene
Concen: 20.185 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Tgt Ion:106 Resp: 153179
Ion Ratio Lower Upper
106 100
91 219.4 110.3 330.8





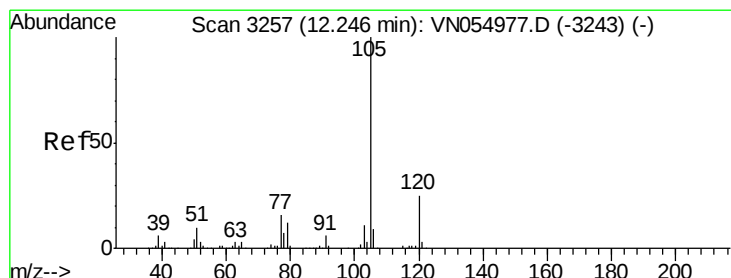
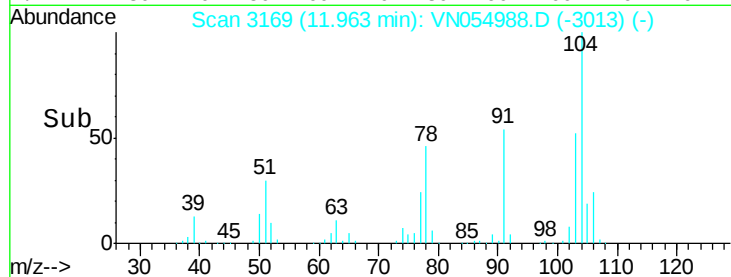
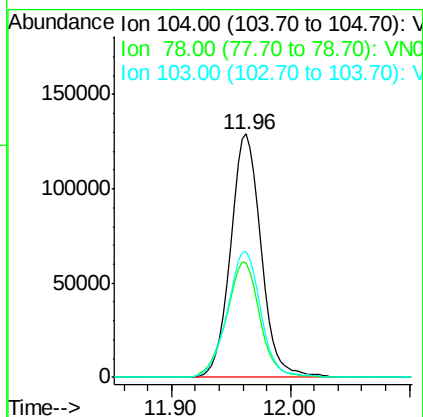
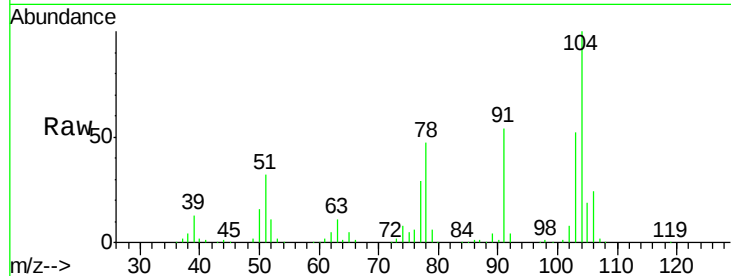
#69
Stvrene
Concen: 19.517 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Instrument :
MSVOA_N
ClientSampleId :
VN0411WBSD01

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.2	41.2	61.8
103	56.2	44.6	67.0

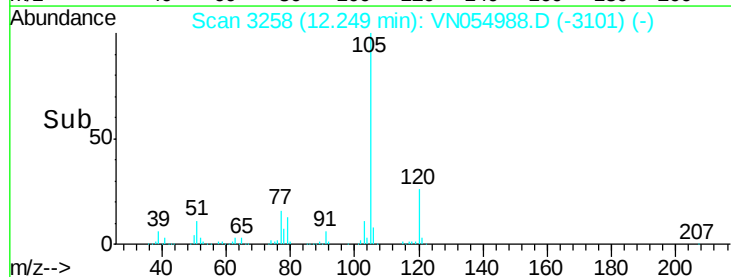
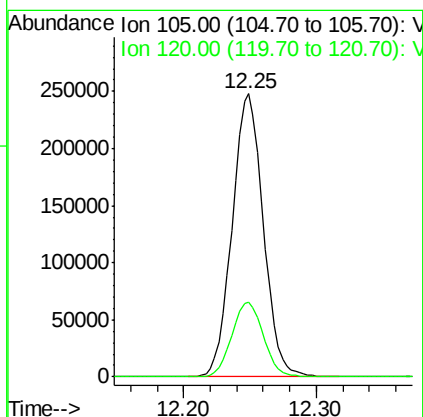
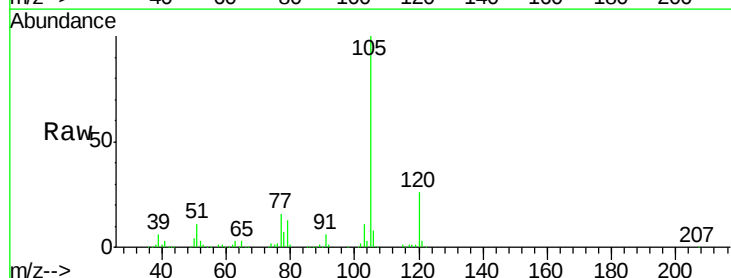
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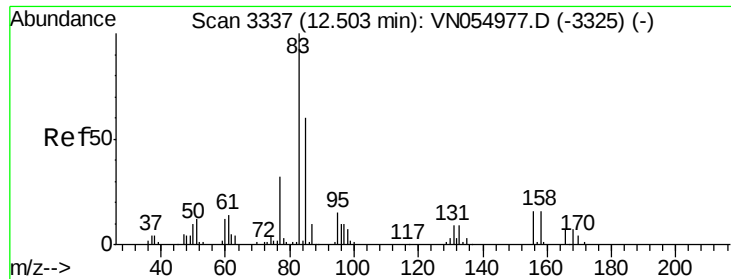
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#70
Isopropylbenzene
Concen: 19.878 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	18.3	33.9





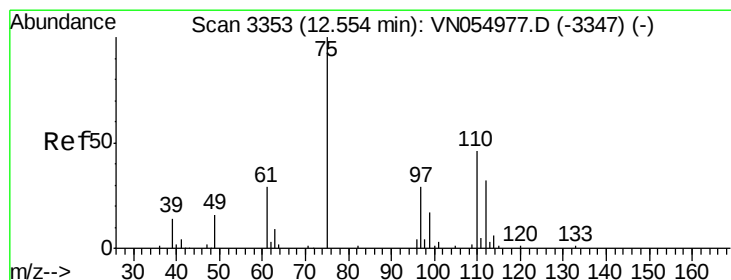
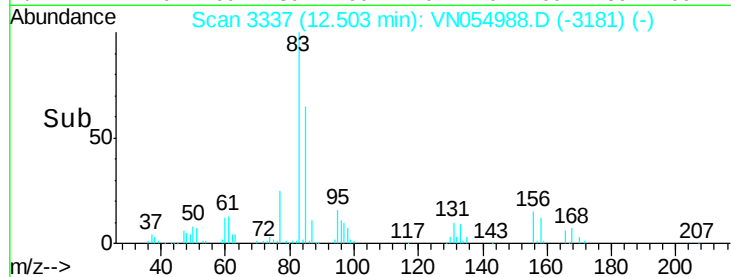
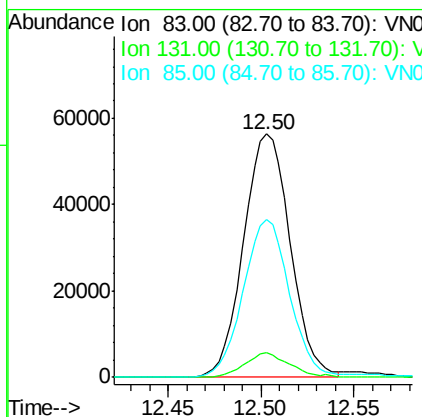
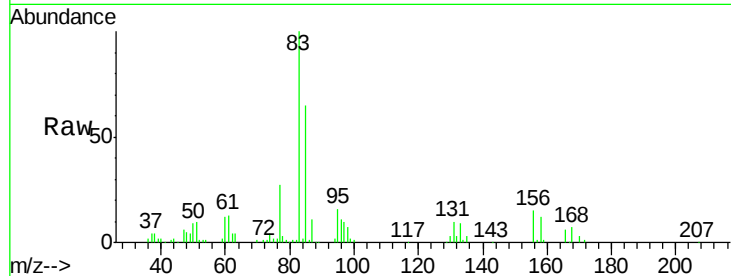
#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.350 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0411WBSD01

