

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041119\
 Data File : VN054986.D
 Acq On : 11 Apr 2019 19:23
 Operator : JC/SP
 Sample : VN0411WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0411WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/12/2019 1:41:53 PM

Quant Time: Apr 12 08:26:59 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	76129	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	407119	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	351847	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	171720	29.59	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.63%
60) 4-Bromofluorobenzene	12.40	95	161472	29.48	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.27%
63) Toluene-d8	10.09	98	510987	30.55	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	83631	18.678	ug/l 98
3) Chloromethane	2.06	50	118248	19.550	ug/l 93
4) Vinyl Chloride	2.19	62	101545	19.414	ug/l 100
5) Bromomethane	2.57	94	60993	20.160	ug/l 91
6) Chloroethane	2.71	64	57750	19.714	ug/l 96
7) Trichlorofluoromethane	3.02	101	130585	19.538	ug/l 94
8) Diethyl Ether	3.42	74	42790	19.939	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	69504	19.024	ug/l 98
10) 1,1-Dichloroethene	3.73	96	65046	19.256	ug/l 98
11) Methyl Iodide	3.95	142	98768	19.321	ug/l 100
12) Methyl Acetate	4.33	43	84549	20.349	ug/l 98
13) Acrolein	3.61	56	37042	101.725	ug/l 97
14) Acrylonitrile	5.00	53	168099	98.752	ug/l 99
15) Acetone	3.82	58	33045	78.450	ug/l 98
16) Carbon Disulfide	4.04	76	208559	18.407	ug/l 99
17) Allyl chloride	4.32	41	162510	19.536	ug/l 99
18) Methylene Chloride	4.55	84	97461	19.519	ug/l 98
19) trans-1,2-Dichloroethene	5.04	96	86234	19.611	ug/l 97
20) Diisopropyl ether	5.96	45	330591	19.617	ug/l 99
21) 1,1-Dichloroethane	5.85	63	177628	19.734	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	100987	19.758	ug/l 98
23) tert-Butyl Alcohol	4.82	59	26851	98.926	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	232399	20.489	ug/l # 65
25) Chloroform	7.37	83	171276	19.865	ug/l 98
26) Cyclohexane	7.65	56	157142	18.816	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	126058	19.882	ug/l 98
30) 2-Butanone	6.85	43	198455	94.294	ug/l 98
31) 2,2-Dichloropropane	6.82	77	112770	19.324	ug/l # 100
32) 1,1,1-Trichloroethane	7.57	97	138614	20.683	ug/l 98
33) Carbon Tetrachloride	7.77	117	112610	19.408	ug/l 98
34) Benzene	8.04	78	376350	20.030	ug/l 99
35) Methacrylonitrile	7.18	41	54922	22.141	ug/l 99
36) 1,2-Dichloroethane	8.13	62	130928	20.389	ug/l # 89
37) Trichloroethene	8.83	130	96729	20.194	ug/l 93
38) Methylcyclohexane	9.08	83	135611	18.443	ug/l 99
39) 1,2-Dichloropropane	9.12	63	104810	20.202	ug/l 94
40) Dibromomethane	9.21	93	60763	20.721	ug/l 97

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 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 VN0411WBS01

Manual Integrations
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Quant Time: Apr 12 08:26:59 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)
41) Bromodichloromethane	9.40	83	120146	19.852	ug/l	99
42) Vinyl Acetate	5.90	43	1078967	101.406	ug/l	100
43) Ethyl Acetate	6.94	43	77868	18.161	ug/l #	83
44) Isopropyl Acetate	8.17	43	149727	20.606	ug/l	100
45) 1,4-Dioxane	9.20	88	17341	430.774	ug/l	99
46) Methyl methacrylate	9.20	41	72381	19.256	ug/l	96
47) n-amyl Acetate	12.07	43	102155	19.088	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	103410	18.606	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	130916	19.081	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	81285	20.408	ug/l	98
51) Ethyl methacrylate	10.43	69	92631	19.510	ug/l	96
52) 1,3-Dichloropropane	10.71	76	142399	20.403	ug/l	100
53) Dibromochloromethane	10.90	129	79720	19.431	ug/l	98
54) 1,2-Dibromoethane	11.01	107	74578	19.945	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	179995	90.681	ug/l	99
56) Bromoform	12.13	173	47276	18.339	ug/l	97
58) 4-Methyl-2-Pentanone	9.99	43	427530	105.367	ug/l	99
59) 2-Hexanone	10.75	43	254960	98.912	ug/l	98
61) Tetrachloroethene	10.63	164	93596	20.441	ug/l	96
62) Toluene	10.16	91	397212	20.489	ug/l	100
64) Chlorobenzene	11.43	112	232367	19.854	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	86183	20.704	ug/l	99
66) Ethyl Benzene	11.51	91	411942	19.822	ug/l	98
67) m/p-Xylenes	11.62	106	313713	40.612	ug/l	97
68) o-Xylene	11.95	106	152365	19.959	ug/l	99
69) Styrene	11.96	104	230314	19.429	ug/l	98
70) Isopropylbenzene	12.25	105	408629	20.021	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	100714	21.574	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	87339m	22.655	ug/l	
73) Bromobenzene	12.53	156	96485	20.000	ug/l	98
74) n-propylbenzene	12.59	91	448359	19.622	ug/l	99
75) 2-Chlorotoluene	12.67	91	276388	20.056	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	324732	19.680	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	17506	18.015	ug/l	96
78) 4-Chlorotoluene	12.77	91	255254	19.440	ug/l	100
79) tert-butylbenzene	12.99	119	282828	19.809	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	319043	19.681	ug/l	100
81) sec-Butylbenzene	13.17	105	374322	19.621	ug/l	100
82) p-Isopropyltoluene	13.29	119	304181	18.892	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	156110	19.343	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	141570	18.459	ug/l	100
85) n-Butylbenzene	13.61	91	217303	16.943	ug/l	99
86) Hexachloroethane	13.87	117	49544	19.222	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	154318	19.525	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	12133	19.556	ug/l	93
89) 1,2,4-Trichlorobenzene	14.91	180	58000	16.414	ug/l	98
90) Hexachlorobutadiene	15.01	225	46347	17.990	ug/l	97
91) Naphthalene	15.13	128	121476	16.418	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	60235	17.044	ug/l	99

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ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VN0411WBS01

Manual Integrations
APPROVED

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

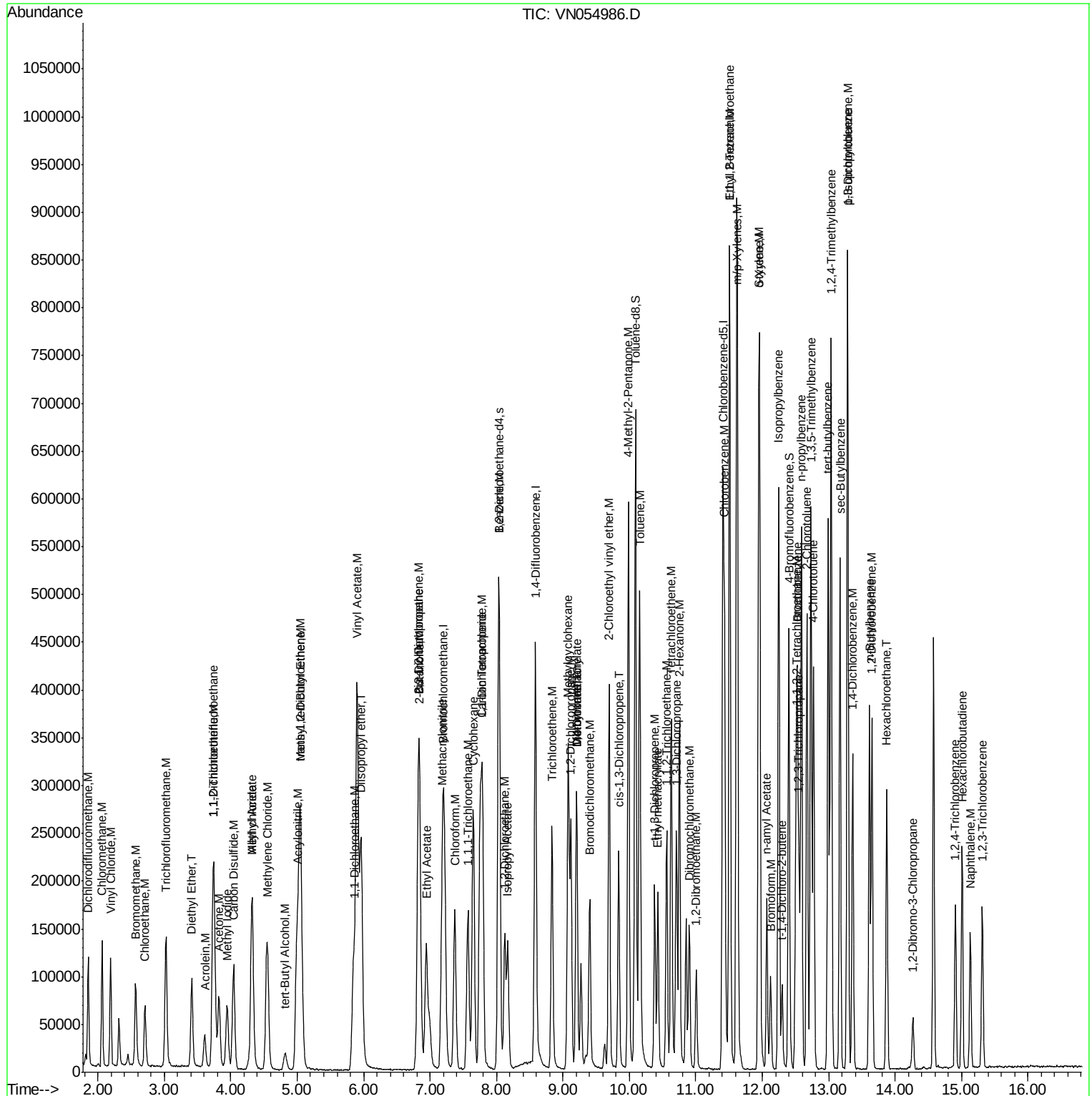
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041119\
Data File : VN054986.D
Acq On : 11 Apr 2019 19:23
Operator : JC/SP
Sample : VN0411WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

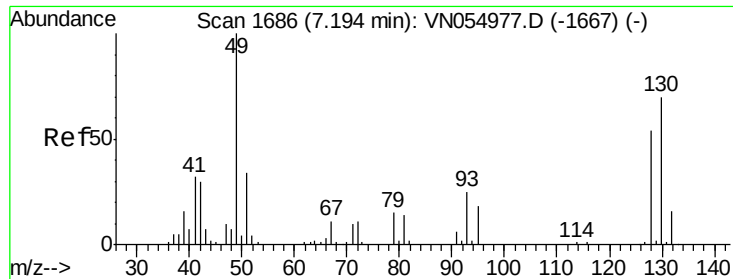
Instrument :
MSVOA_N
Client Sample Id :
VN0411WBS01

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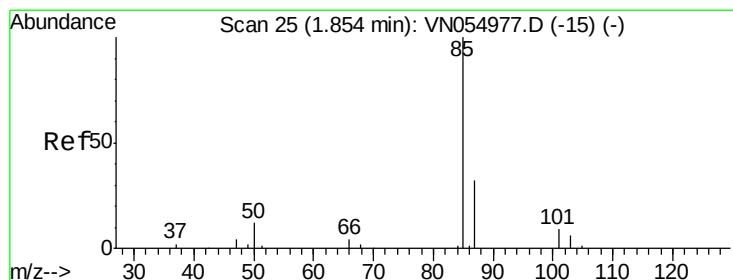
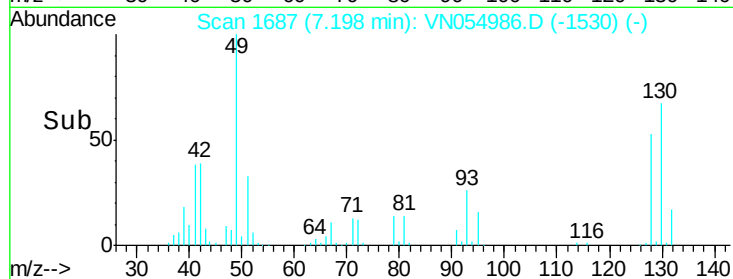
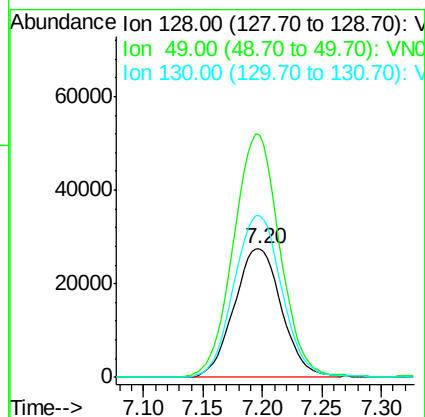
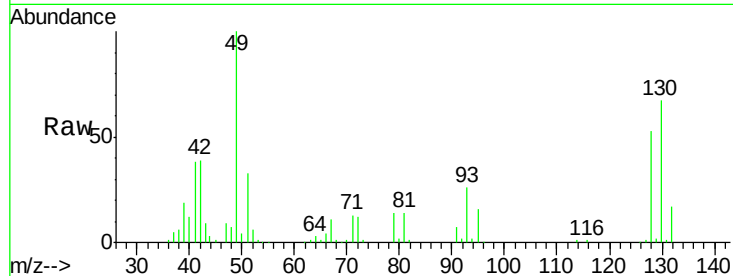
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN054986.D
Acq: 11 Apr 2019 19:23

Instrument :
MSVOA_N
ClientSampleId :
VN0411WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
49	184.5	0.0	480.3
130	127.0	0.0	322.2

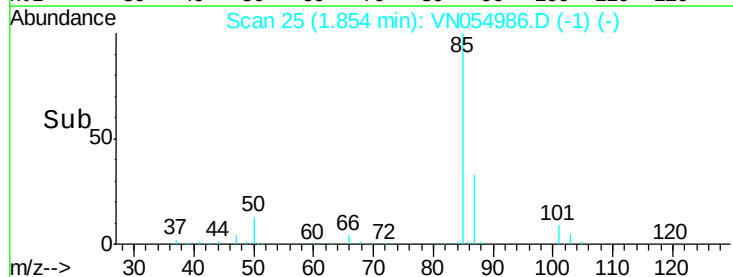
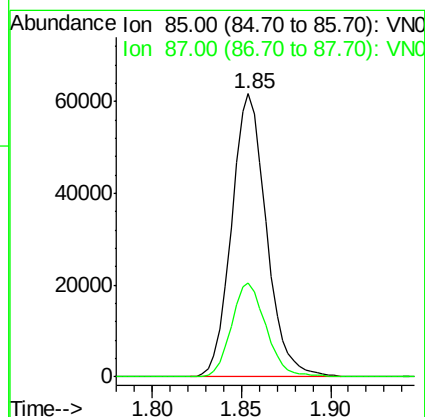
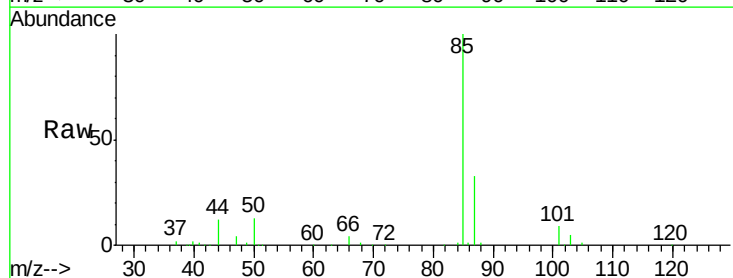
Manual Integrations
APPROVED

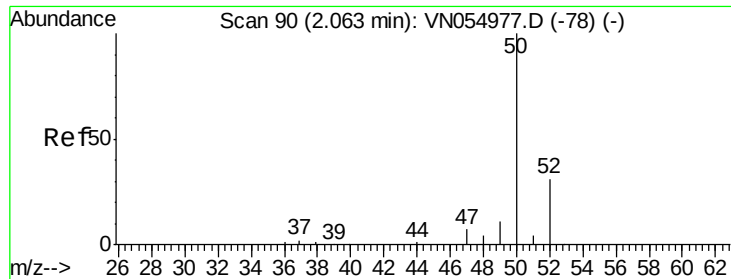
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#2
Dichlorodifluoromethane
Concen: 18.678 ug/l
RT: 1.85 min Scan# 25
Delta R.T. 0.00 min
Lab File: VN054986.D
Acq: 11 Apr 2019 19:23

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.1	16.1	48.3





#3

Chloromethane

Concen: 19.550 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054986.D

Acq: 11 Apr 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

VN0411WBS01

Tot Ion: 50 Resp: 118248

Ion Ratio Lower Upper

50 100

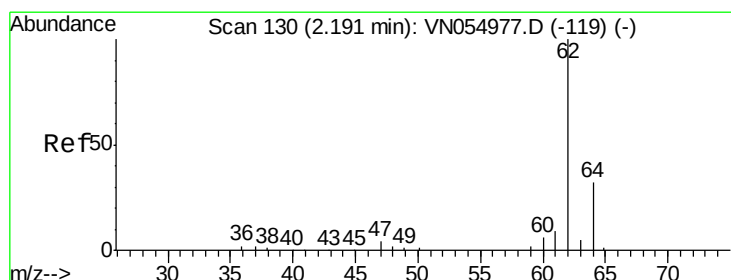
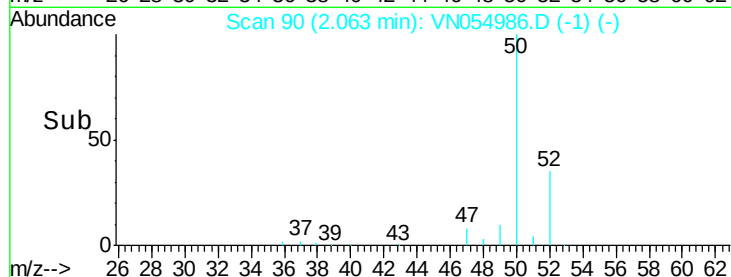
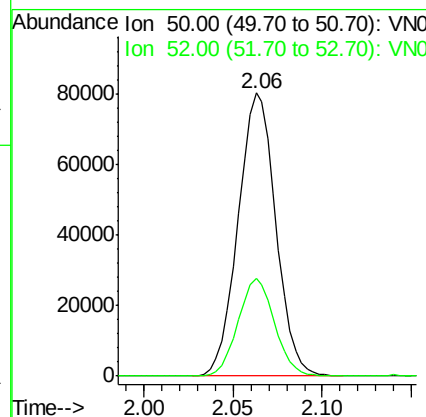
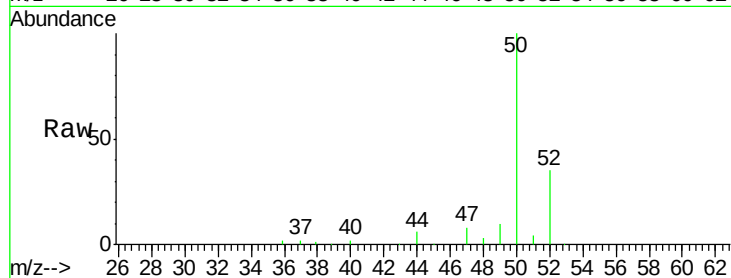
52 34.5 24.5 36.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.414 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054986.D

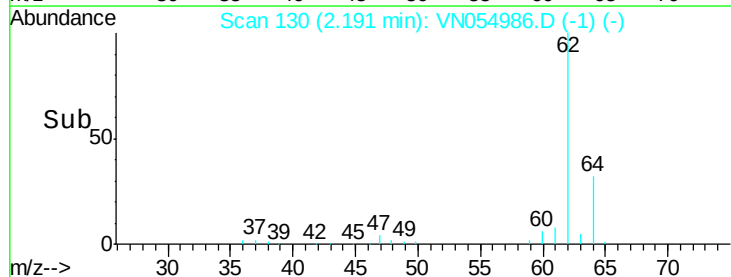
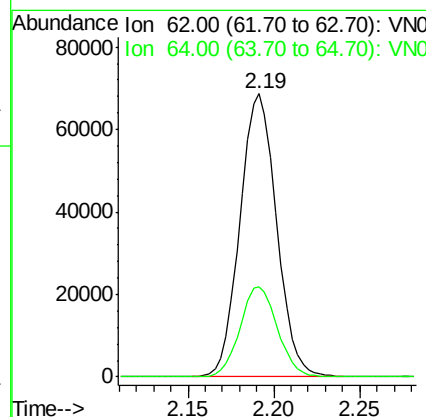
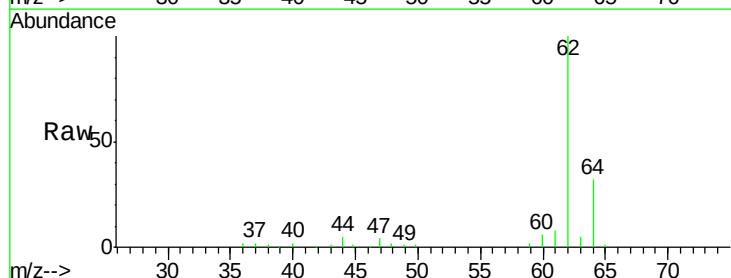
Acq: 11 Apr 2019 19:23

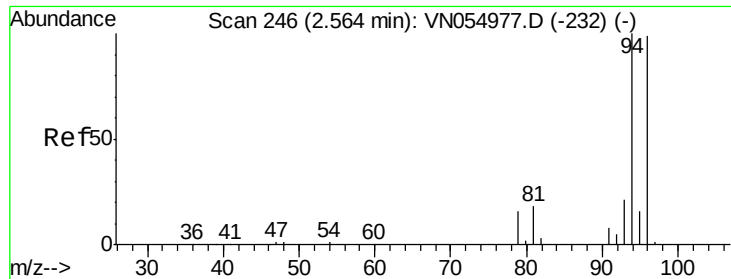
Tgt Ion: 62 Resp: 101545

Ion Ratio Lower Upper

62 100

64 32.0 25.6 38.4





#5

Bromomethane

Concen: 20.160 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN054986.D

Acq: 11 Apr 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

VN0411WBS01

Tot Ion: 94 Resp: 60993

Ion Ratio Lower Upper

94 100

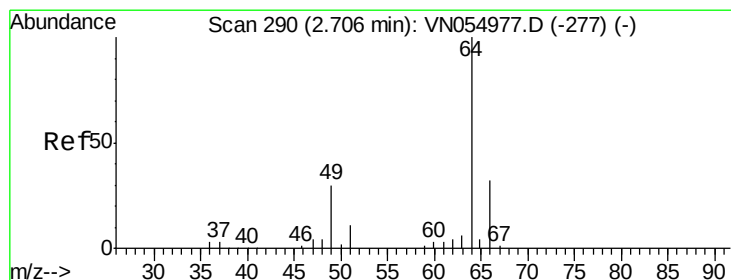
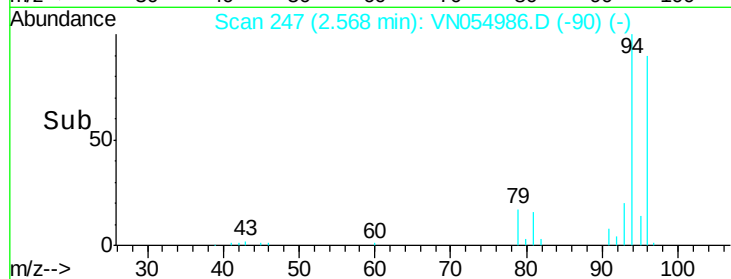
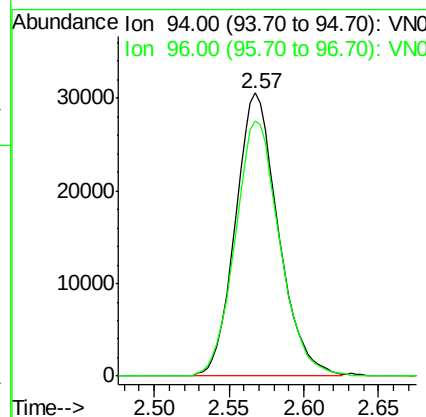
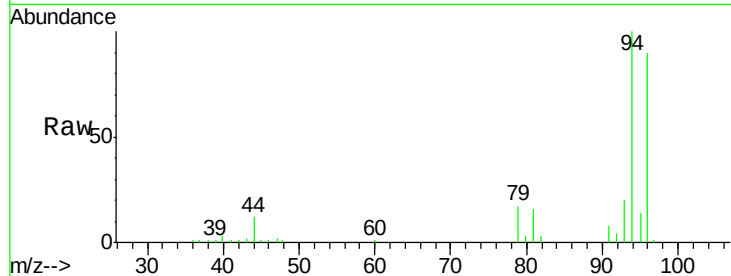
96 90.1 79.1 118.7

Manual Integrations

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#6

Chloroethane

Concen: 19.714 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054986.D

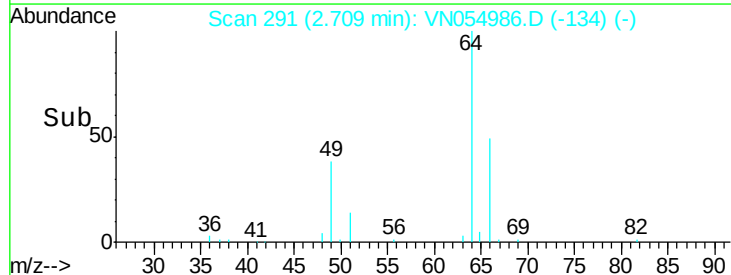
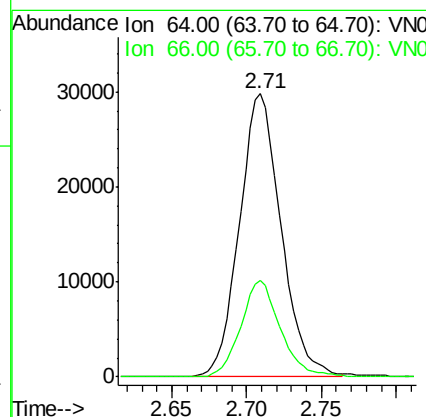
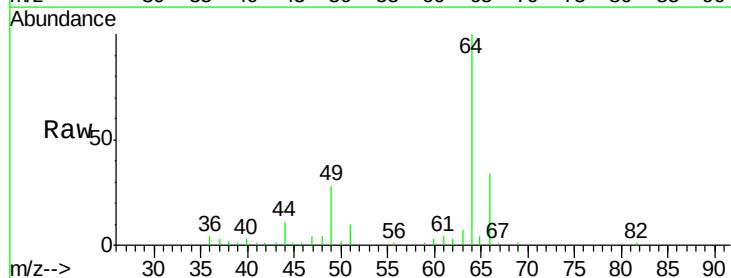
Acq: 11 Apr 2019 19:23

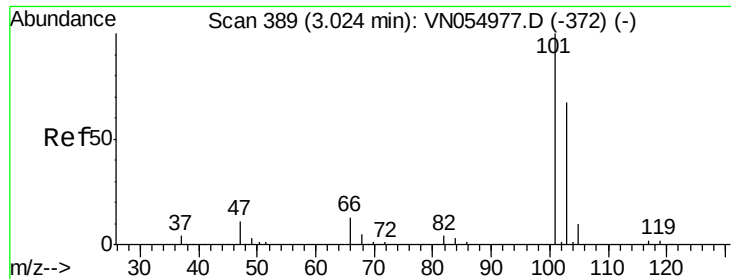
Tgt Ion: 64 Resp: 57750

Ion Ratio Lower Upper

64 100

66 34.1 25.7 38.5





#7

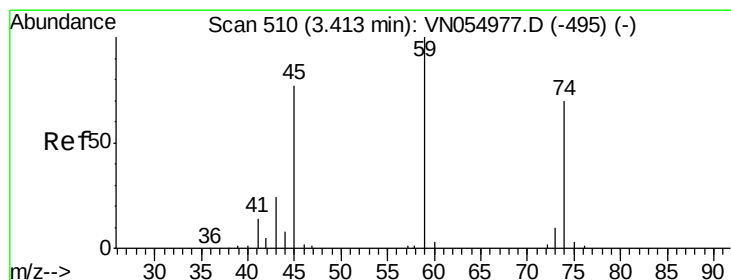
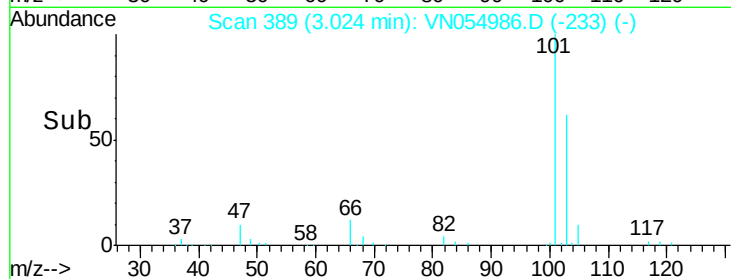
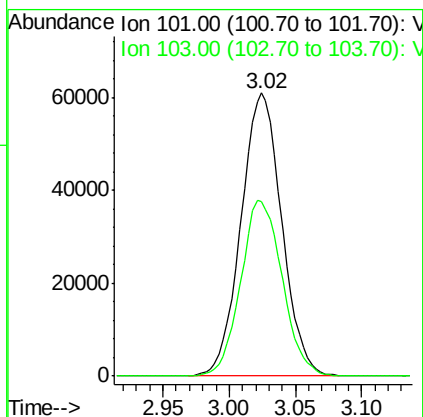
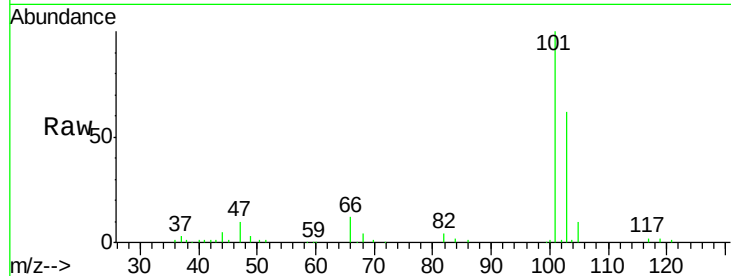
Trichlorofluoromethane
Concen: 19.538 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN054986.D
Acq: 11 Apr 2019 19:23

Instrument :
MSVOA_N
ClientSampleId :
VN0411WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.9	53.4	80.0

Manual Integrations
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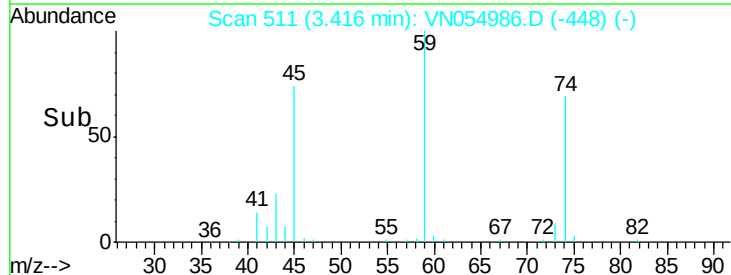
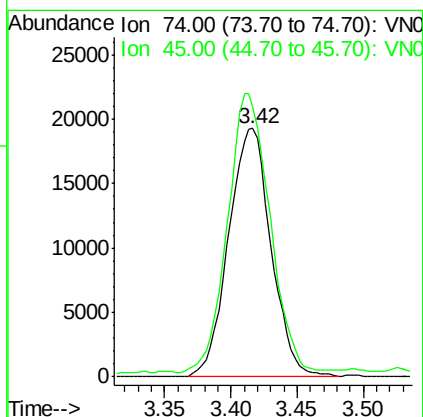
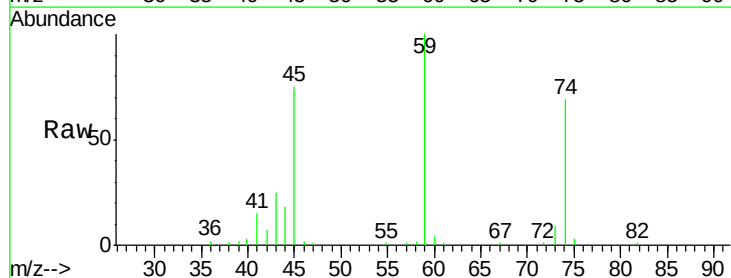
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4/12/2019 1:41:53 PM

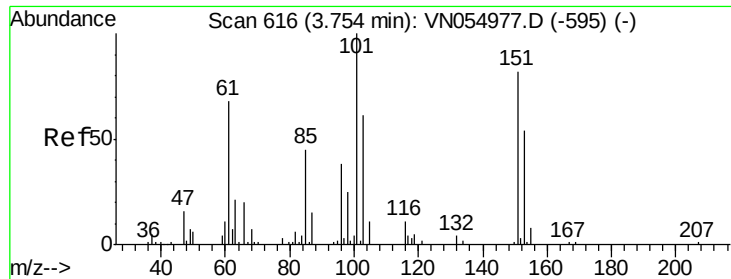


#8

Diethyl Ether
Concen: 19.939 ug/l
RT: 3.42 min Scan# 511
Delta R.T. 0.00 min
Lab File: VN054986.D
Acq: 11 Apr 2019 19:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.4	22.9	205.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.024 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054986.D

Acq: 11 Apr 2019 19:23

Instrument :

