

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032019\
 Data File : VN054481.D
 Acq On : 21 Mar 2019 00:16
 Operator : JC/SP
 Sample : VN0320WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 3:51:14 PM

Quant Time: Mar 22 05:45:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	512461	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	831522	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	724838	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	314218	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	353182	55.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.82%	
35) Dibromofluoromethane	7.59	113	283429	52.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.82%	
50) Toluene-d8	10.09	98	1049287	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
62) 4-Bromofluorobenzene	12.40	95	351471	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	104127	21.255	ug/l	99
3) Chloromethane	2.06	50	147456	22.122	ug/l	99
4) Vinyl Chloride	2.19	62	142216	21.251	ug/l	99
5) Bromomethane	2.57	94	85249	19.700	ug/l	99
6) Chloroethane	2.71	64	81830	20.386	ug/l	99
7) Trichlorofluoromethane	3.02	101	167947	20.665	ug/l	99
8) Diethyl Ether	3.41	74	64378	20.597	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	3.75	101	91551	19.168	ug/l	97
10) Methyl Iodide	3.94	142	132894	18.915	ug/l	94
11) Tert butyl alcohol	4.82	59	38791	100.519	ug/l	99
12) 1,1-Dichloroethene	3.73	96	98974	20.024	ug/l	87
13) Acrolein	3.61	56	45086	84.660	ug/l	99
14) Allyl chloride	4.32	41	189001	20.306	ug/l #	92
15) Acrylonitrile	5.00	53	207777	108.117	ug/l	100
16) Acetone	3.82	43	155052	80.908	ug/l	89
17) Carbon Disulfide	4.04	76	251103	18.960	ug/l	99
18) Methyl Acetate	4.33	43	94467	22.116	ug/l #	88
19) Methyl tert-butyl Ether	5.05	73	315711	21.886	ug/l	95
20) Methylene Chloride	4.55	84	118404	20.960	ug/l	88
21) trans-1,2-Dichloroethene	5.04	96	110541	21.901	ug/l	86
22) Diisopropyl ether	5.96	45	402216	21.908	ug/l #	96
23) Vinyl Acetate	5.90	43	1397417	107.770	ug/l #	94
24) 1,1-Dichloroethane	5.84	63	215082	21.758	ug/l	98
25) 2-Butanone	6.85	43	249036	101.444	ug/l	90
26) 2,2-Dichloropropane	6.82	77	118859	16.867	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	127879	21.242	ug/l	91
28) Bromochloromethane	7.20	49	102947	21.157	ug/l #	75
29) Tetrahydrofuran	7.22	42	176468	110.772	ug/l #	86
30) Chloroform	7.37	83	204921	21.242	ug/l	99
31) Cyclohexane	7.65	56	209417	21.033	ug/l	91
32) 1,1,1-Trichloroethane	7.57	97	170528	21.426	ug/l	96
36) 1,1-Dichloropropene	7.79	75	159898	20.566	ug/l	96
37) Ethyl Acetate	6.94	43	120062	21.712	ug/l #	94
38) Carbon Tetrachloride	7.77	117	145254	19.225	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	178266	20.044	ug/l	89
40) Benzene	8.04	78	468935	21.092	ug/l	100
41) Methacrylonitrile	7.18	41	66734	19.789	ug/l	91
42) 1,2-Dichloroethane	8.13	62	168185	20.772	ug/l	99
43) Isopropyl Acetate	8.17	43	193488	20.719	ug/l #	95
44) Trichloroethene	8.83	130	127893	20.691	ug/l	92
45) 1,2-Dichloropropane	9.12	63	128741	21.565	ug/l	97
46) Dibromomethane	9.21	93	76513	21.483	ug/l	90
47) Bromodichloromethane	9.40	83	151580	20.508	ug/l	97
48) Methyl methacrylate	9.20	41	104048	20.527	ug/l	87
49) 1,4-Dioxane	9.20	88	22631	399.374	ug/l #	86
51) 4-Methyl-2-Pentanone	9.99	43	548420	105.962	ug/l	94
52) Toluene	10.16	92	282112	20.631	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	131232	18.312	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	167888	19.810	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	103504	21.058	ug/l	98
56) Ethyl methacrylate	10.43	69	131625	19.951	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	180228	21.093	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	257496	94.785	ug/l	92
59) 2-Hexanone	10.75	43	337148	99.728	ug/l	93
60) Dibromochloromethane	10.90	129	102723	19.640	ug/l	100
61) 1,2-Dibromoethane	11.01	107	101363	20.859	ug/l	99
64) Tetrachloroethene	10.63	164	124427	20.696	ug/l	95
65) Chlorobenzene	11.43	112	296717	20.127	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	109303	20.656	ug/l	100
67) Ethyl Benzene	11.51	91	524012	20.122	ug/l	99
68) m/p-Xylenes	11.62	106	396365	40.184	ug/l	98
69) o-Xylene	11.95	106	193579	20.095	ug/l	96
70) Styrene	11.96	104	316214	20.214	ug/l	97
71) Bromoform	12.13	173	60428	18.049	ug/l #	100
73) Isopropylbenzene	12.25	105	513086	20.264	ug/l	98
74) N-amyl acetate	12.07	43	153975	21.149	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	120945	20.925	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	115192m	23.102	ug/l	
77) Bromobenzene	12.53	156	123840	19.720	ug/l	87
78) n-propylbenzene	12.59	91	560694	20.421	ug/l	97
79) 2-Chlorotoluene	12.67	91	341439	19.942	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	425057	20.483	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	19548	15.830	ug/l #	66
82) 4-Chlorotoluene	12.77	91	329994	19.884	ug/l	98
83) tert-Butylbenzene	12.99	119	375395	20.782	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	419327	20.593	ug/l	99
85) sec-Butylbenzene	13.17	105	465585	20.676	ug/l	97
86) p-Isopropyltoluene	13.29	119	421225	20.909	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	206633	19.856	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	198360	19.591	ug/l	96
89) n-Butylbenzene	13.61	91	313377	19.894	ug/l	98
90) Hexachloroethane	13.87	117	60001	19.187	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	210320	20.866	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16973	20.020	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	101747	20.249	ug/l	98
94) Hexachlorobutadiene	15.01	225	67131	22.411	ug/l	98
95) Naphthalene	15.13	128	224854	20.062	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	102636	20.523	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054481.D