Tot Ion	83	Resp	99082
Ion Ratio	100	Lower	Upper
83	100		
131	9.5	4.6	13.8
85	64.3	30.9	92.5

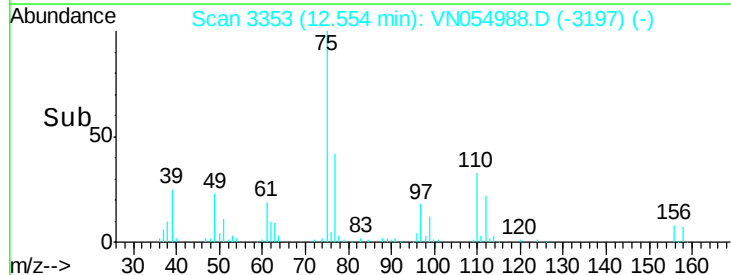
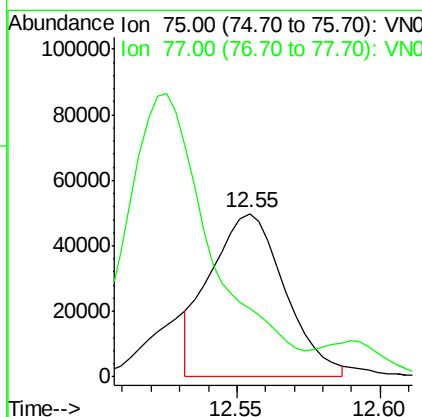
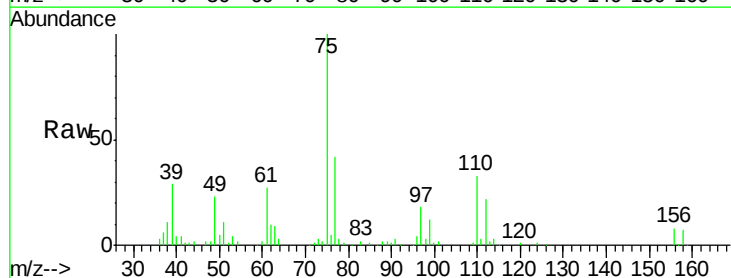
Manual Integrations
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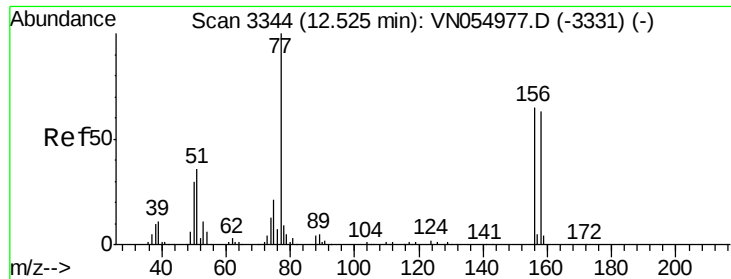
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#72
 1,2,3-Trichloropropane
 Concen: 23.512 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Tgt Ion	75	Resp	90109
Ion Ratio	100	Lower	Upper
75	100		
77	198.8	0.0	466.6





#73

Bromobenzene

Concen: 19.938 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054988.D

Acq: 11 Apr 2019 20:15

Instrument :

MSVOA_N

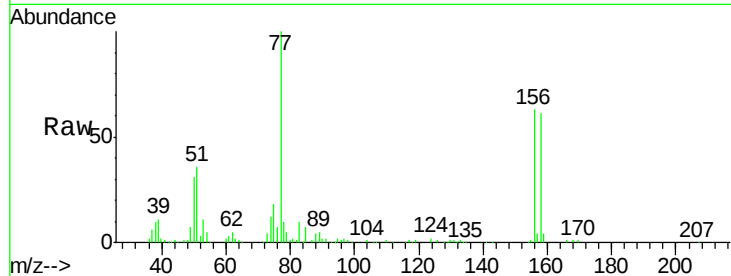
ClientSampleId :

VN0411WBSD01

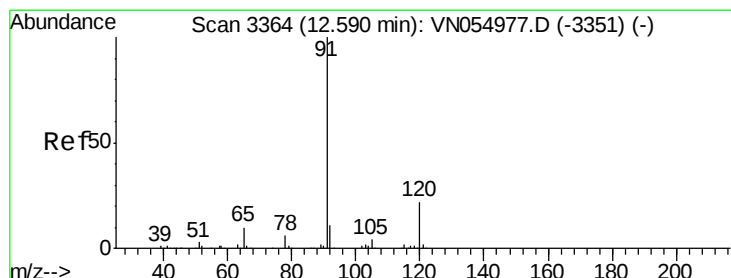
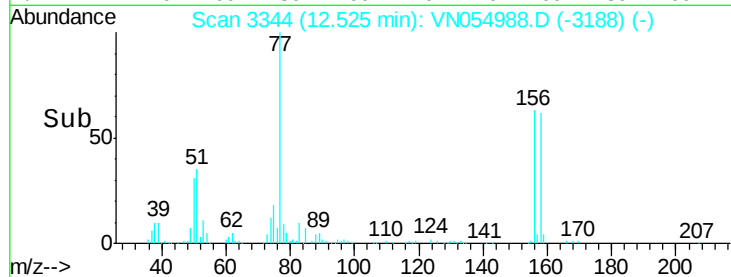
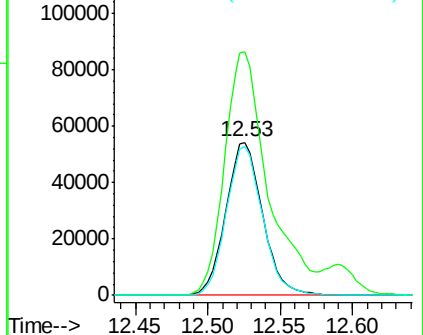
Tot Ion:	156	Resp:	95619
Ion Ratio	Lower	Upper	
156	100		
77	187.3	0.0	383.2
158	95.8	0.0	193.8

Manual Integrations
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Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VN
Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.264 ug/l

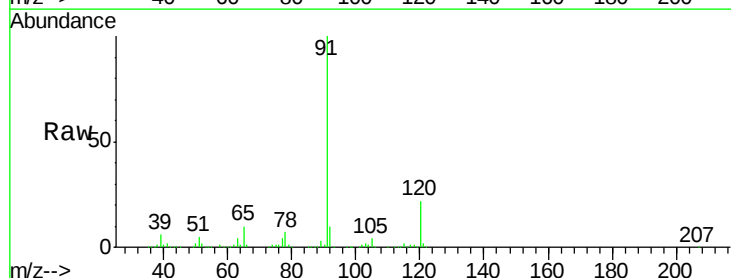
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

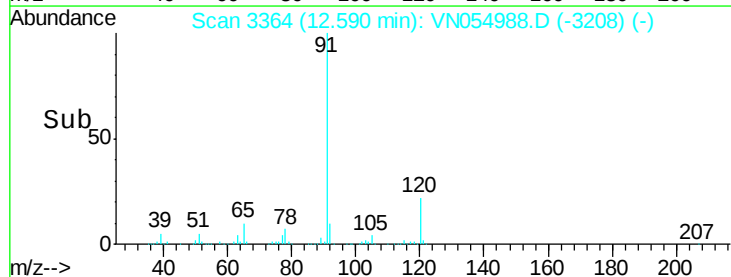
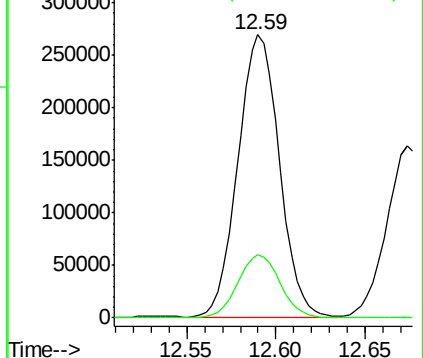
Lab File: VN054988.D