MSVOA_N

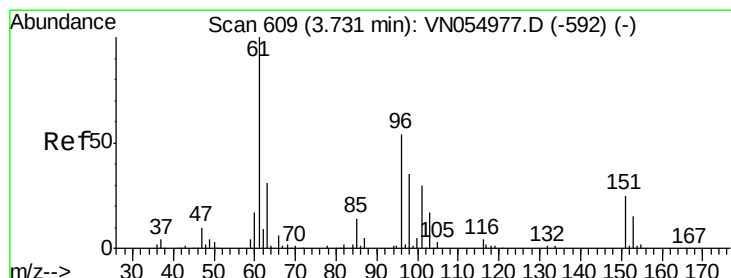
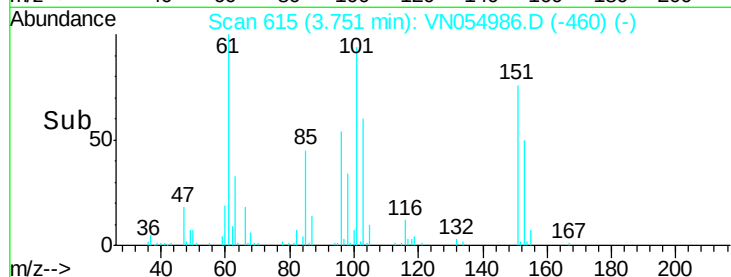
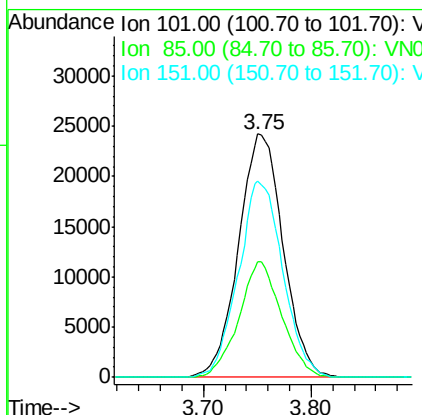
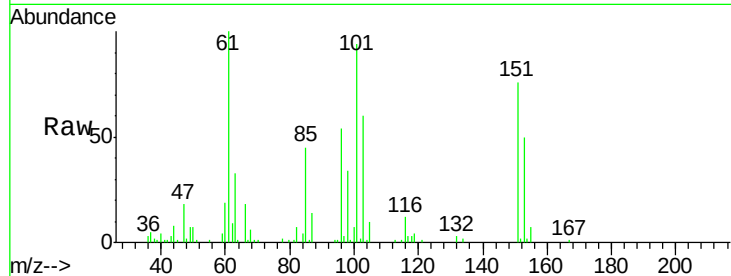
ClientSampleId :

VN0411WBS01

Tot Ion:	101	Resp:	69504
Ion Ratio	Lower	Upper	
101	100		
85	45.6	0.0	91.4
151	80.4	0.0	165.6

Manual Integrations
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4/12/2019 1:41:53 PM



#10

1,1-Dichloroethene

Concen: 19.256 ug/l

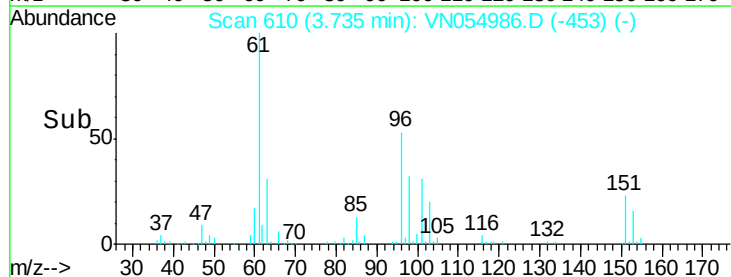
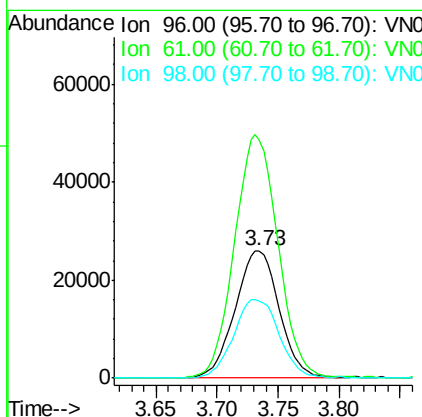
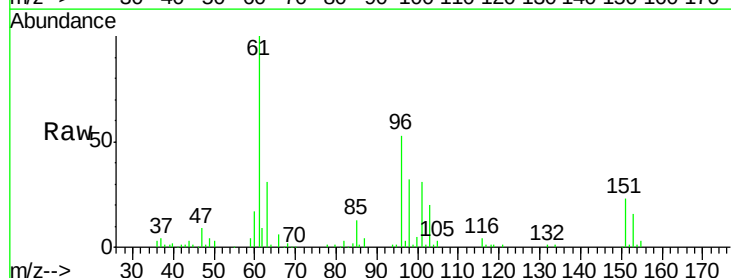
RT: 3.73 min Scan# 610

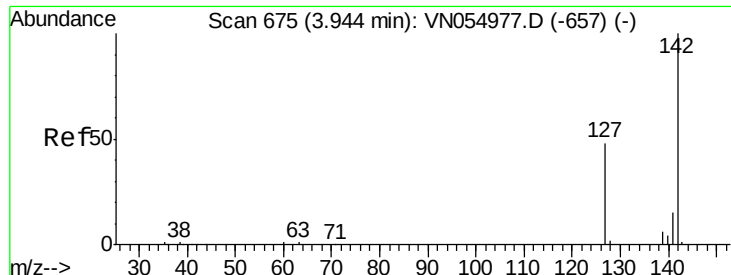
Delta R.T. 0.00 min

Lab File: VN054986.D

Acq: 11 Apr 2019 19:23

Tgt Ion:	96	Resp:	65046
Ion Ratio	Lower	Upper	
96	100		
61	186.0	148.4	222.6
98	60.1	52.2	78.2





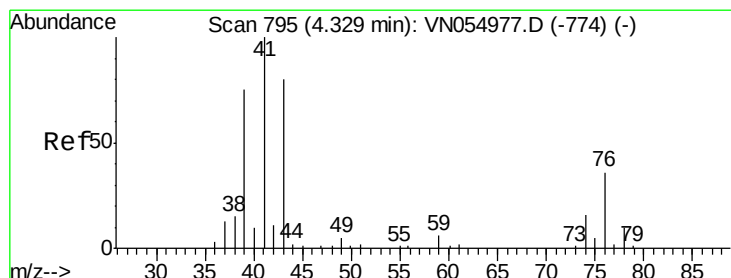
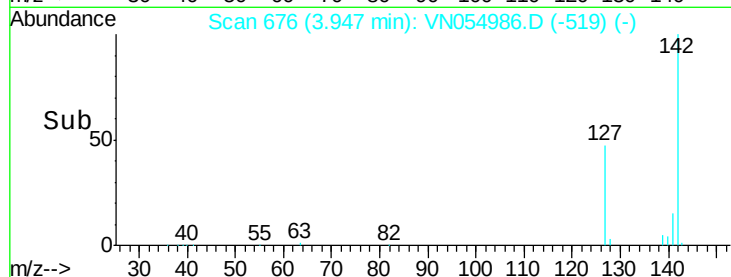
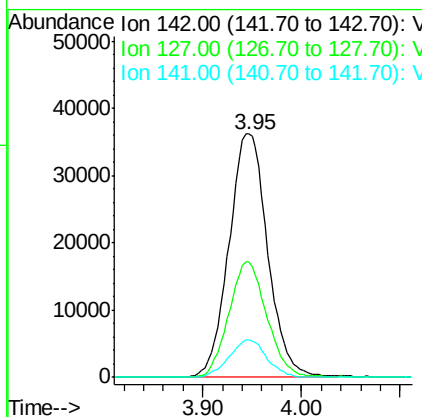
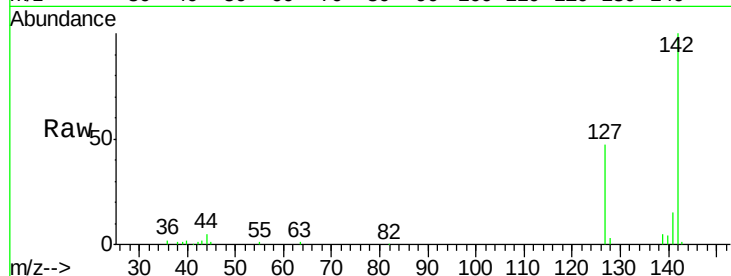
#11
Methvl Iodide
Concen: 19.321 ug/l
RT: 3.95 min Scan# 676
Delta R.T. 0.00 min
Lab File: VN054986.D
Acq: 11 Apr 2019 19:23

Instrument :
MSVOA_N
ClientSampleId :
VN0411WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	47.6	23.8	71.5
141	15.3	7.3	22.0

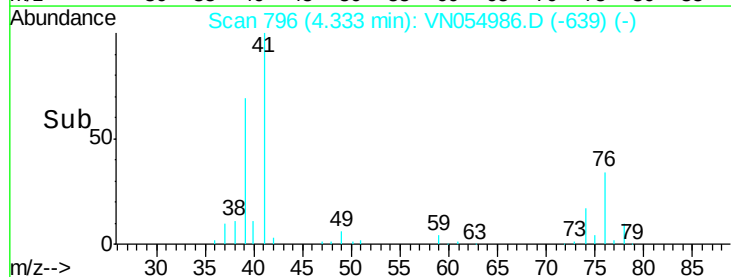
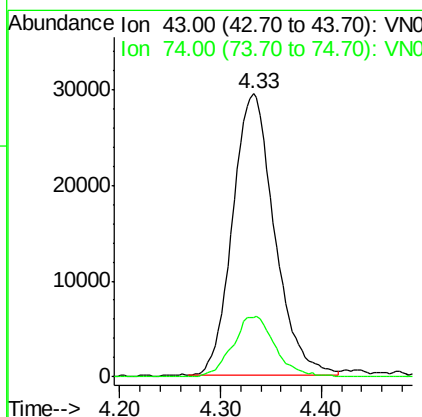
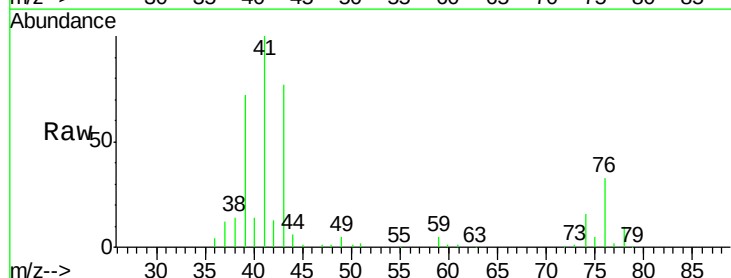
Manual Integrations
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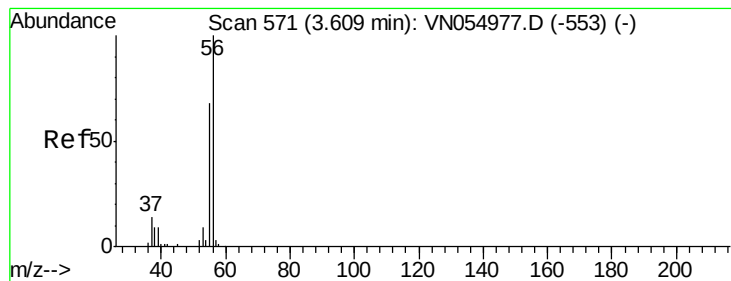
MMDadoda
4/12/2019 1:41:53 PM



#12
Methyl Acetate
Concen: 20.349 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054986.D
Acq: 11 Apr 2019 19:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.3	16.2	24.4





#13

Acrolein

Concen: 101.725 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054986.D

Acq: 11 Apr 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

VN0411WBS01

Tot Ion: 56 Resp: 37042

Ion Ratio Lower Upper

56 100

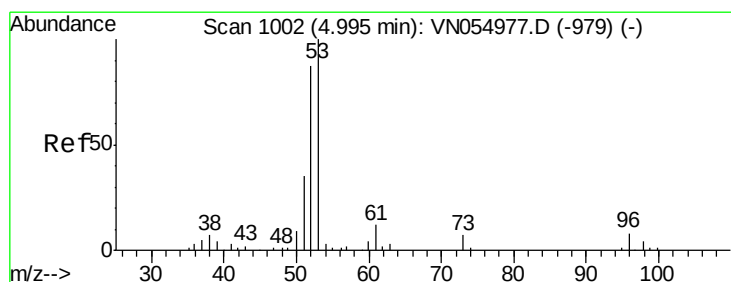
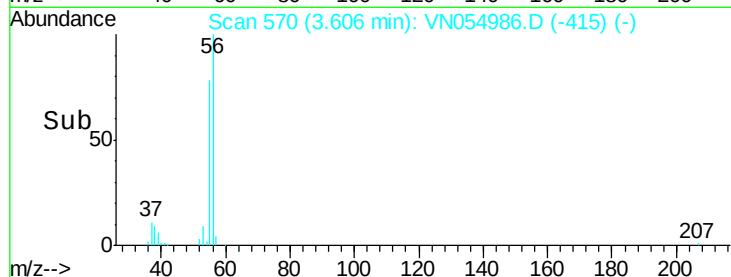
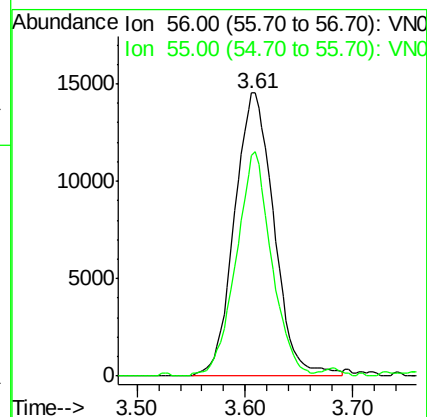
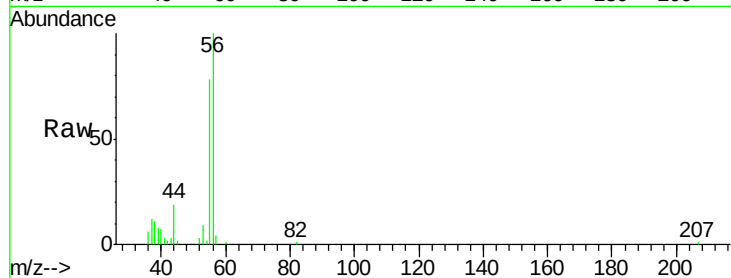
55 68.9 57.0 85.4

Manual Integrations

APPROVED

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4/12/2019 1:41:53 PM



#14

Acrylonitrile

Concen: 98.752 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN054986.D

Acq: 11 Apr 2019 19:23

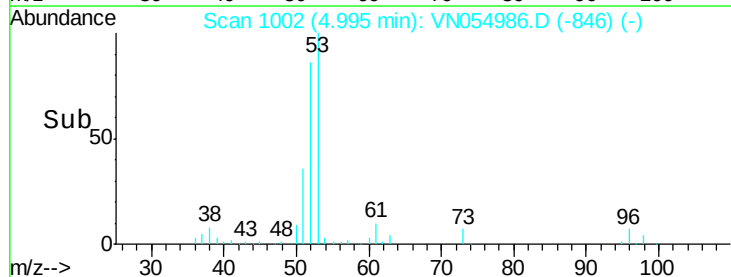
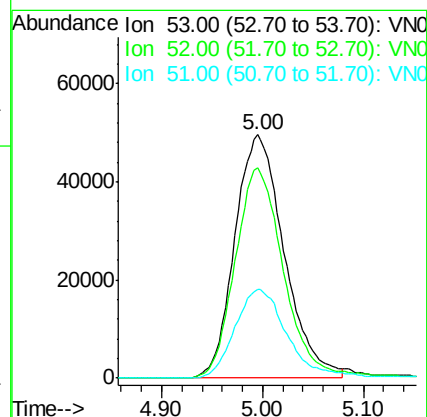
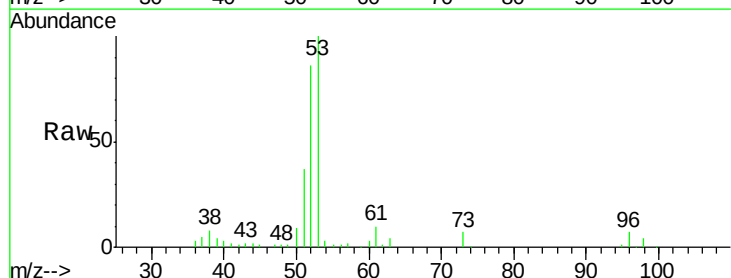
Tgt Ion: 53 Resp: 168099

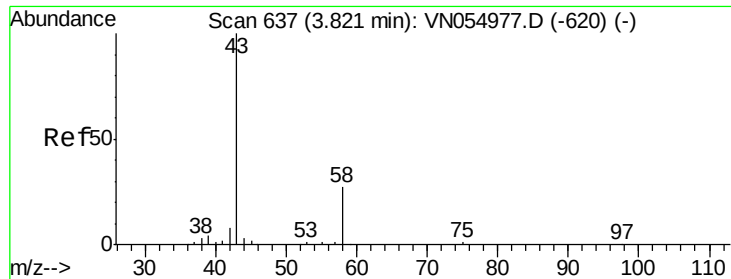
Ion Ratio Lower Upper

53 100

52 83.8 42.3 126.8

51 38.7 18.6 56.0





#15

Acetone

Concen: 78.450 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054986.D

Acq: 11 Apr 2019 19:23

Instrument :

MSVOA_N

ClientSampled :

VN0411WBS01

Tot Ion: 58 Resp: 33045

Ion Ratio Lower Upper

58 100

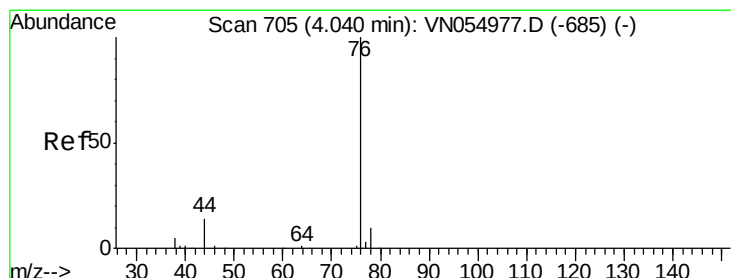
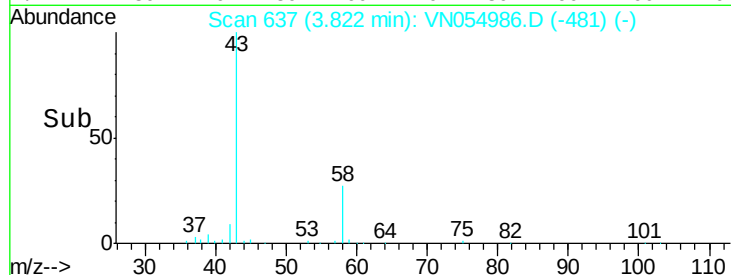
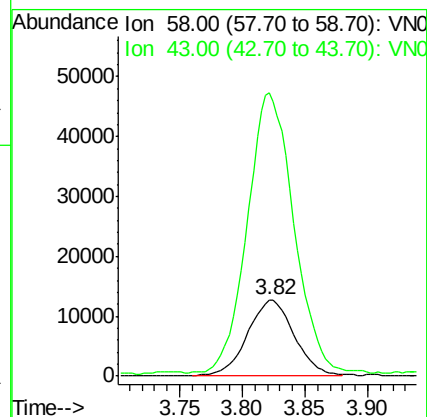
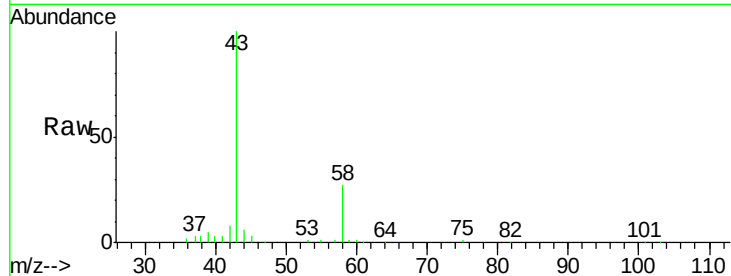
43 366.1 297.2 445.8

Manual Integrations

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#16

Carbon Disulfide

Concen: 18.407 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN054986.D

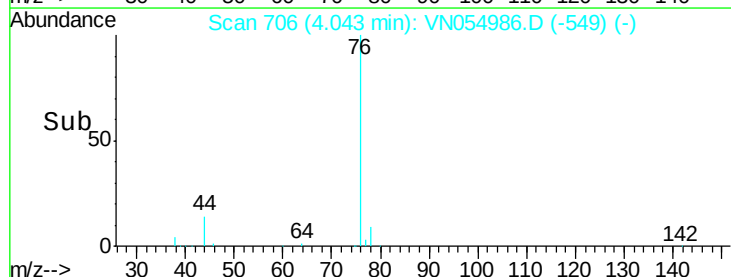
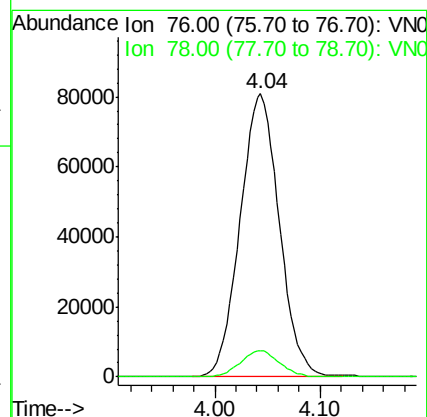
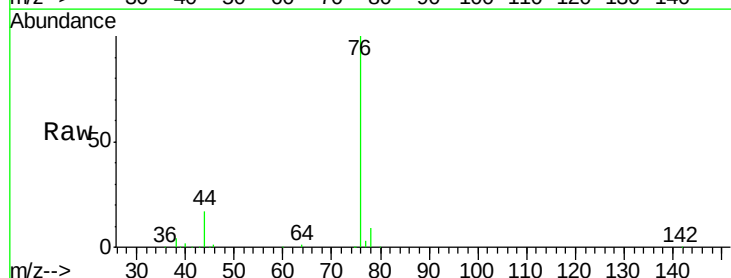
Acq: 11 Apr 2019 19:23

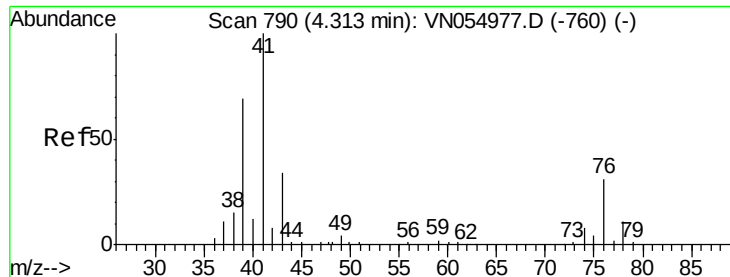
Tgt Ion: 76 Resp: 208559

Ion Ratio Lower Upper

76 100

78 9.3 7.8 11.6





#17

Allvl chloride

Concen: 19.536 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054986.D

Acq: 11 Apr 2019 19:23

Instrument :

MSVOA_N

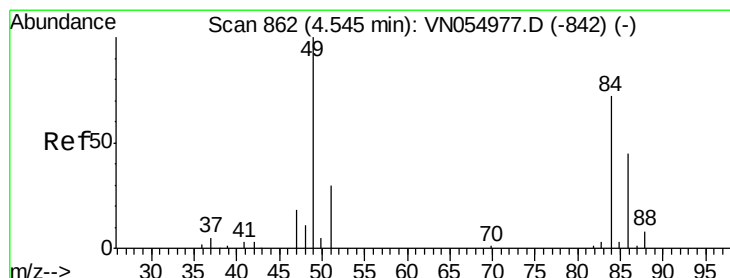
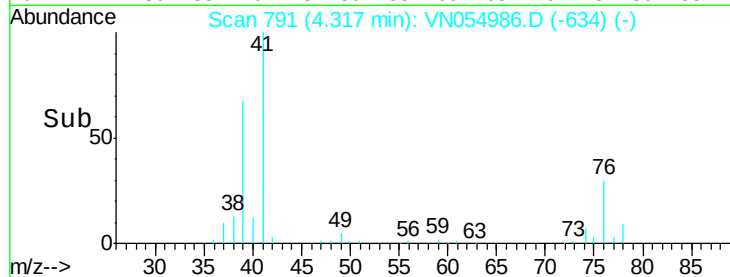
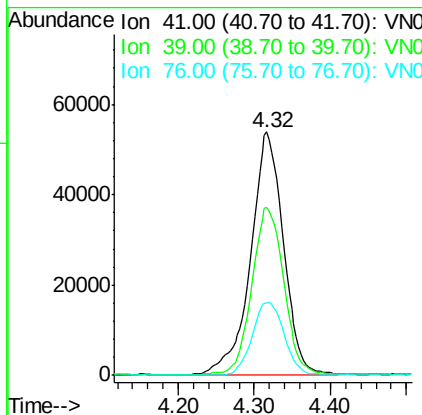
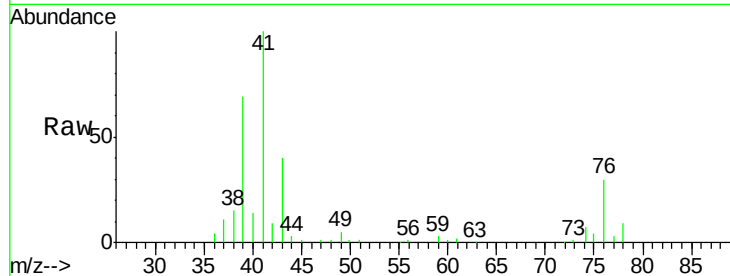
ClientSampleId :

VN0411WBS01

Tot Ion:	41	Resp:	162510
Ion Ratio	Lower	Upper	
41	100		
39	68.9	34.3	102.9
76	29.7	15.8	47.3

Manual Integrations
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#18

Methylene Chloride

Concen: 19.519 ug/l

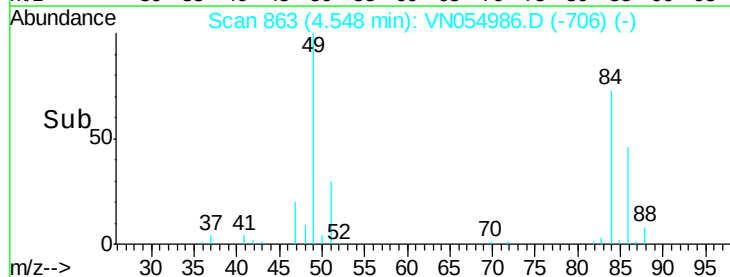
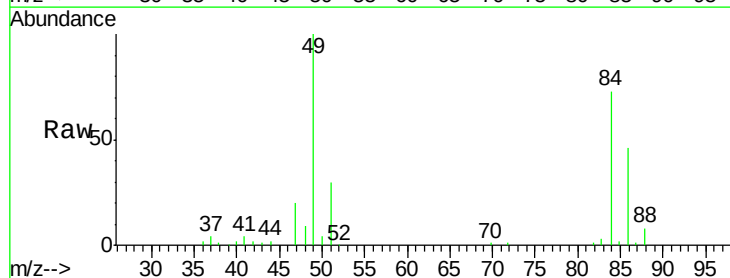
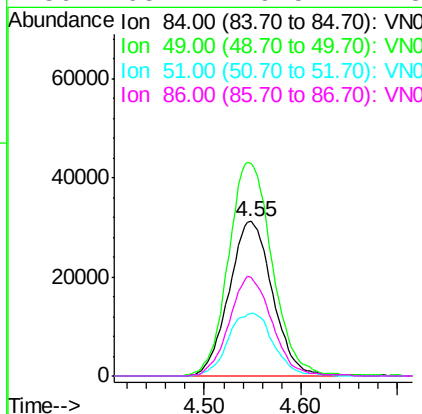
RT: 4.55 min Scan# 863

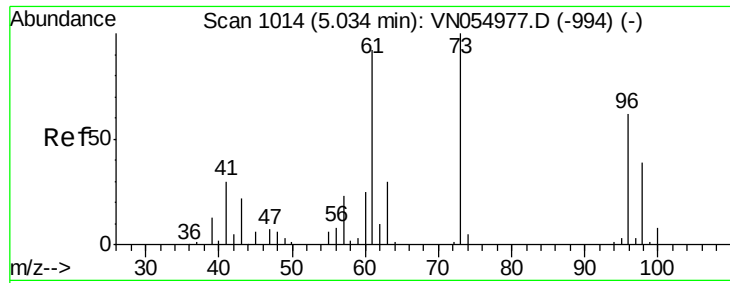
Delta R.T. 0.00 min

Lab File: VN054986.D

Acq: 11 Apr 2019 19:23

Tgt Ion:	84	Resp:	97461
Ion Ratio	Lower	Upper	
84	100		
49	136.8	111.0	166.4
51	40.7	33.4	50.2
86	63.7	49.5	74.3





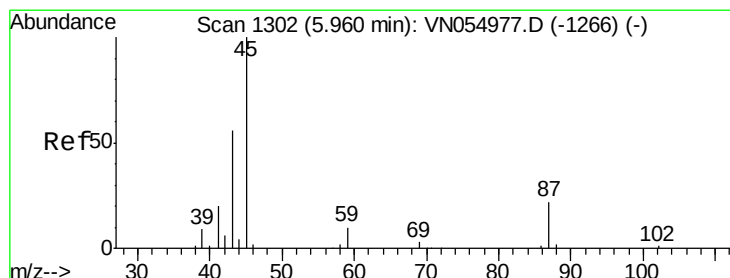
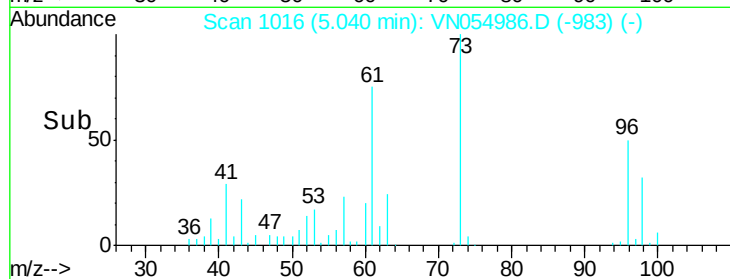
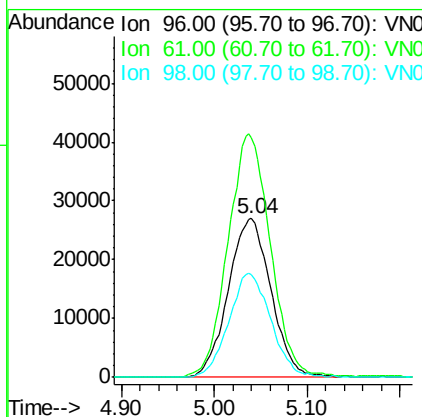
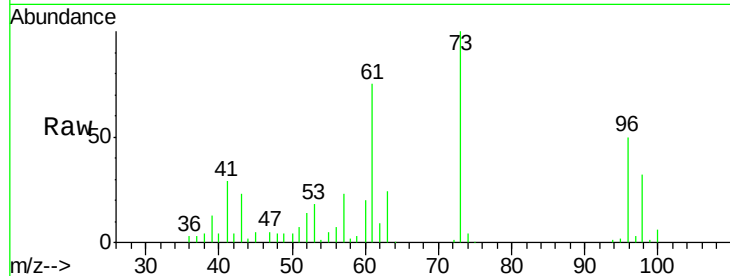
#19
trans-1,2-Dichloroethene
Concen: 19.611 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VN054986.D
Acq: 11 Apr 2019 19:23

Instrument :
MSVOA_N
ClientSampleId :
VN0411WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.4	117.2	175.8
98	64.3	49.4	74.2

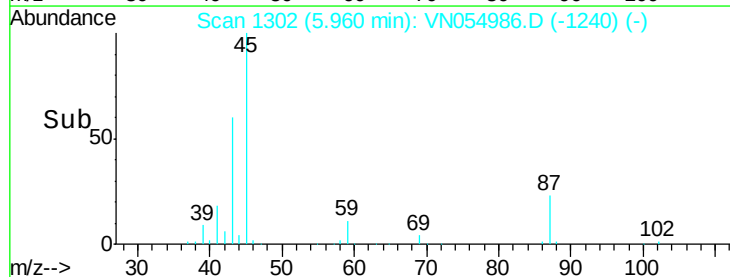
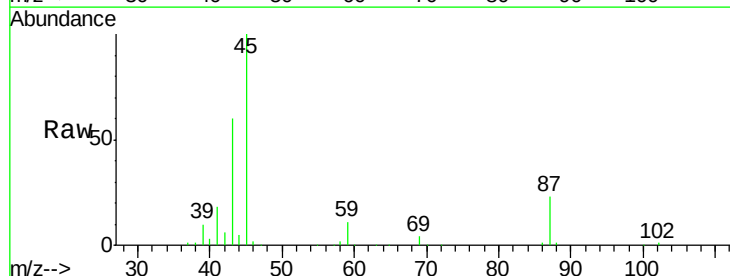
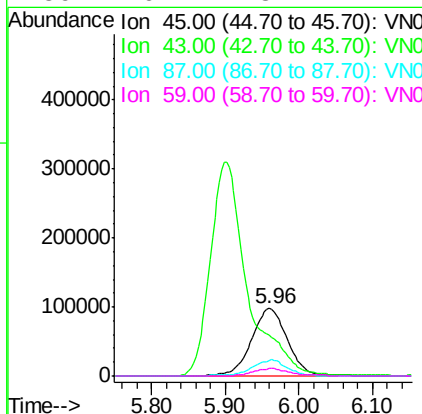
Manual Integrations
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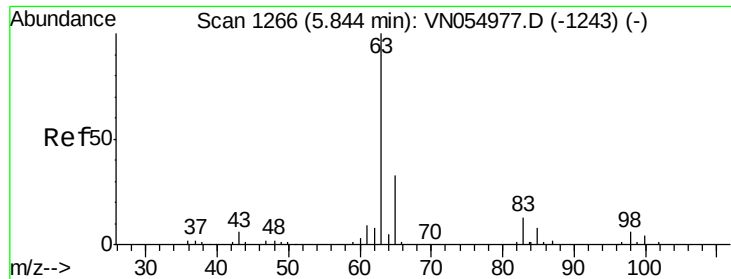
MMDadoda
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#20
Diisopropyl ether
Concen: 19.617 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054986.D
Acq: 11 Apr 2019 19:23