Acq: 21 Mar 2019 00:16

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBS01

Tot Ion:168 Resp: 512461

Ion Ratio Lower Upper

168 100

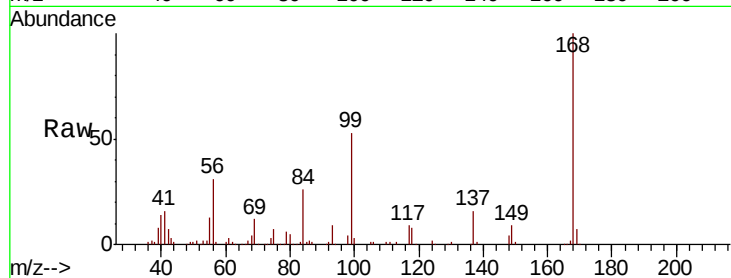
99 52.2 37.1 55.7

Manual Integrations

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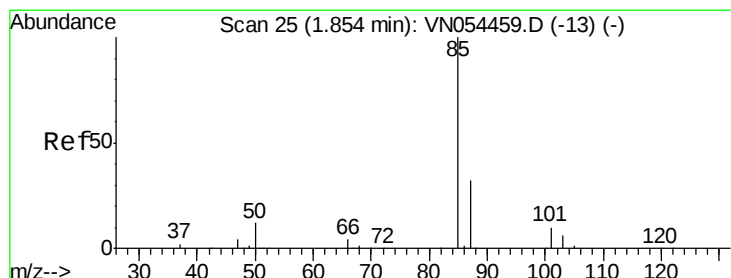
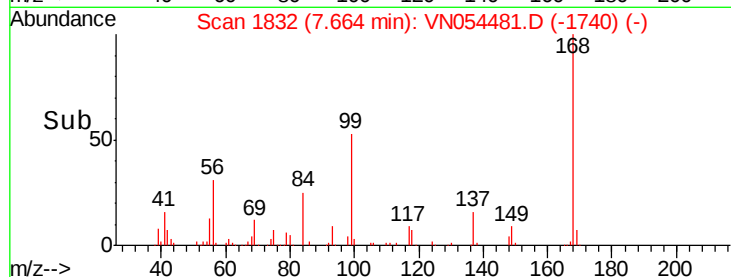
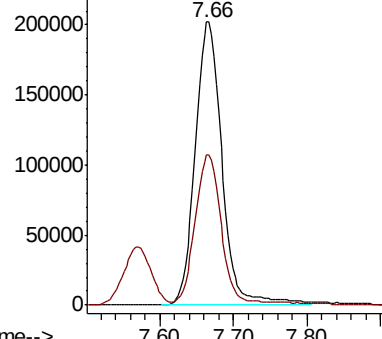
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 21.255 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054481.D

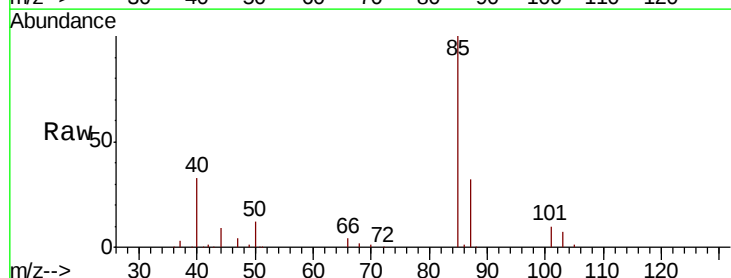
Acq: 21 Mar 2019 00:16

Tgt Ion: 85 Resp: 104127

Ion Ratio Lower Upper

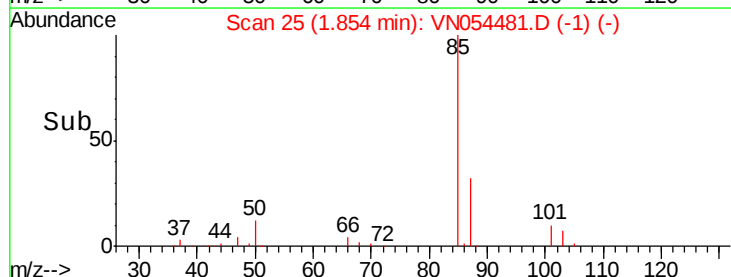
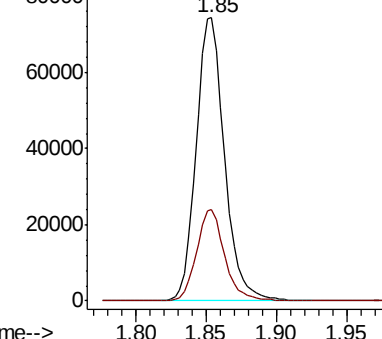
85 100