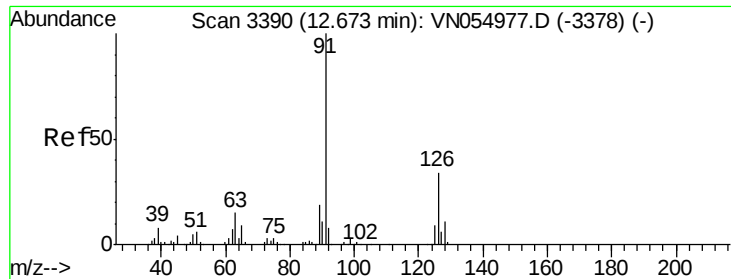
Acq: 11 Apr 2019 20:15

Tgt Ion:	91	Resp:	437582
Ion Ratio	Lower	Upper	
91	100		
120	22.7	0.0	44.4



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.036 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054988.D

Acq: 11 Apr 2019 20:15

Instrument :

MSVOA_N

ClientSampleId :

VN0411WBSD01

Tot Ion: 91 Resp: 274492

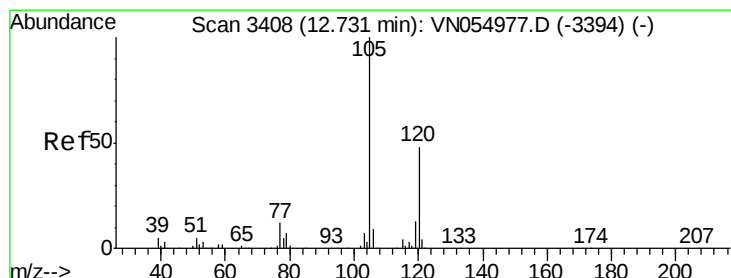
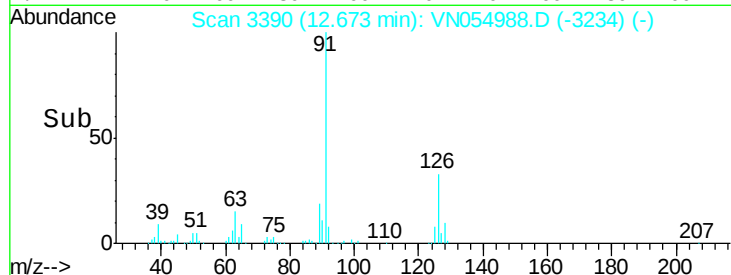
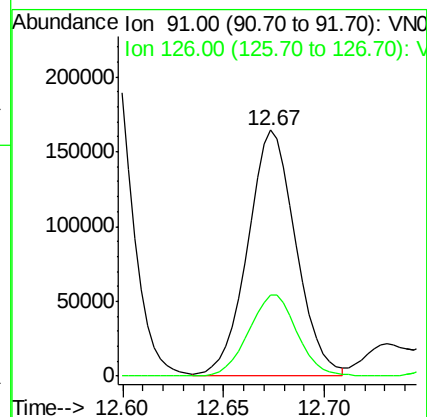
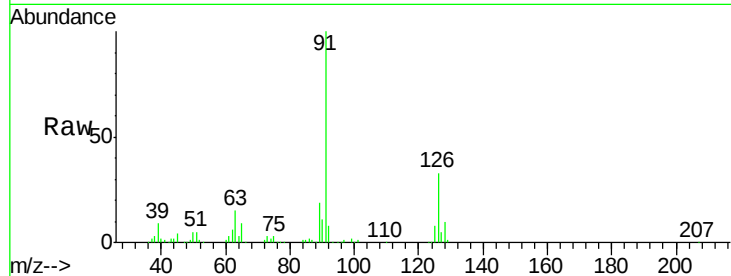
Ion Ratio Lower Upper

91 100

126 33.5 0.0 67.4

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4/12/2019 1:42:04 PM



#76

1,3,5-Trimethylbenzene

Concen: 19.521 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054988.D

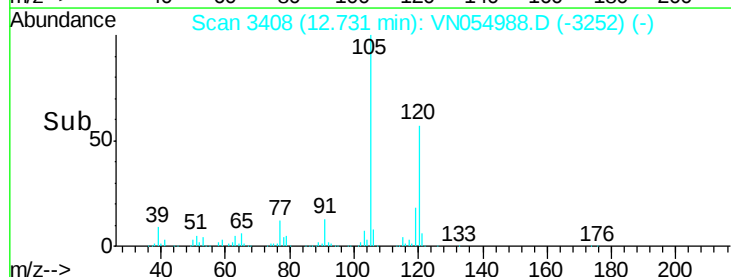
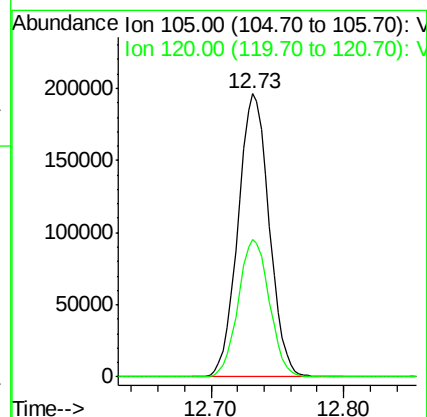
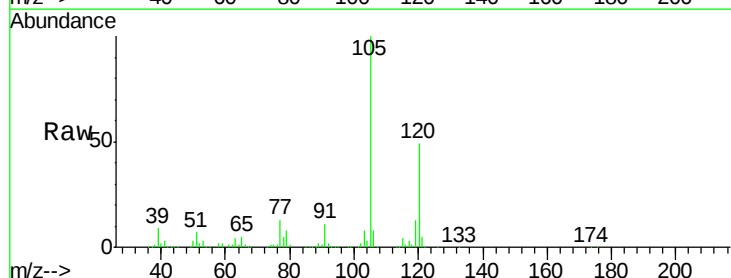
Acq: 11 Apr 2019 20:15

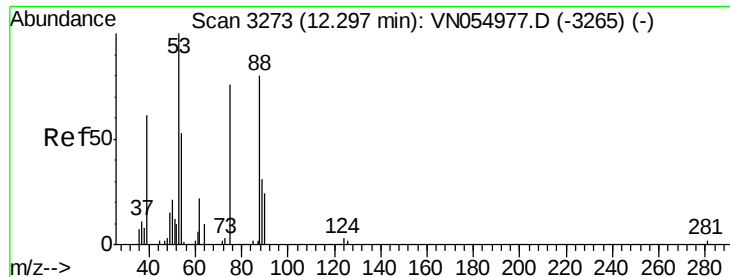
Tgt Ion: 105 Resp: 320213

Ion Ratio Lower Upper

105 100

120 48.4 0.0 94.8





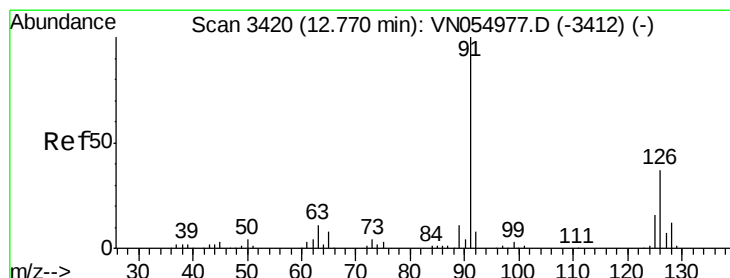
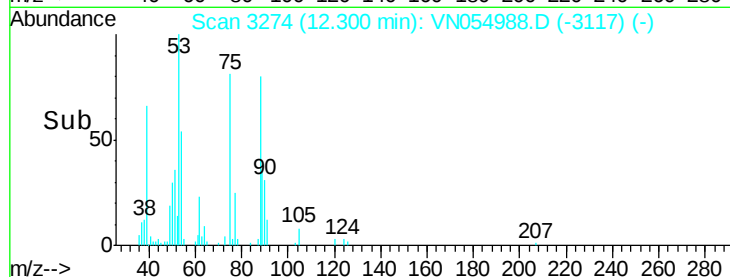
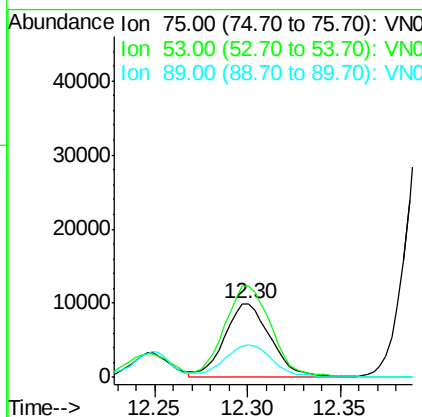
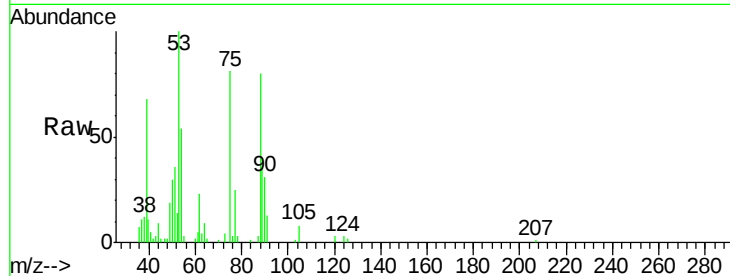
#77
t-1,4-Dichloro-2-butene
Concen: 17.759 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Instrument :
MSVOA_N
ClientSampleId :
VN0411WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	121.1	64.3	192.7
89	43.4	21.6	65.0