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.9	45.8	68.8
87	22.7	18.2	27.4
59	10.1	8.2	12.2





#21

1,1-Dichloroethane

Concen: 19.734 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.01 min

Lab File: VN054986.D

Acq: 11 Apr 2019 19:23

Instrument :

MSVOA_N

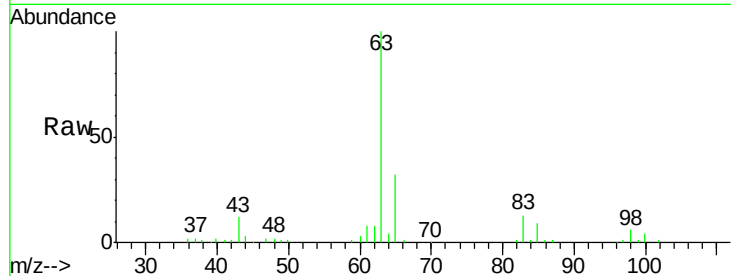
ClientSampleId :

VN0411WBS01

Tot Ion	63	Resp	177628
Ion Ratio	Lower	Upper	
63	100		
98	6.2	2.9	8.7
100	4.0	2.0	5.8

Manual Integrations
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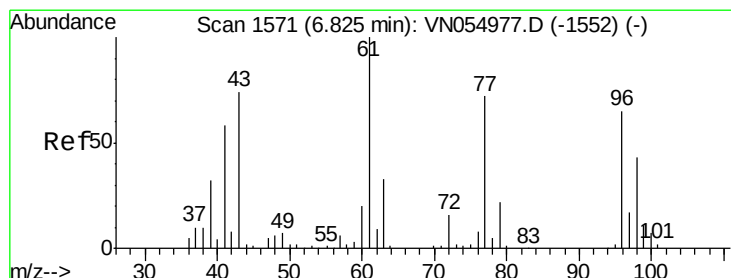
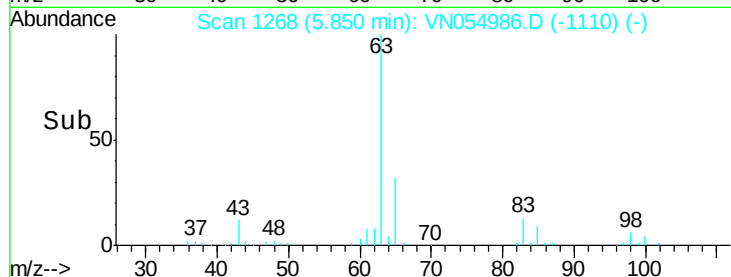
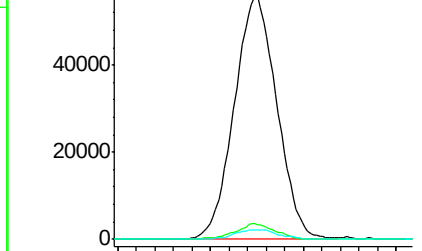
MMDadoda
4/12/2019 1:41:53 PM



Abundance Ion 63.00 (62.70 to 63.70): VN054977.D (-1243) (-)

Ion 98.00 (97.70 to 98.70): VN054977.D (-1243) (-)

Ion 100.00 (99.70 to 100.70): VN054977.D (-1243) (-)



#22

cis-1,2-Dichloroethene

Concen: 19.758 ug/l

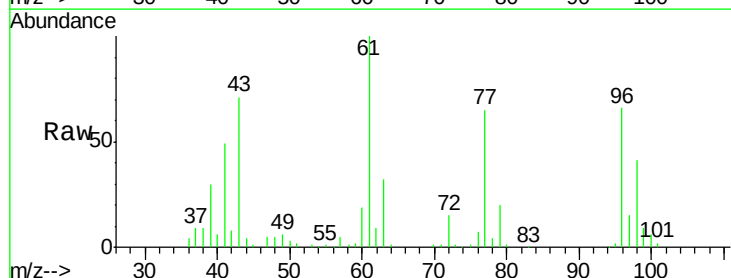
RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054986.D

Acq: 11 Apr 2019 19:23

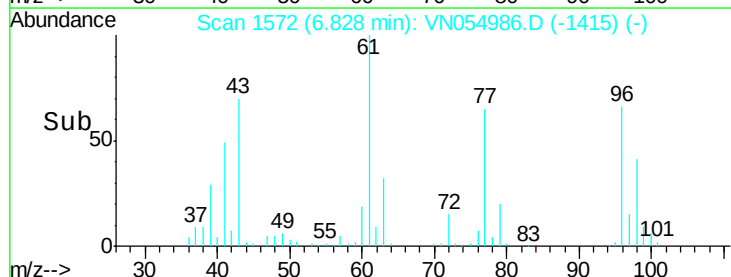
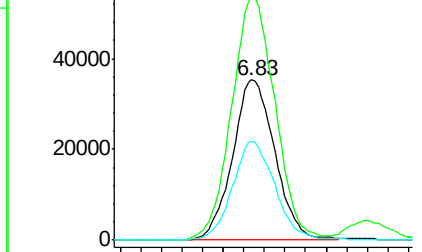
Tgt Ion	96	Resp	100987
Ion Ratio	Lower	Upper	
96	100		
61	155.0	125.0	187.6
98	61.5	52.2	78.2

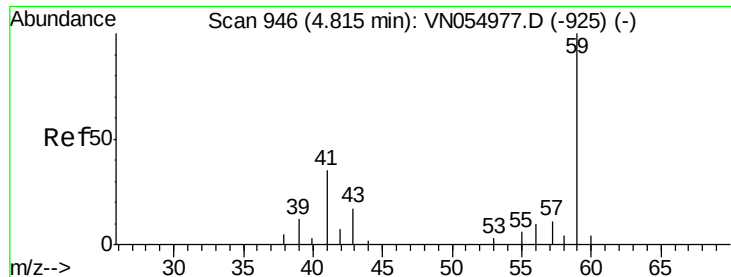


Abundance Ion 96.00 (95.70 to 96.70): VN054977.D (-1552) (-)

Ion 61.00 (60.70 to 61.70): VN054977.D (-1552) (-)

Ion 98.00 (97.70 to 98.70): VN054977.D (-1552) (-)





#23

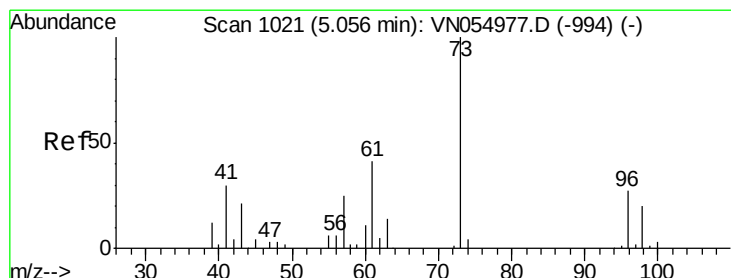
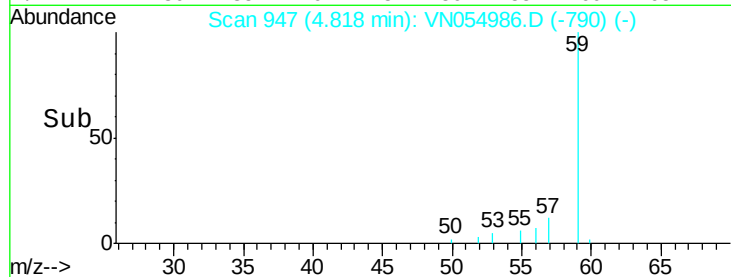
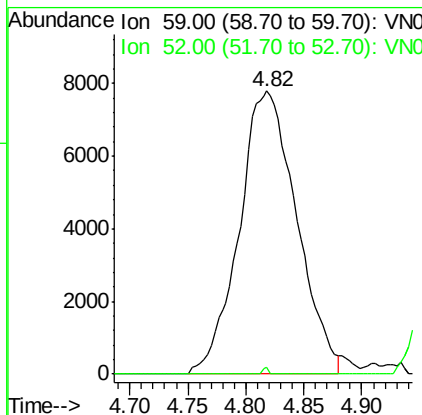
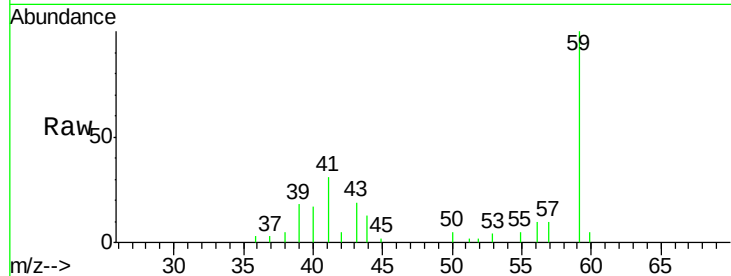
tert-Butyl Alcohol
 Concen: 98.926 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. 0.00 min
 Lab File: VN054986.D
 Acq: 11 Apr 2019 19:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0411WBS01

Tot Ion	59	52	Ratio	100	0.2	Resp Lower	26851	Upper	0.0#
Ion	59	52	Ratio	100	0.2	Resp Lower	26851	Upper	0.0#

Manual Integrations
 APPROVED

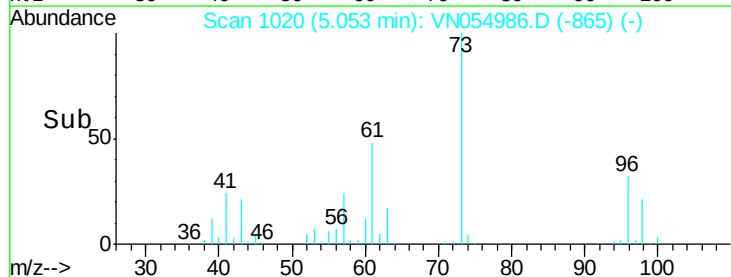
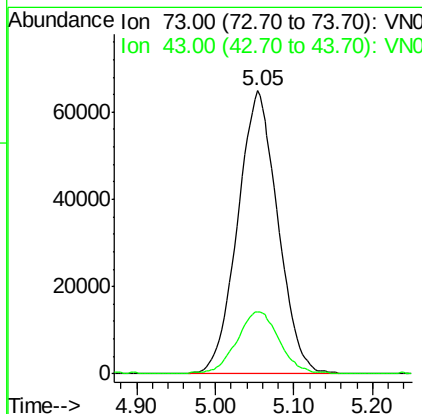
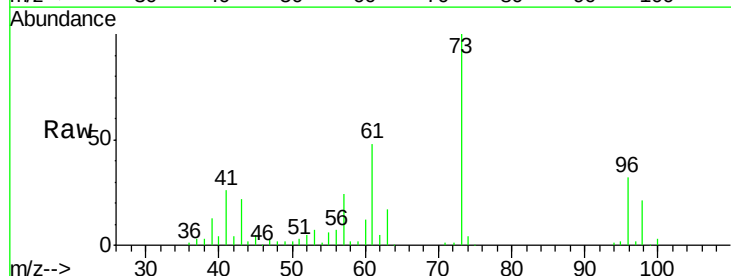
MMDadoda
 4/12/2019 1:41:53 PM

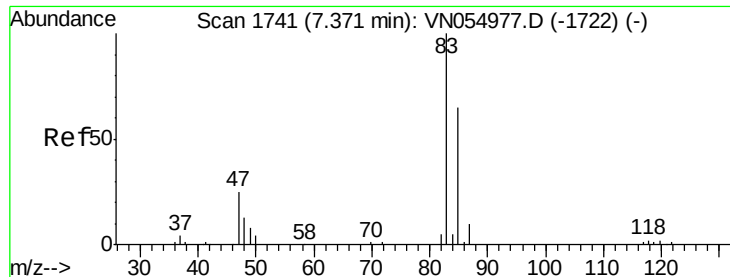


#24

Methyl tert-Butyl Ether
 Concen: 20.489 ug/l
 RT: 5.05 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VN054986.D
 Acq: 11 Apr 2019 19:23

Tgt Ion	73	43	Ratio	100	23.1	Resp Lower	232399	Upper	12.0#
Ion	73	43	Ratio	100	23.1	Resp Lower	232399	Upper	12.0#





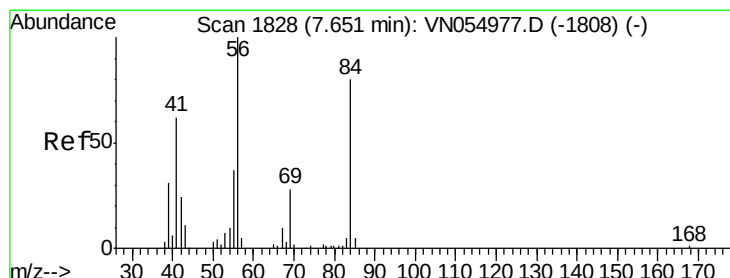
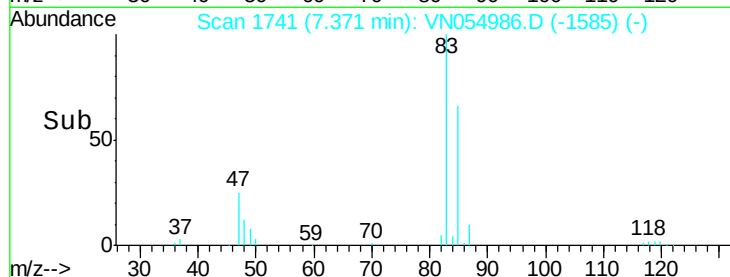
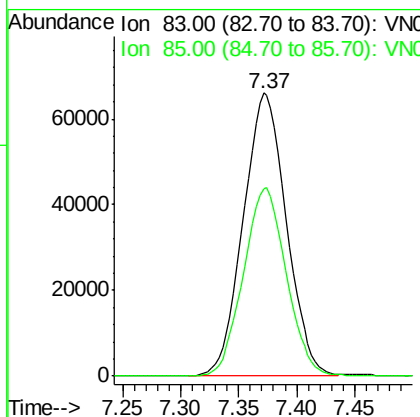
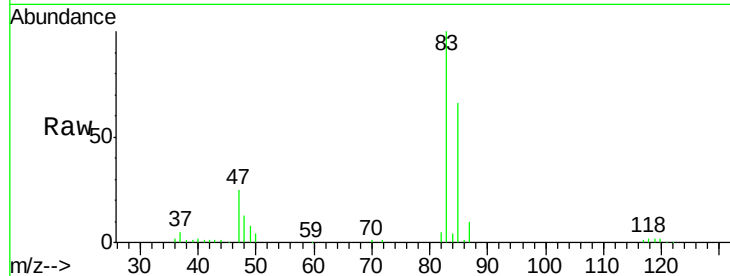
#25
Chloroform
Concen: 19.865 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054986.D
Acq: 11 Apr 2019 19:23

Instrument :
MSVOA_N
ClientSampleId :
VN0411WBS01

Tot Ion	83	Resp	171276
Ion Ratio	100	Lower	Upper
83	100		
85	66.3	51.8	77.8

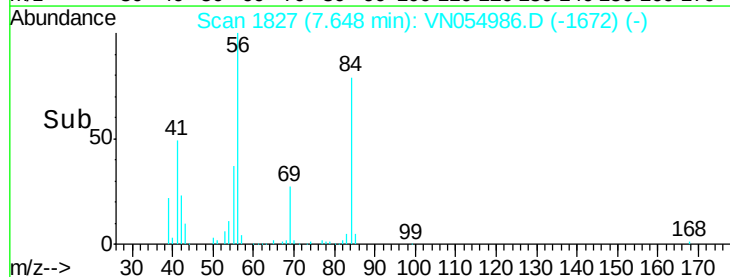
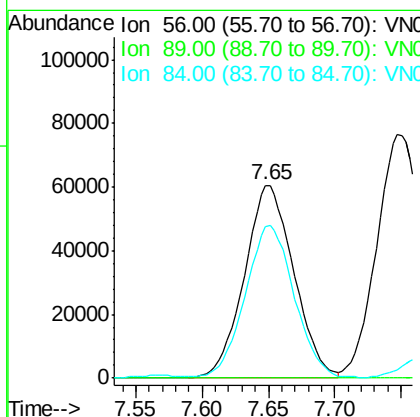
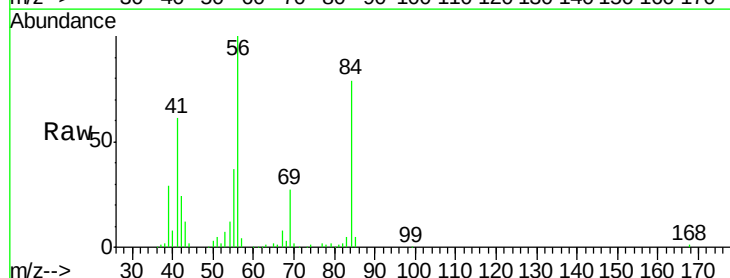
Manual Integrations
APPROVED

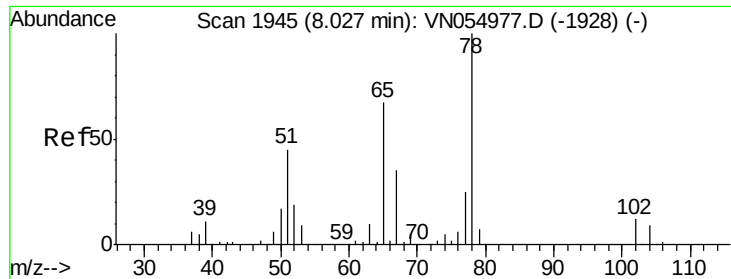
MMDadoda
4/12/2019 1:41:53 PM



#26
Cyclohexane
Concen: 18.816 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN054986.D
Acq: 11 Apr 2019 19:23

Tgt Ion	56	Resp	157142
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	76.8	63.5	95.3





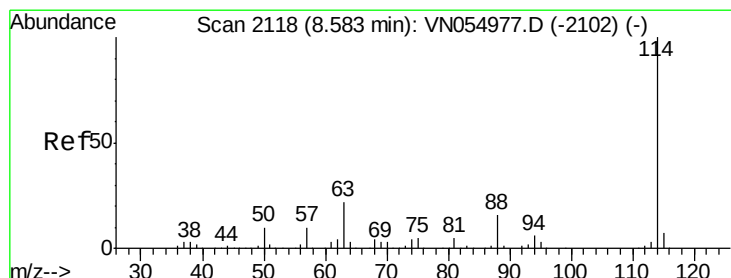
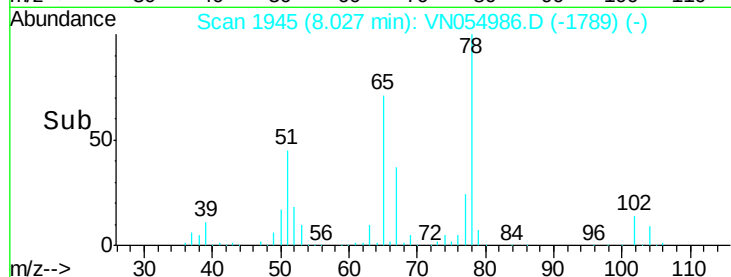
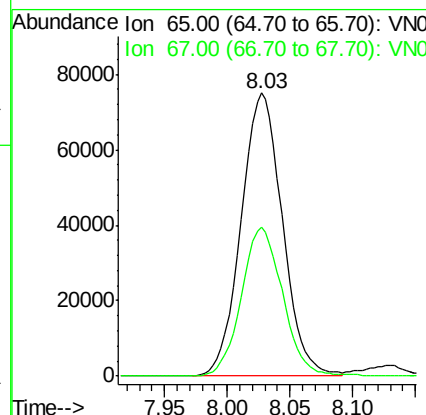
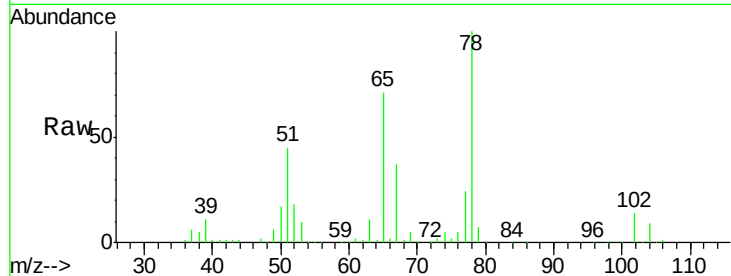
#27
 1,2-Dichloroethane-d4
 Concen: 18.816 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054986.D
 Acq: 11 Apr 2019 19:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0411WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.5	41.8	62.8

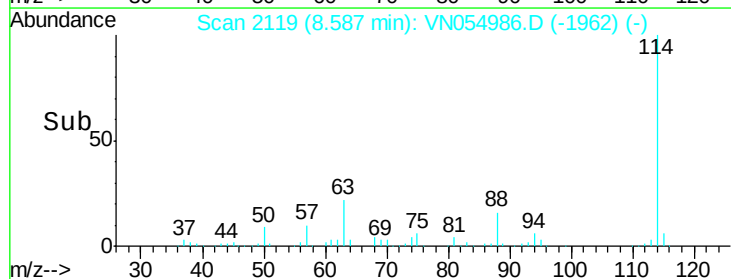
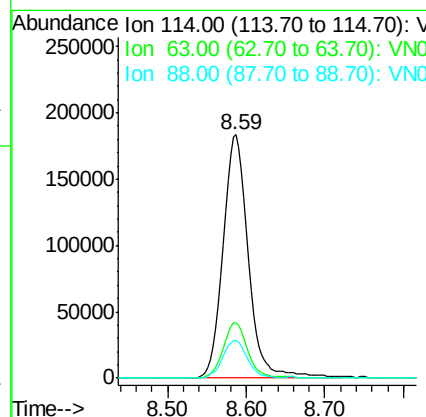
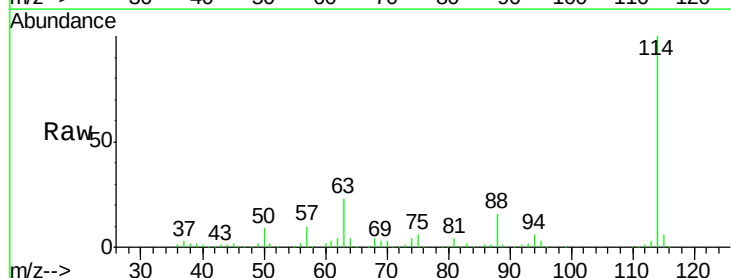
Manual Integrations
 APPROVED

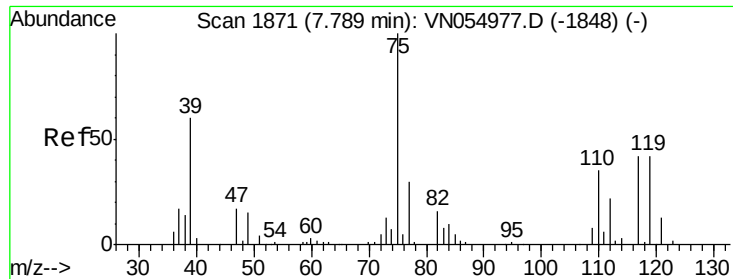
MMDadoda
 4/12/2019 1:41:53 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054986.D
 Acq: 11 Apr 2019 19:23

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.7	17.0	25.4
88	15.1	12.3	18.5





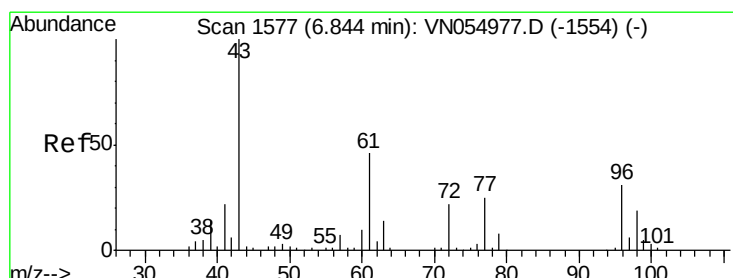
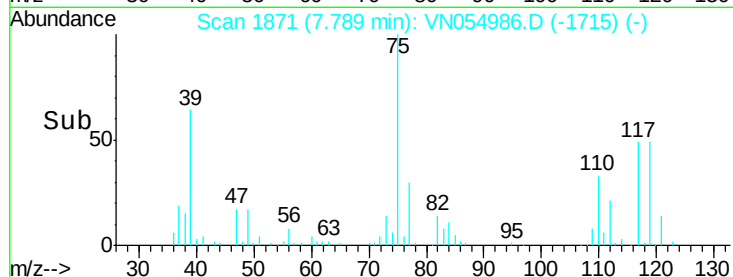
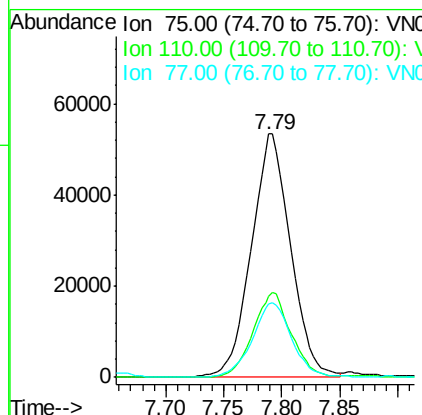
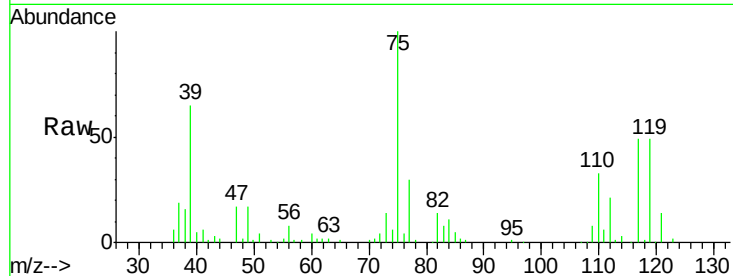
#29
 1,1-Dichloropropene
 Concen: 19.882 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN054986.D
 Acq: 11 Apr 2019 19:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0411WBS01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	33.9	0.0	68.4
77	31.0	0.0	58.6

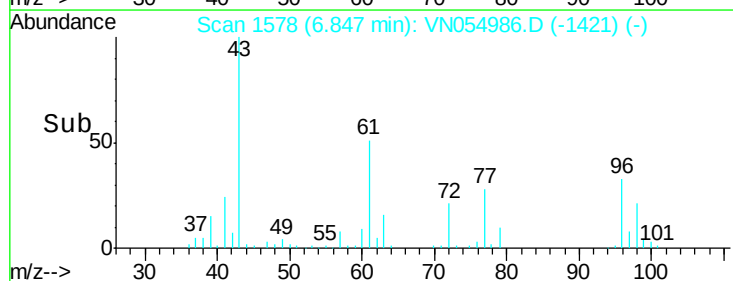
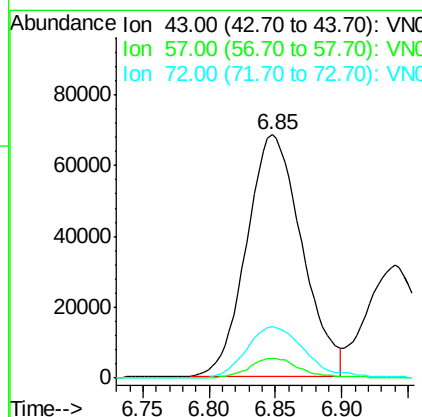
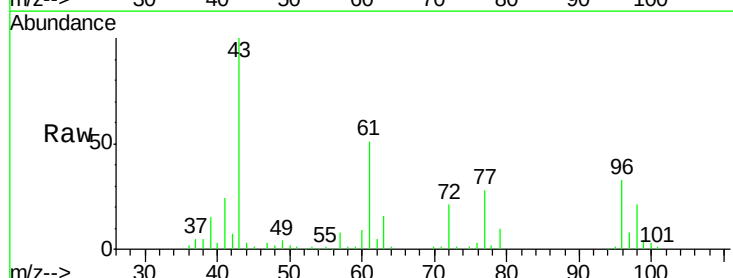
Manual Integrations
 APPROVED

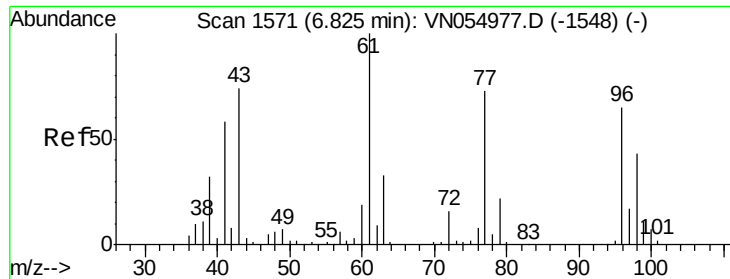
MMDadoda
 4/12/2019 1:41:53 PM



#30
 2-Butanone
 Concen: 94.294 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VN054986.D
 Acq: 11 Apr 2019 19:23

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.6	6.0	9.0
72	21.9	18.6	27.8





#31

2,2-Dichloropropane

Concen: 19.324 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN054986.D

Acq: 11 Apr 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

VN0411WBS01

Tot Ion: 77 Resp: 112770

Ion Ratio Lower Upper

77 100

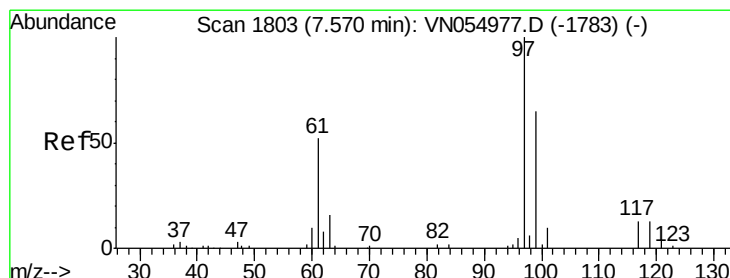
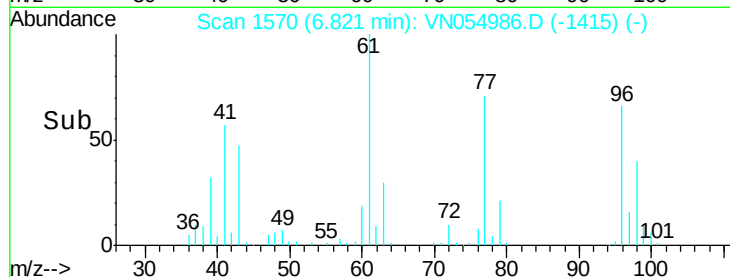
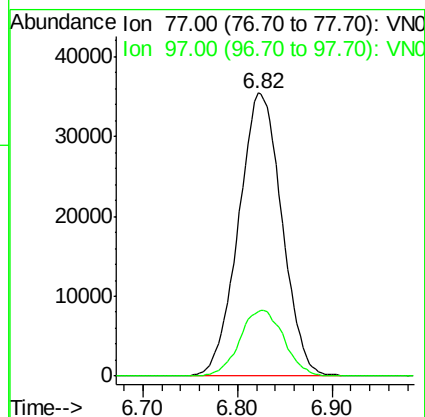
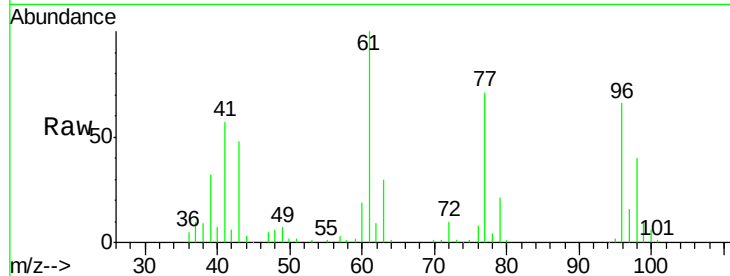
97 23.7 0.0 0.0#

Manual Integrations

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MMDadoda

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#32

1,1,1-Trichloroethane

Concen: 20.683 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN054986.D

Acq: 11 Apr 2019 19:23

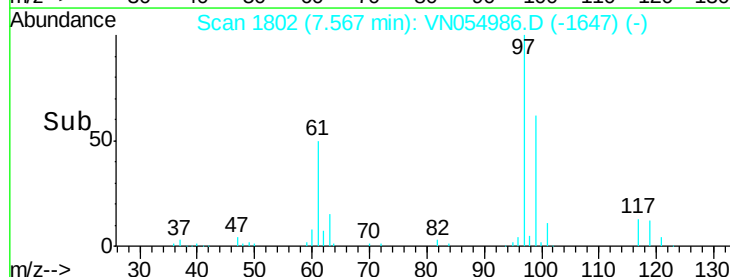
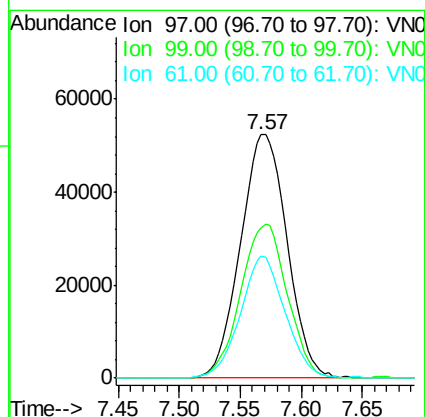
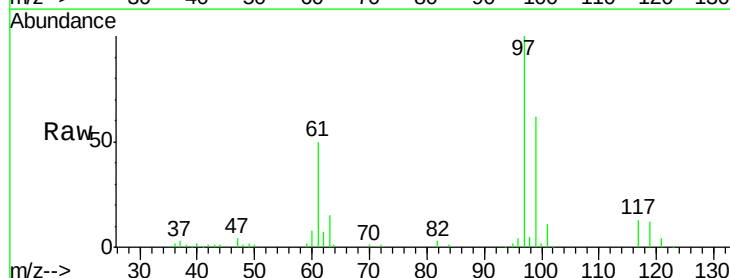
Tgt Ion: 97 Resp: 138614