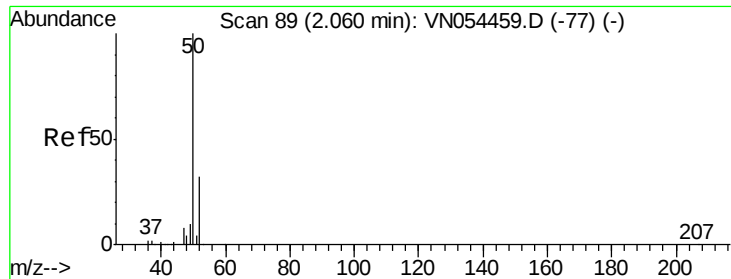
87 32.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 22.122 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN054481.D

Acq: 21 Mar 2019 00:16

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBS01

Tot Ion: 50 Resp: 147456

Ion Ratio Lower Upper

50 100

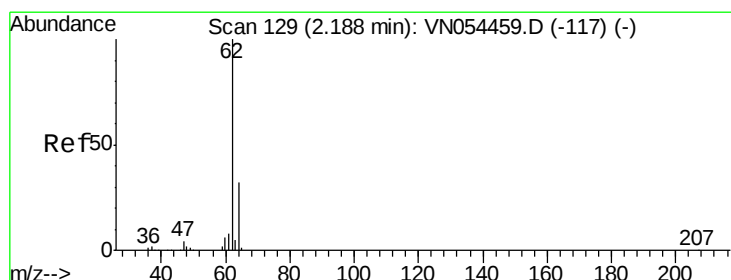
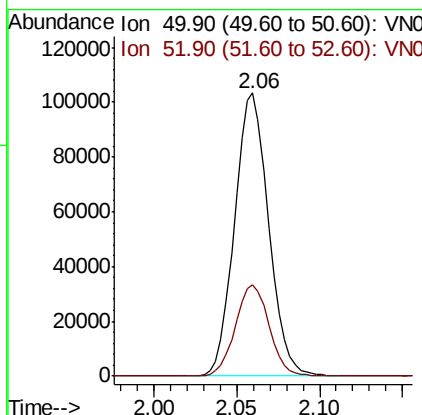
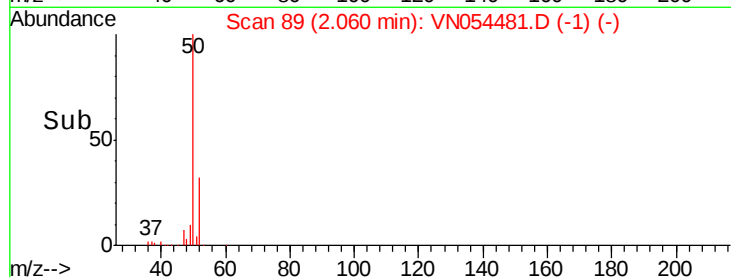
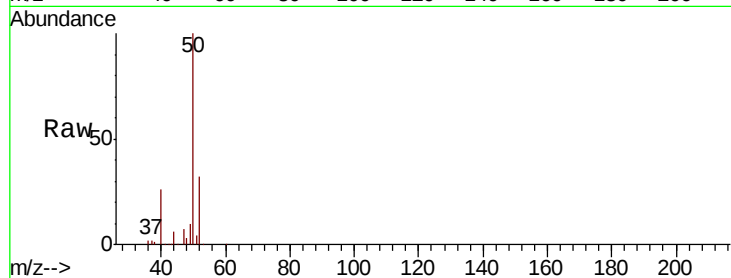
52 32.3 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.251 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054481.D

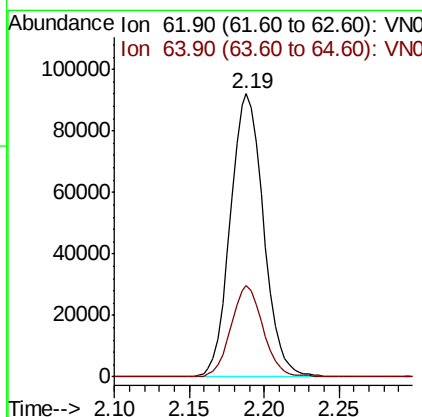
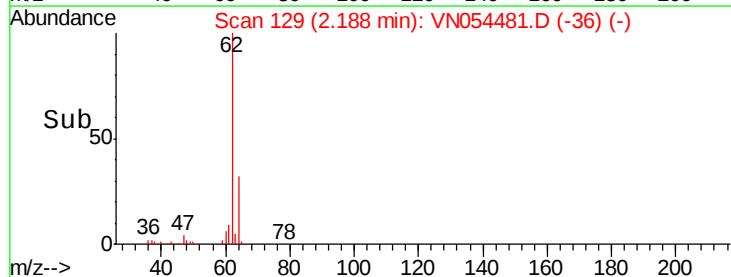
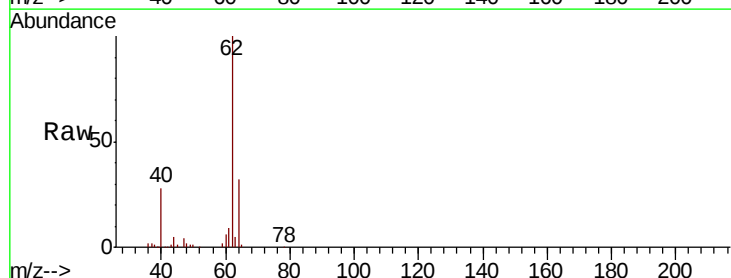
Acq: 21 Mar 2019 00:16