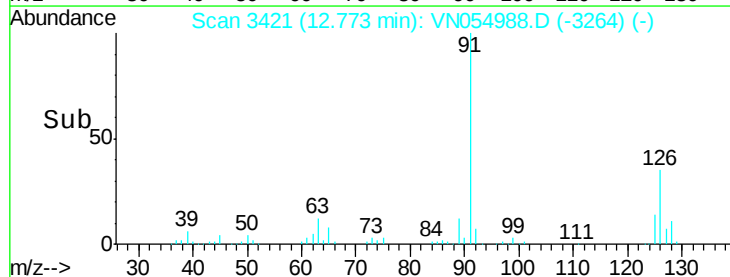
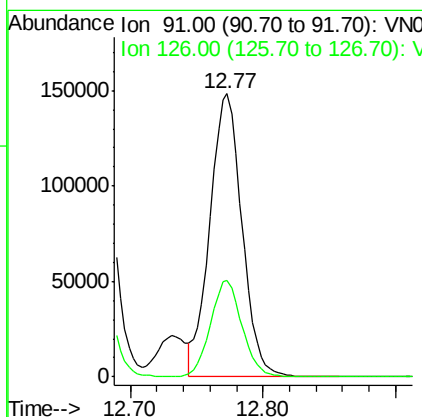
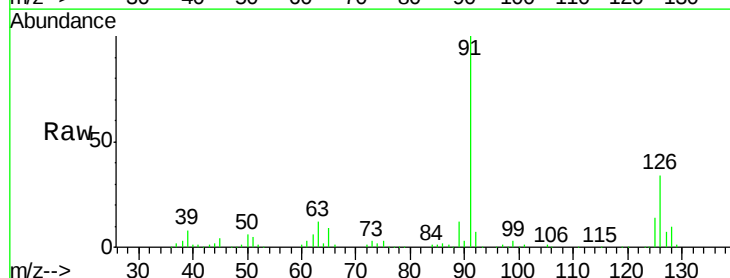
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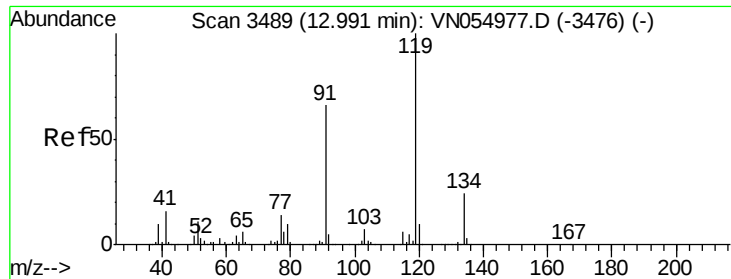
MMDadoda
4/12/2019 1:42:04 PM



#78
4-Chlorotoluene
Concen: 19.137 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.5	0.0	66.6





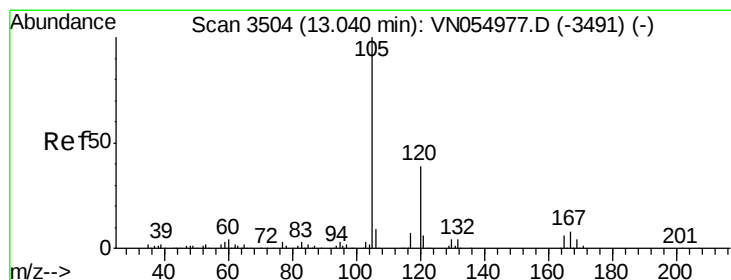
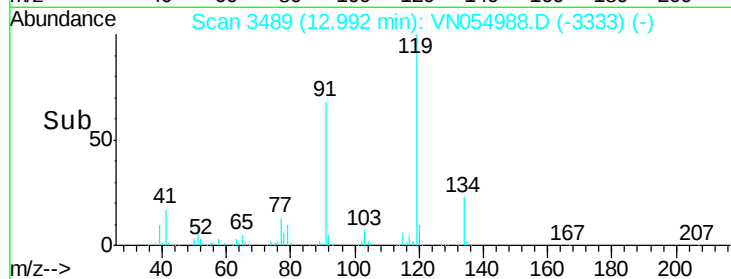
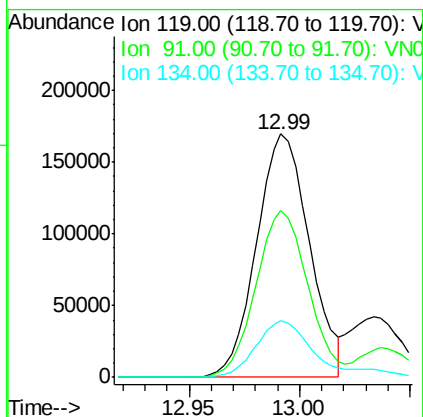
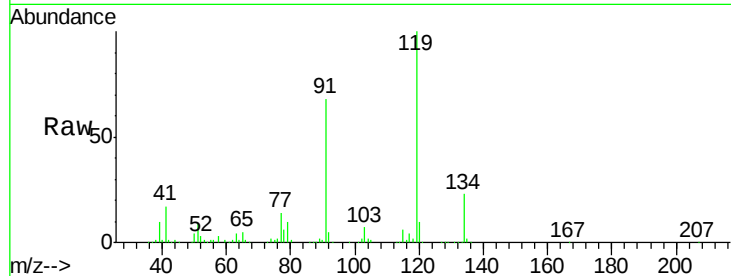
#79
tert-butylbenzene
Concen: 19.863 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Instrument :
MSVOA_N
ClientSampleId :
VN0411WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	281936		
91	67.5	0.0	132.6	
134	24.0	0.0	47.6	