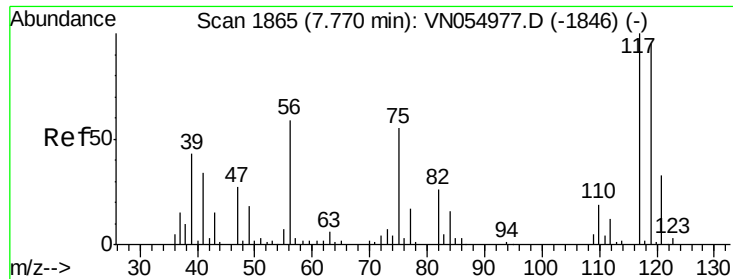
Ion Ratio Lower Upper

97 100

99 63.2 51.2 76.8

61 48.0 40.6 60.8





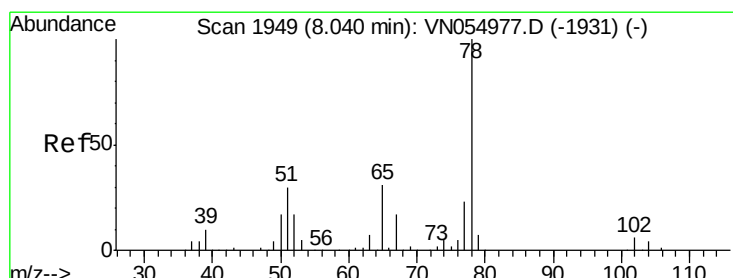
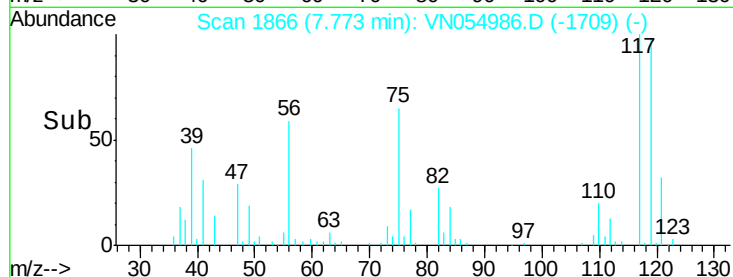
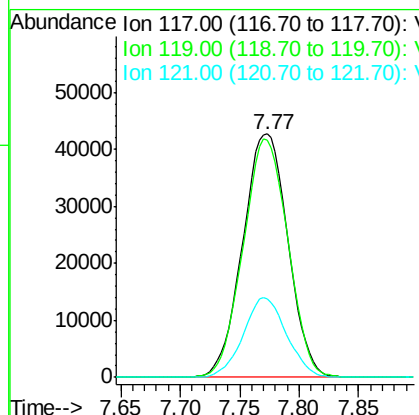
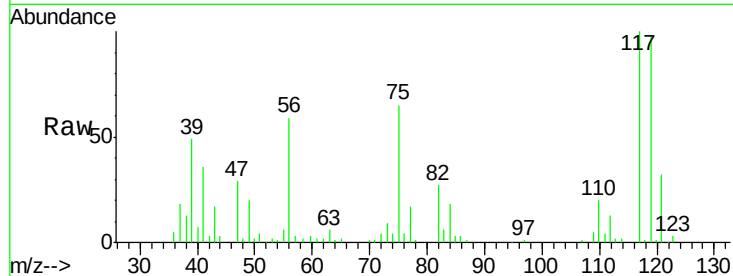
#33
Carbon Tetrachloride
Concen: 19.408 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054986.D
Acq: 11 Apr 2019 19:23

Instrument :
MSVOA_N
ClientSampleId :
VN0411WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.5	76.1	114.1
121	32.0	26.2	39.4

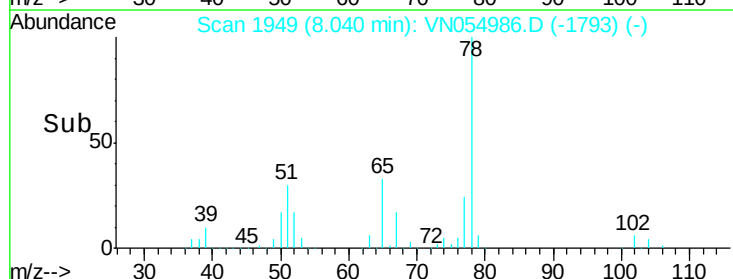
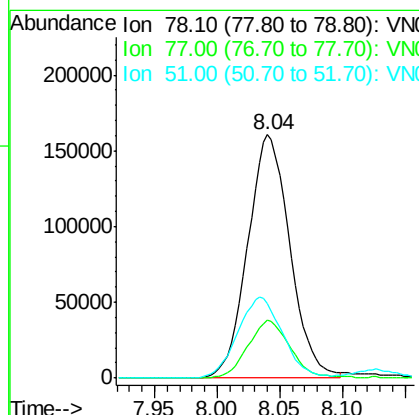
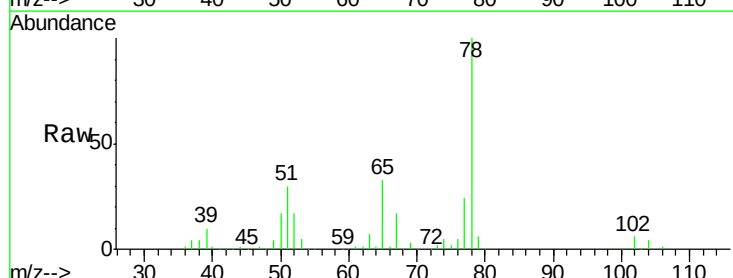
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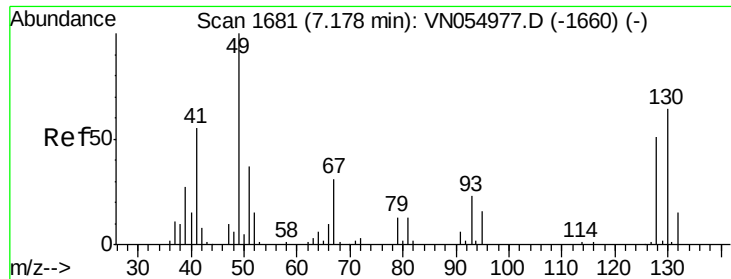
MMDadoda
4/12/2019 1:41:53 PM



#34
Benzene
Concen: 20.030 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054986.D
Acq: 11 Apr 2019 19:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.2	27.4
51	30.3	23.7	35.5





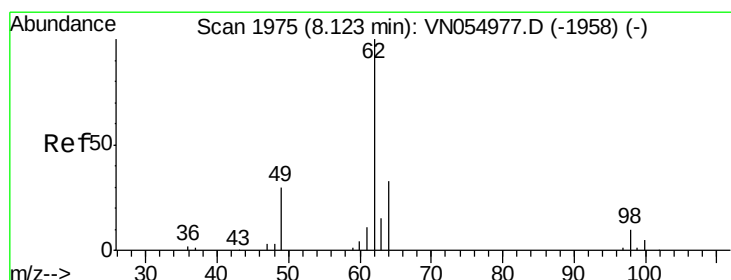
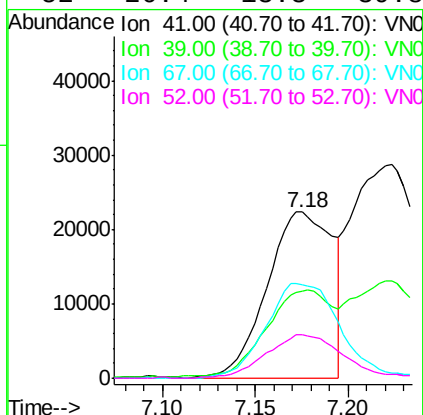
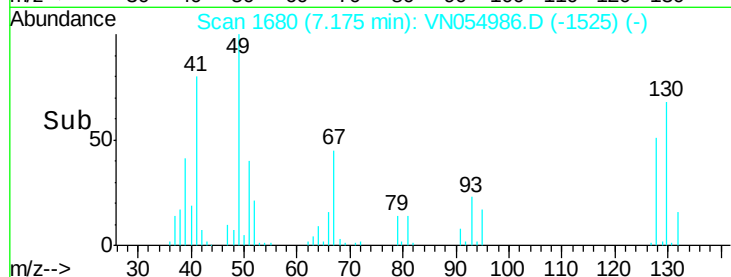
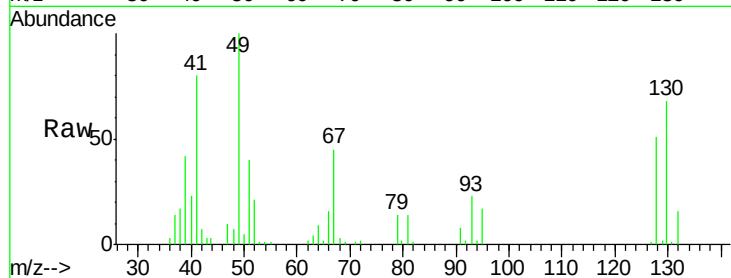
#35
Methacrylonitrile
Concen: 22.141 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054986.D
Acq: 11 Apr 2019 19:23

Instrument :
MSVOA_N
ClientSampleId :
VN0411WBS01

Tot Ion	41	Resp	54922
Ion	Ratio	Lower	Upper
41	100		
39	50.4	24.2	72.6
67	56.2	28.1	84.2
52	26.4	13.3	39.8

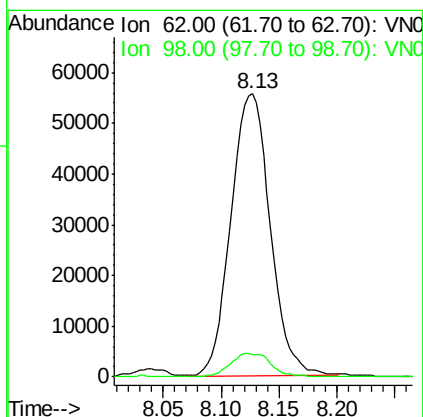
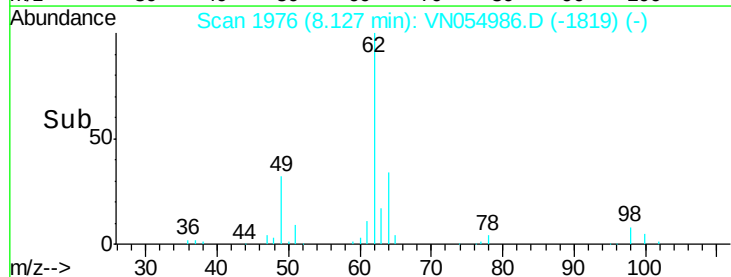
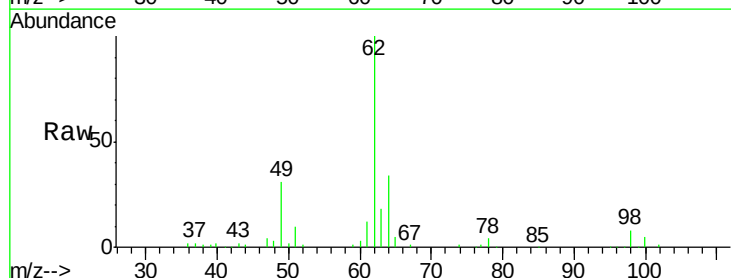
Manual Integrations
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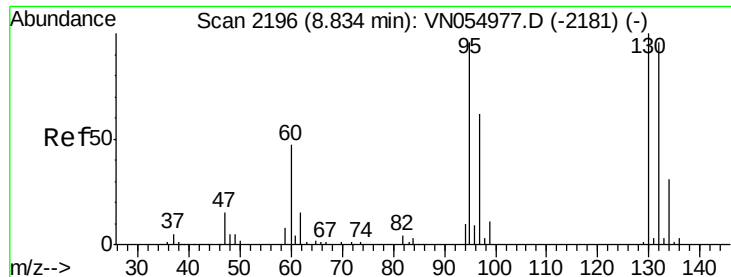
MMDadoda
4/12/2019 1:41:53 PM



#36
1,2-Dichloroethane
Concen: 20.389 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054986.D
Acq: 11 Apr 2019 19:23

Tgt Ion	62	Resp	130928
Ion	Ratio	Lower	Upper
62	100		
98	4.8	6.9	10.3#





#37

Trichloroethene

Concen: 20.194 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054986.D

Acq: 11 Apr 2019 19:23

Instrument :

MSVOA_N

ClientSampled :

VN0411WBS01

Tot Ion:130 Resp: 96729

Ion Ratio Lower Upper

130 100

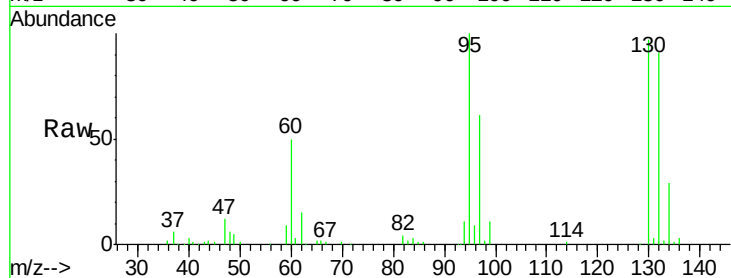
95 102.9 76.6 115.0

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.83

50000

40000

30000

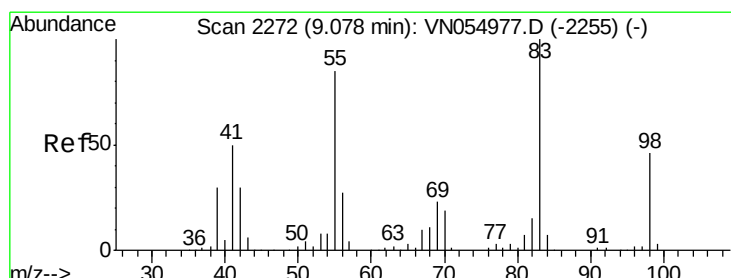
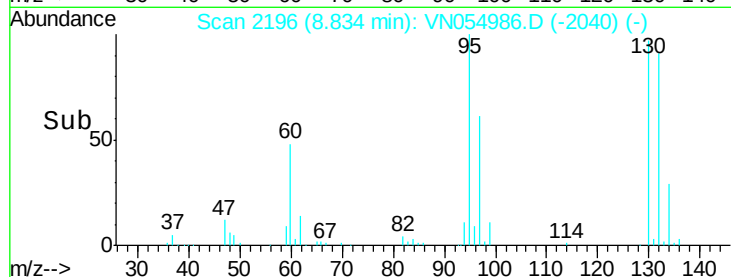
20000

10000

0

8.75 8.80 8.85 8.90 8.95

Time-->



#38

Methylcyclohexane

Concen: 18.443 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN054986.D

Acq: 11 Apr 2019 19:23

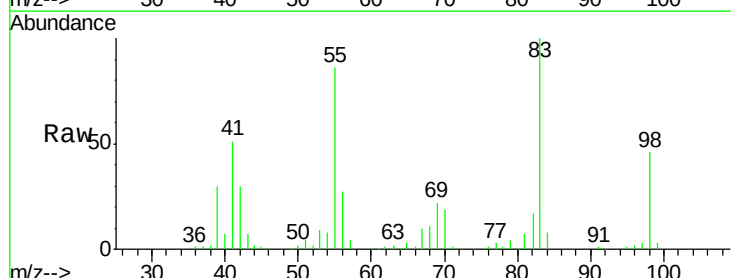
Tgt Ion: 83 Resp: 135611

Ion Ratio Lower Upper

83 100

55 84.4 41.9 125.6

98 45.4 22.4 67.0



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

80000

60000

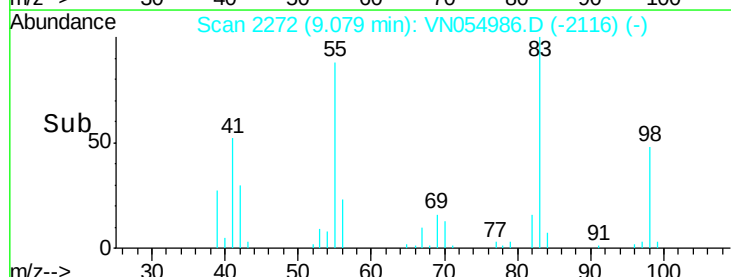
40000

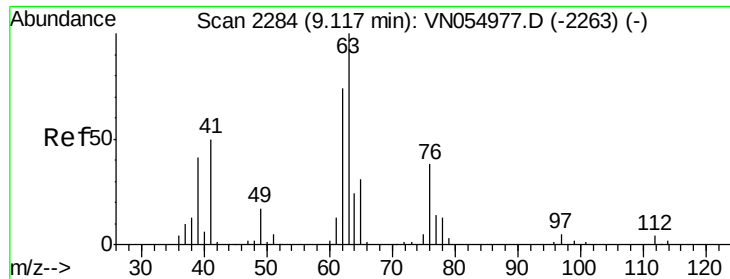
20000

0

9.00 9.05 9.10 9.15

Time-->





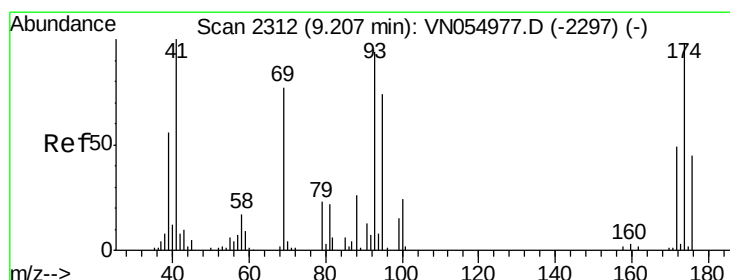
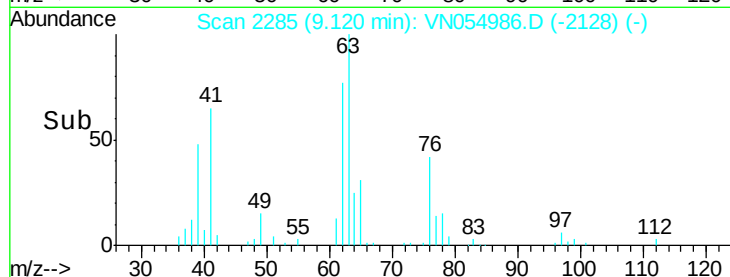
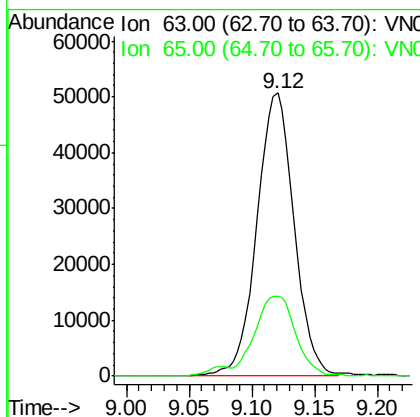
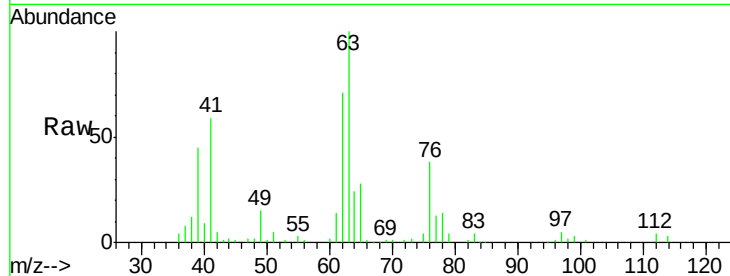
#39
 1,2-Dichloropropane
 Concen: 20.202 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054986.D
 Acq: 11 Apr 2019 19:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0411WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.0	24.8	37.2

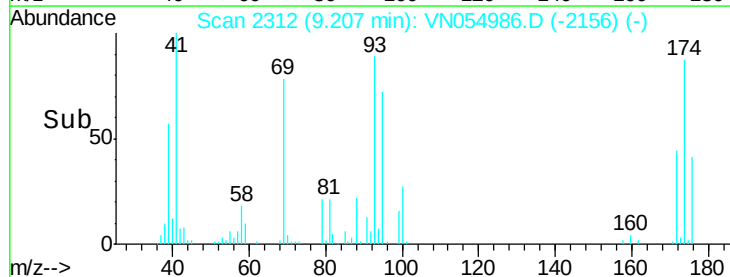
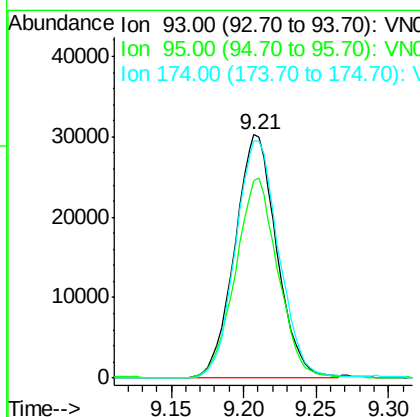
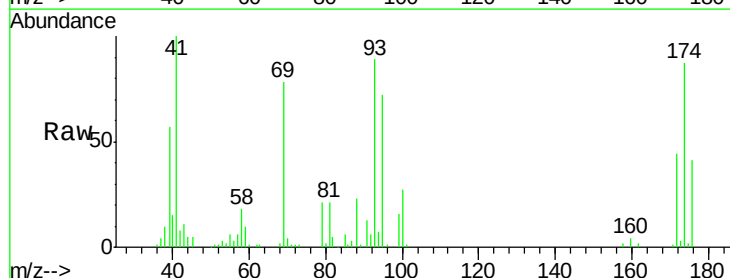
Manual Integrations
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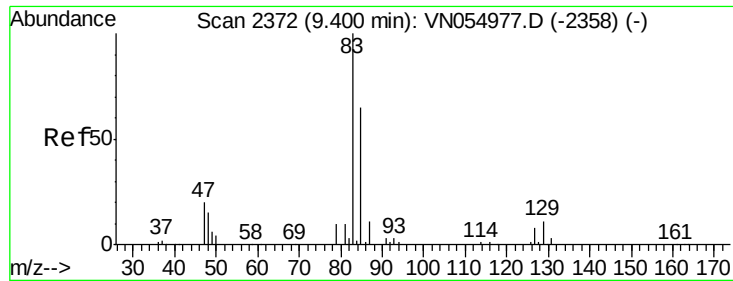
MMDadoda
 4/12/2019 1:41:53 PM



#40
 Dibromomethane
 Concen: 20.721 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN054986.D
 Acq: 11 Apr 2019 19:23

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	0.0	160.8
174	101.1	0.0	206.4





#41

Bromodichloromethane

Concen: 19.852 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054986.D

Acq: 11 Apr 2019 19:23

Instrument :

MSVOA_N

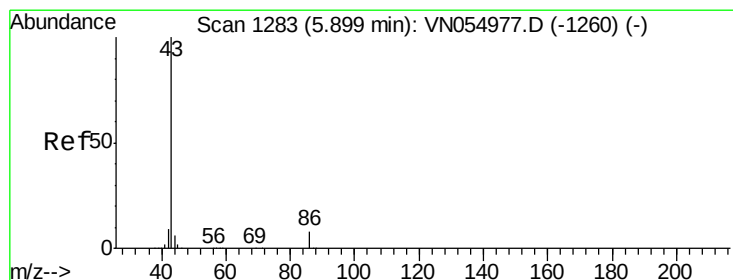
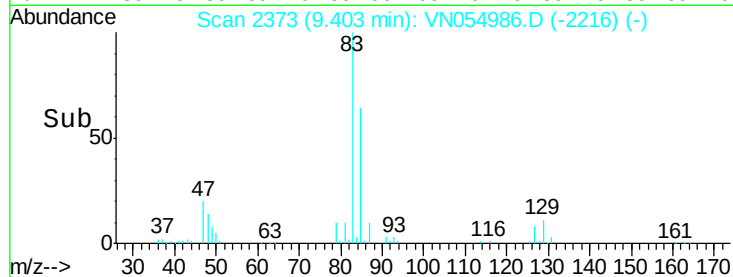
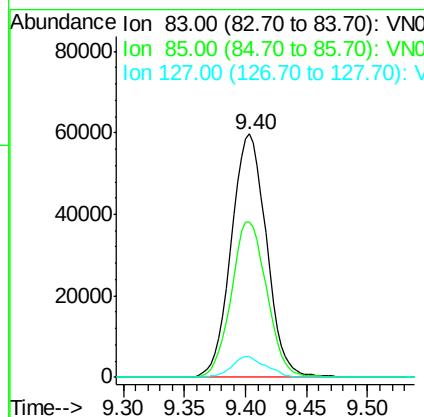
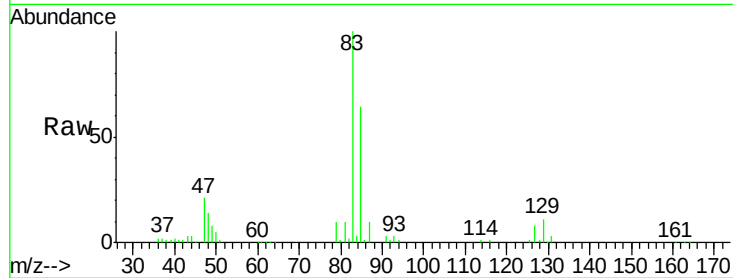
ClientSampleId :

VN0411WBS01

Tot Ion:	83	Resp:	120146
Ion Ratio	Lower	Upper	
83	100		
85	64.0	52.0	78.0
127	8.3	7.2	10.8

Manual Integrations
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MMDadoda
4/12/2019 1:41:53 PM



#42

Vinyl Acetate

Concen: 101.406 ug/l

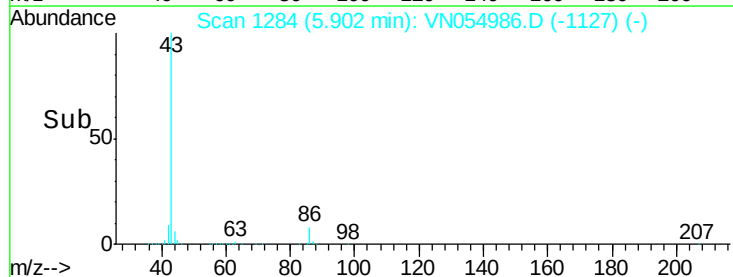
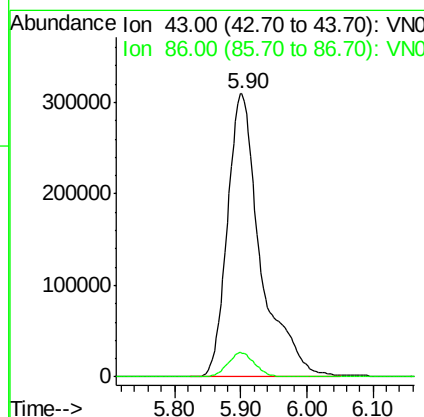
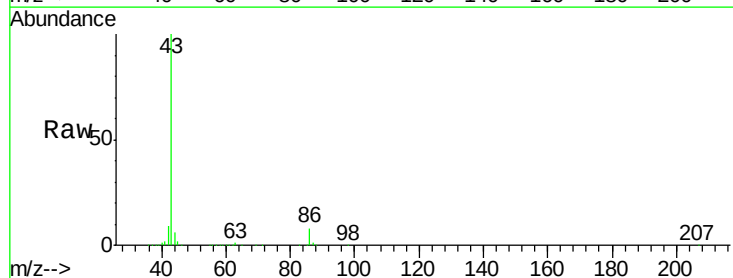
RT: 5.90 min Scan# 1284

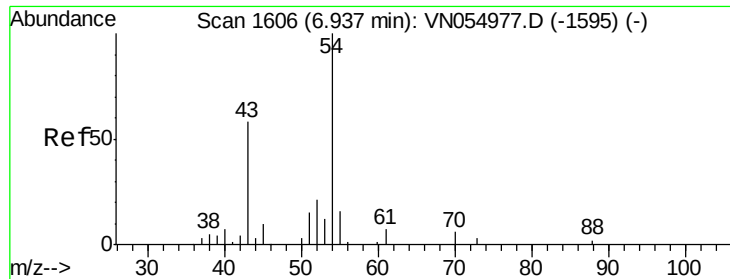
Delta R.T. 0.00 min

Lab File: VN054986.D

Acq: 11 Apr 2019 19:23

Tgt Ion:	43	Resp:	1078967
Ion Ratio	Lower	Upper	
43	100		
86	7.1	5.7	8.5





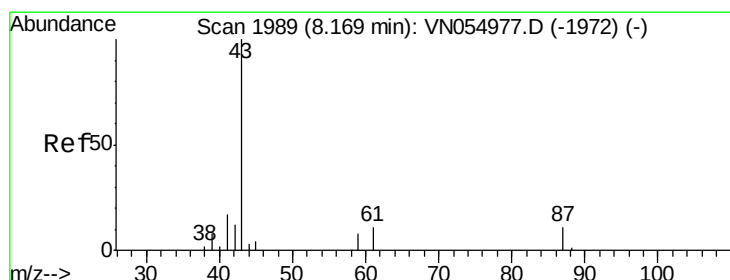
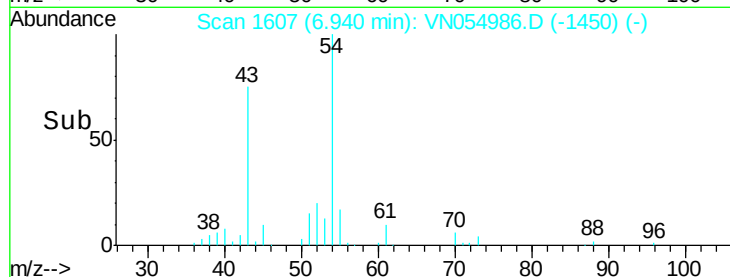
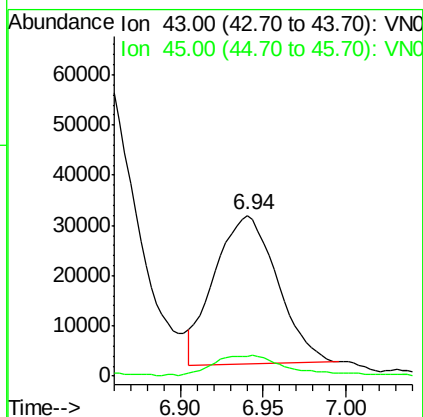
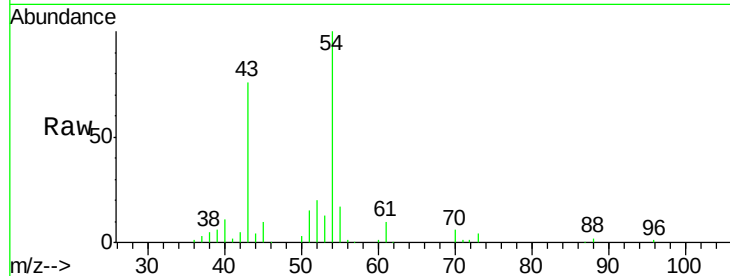
#43
Ethyl Acetate
Concen: 18.161 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054986.D
Acq: 11 Apr 2019 19:23

Instrument :
MSVOA_N
ClientSampleId :
VN0411WBS01

Tot Ion: 43 Resp: 77868
Ion Ratio Lower Upper
43 100
45 6.3 10.6 15.8#

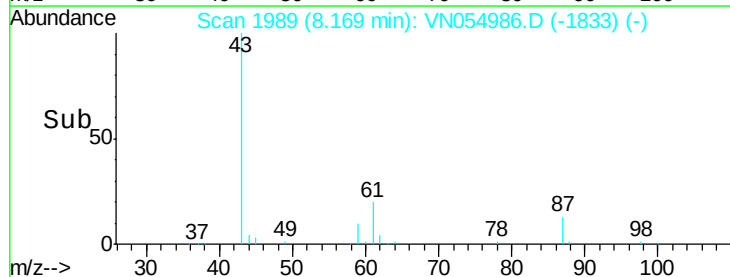
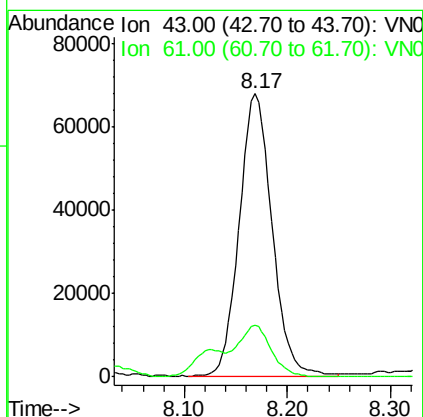
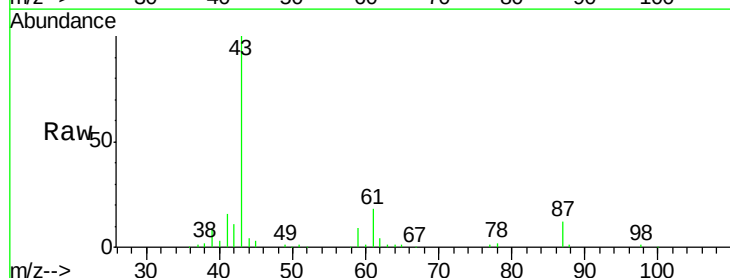
Manual Integrations
APPROVED