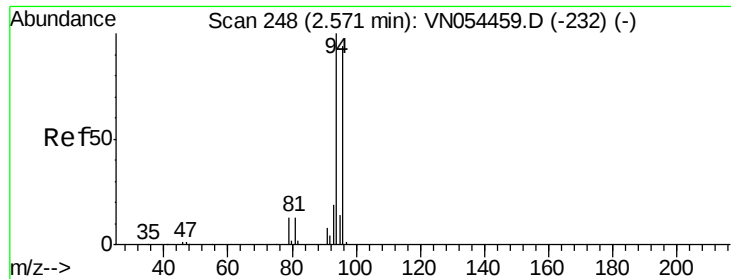
Tgt Ion: 62 Resp: 142216

Ion Ratio Lower Upper

62 100

64 32.2 25.5 38.3





#5

Bromomethane

Concen: 19.700 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054481.D

Acq: 21 Mar 2019 00:16

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 85249

Ion Ratio Lower Upper

94 100

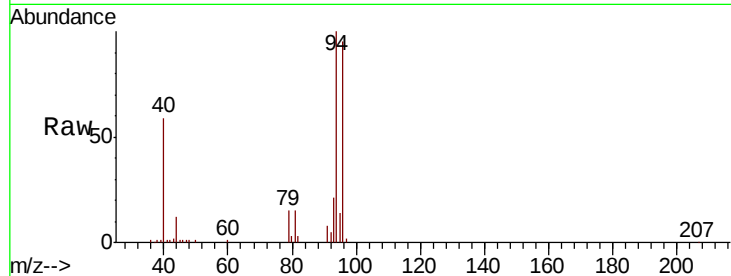
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Manual Integrations

APPROVED

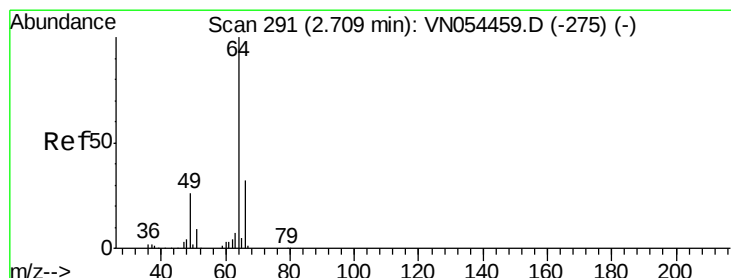
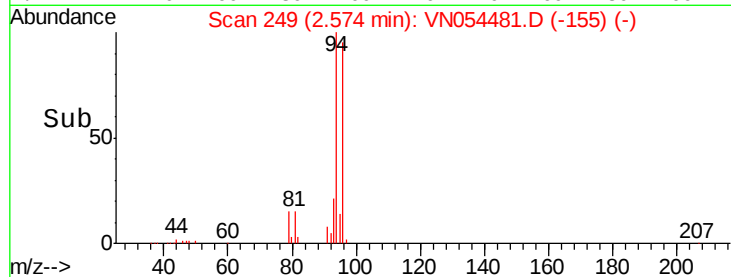
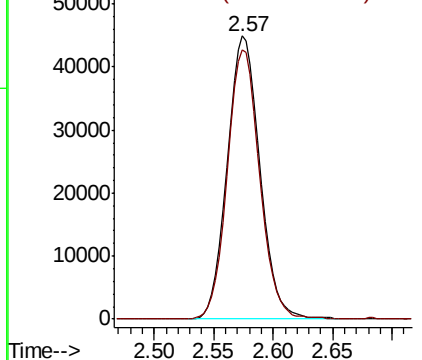
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 20.386 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054481.D

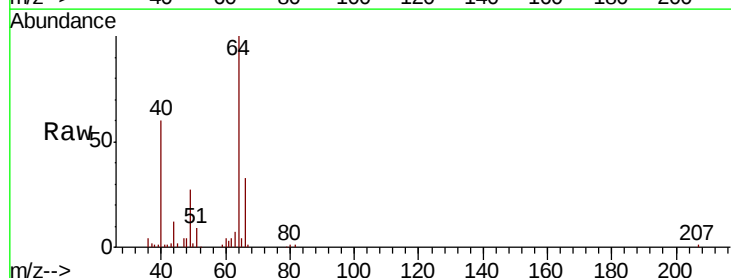
Acq: 21 Mar 2019 00:16

Tgt Ion: 64 Resp: 81830

Ion Ratio Lower Upper

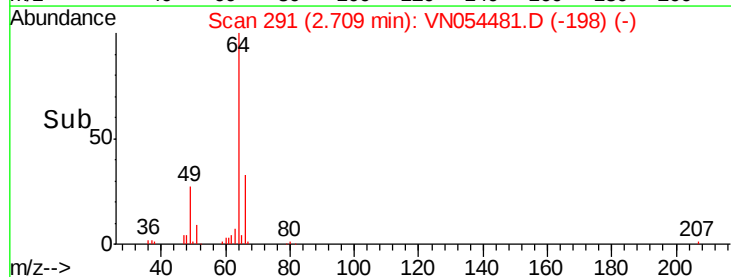
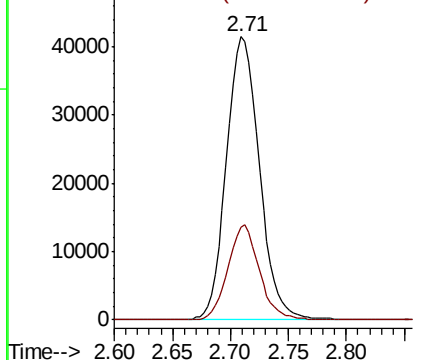
64 100