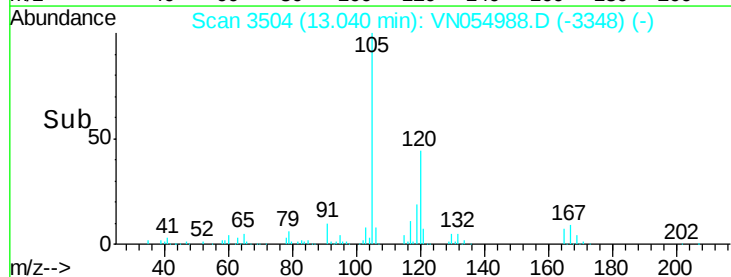
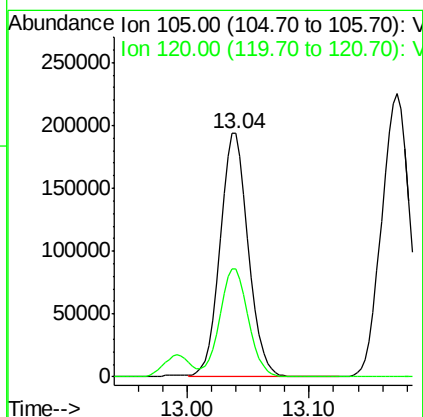
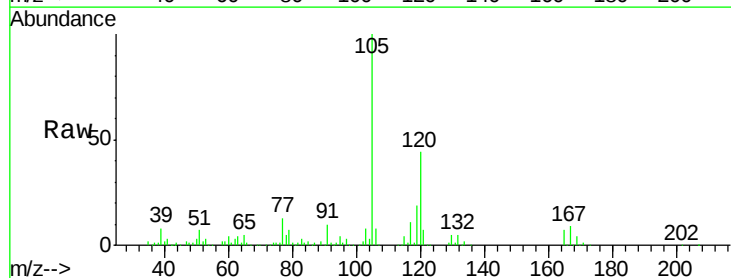
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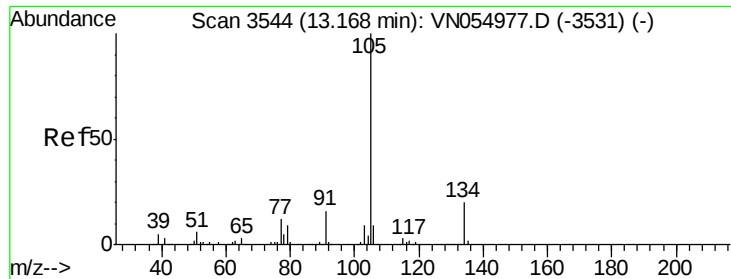
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 19.551 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	315055		
120	44.8	0.0	91.4	





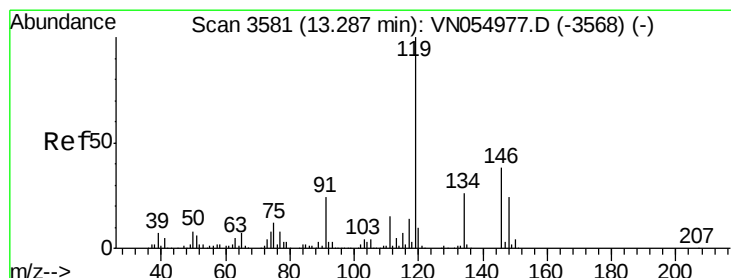
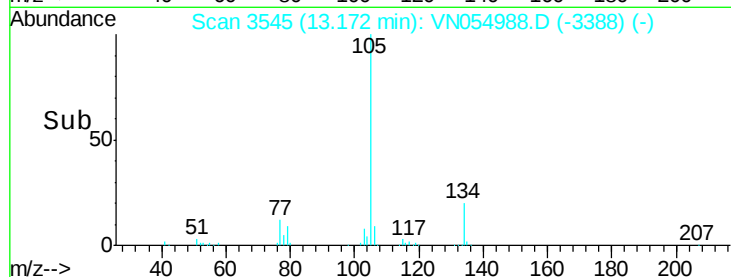
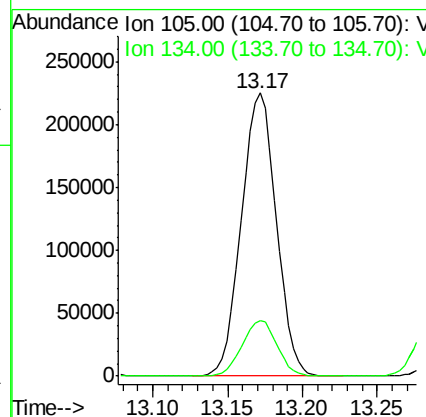
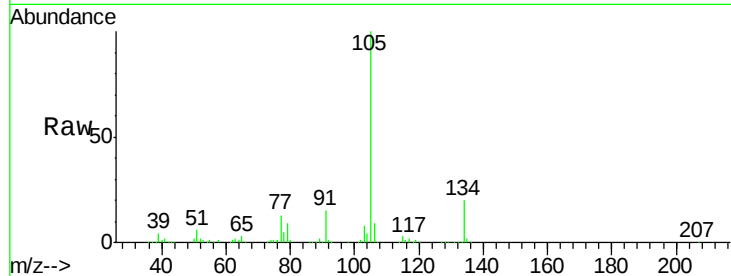
#81
 sec-Butylbenzene
 Concen: 19.322 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0411WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.7	0.0	40.0

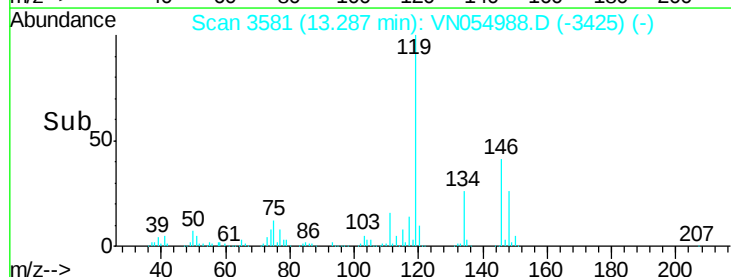
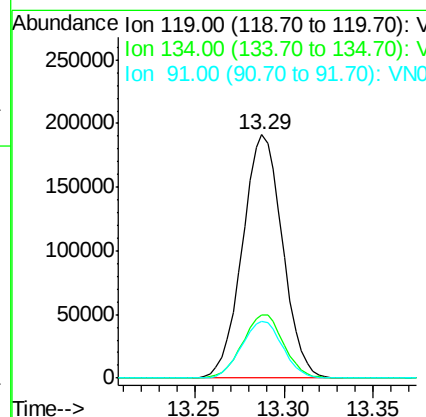
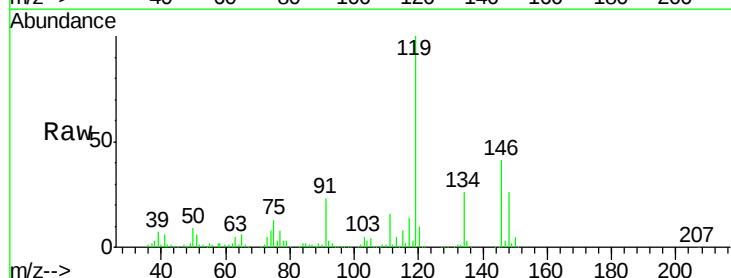
Manual Integrations
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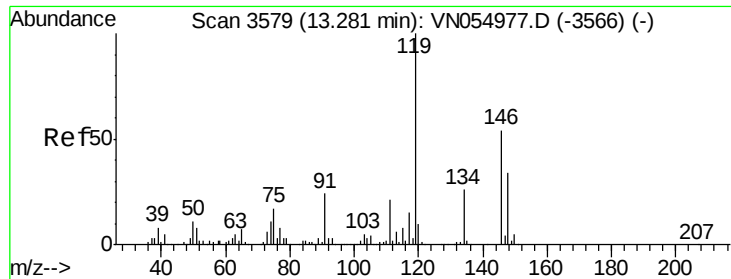
MMDadoda
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#82
 p-Isopropyltoluene
 Concen: 18.763 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	0.0	53.2
91	23.9	0.0	47.8