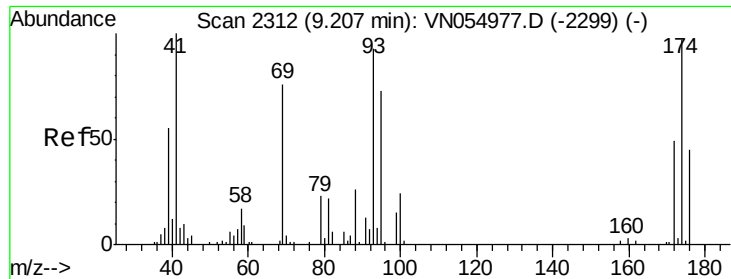
MMDadoda
4/12/2019 1:41:53 PM



#44
Isopropyl Acetate
Concen: 20.606 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN054986.D
Acq: 11 Apr 2019 19:23

Tgt Ion: 43 Resp: 149727
Ion Ratio Lower Upper
43 100
61 18.3 14.8 22.2





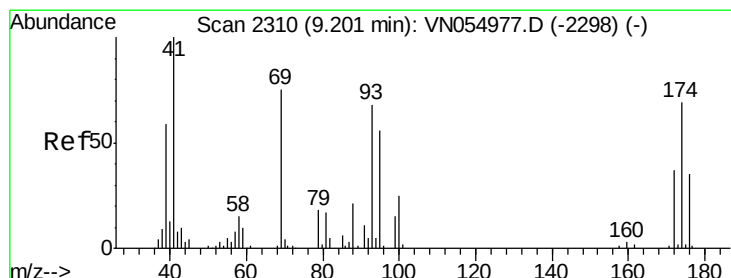
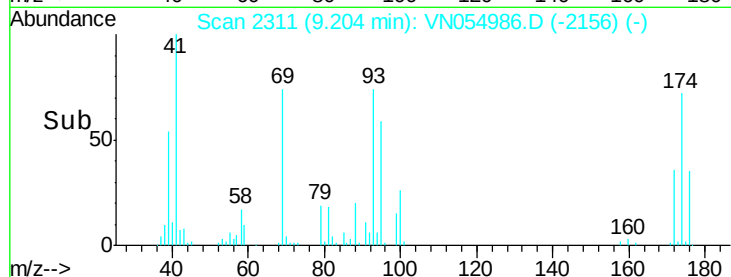
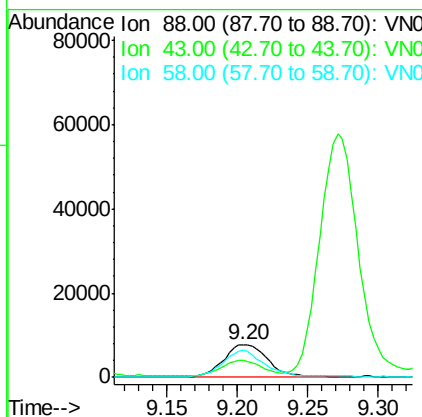
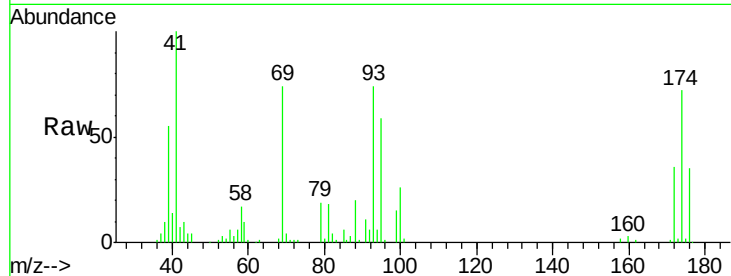
#45
 1,4-Dioxane
 Concen: 430.774 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN054986.D
 Acq: 11 Apr 2019 19:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0411WBS01

Tot Ion	88	Resp	17341
Ion Ratio	Lower	Upper	
88	100		
43	43.0	34.5	51.7
58	76.7	60.3	90.5

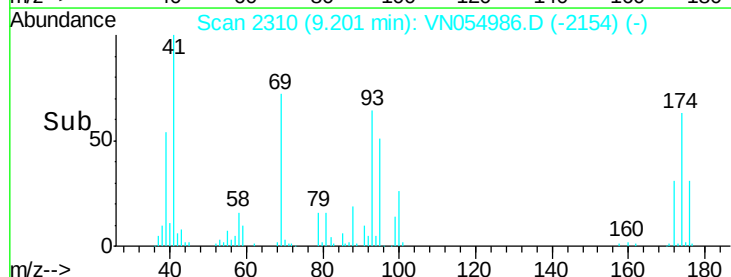
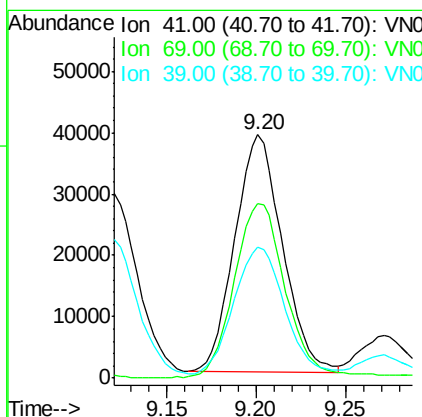
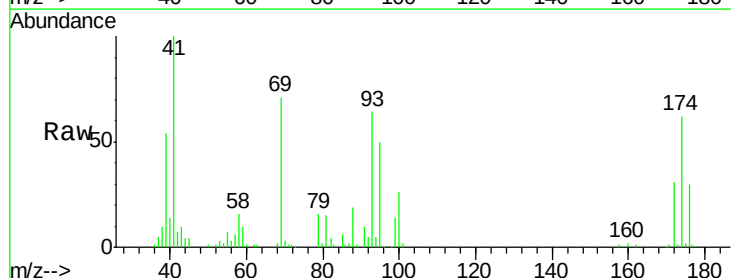
Manual Integrations
 APPROVED

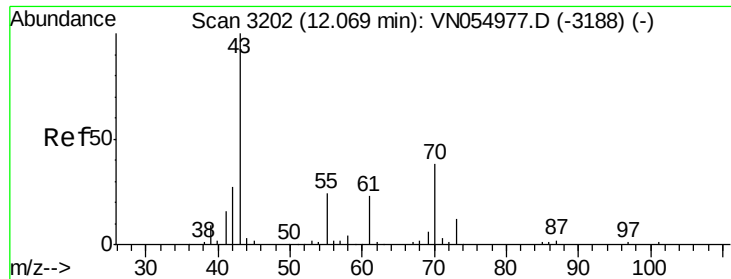
MMDadoda
 4/12/2019 1:41:53 PM



#46
 Methyl methacrylate
 Concen: 19.256 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN054986.D
 Acq: 11 Apr 2019 19:23

Tgt Ion	41	Resp	72381
Ion Ratio	Lower	Upper	
41	100		
69	72.8	37.3	111.9
39	53.4	29.4	88.2





#47

n-amvl Acetate

Concen: 19.088 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054986.D

Acq: 11 Apr 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

VN0411WBS01

Tot Ion: 43 Resp: 102155

Ion Ratio Lower Upper

43 100

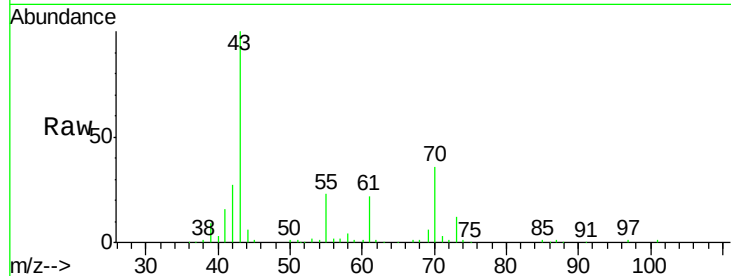
55 24.3 19.8 29.6

Manual Integrations

APPROVED

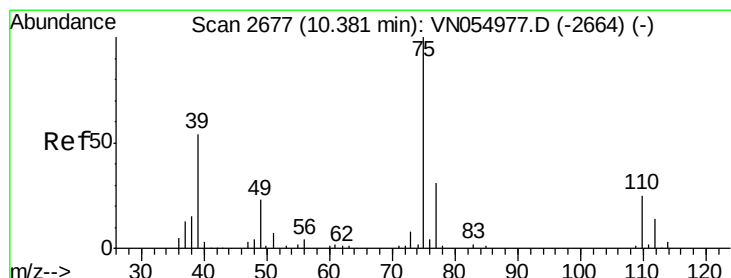
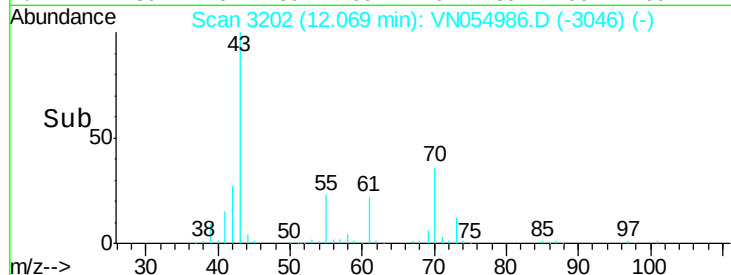
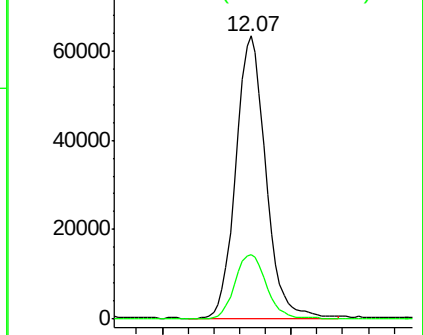
MMDadoda

4/12/2019 1:41:53 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 18.606 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054986.D

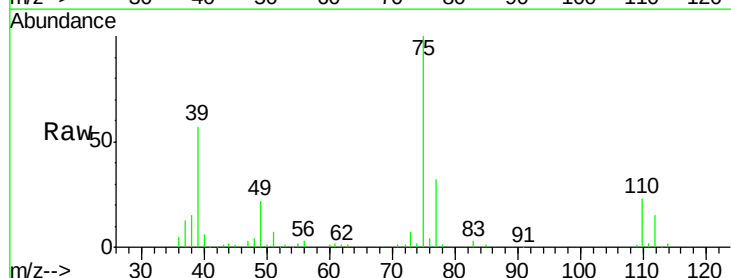
Acq: 11 Apr 2019 19:23

Tgt Ion: 75 Resp: 103410

Ion Ratio Lower Upper

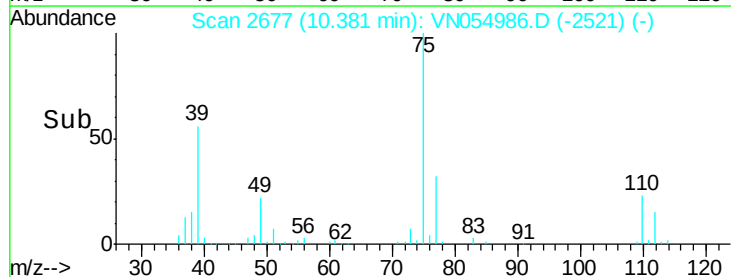
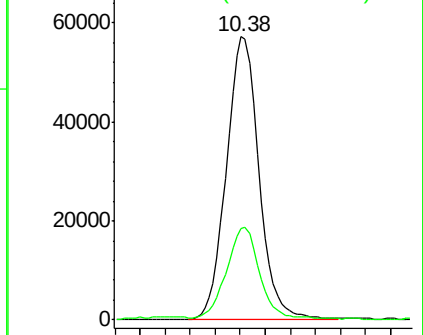
75 100

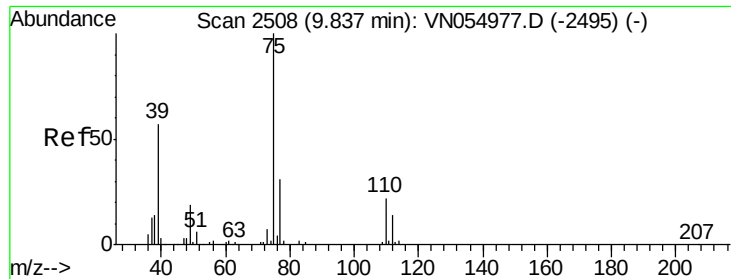
77 32.0 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





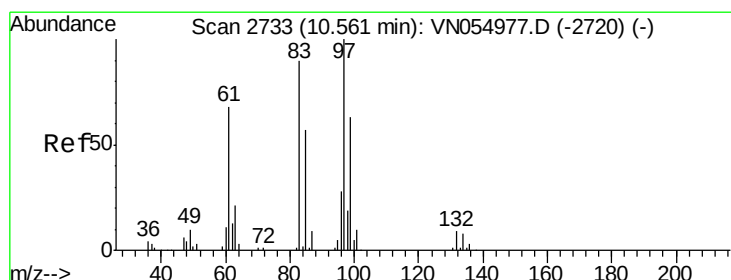
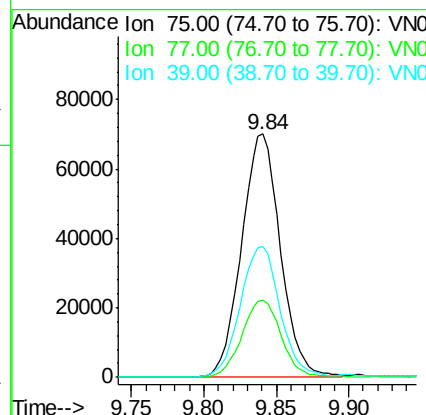
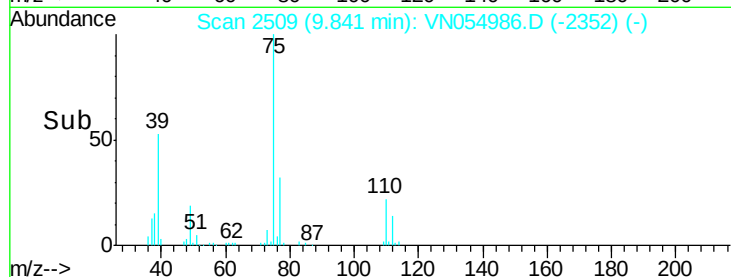
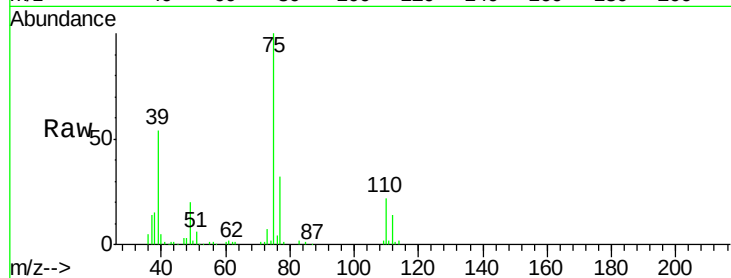
#49
 cis-1,3-Dichloropropene
 Concen: 19.081 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN054986.D
 Acq: 11 Apr 2019 19:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0411WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.7	37.1
39	53.6	45.3	67.9

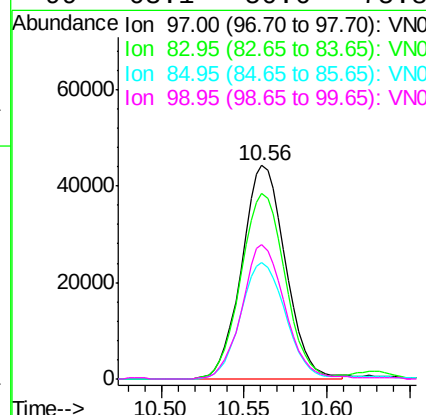
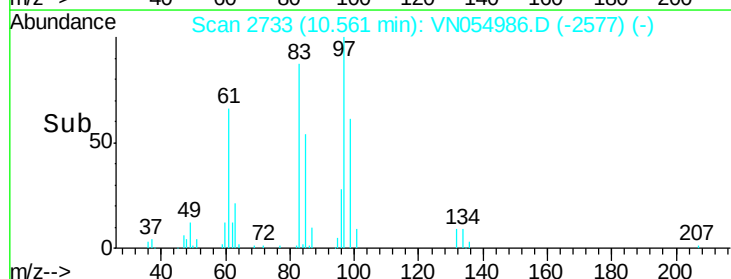
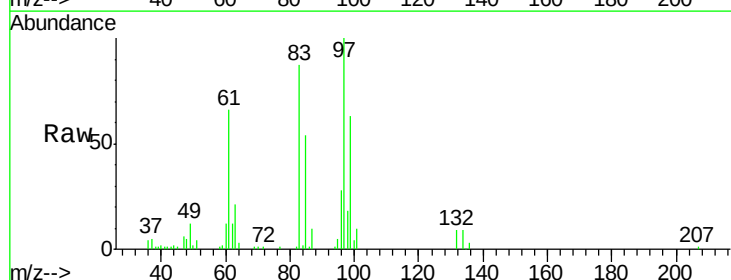
Manual Integrations
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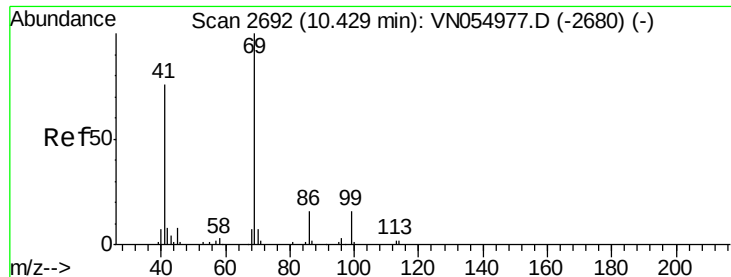
MMDadoda
 4/12/2019 1:41:53 PM



#50
 1,1,2-Trichloroethane
 Concen: 20.408 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054986.D
 Acq: 11 Apr 2019 19:23

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.6	72.1	108.1
85	54.4	45.4	68.0
99	63.1	50.6	75.8





#51

Ethyl methacrylate

Concen: 19.510 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054986.D

Acq: 11 Apr 2019 19:23

Instrument :

MSVOA_N

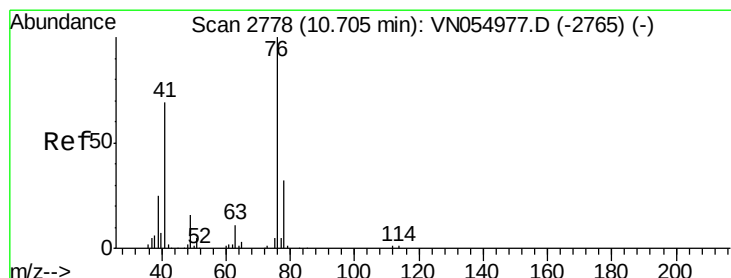
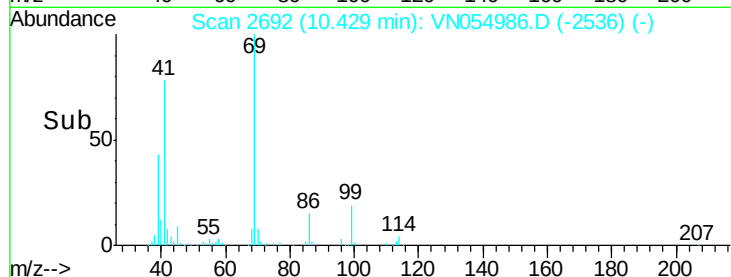
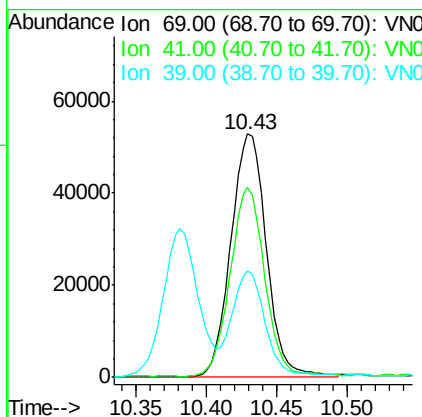
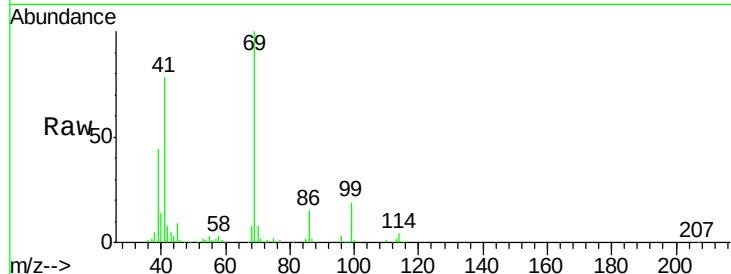
ClientSampleId :

VN0411WBS01

Tot Ion:	69	Resp:	92631
Ion Ratio	Lower	Upper	
69	100		
41	77.9	37.9	113.7
39	43.1	19.8	59.4

Manual Integrations
APPROVED

MMDadoda
4/12/2019 1:41:53 PM



#52

1,3-Dichloropropane

Concen: 20.403 ug/l

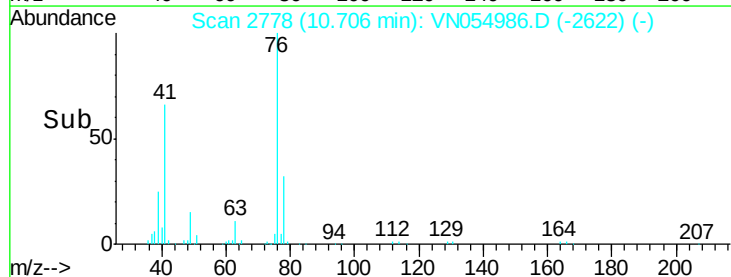
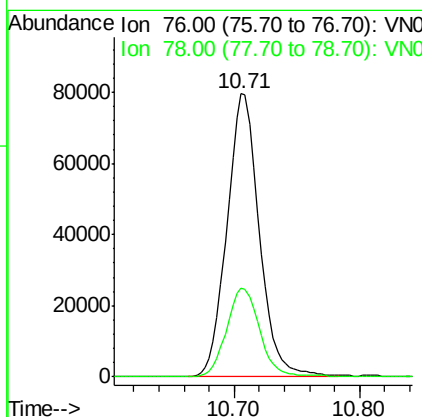
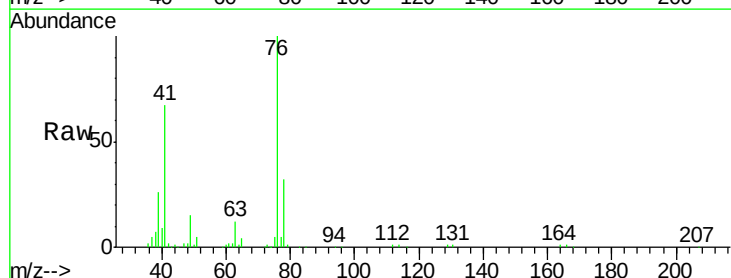
RT: 10.71 min Scan# 2778

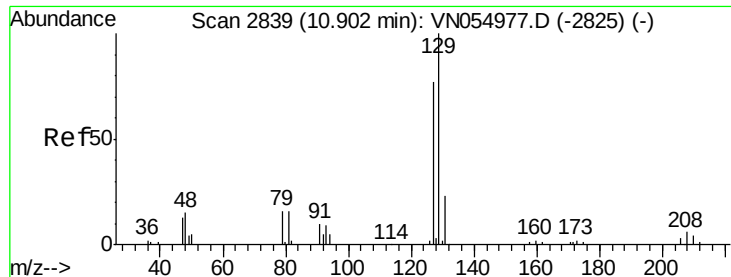
Delta R.T. 0.00 min

Lab File: VN054986.D

Acq: 11 Apr 2019 19:23

Tgt Ion:	76	Resp:	142399
Ion Ratio	Lower	Upper	
76	100		
78	32.1	0.0	64.4





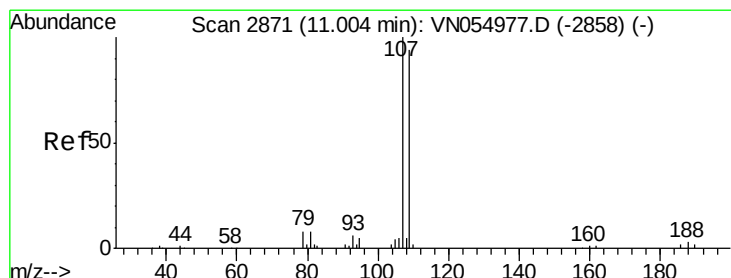
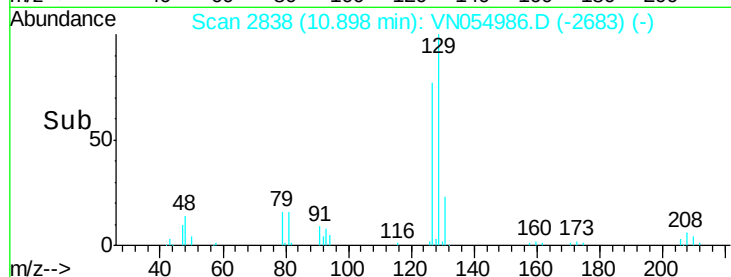
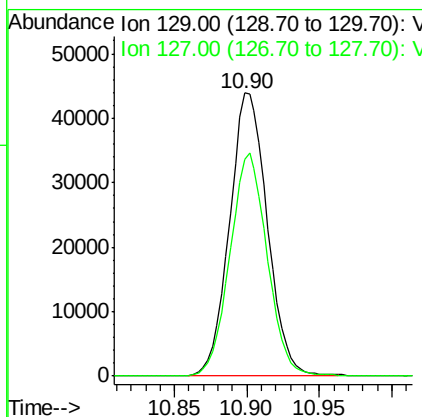
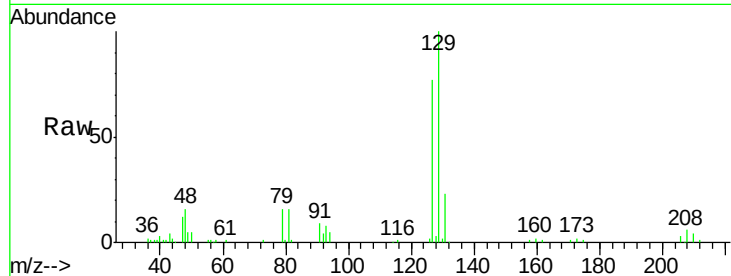
#53
Dibromochloromethane
Concen: 19.431 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN054986.D
Acq: 11 Apr 2019 19:23

Instrument :
MSVOA_N
ClientSampleId :
VN0411WBS01

Tot Ion:129 Resp: 79720
Ion Ratio Lower Upper
129 100
127 77.6 37.8 113.3

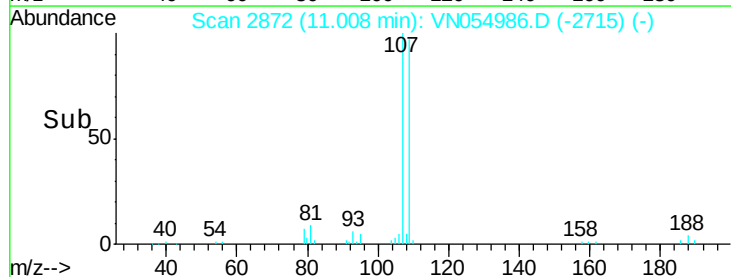
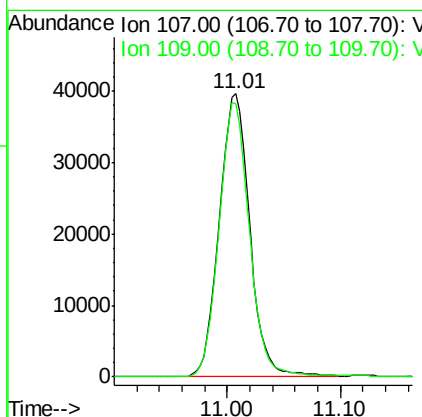
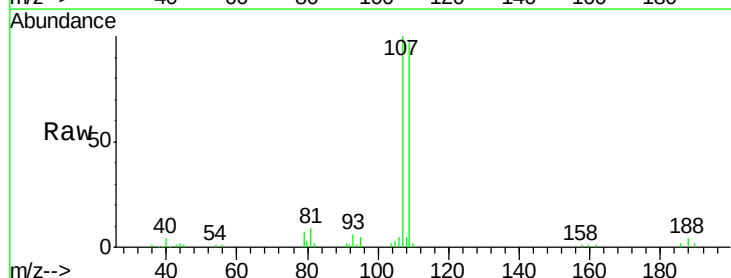
Manual Integrations
APPROVED

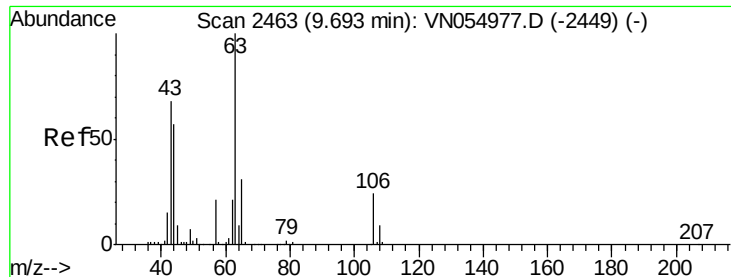
MMDadoda
4/12/2019 1:41:53 PM



#54
1,2-Dibromoethane
Concen: 19.945 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN054986.D
Acq: 11 Apr 2019 19:23

Tgt Ion:107 Resp: 74578
Ion Ratio Lower Upper
107 100
109 95.8 76.2 114.2





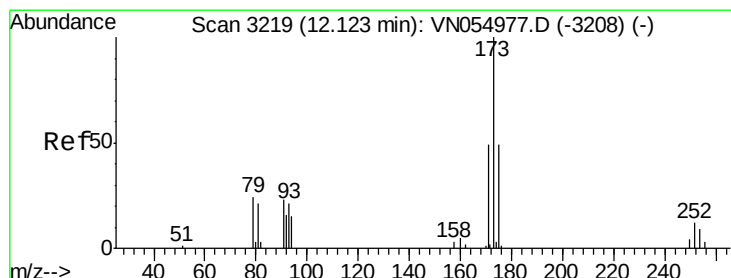
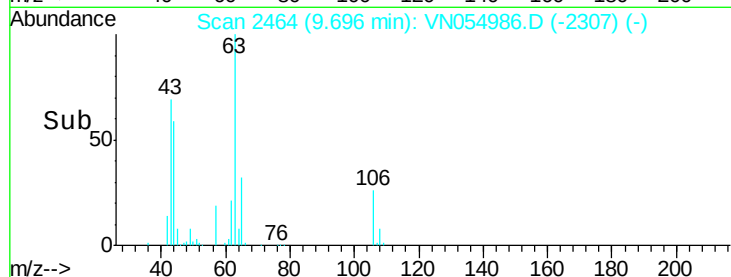
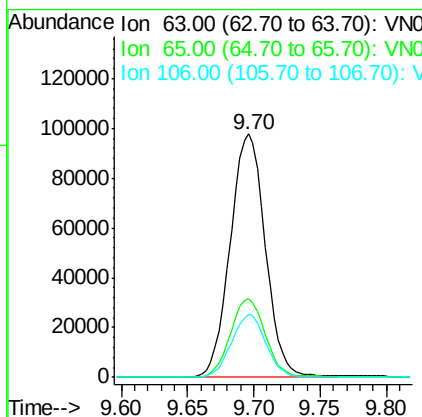
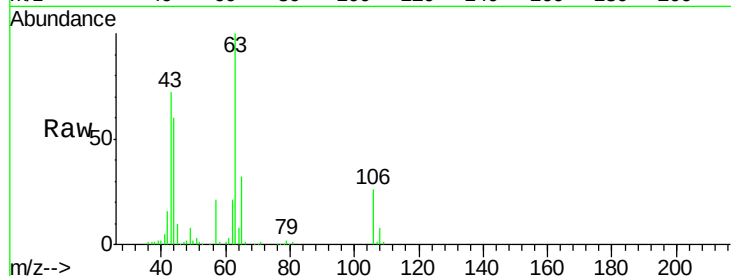
#55
2-Chloroethyl vinyl ether
Concen: 90.681 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN054986.D
Acq: 11 Apr 2019 19:23

Instrument :
MSVOA_N
ClientSampleId :
VN0411WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.0	25.4	38.0
106	25.1	19.8	29.6

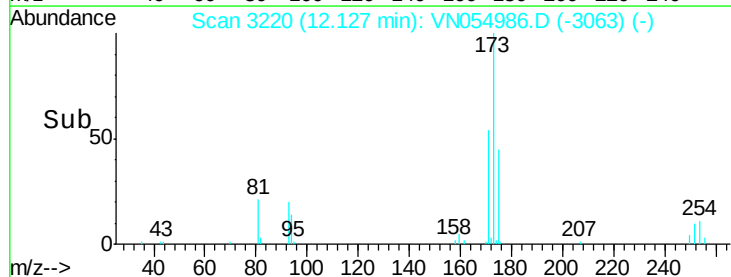
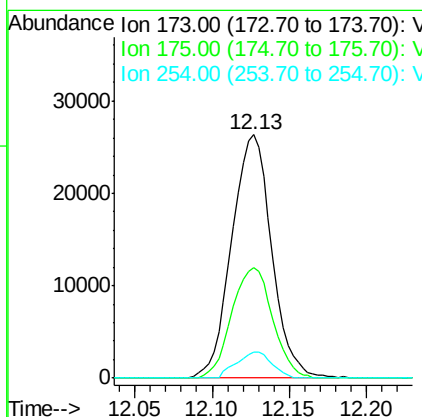
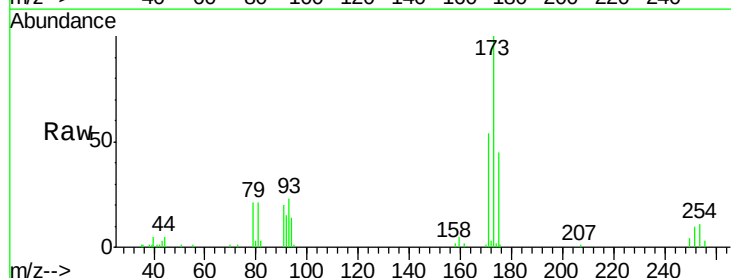
Manual Integrations
APPROVED