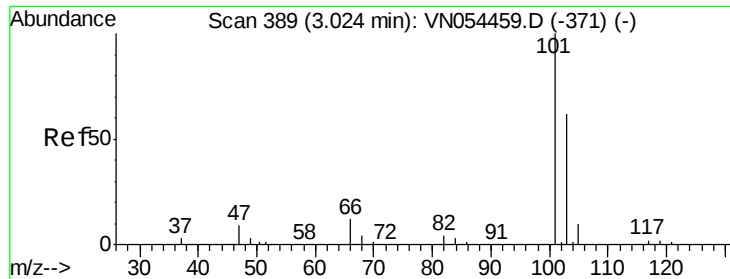
66 32.6 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

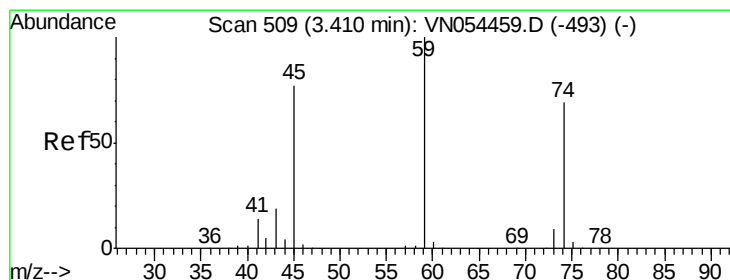
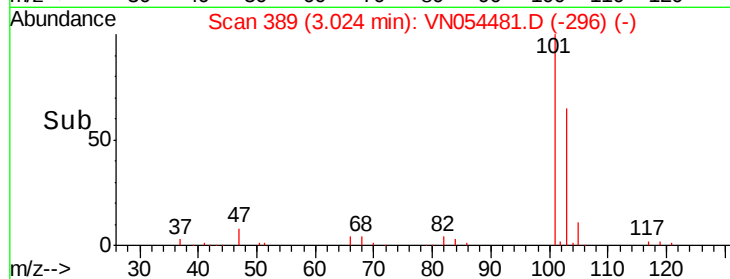
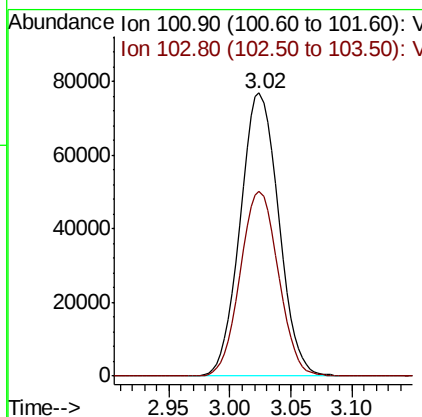
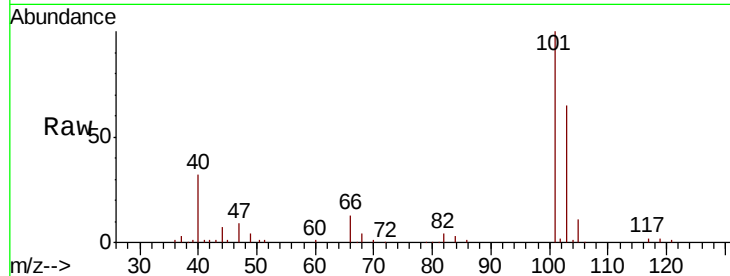
Trichlorofluoromethane
 Concen: 20.665 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054481.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.4	77.2

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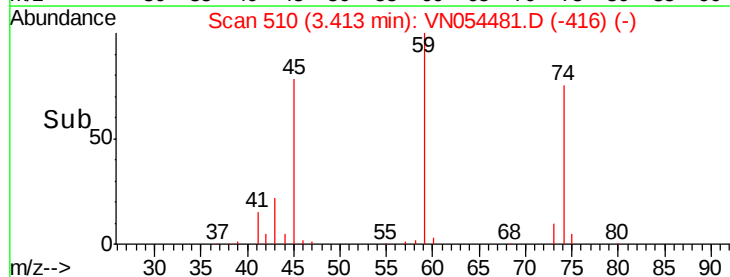
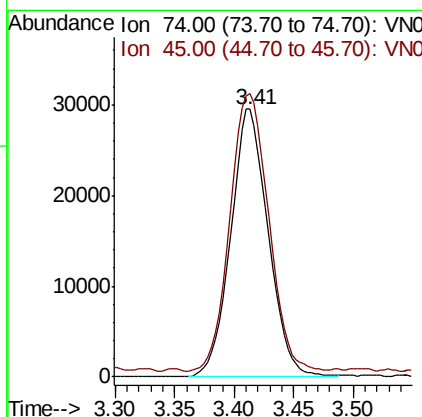
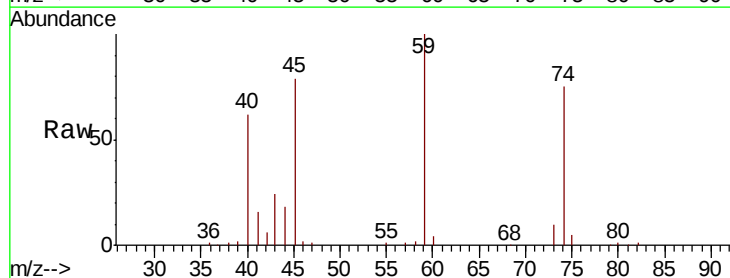
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 3/22/2019 3:51:14 PM