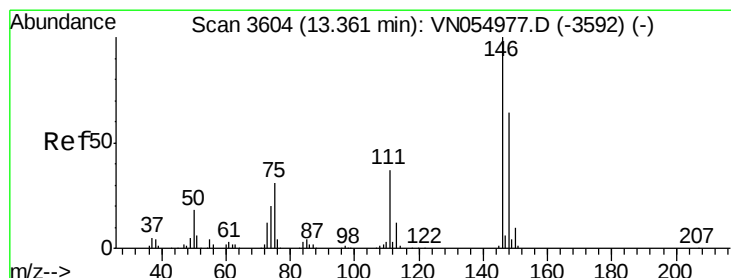
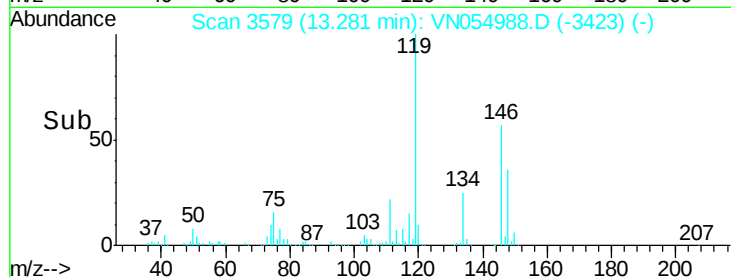
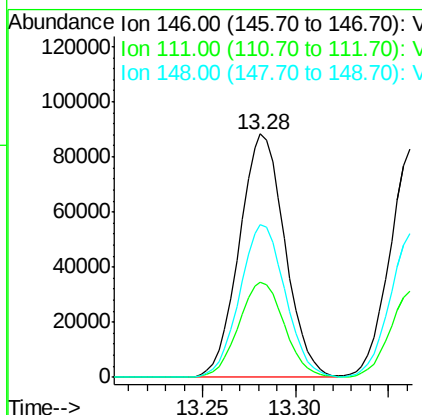
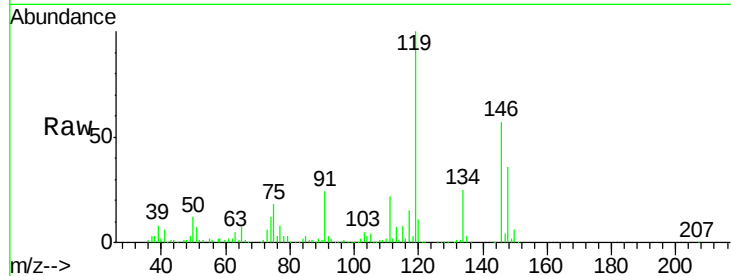
#83
 1,3-Dichlorobenzene
 Concen: 18.852 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0411WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.1	57.5
148	62.7	31.9	95.5

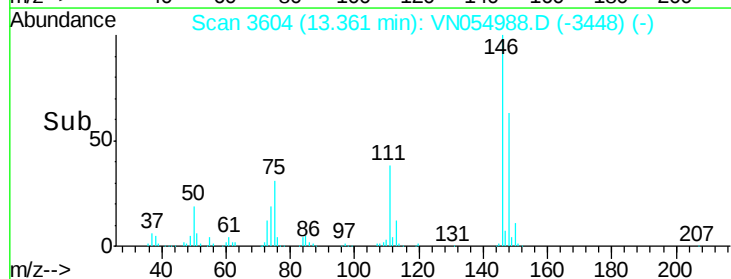
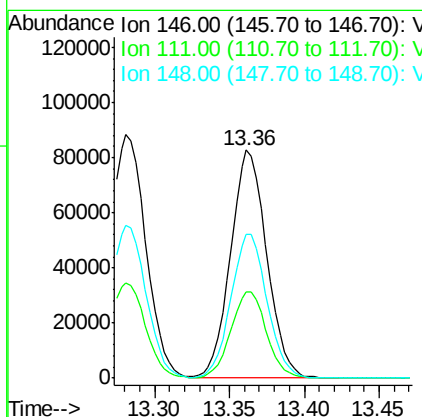
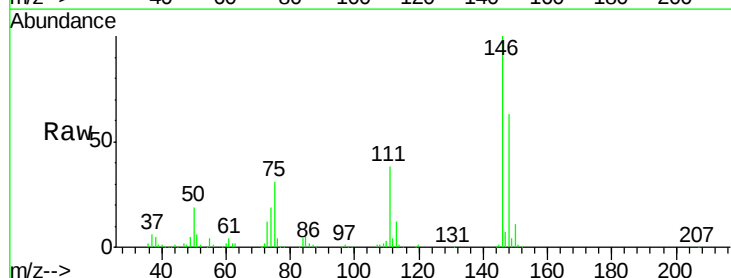
Manual Integrations
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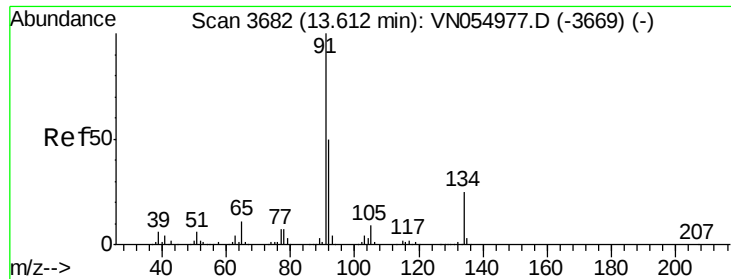
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#84
 1,4-Dichlorobenzene
 Concen: 18.274 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.4	55.2
148	63.0	32.5	97.4





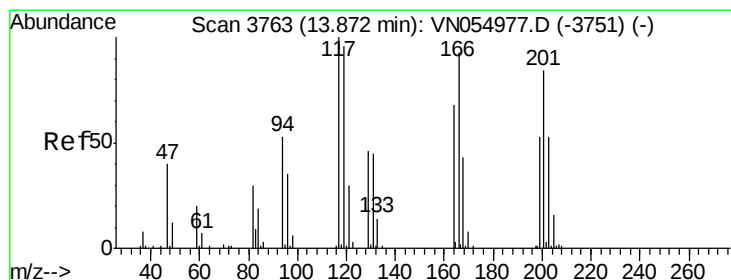
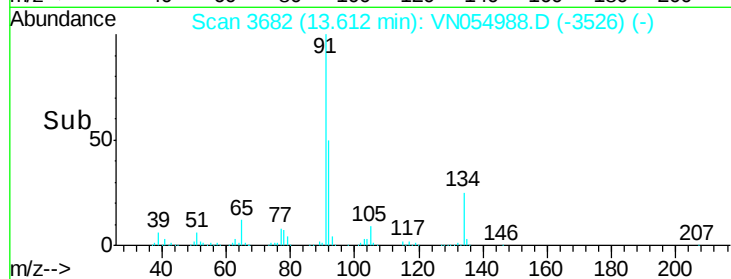
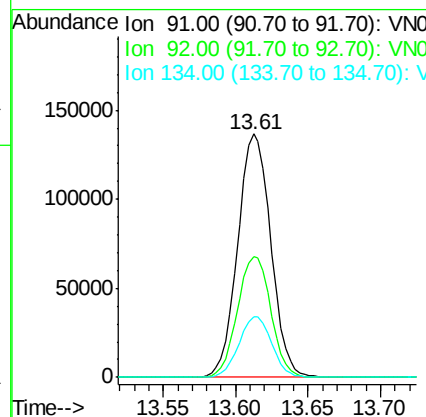
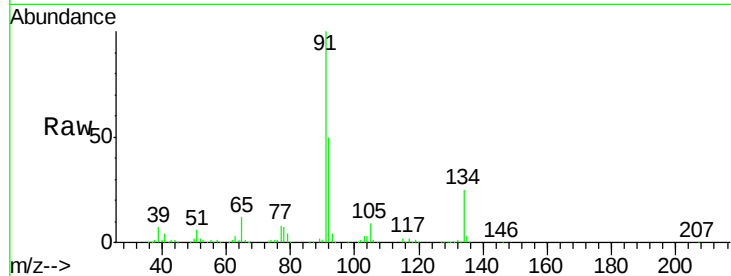
#85
n-Butylbenzene
Concen: 16.992 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Instrument :
MSVOA_N
ClientSampleId :
VN0411WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	21650		
92	50.1	0.0	101.4	
134	24.5	0.0	49.8	