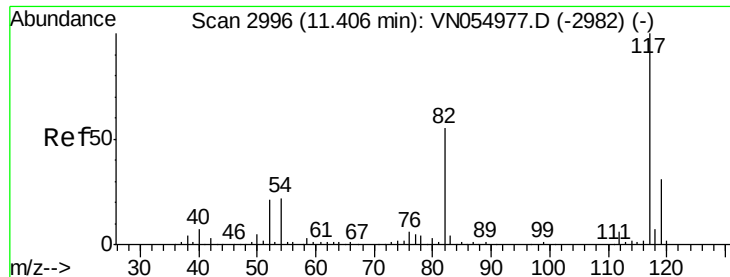
MMDadoda
4/12/2019 1:41:53 PM



#56
Bromoform
Concen: 18.339 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054986.D
Acq: 11 Apr 2019 19:23

Tgt Ion	Ratio	Lower	Upper
173	100		
175	46.4	38.6	57.8
254	9.5	6.8	10.2





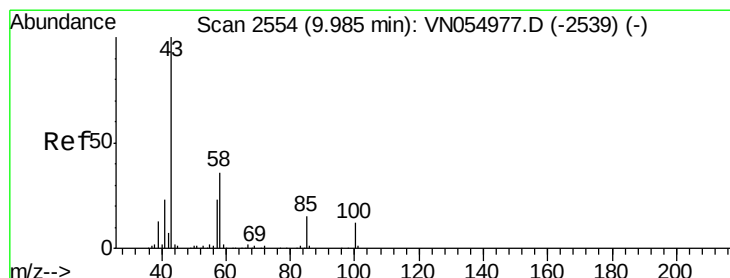
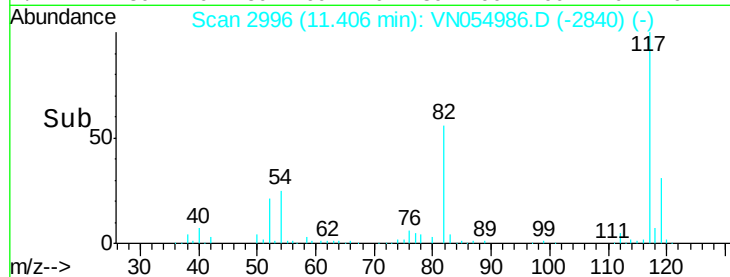
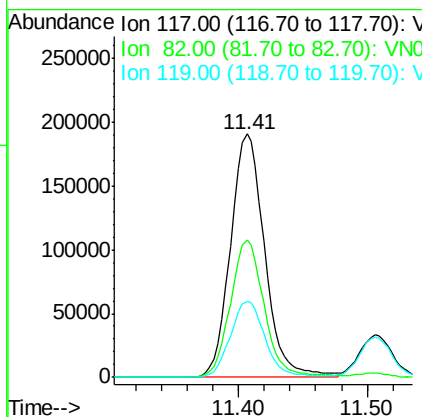
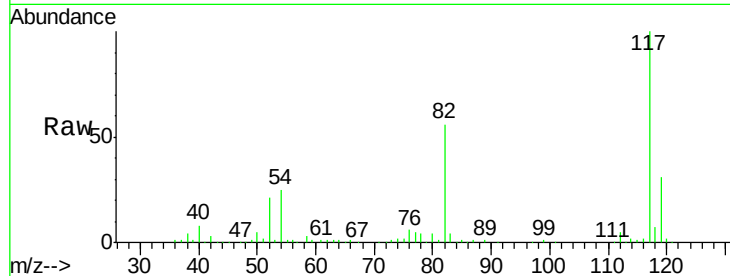
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054986.D
Acq: 11 Apr 2019 19:23

Instrument :
MSVOA_N
ClientSampleId :
VN0411WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	45.2	67.8
119	31.8	25.4	38.2

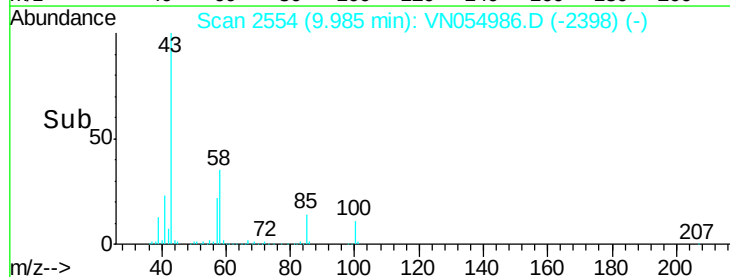
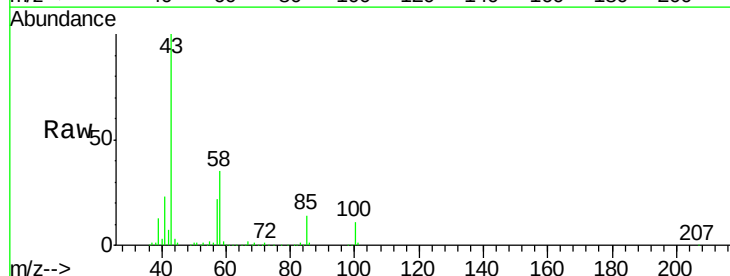
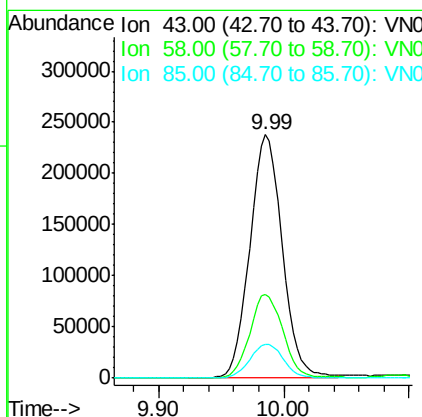
Manual Integrations
APPROVED

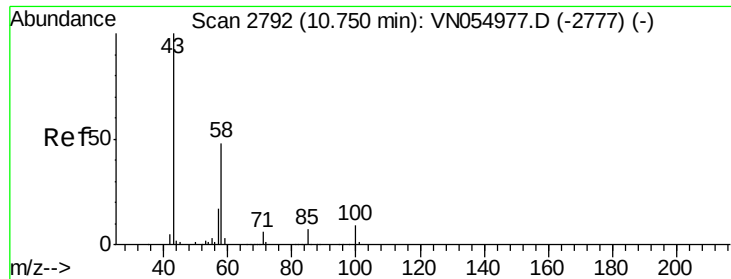
MMDadoda
4/12/2019 1:41:53 PM



#58
4-Methyl-2-Pentanone
Concen: 105.367 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN054986.D
Acq: 11 Apr 2019 19:23

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.4	28.7	43.1
85	14.6	11.8	17.6





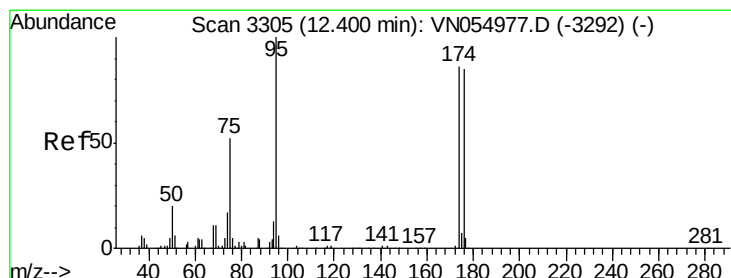
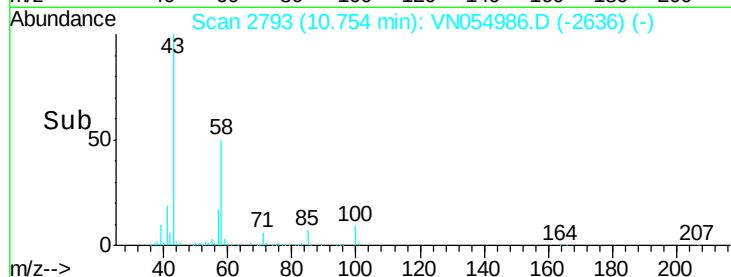
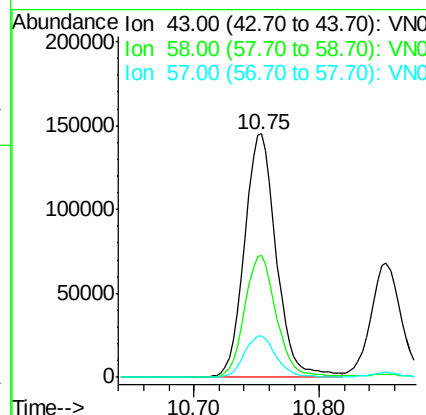
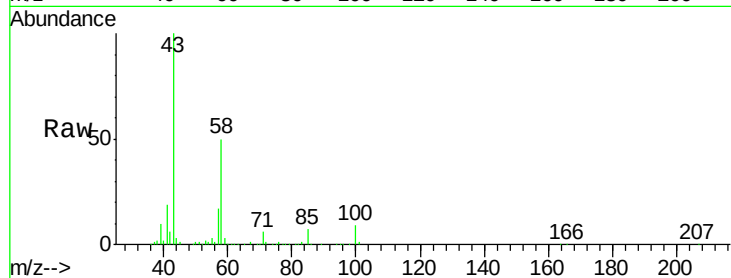
#59
2-Hexanone
Concen: 98.912 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054986.D
Acq: 11 Apr 2019 19:23

Instrument :
MSVOA_N
ClientSampleId :
VN0411WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.9	38.8	58.2
57	17.3	13.8	20.6

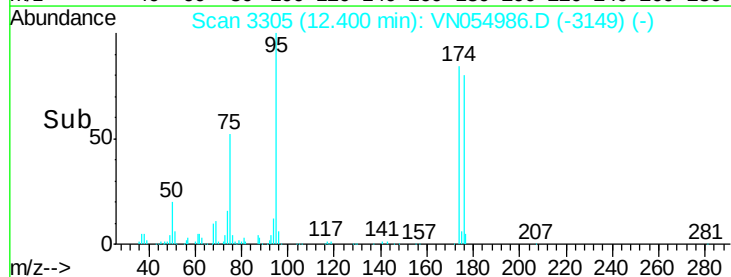
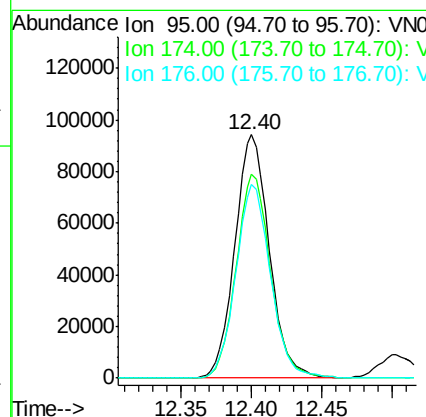
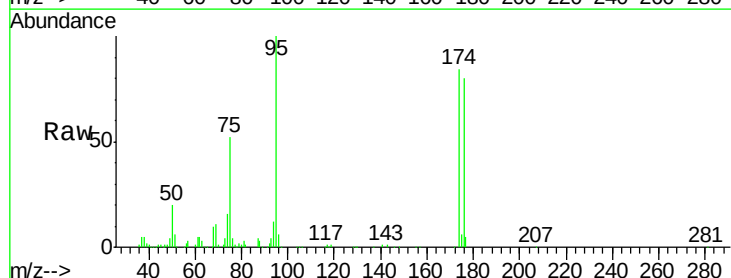
Manual Integrations
APPROVED

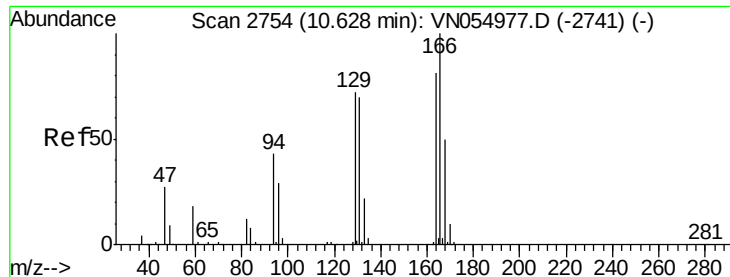
MMDadoda
4/12/2019 1:41:53 PM



#60
4-Bromofluorobenzene
Concen: 98.912 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054986.D
Acq: 11 Apr 2019 19:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.7	69.4	104.2
176	80.1	67.4	101.2





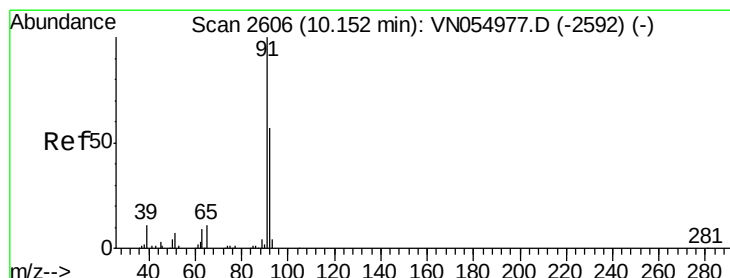
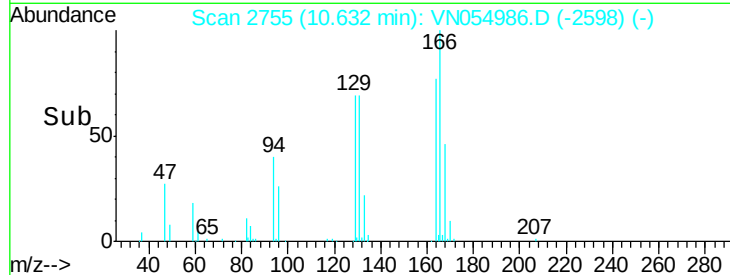
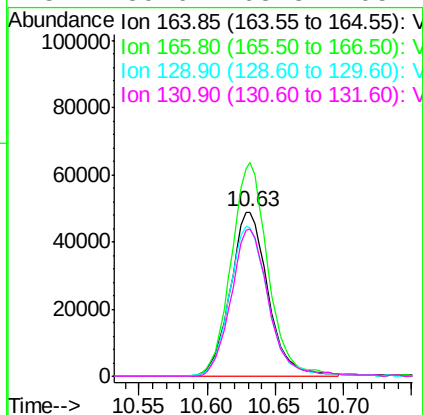
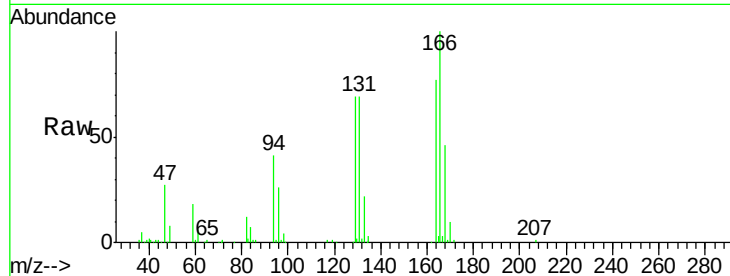
#61
Tetrachloroethene
Concen: 20.441 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054986.D
Acq: 11 Apr 2019 19:23

Instrument :
MSVOA_N
ClientSampleId :
VN0411WBS01

Tot Ion	Ratio	Lower	Upper
164	100		
166	130.0	99.0	148.4
129	90.1	71.4	107.0
131	89.6	68.8	103.2

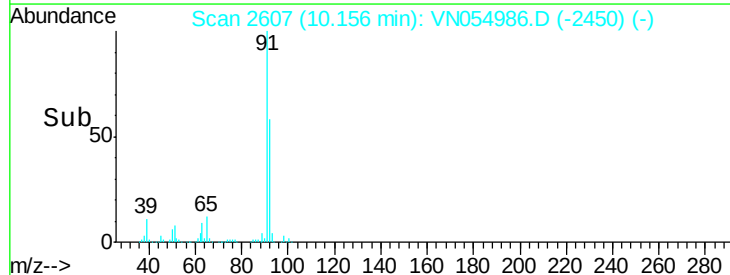
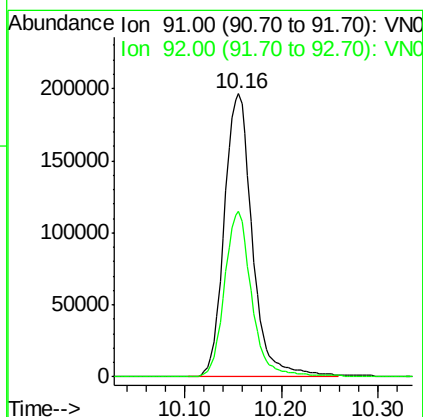
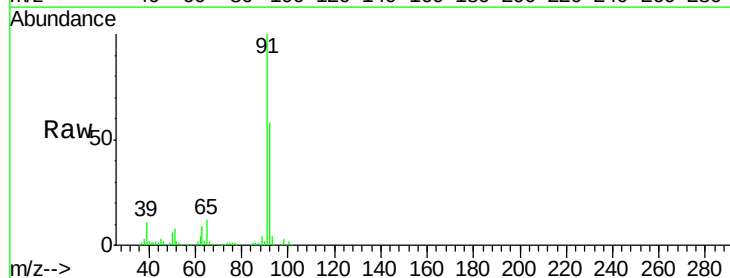
Manual Integrations
APPROVED

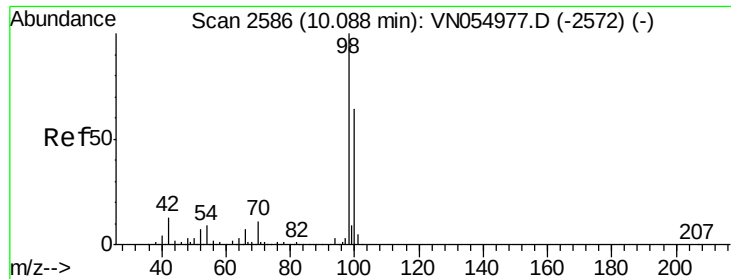
MMDadoda
4/12/2019 1:41:53 PM



#62
Toluene
Concen: 20.489 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN054986.D
Acq: 11 Apr 2019 19:23

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.8	44.8	67.2





#63

Toluene-d8

Concen: 20.489 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054986.D

Acq: 11 Apr 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

VN0411WBS01

Tot Ion: 98 Resp: 510987

Ion Ratio Lower Upper

98 100

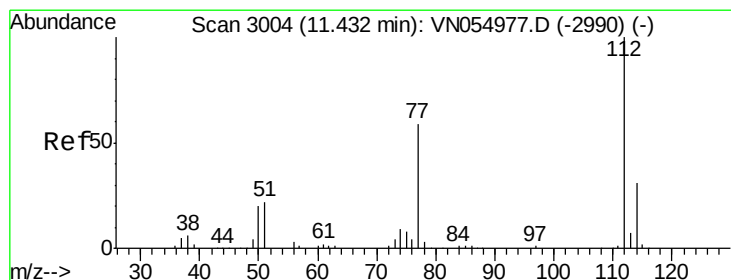
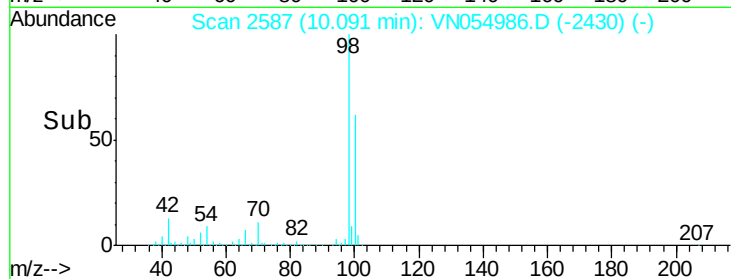
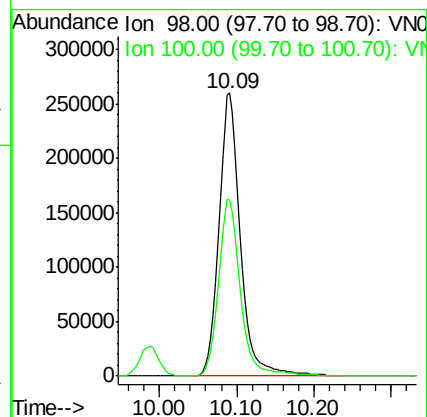
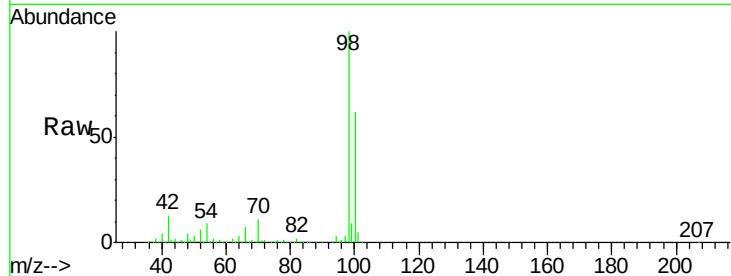
100 63.1 51.1 76.7

Manual Integrations

APPROVED

MMDadoda

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#64

Chlorobenzene

Concen: 19.854 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054986.D

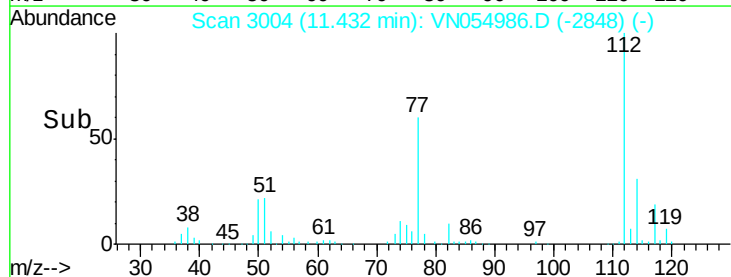
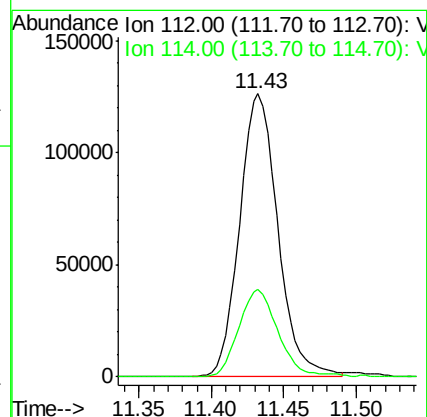
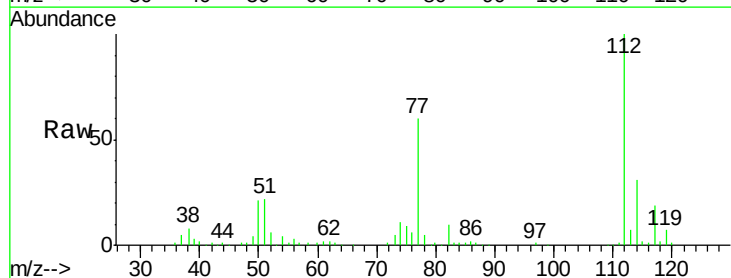
Acq: 11 Apr 2019 19:23

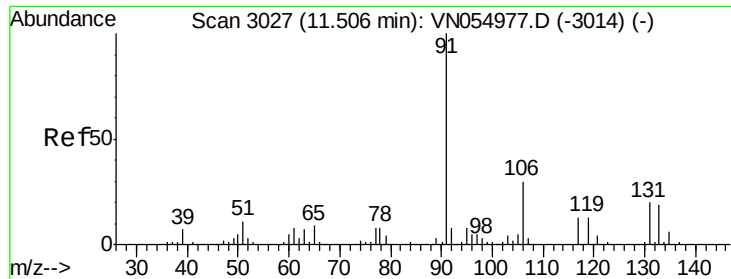
Tgt Ion: 112 Resp: 232367

Ion Ratio Lower Upper

112 100

114 31.1 25.1 37.7





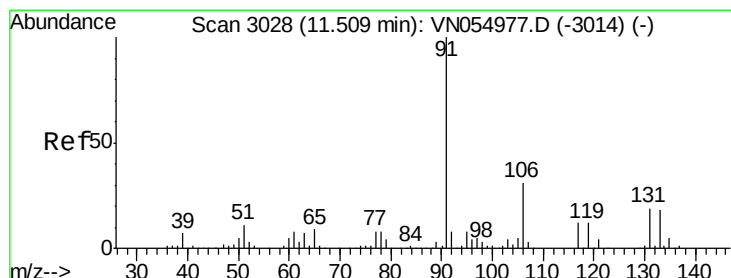
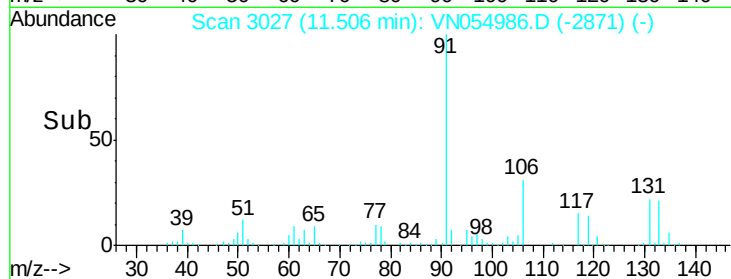
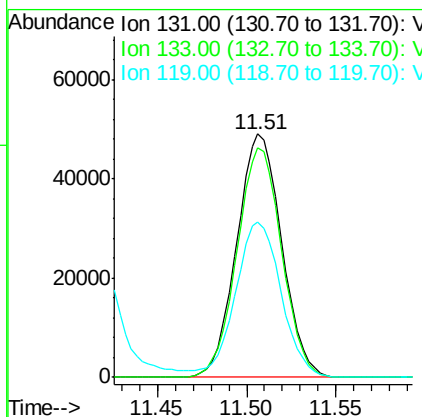
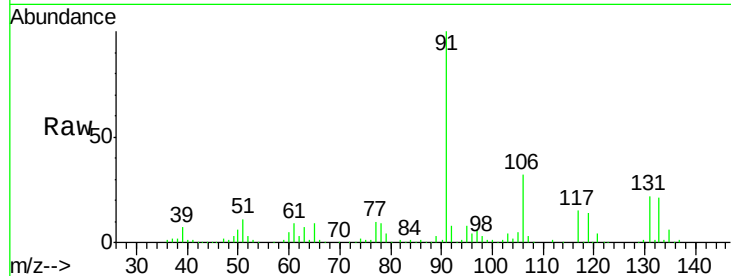
#65
 1,1,1,2-Tetrachloroethane
 Concen: 20.704 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. 0.00 min
 Lab File: VN054986.D
 Acq: 11 Apr 2019 19:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0411WBS01

Tot Ion	Ratio	Lower	Upper
131	100		
133	93.7	0.0	187.8
119	64.7	0.0	131.4

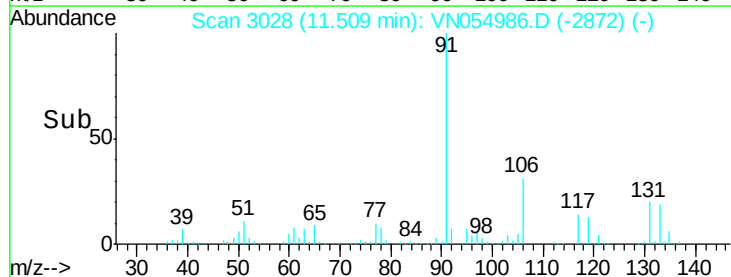
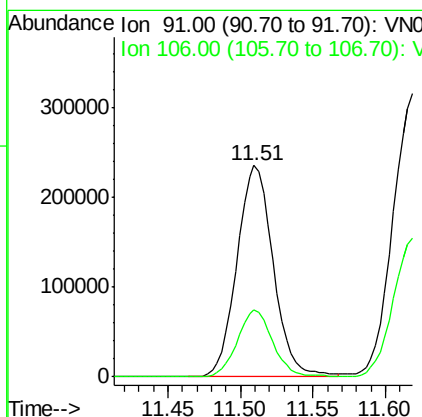
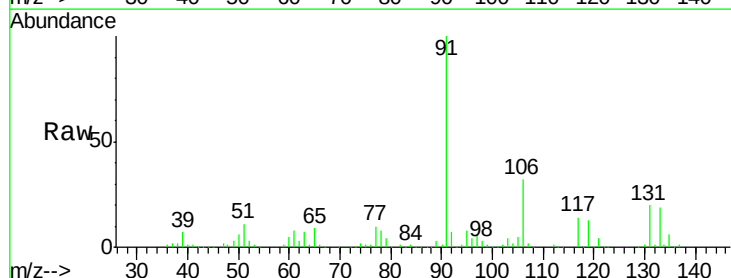
Manual Integrations
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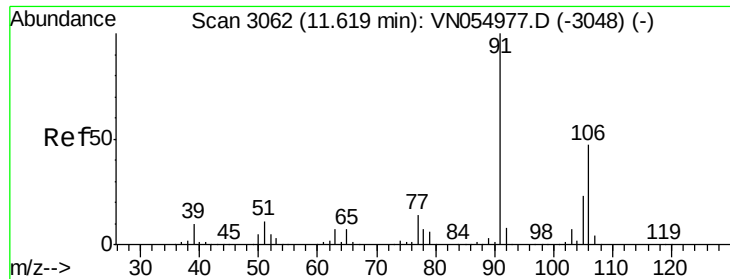
MMDadoda
 4/12/2019 1:41:53 PM



#66
 Ethyl Benzene
 Concen: 19.822 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN054986.D
 Acq: 11 Apr 2019 19:23

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.9	24.6	36.8





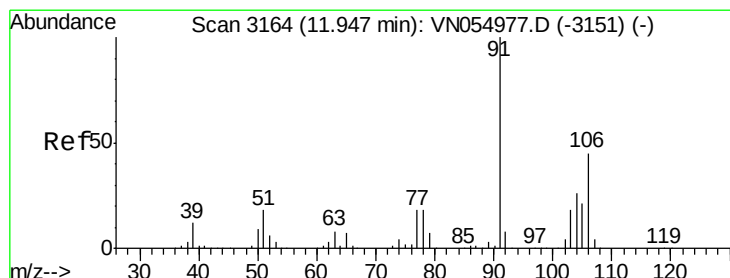
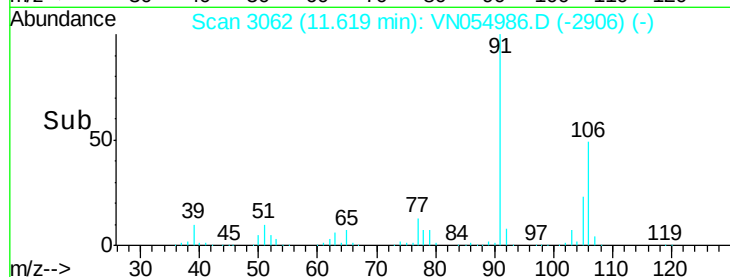
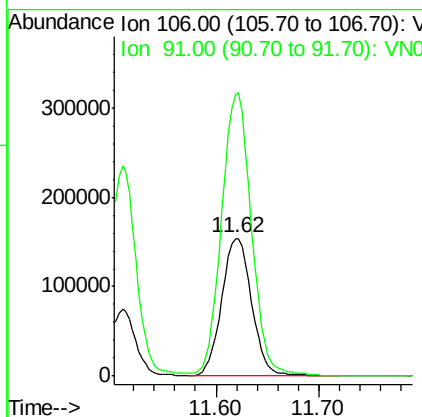
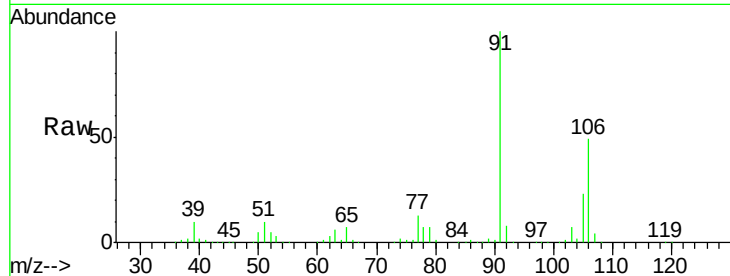
#67
m/p-Xylenes
Concen: 40.612 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN054986.D
Acq: 11 Apr 2019 19:23