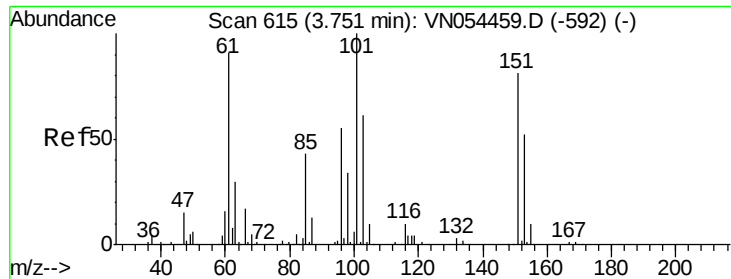


#8

Diethyl Ether
 Concen: 20.597 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054481.D
 Acq: 21 Mar 2019 00:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.1	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.168 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN054481.D

Acq: 21 Mar 2019 00:16

Instrument :

MSVOA_N

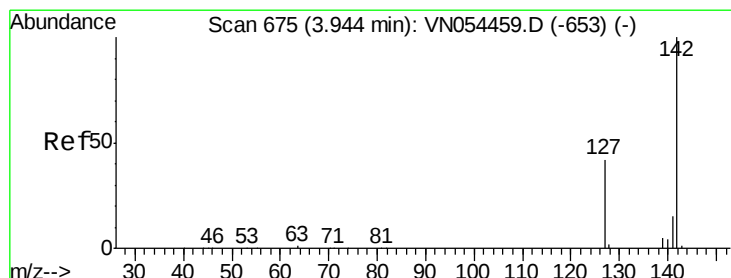
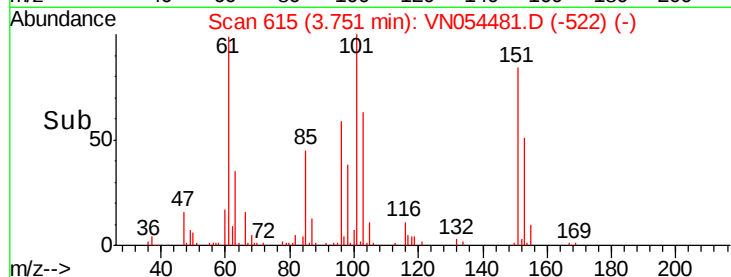
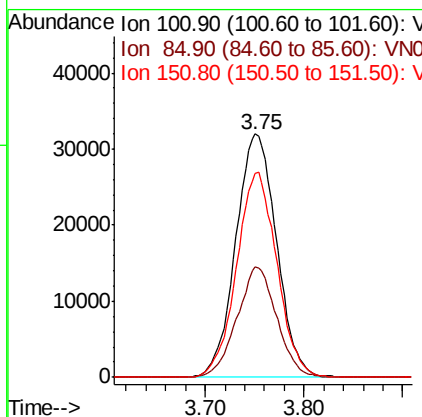
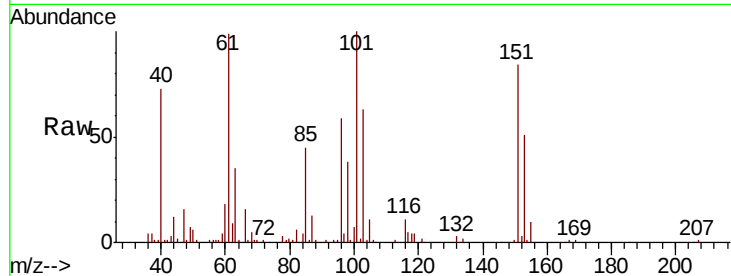
ClientSampleId :

VN0320WBS01

Tot Ion:	101	Resp:	91551
Ion Ratio	Lower	Upper	
101	100		
85	44.1	32.4	48.6
151	83.2	68.2	102.2

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#10

Methyl Iodide

Concen: 18.915 ug/l

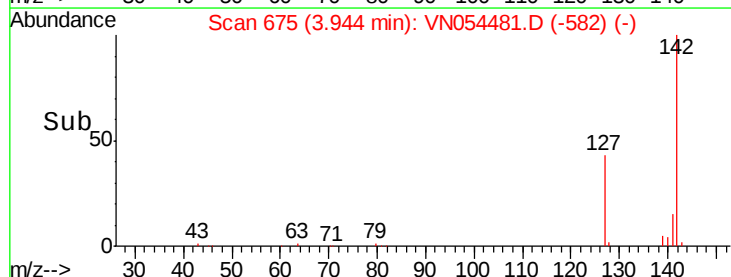
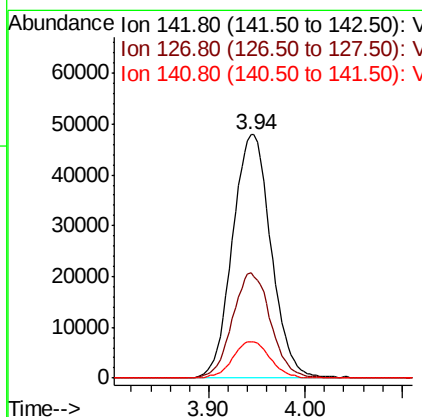
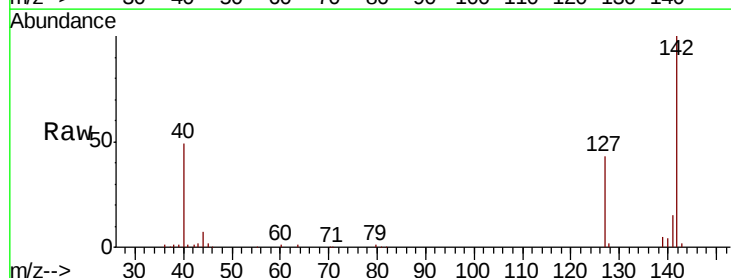
RT: 3.94 min Scan# 675