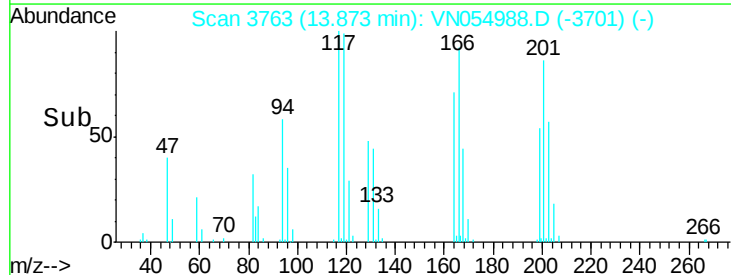
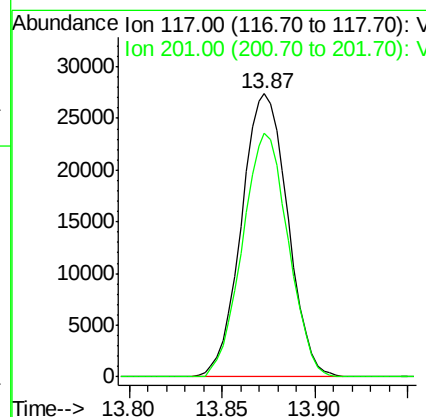
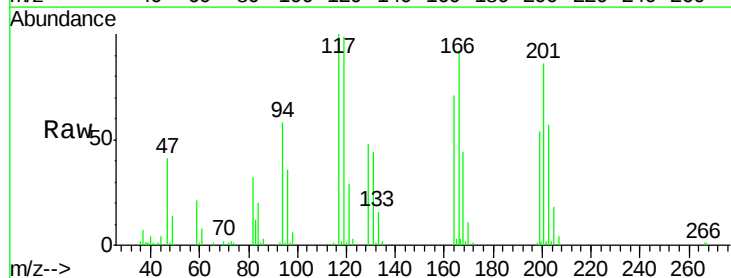
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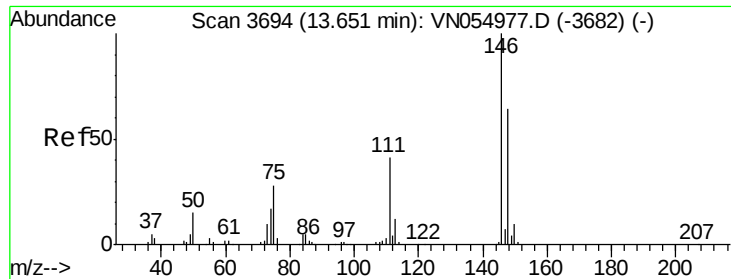
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#86
Hexachloroethane
Concen: 18.589 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	47629		
201	85.0	42.8	128.3	





#87

1,2-Dichlorobenzene

Concen: 19.395 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054988.D

Acq: 11 Apr 2019 20:15

Instrument :

MSVOA_N

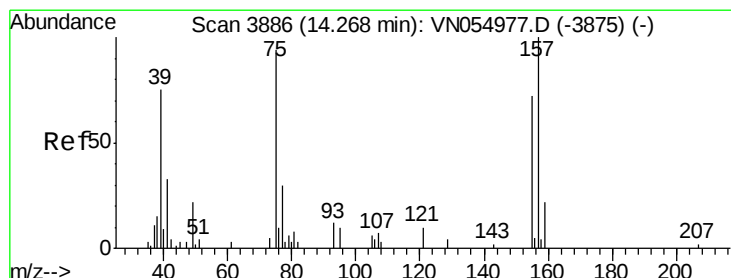
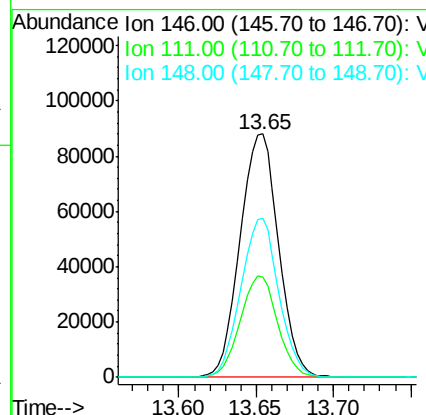
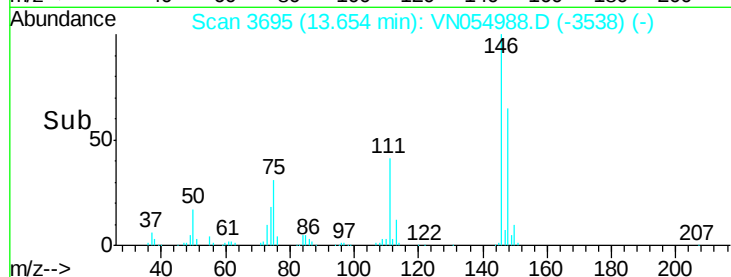
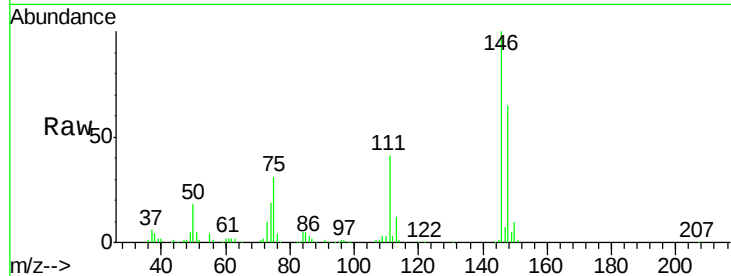
ClientSampleId :

VN0411WBSD01

Tot Ion:	146	Resp:	152395
Ion Ratio	Lower	Upper	
146	100		
111	40.3	20.3	60.8
148	64.3	32.5	97.5

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 18.397 ug/l

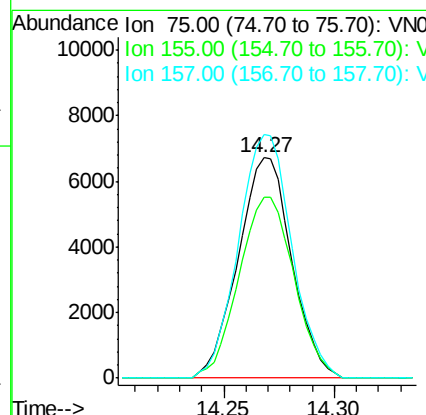
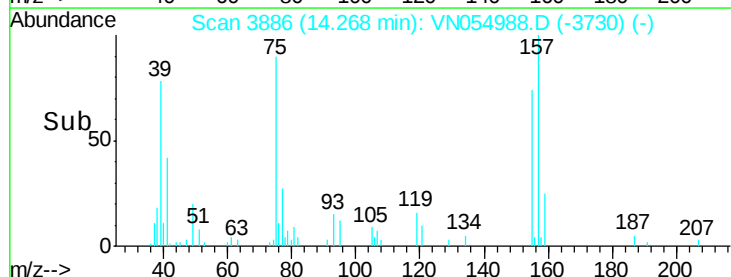
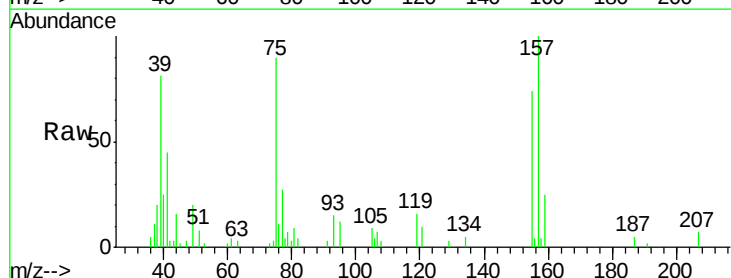
RT: 14.27 min Scan# 3886

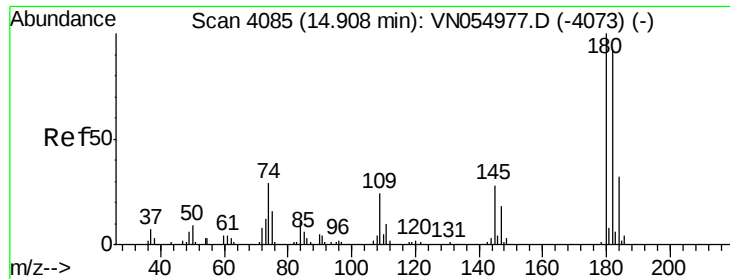
Delta R.T. 0.00 min

Lab File: VN054988.D

Acq: 11 Apr 2019 20:15

Tgt Ion:	75	Resp:	11347
Ion Ratio	Lower	Upper	
75	100		
155	84.3	61.8	92.8
157	110.2	82.7	124.1