Instrument :
MSVOA_N
ClientSampleId :
VN0411WBS01

Tot Ion:106 Resp: 313713
Ion Ratio Lower Upper
106 100
91 204.5 167.4 251.2

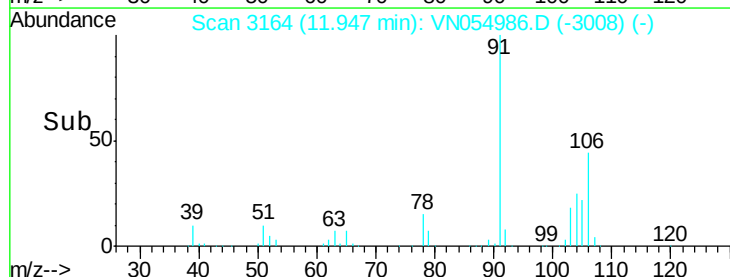
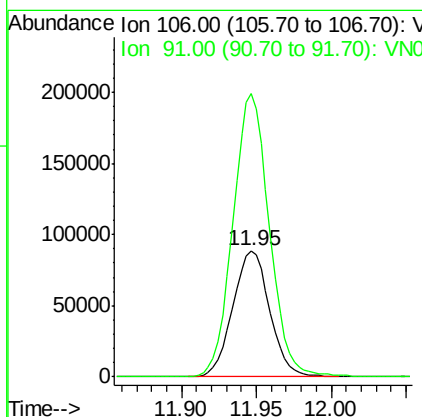
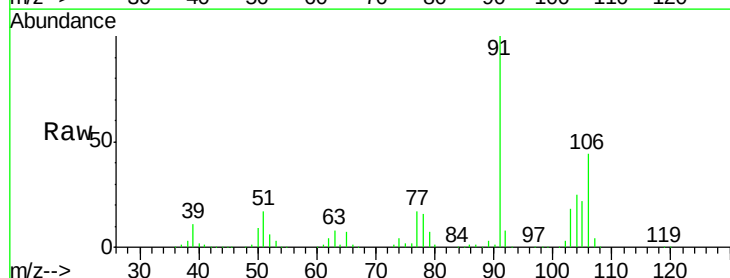
Manual Integrations
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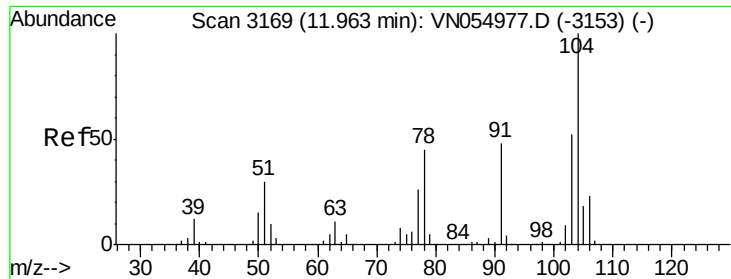
MMDadoda
4/12/2019 1:41:53 PM



#68
o-Xylene
Concen: 19.959 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054986.D
Acq: 11 Apr 2019 19:23

Tgt Ion:106 Resp: 152365
Ion Ratio Lower Upper
106 100
91 221.5 110.3 330.8





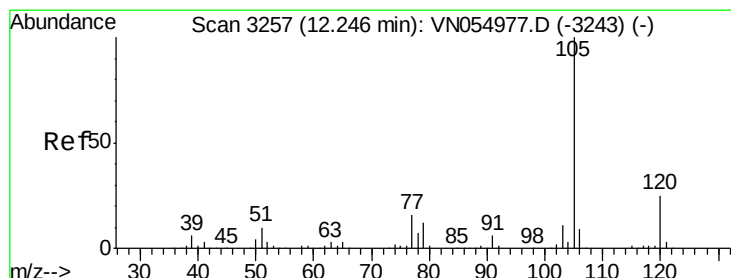
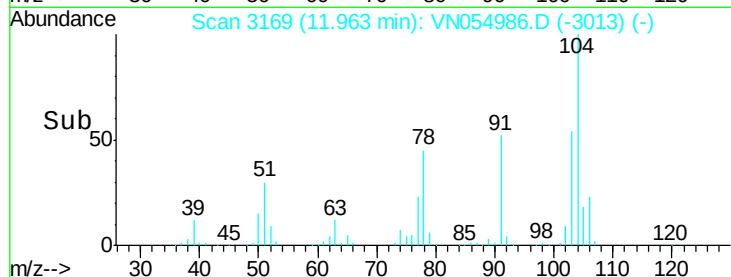
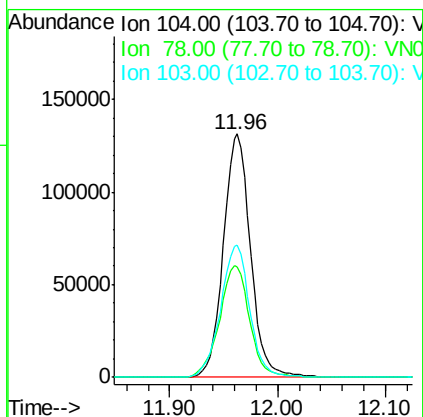
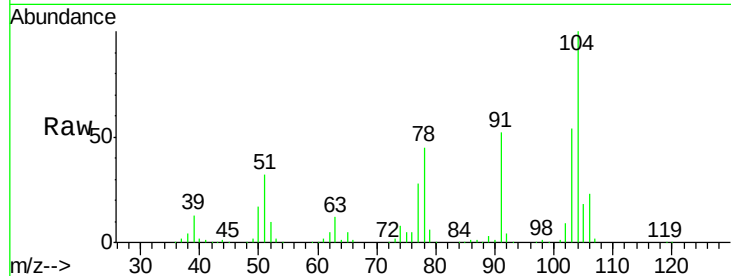
#69
Stvrene
Concen: 19.429 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054986.D
Acq: 11 Apr 2019 19:23

Instrument :
MSVOA_N
ClientSampleId :
VN0411WBS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.8	41.2	61.8
103	58.3	44.6	67.0

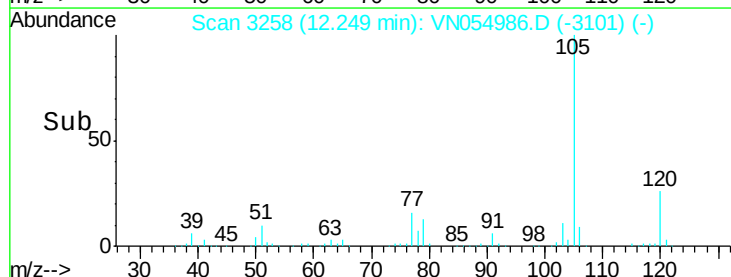
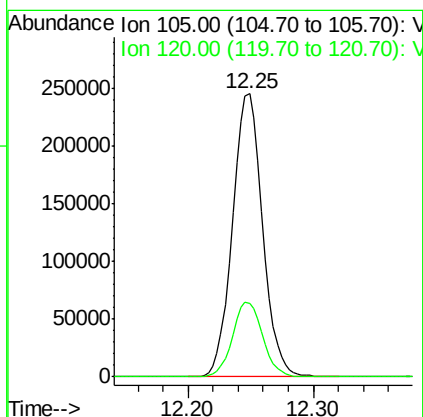
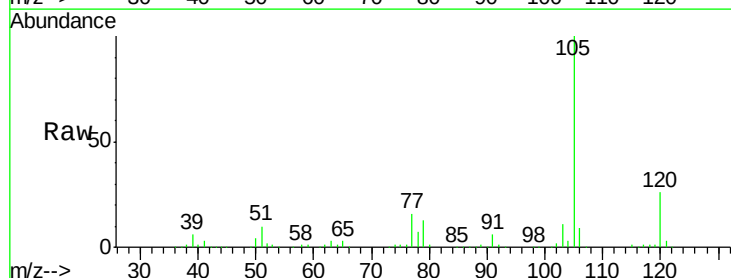
Manual Integrations
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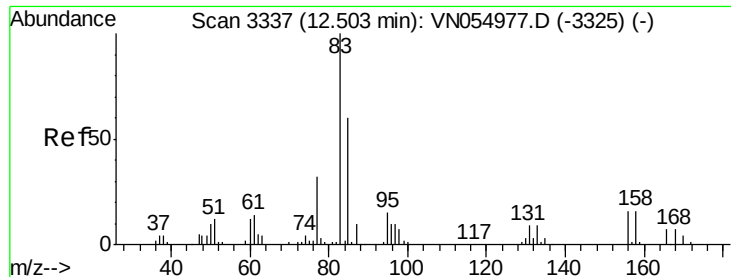
MMDadoda
4/12/2019 1:41:53 PM



#70
Isopropylbenzene
Concen: 20.021 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN054986.D
Acq: 11 Apr 2019 19:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	18.3	33.9





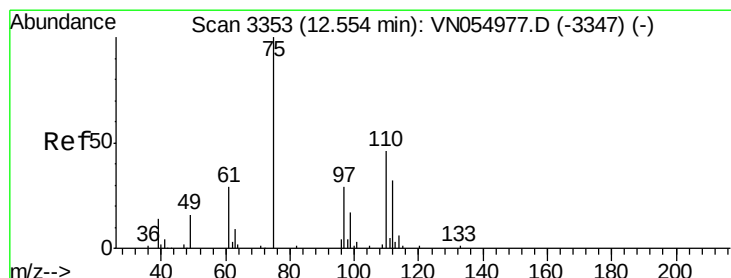
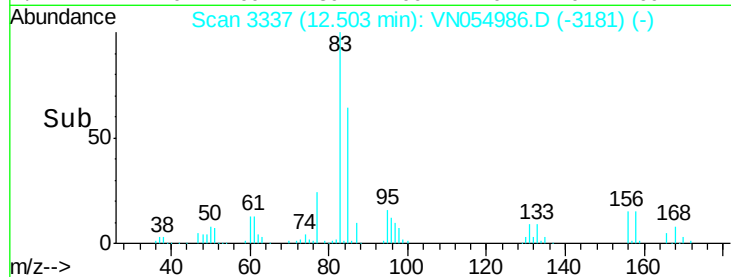
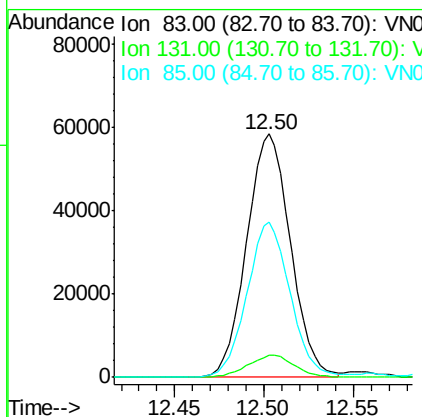
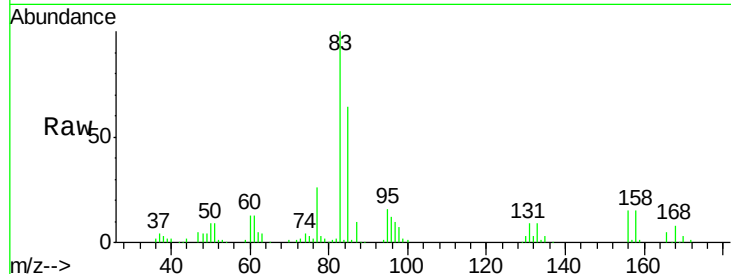
#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.574 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN054986.D
 Acq: 11 Apr 2019 19:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0411WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	9.8	4.6	13.8	
85	62.4	30.9	92.5	

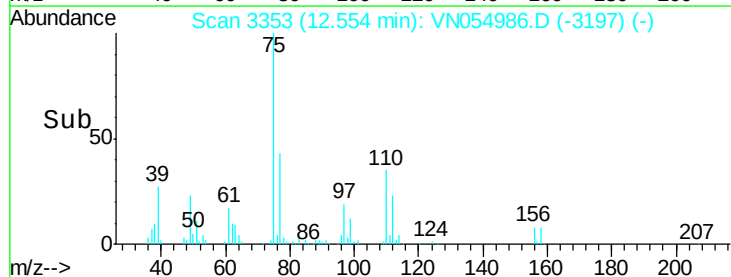
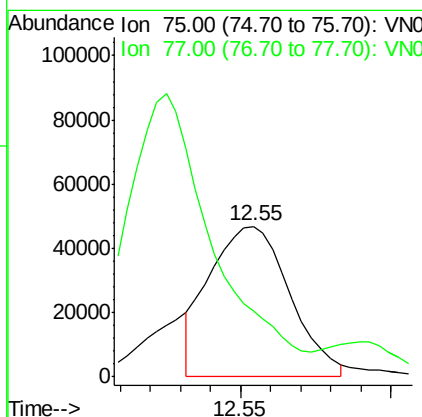
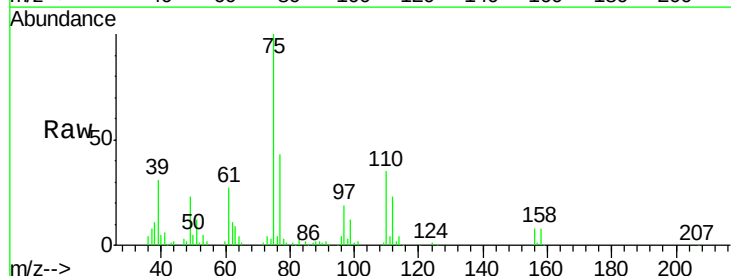
Manual Integrations
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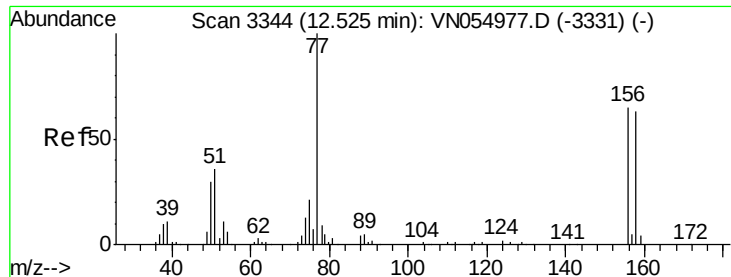
MMDadoda
 4/12/2019 1:41:53 PM



#72
 1,2,3-Trichloropropane
 Concen: 22.655 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN054986.D
 Acq: 11 Apr 2019 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	206.5	0.0	466.6	





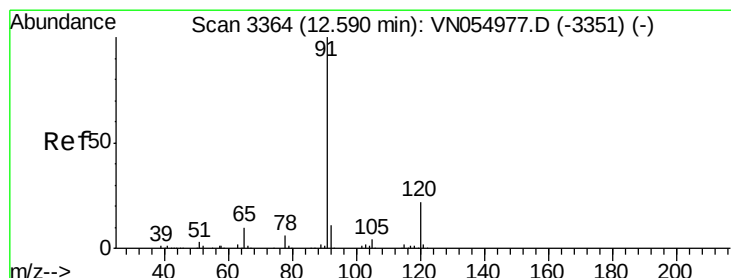
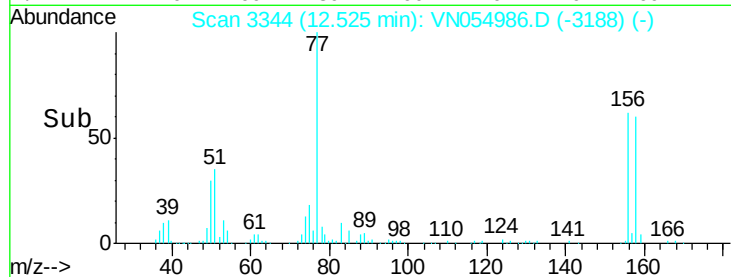
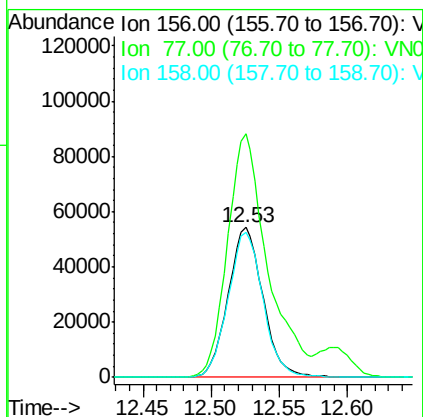
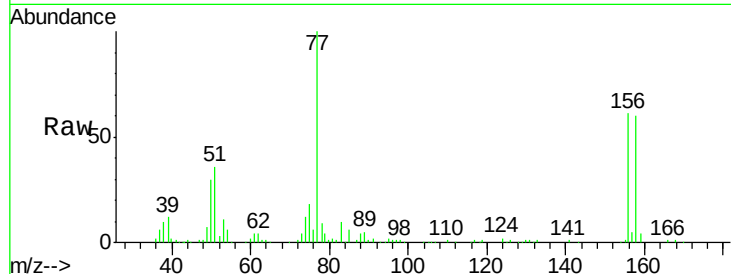
#73
Bromobenzene
Concen: 20.000 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN054986.D
Acq: 11 Apr 2019 19:23

Instrument :
MSVOA_N
ClientSampleId :
VN0411WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	186.9	0.0	383.2		
158	96.7	0.0	193.8		

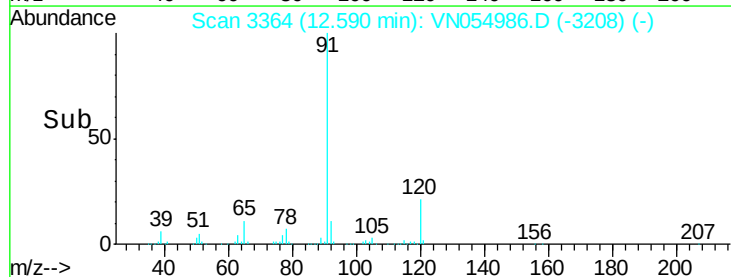
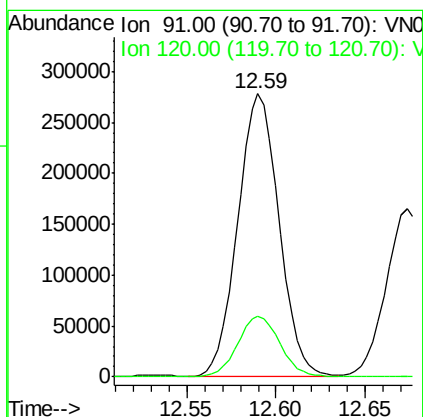
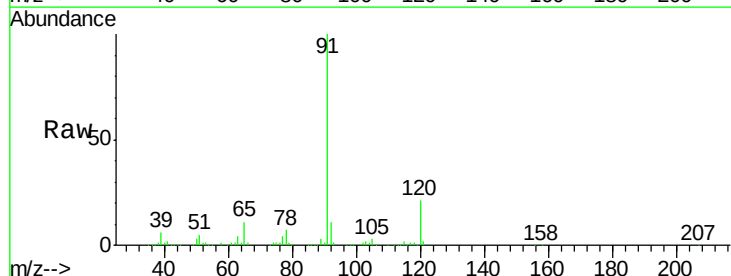
Manual Integrations
APPROVED

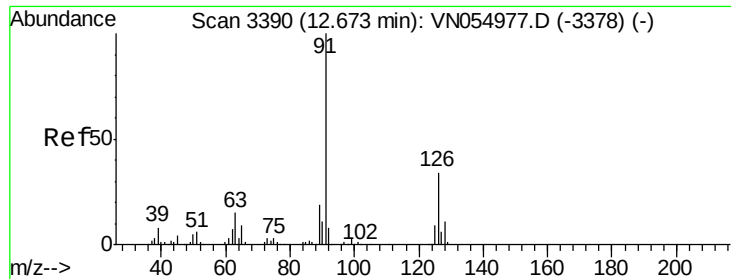
MMDadoda
4/12/2019 1:41:53 PM



#74
n-propylbenzene
Concen: 19.622 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN054986.D
Acq: 11 Apr 2019 19:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	21.9	0.0	44.4		





#75

2-Chlorotoluene

Concen: 20.056 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054986.D

Acq: 11 Apr 2019 19:23

Instrument :

MSVOA_N

ClientSampled :

VN0411WBS01

Tot Ion: 91 Resp: 276388

Ion Ratio Lower Upper

91 100

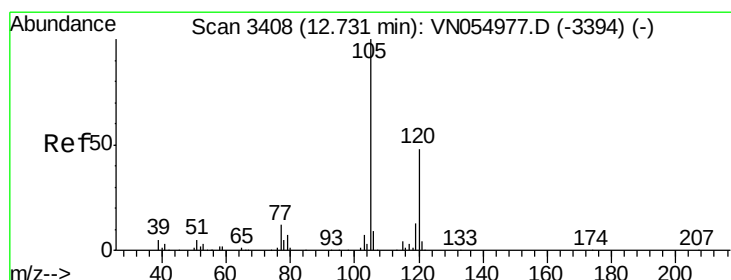
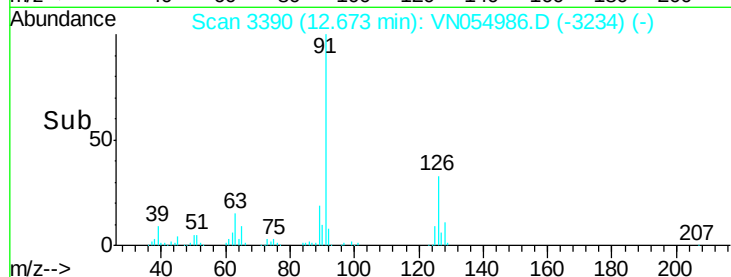
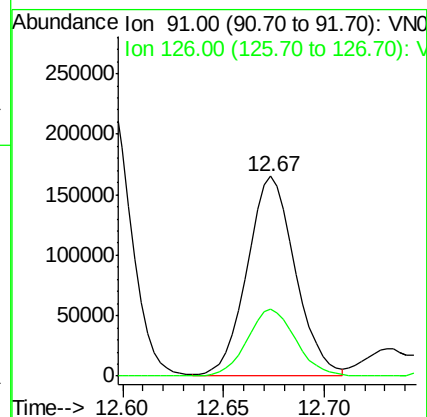
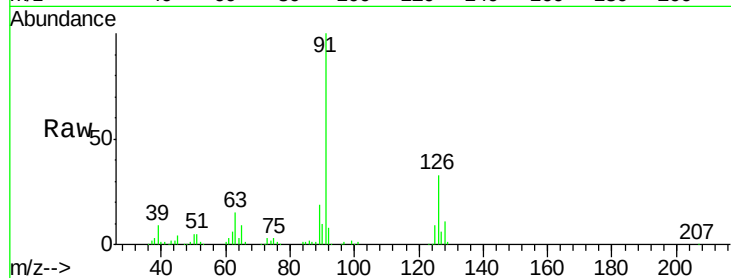
126 33.9 0.0 67.4

Manual Integrations

APPROVED

MMDadoda

4/12/2019 1:41:53 PM



#76

1,3,5-Trimethylbenzene

Concen: 19.680 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054986.D

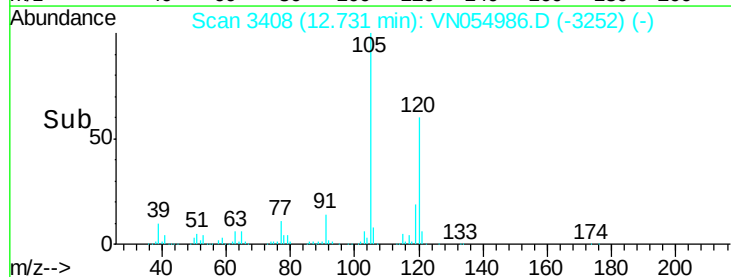
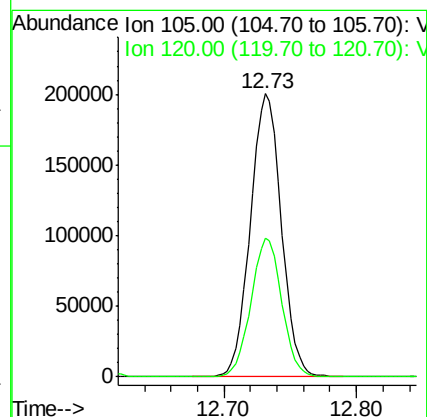
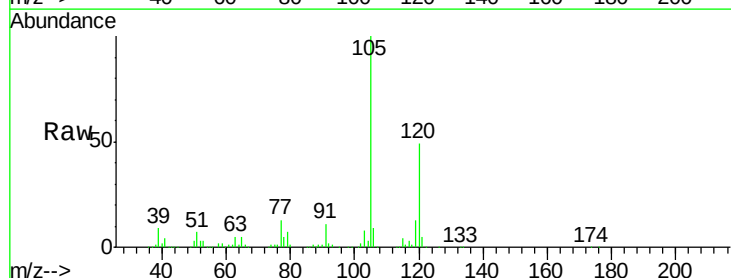
Acq: 11 Apr 2019 19:23

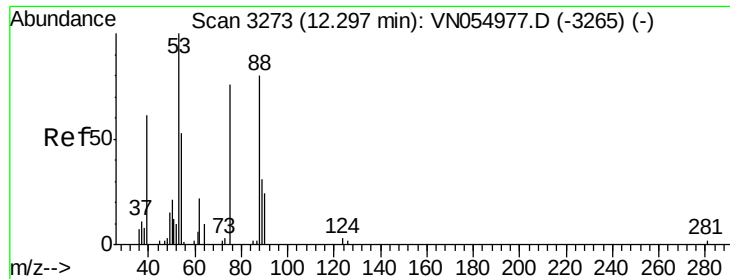
Tgt Ion: 105 Resp: 324732

Ion Ratio Lower Upper

105 100

120 48.6 0.0 94.8





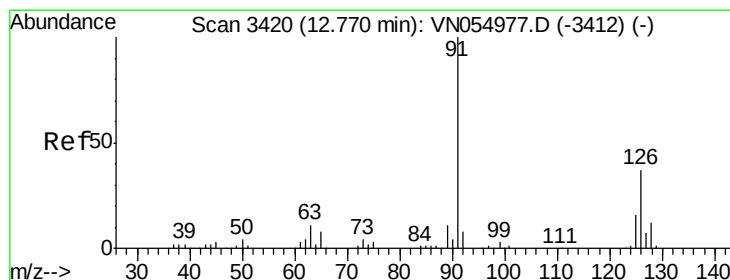
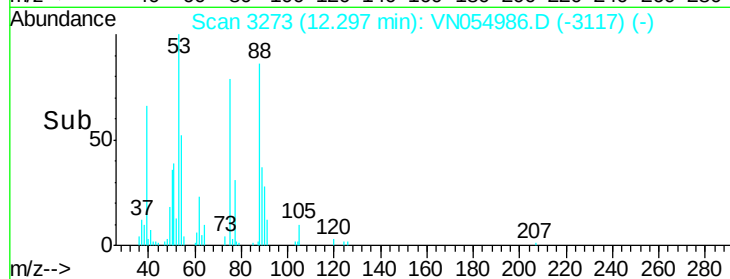
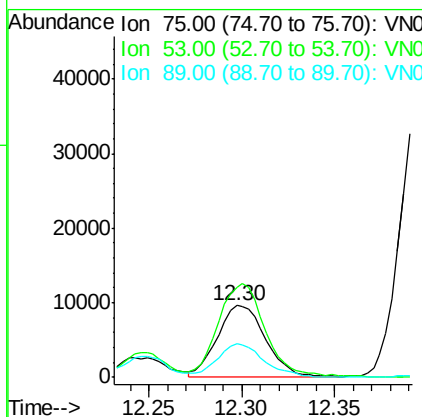
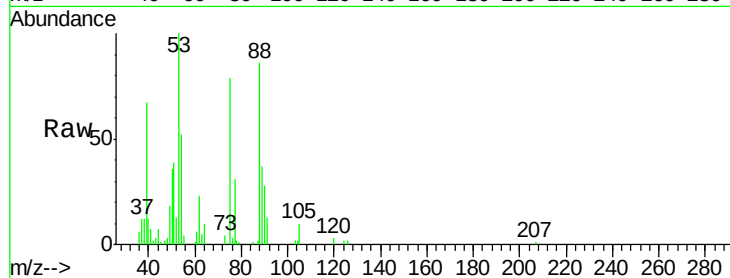
#77
t-1,4-Dichloro-2-butene
Concen: 18.015 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN054986.D
Acq: 11 Apr 2019 19:23

Instrument :
MSVOA_N
ClientSampleId :
VN0411WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	123.5	64.3	192.7
89	46.2	21.6	65.0

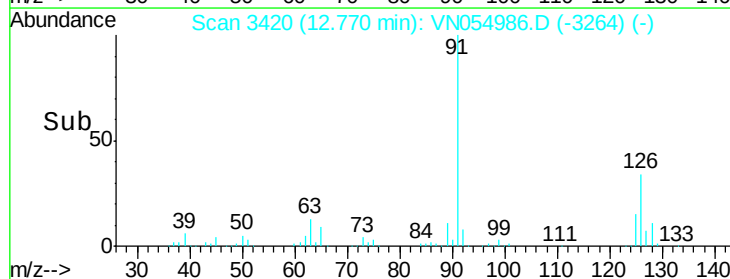
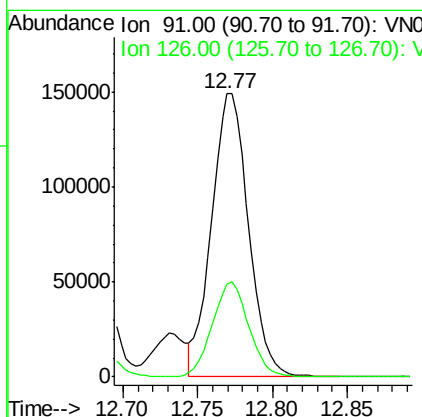
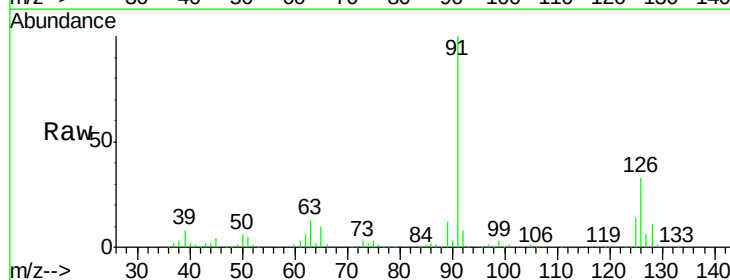
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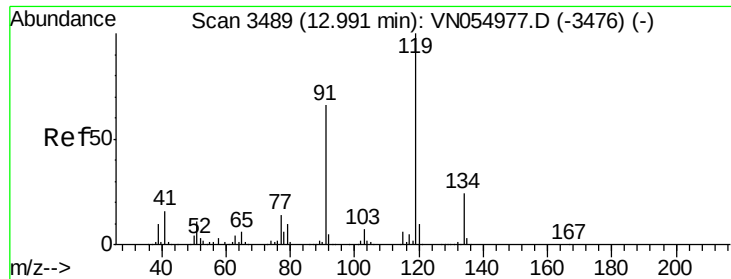
MMDadoda
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#78
4-Chlorotoluene
Concen: 19.440 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN054986.D
Acq: 11 Apr 2019 19:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.3	0.0	66.6





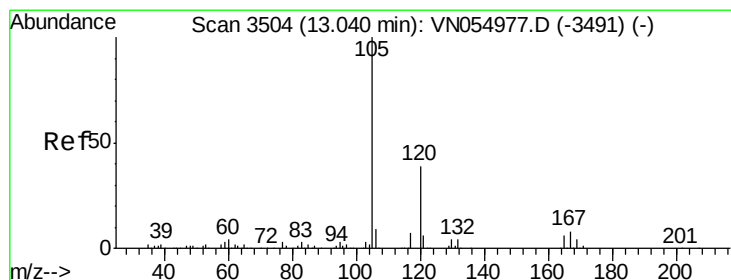
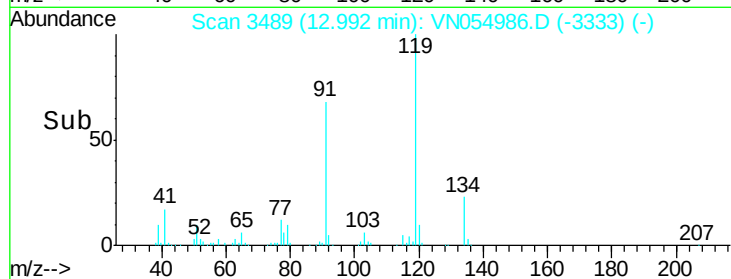
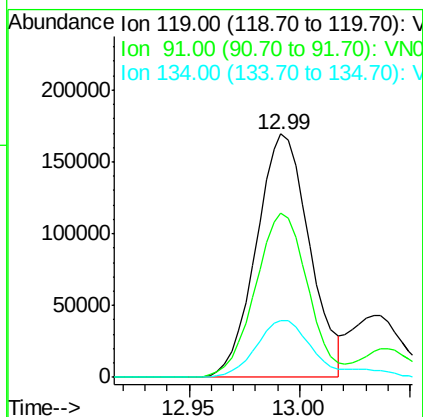
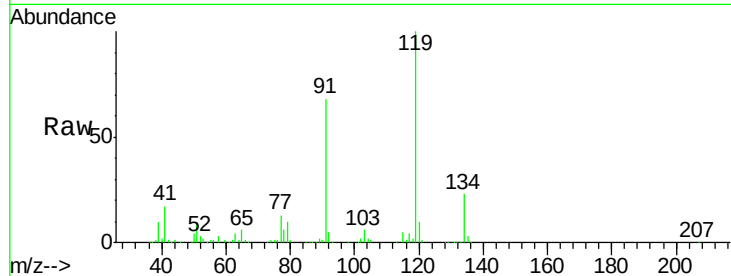
#79
 tert-butylbenzene
 Concen: 19.809 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN054986.D
 Acq: 11 Apr 2019 19:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0411WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	282828		
91	66.8		0.0	132.6
134	24.4		0.0	47.6