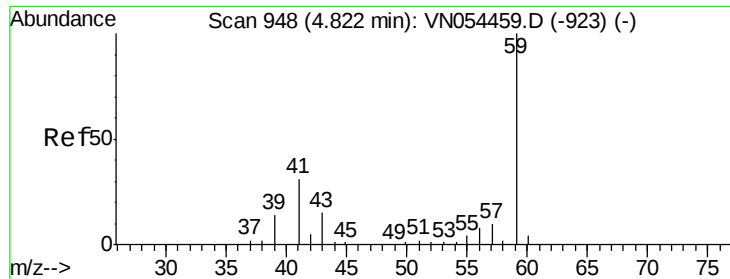
Delta R.T. 0.00 min

Lab File: VN054481.D

Acq: 21 Mar 2019 00:16

Tgt Ion:	142	Resp:	132894
Ion Ratio	Lower	Upper	
142	100		
127	42.8	30.3	45.5
141	14.5	11.2	16.8





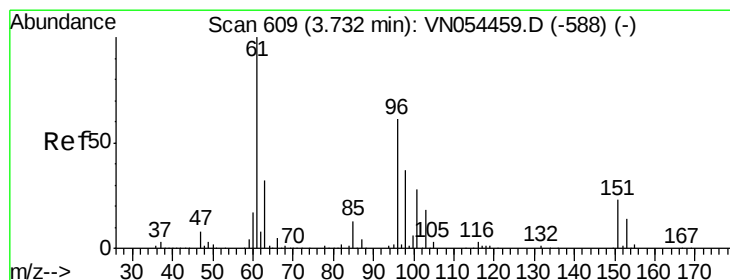
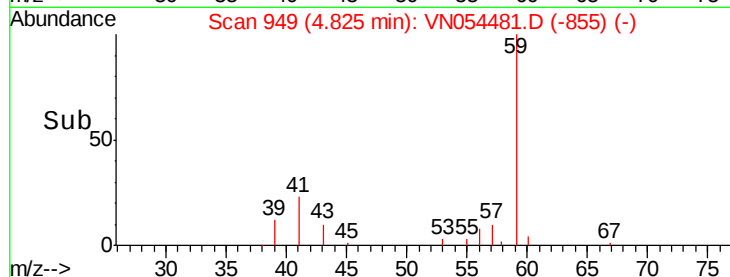
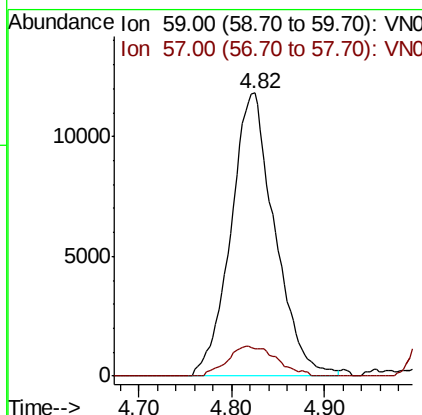
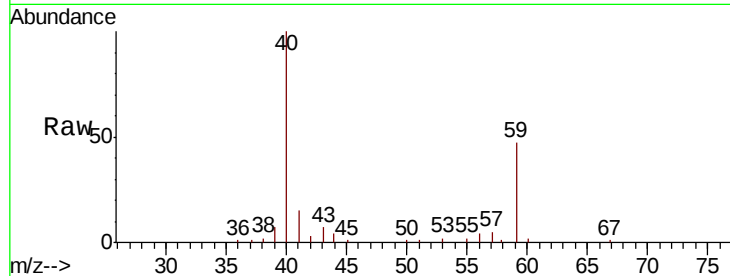
#11
Tert butyl alcohol
Concen: 100.519 ug/l
RT: 4.82 min Scan# 949
Delta R.T. 0.00 min
Lab File: VN054481.D
Acq: 21 Mar 2019 00:16