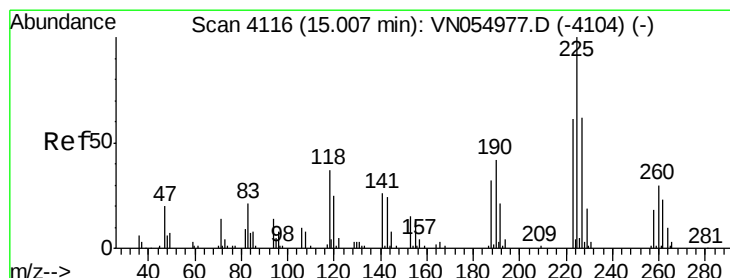
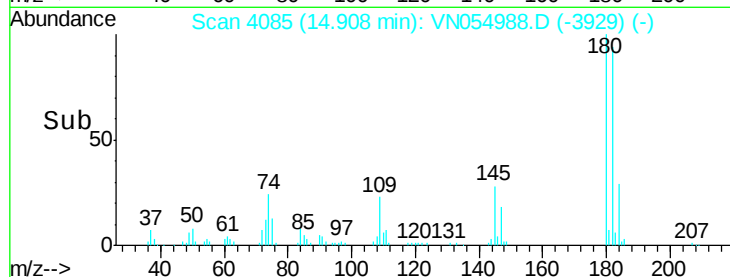
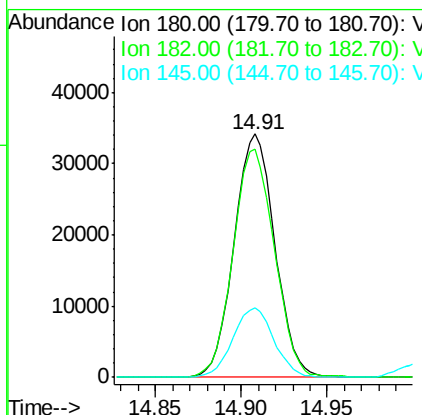
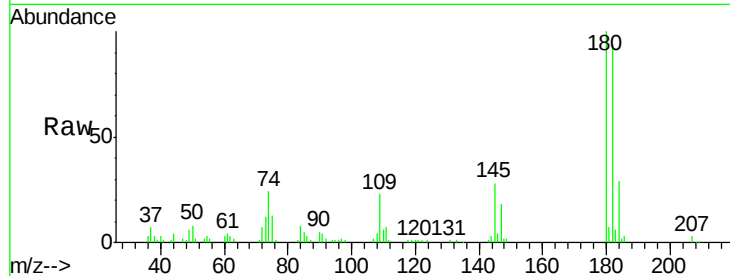
#89
 1,2,4-Trichlorobenzene
 Concen: 16.057 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0411WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	73.2	109.8
145	28.8	23.2	34.8

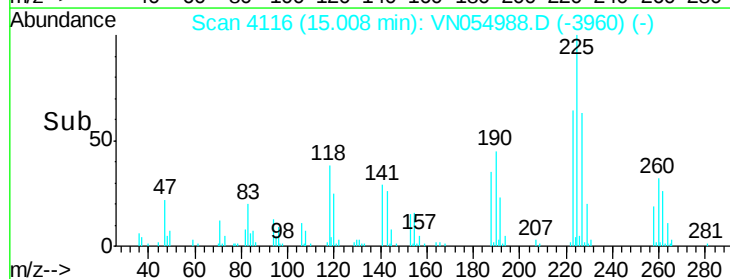
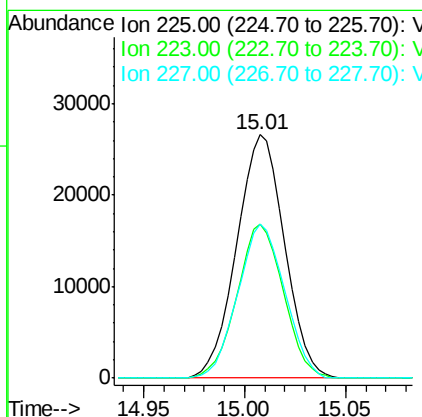
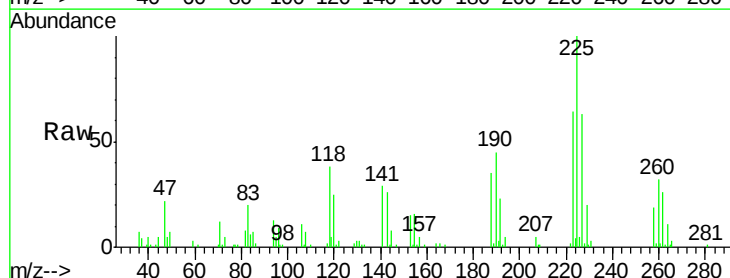
Manual Integrations
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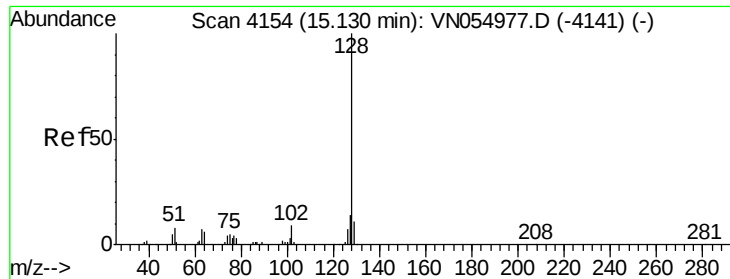
MMDadoda
 4/12/2019 1:42:04 PM



#90
 Hexachlorobutadiene
 Concen: 17.218 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	0.0	126.0
227	62.3	0.0	125.4





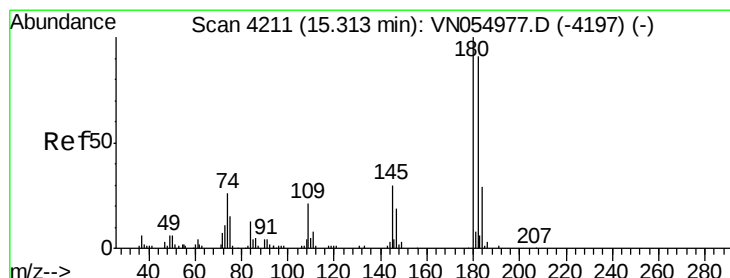
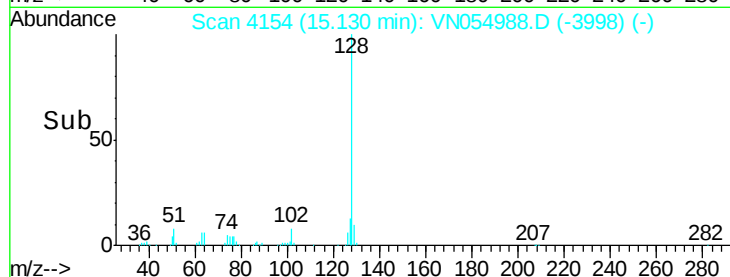
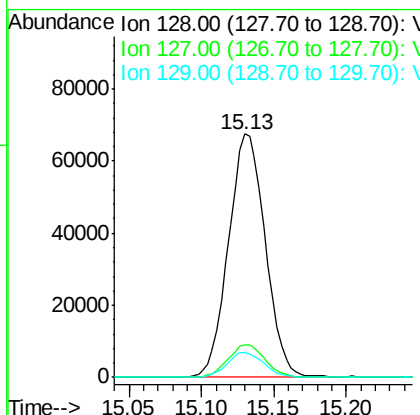
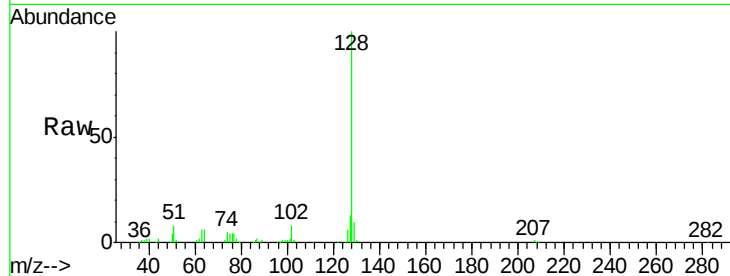
#91
Naphthalene
Concen: 16.164 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Instrument :
MSVOA_N
ClientSampleId :
VN0411WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	118893		
127	13.4	10.6	15.8	
129	10.4	9.0	13.6	

Manual Integrations
APPROVED

MMDadoda
4/12/2019 1:42:04 PM



#92
1,2,3-Trichlorobenzene
Concen: 16.590 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	58285		
182	99.5	0.0	188.2	
145	30.4	0.0	61.2	