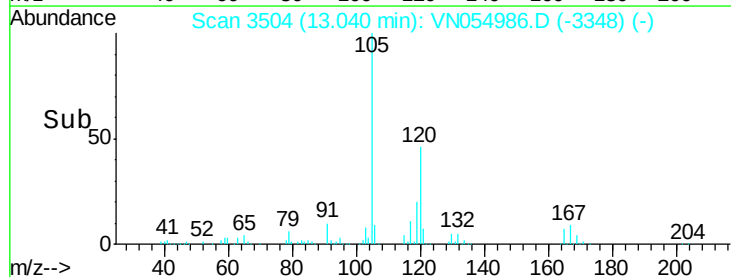
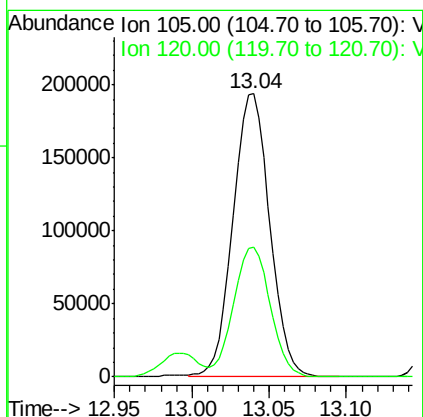
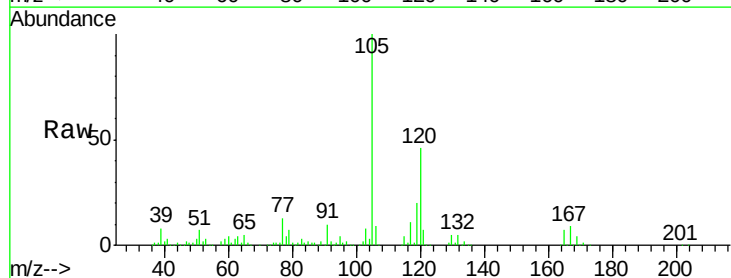
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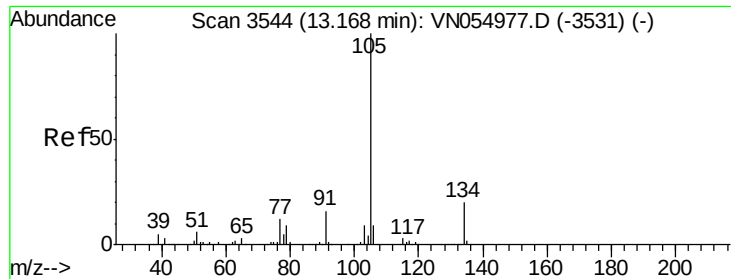
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#80
 1,2,4-Trimethylbenzene
 Concen: 19.681 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054986.D
 Acq: 11 Apr 2019 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	319043		
120	46.0		0.0	91.4





#81

sec-Butylbenzene

Concen: 19.621 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054986.D

Acq: 11 Apr 2019 19:23

Instrument :

MSVOA_N

ClientSampled :

VN0411WBS01

Tot Ion:105 Resp: 374322

Ion Ratio Lower Upper

105 100

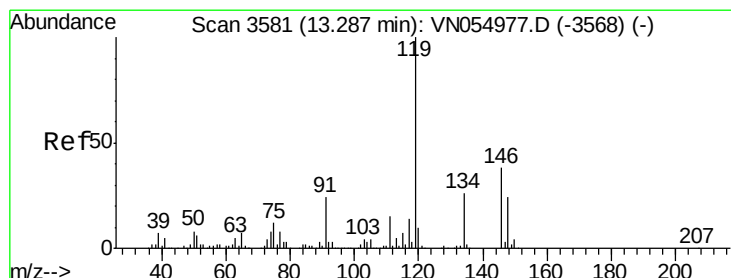
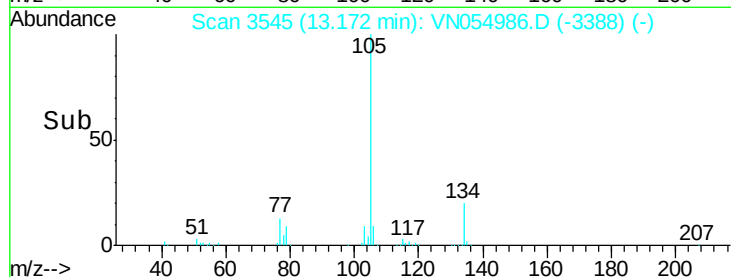
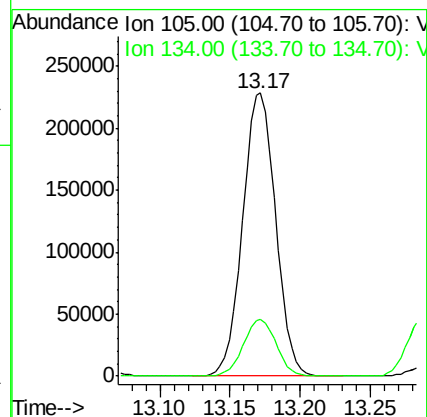
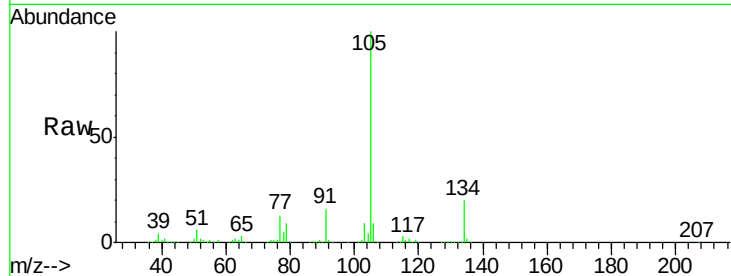
134 19.9 0.0 40.0

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#82

p-Isopropyltoluene

Concen: 18.892 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054986.D

Acq: 11 Apr 2019 19:23

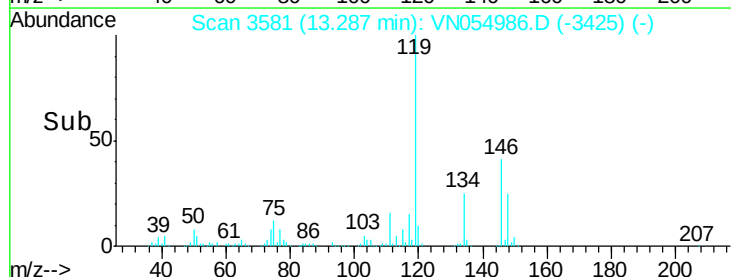
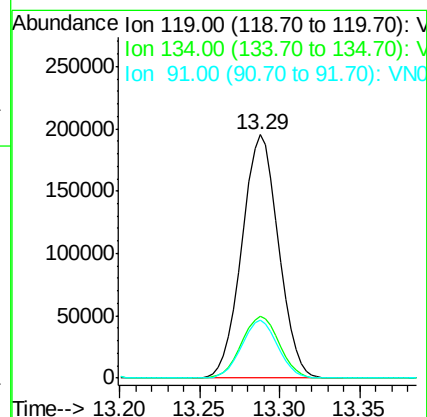
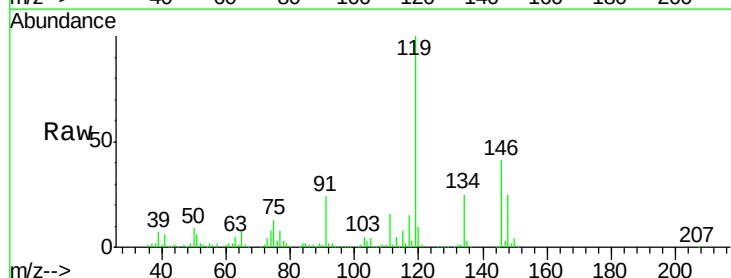
Tgt Ion:119 Resp: 304181

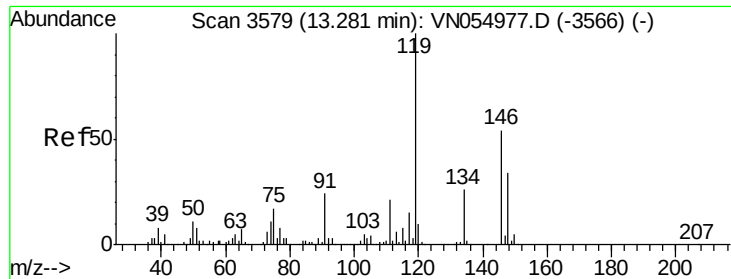
Ion Ratio Lower Upper

119 100

134 26.0 0.0 53.2

91 23.5 0.0 47.8





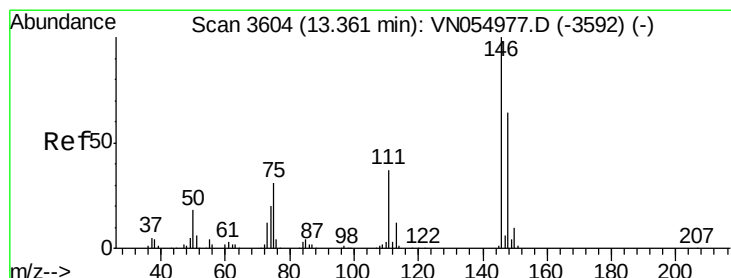
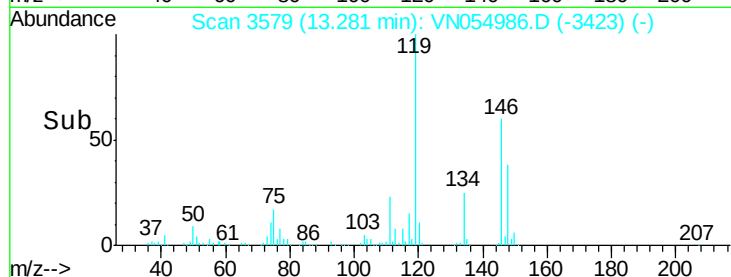
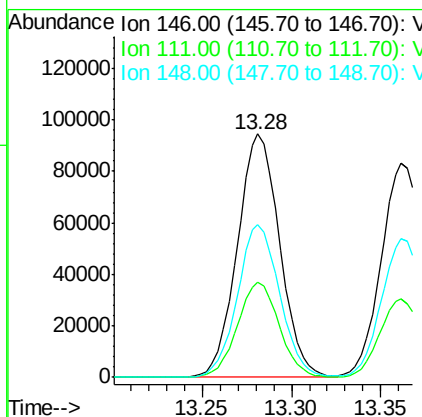
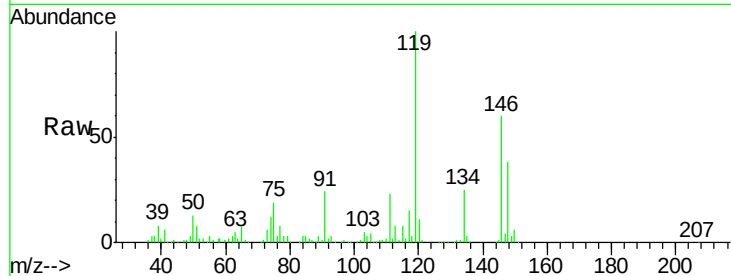
#83
 1,3-Dichlorobenzene
 Concen: 19.343 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054986.D
 Acq: 11 Apr 2019 19:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0411WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.1	57.5
148	62.7	31.9	95.5

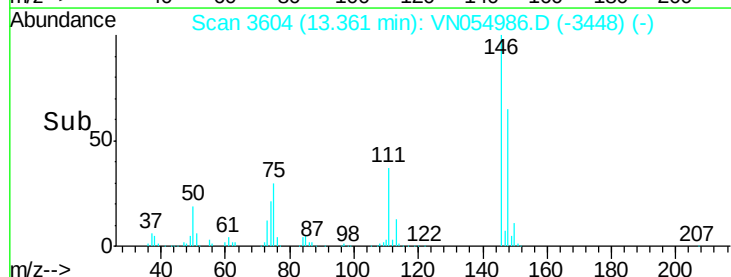
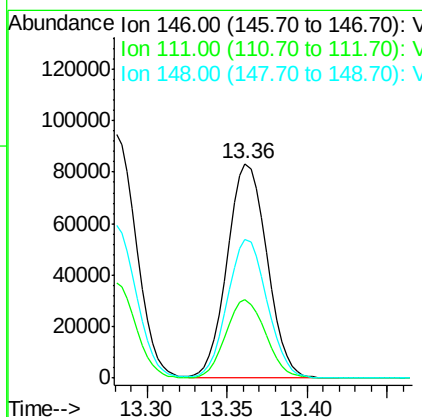
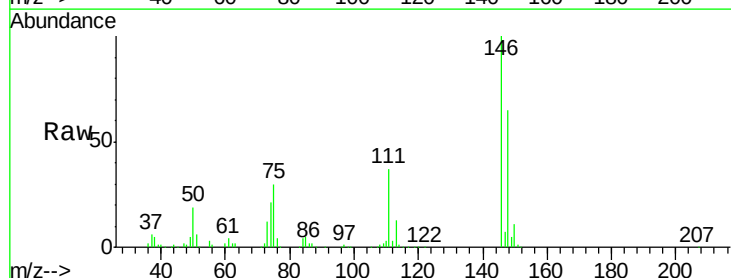
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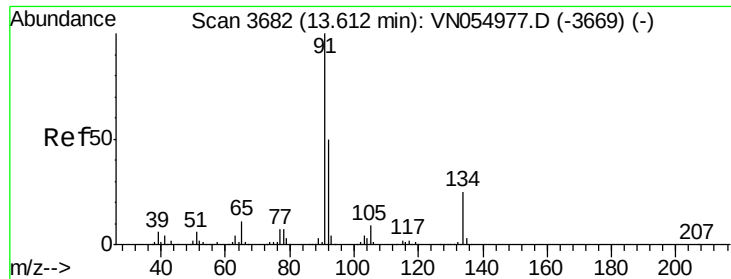
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#84
 1,4-Dichlorobenzene
 Concen: 18.459 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054986.D
 Acq: 11 Apr 2019 19:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.4	55.2
148	64.7	32.5	97.4





#85

n-Butylbenzene

Concen: 16.943 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN054986.D

Acq: 11 Apr 2019 19:23

Instrument :

MSVOA_N

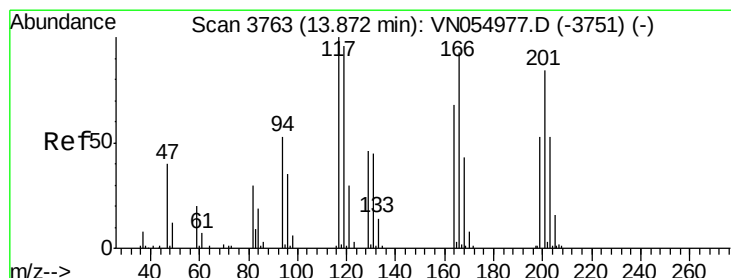
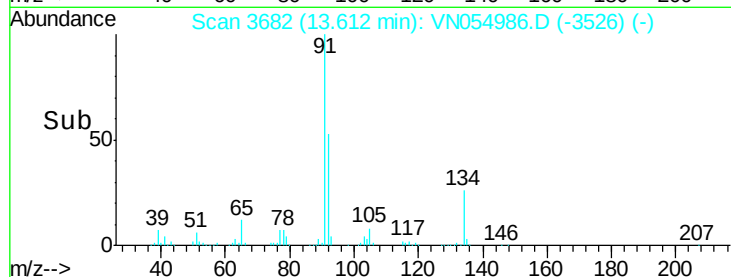
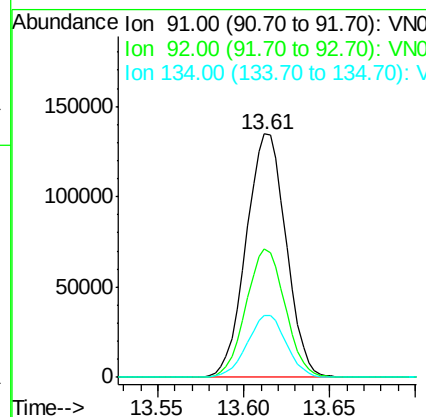
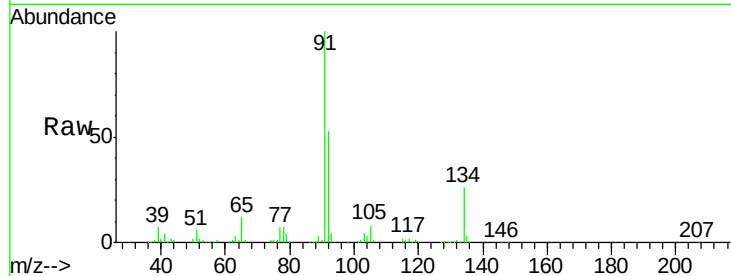
ClientSampleId :

VN0411WBS01

Tot Ion:	91	Resp:	217303
Ion Ratio	Lower	Upper	
91	100		
92	51.7	0.0	101.4
134	25.0	0.0	49.8

Manual Integrations
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#86

Hexachloroethane

Concen: 19.222 ug/l

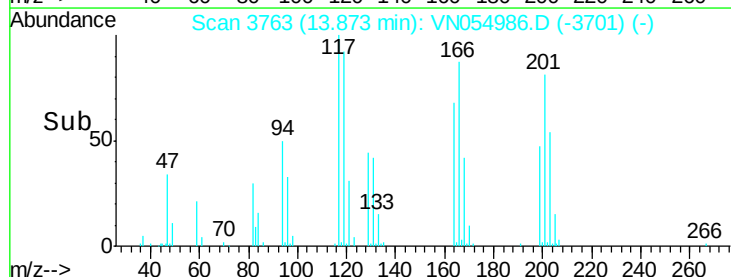
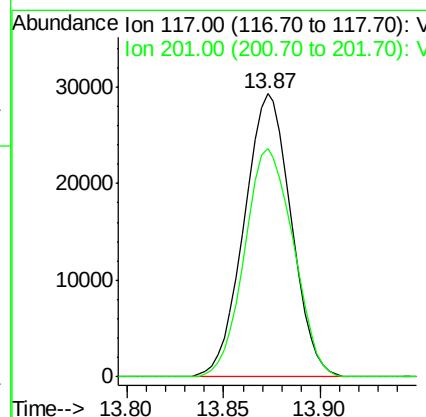
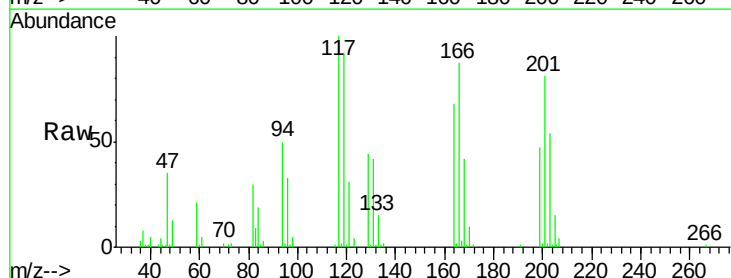
RT: 13.87 min Scan# 3763

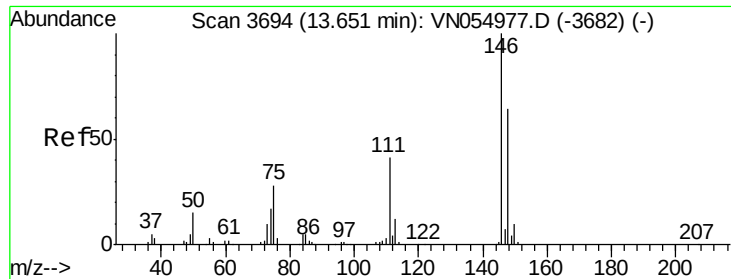
Delta R.T. 0.00 min

Lab File: VN054986.D

Acq: 11 Apr 2019 19:23

Tgt Ion:	117	Resp:	49544
Ion Ratio	Lower	Upper	
117	100		
201	83.7	42.8	128.3





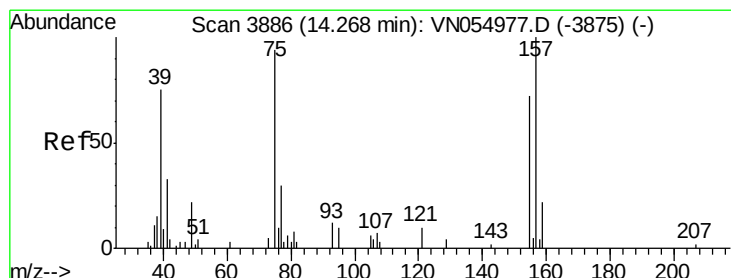
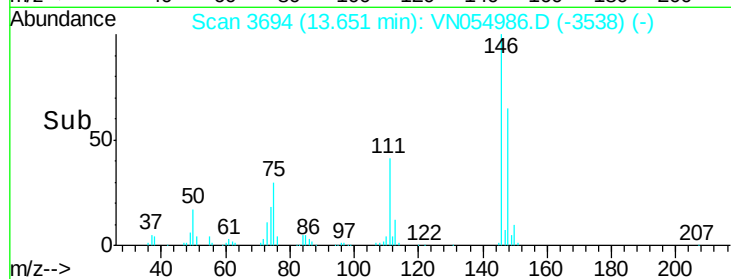
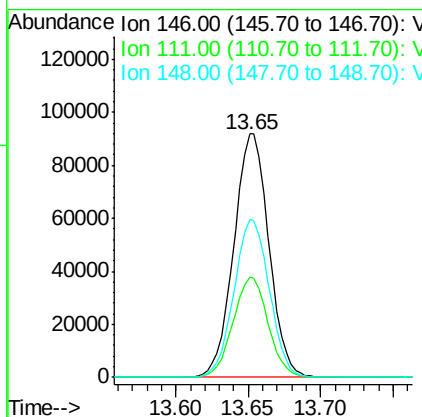
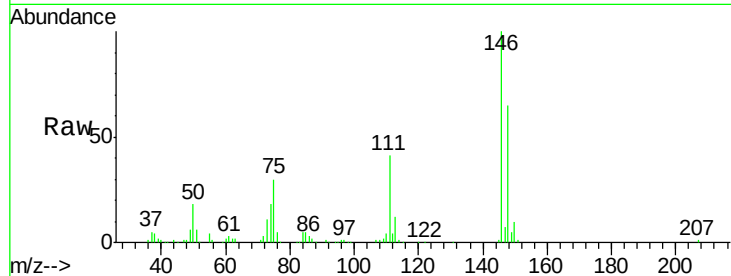
#87
 1,2-Dichlorobenzene
 Concen: 19.525 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN054986.D
 Acq: 11 Apr 2019 19:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0411WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.3	60.8
148	65.3	32.5	97.5

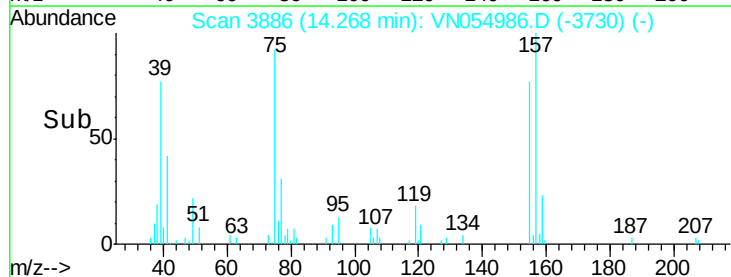
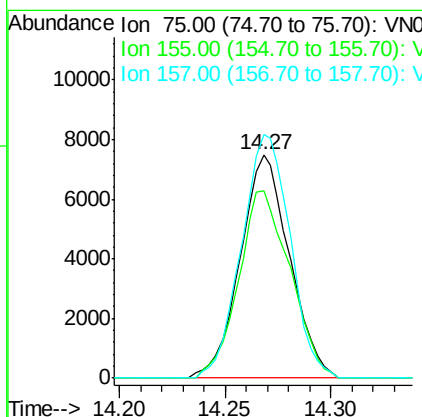
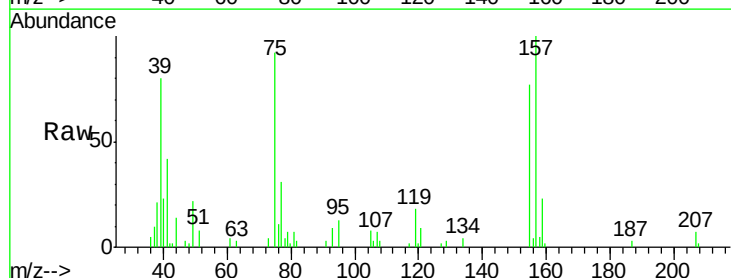
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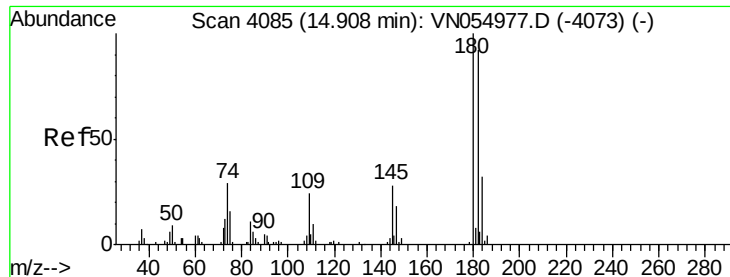
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.556 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN054986.D
 Acq: 11 Apr 2019 19:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.4	61.8	92.8
157	107.8	82.7	124.1





#89

1,2,4-Trichlorobenzene

Concen: 16.414 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054986.D

Acq: 11 Apr 2019 19:23

Instrument :

MSVOA_N

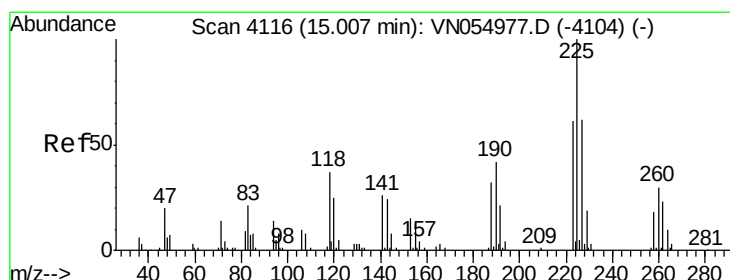
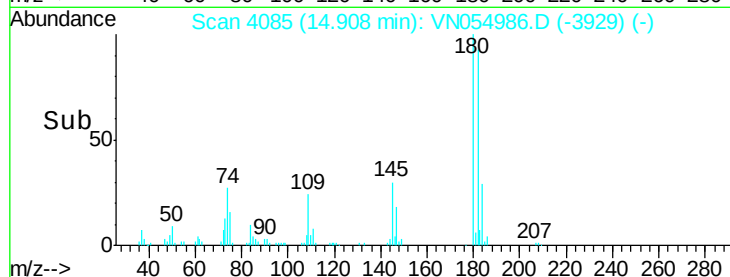
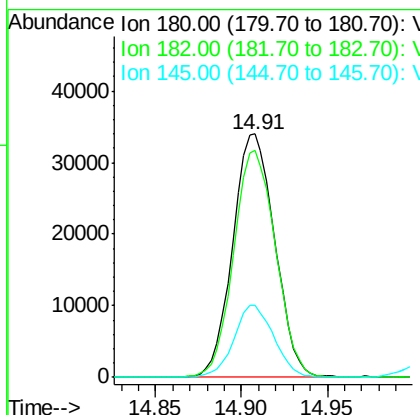
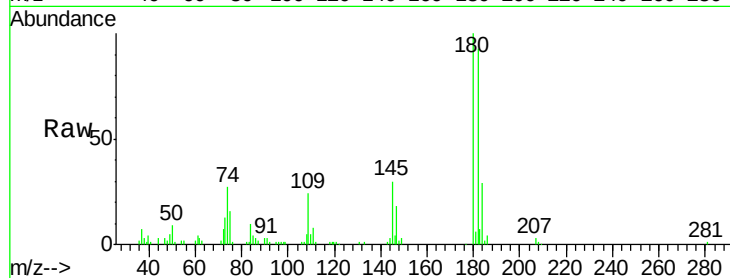
ClientSampleId :

VN0411WBS01

Tot Ion:	180	Resp:	58000
Ion Ratio	Lower	Upper	
180	100		
182	92.9	73.2	109.8
145	28.1	23.2	34.8

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#90

Hexachlorobutadiene

Concen: 17.990 ug/l

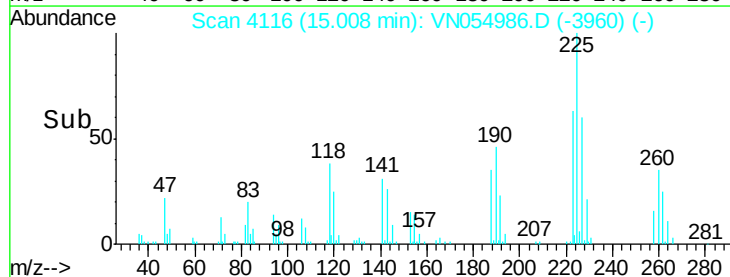
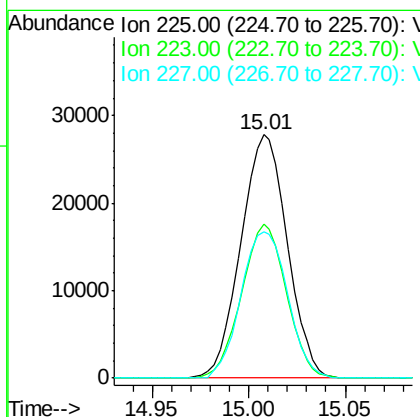
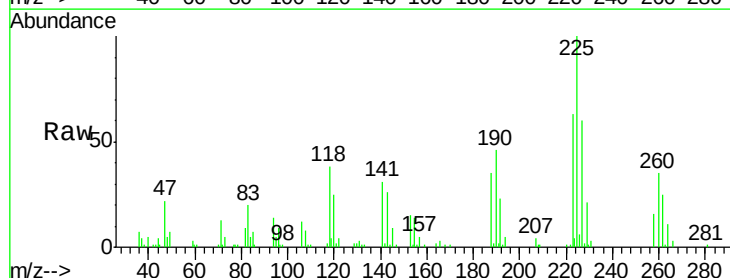
RT: 15.01 min Scan# 4116

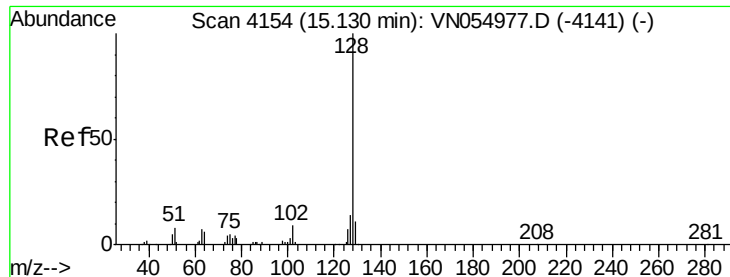
Delta R.T. 0.00 min

Lab File: VN054986.D

Acq: 11 Apr 2019 19:23

Tgt Ion:	225	Resp:	46347
Ion Ratio	Lower	Upper	
225	100		
223	61.1	0.0	126.0
227	60.4	0.0	125.4





#91

Naphthalene

Concen: 16.418 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054986.D

Acq: 11 Apr 2019 19:23

Instrument :

MSVOA_N

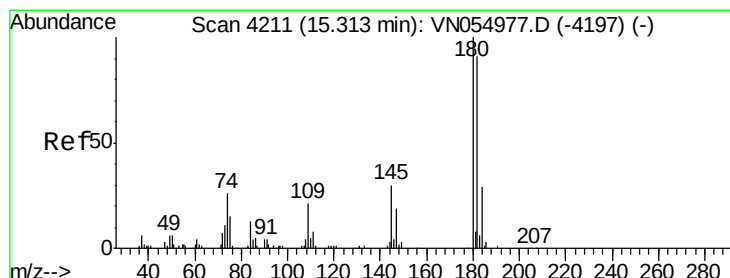
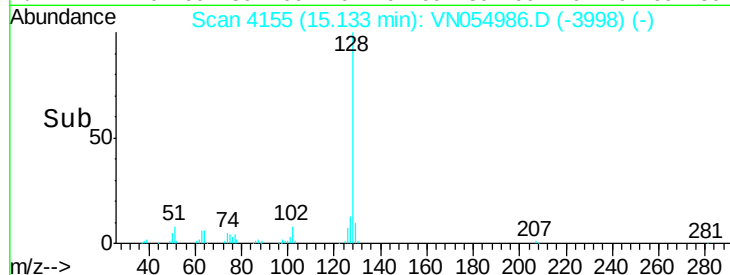
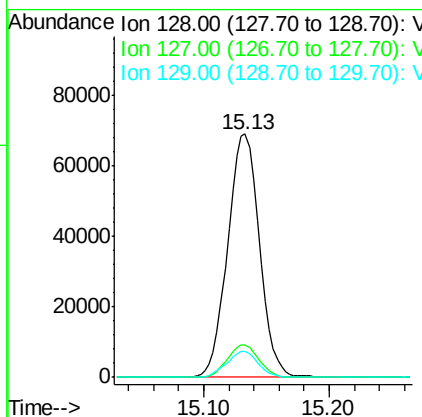
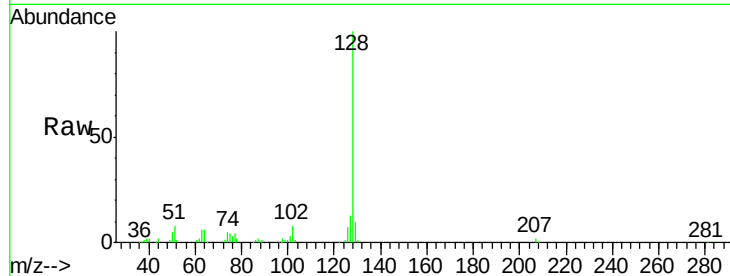
ClientSampleId :

VN0411WBS01

Tot Ion:	128	Resp:	121476
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	15.8
129	10.5	9.0	13.6

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#92

1,2,3-Trichlorobenzene

Concen: 17.044 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054986.D

Acq: 11 Apr 2019 19:23

Tgt Ion:	180	Resp:	60235
Ion Ratio	Lower	Upper	
180	100		
182	94.9	0.0	188.2
145	30.8	0.0	61.2