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	38791		
57	11.8	9.0	13.6	

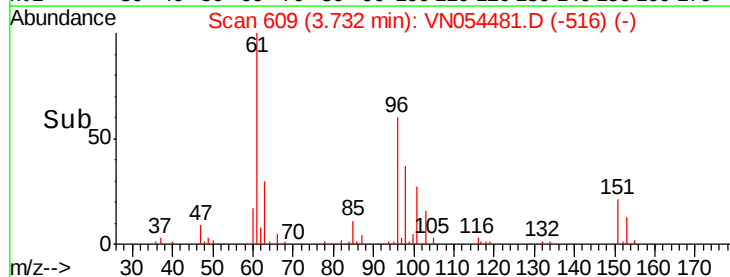
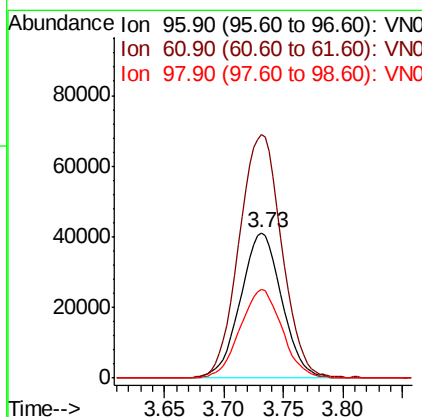
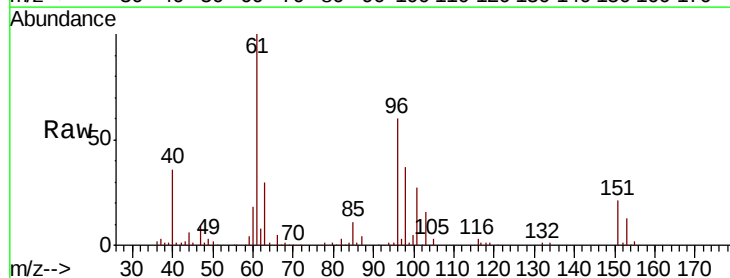
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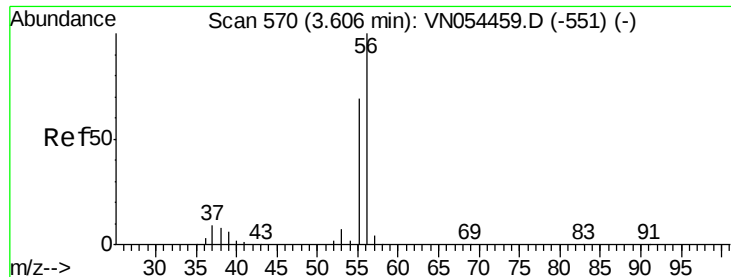
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.024 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054481.D
Acq: 21 Mar 2019 00:16

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	98974		
61	167.1	116.5	174.7	
98	61.2	51.0	76.4	





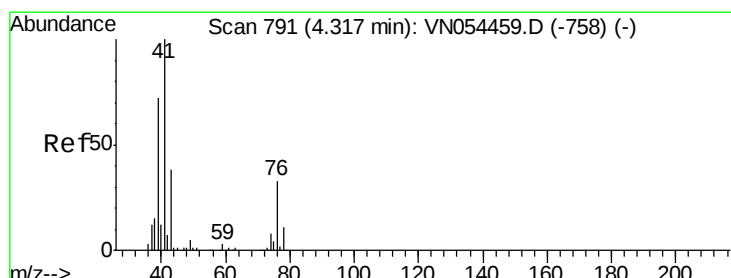
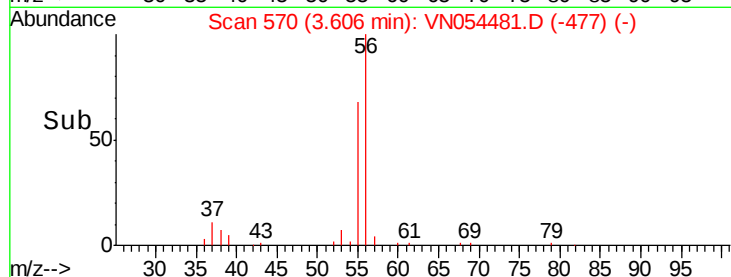
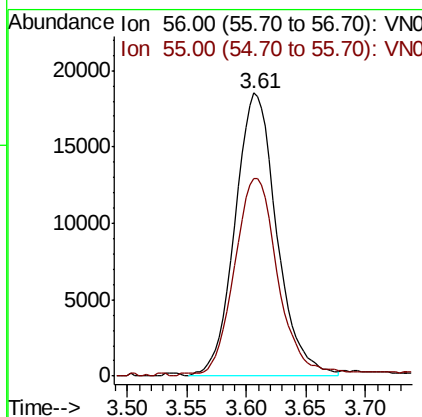
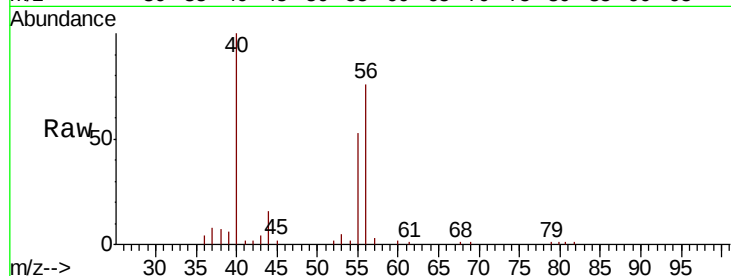
#13
 Acrolein
 Concen: 84.660 ug/l
 RT: 3.61 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VN054481.D
 Acq: 21 Mar 2019 00:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.1	56.7	85.1

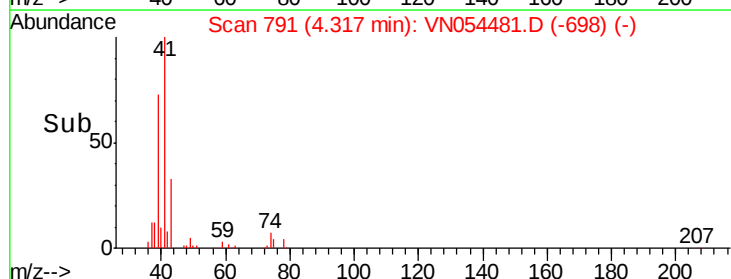
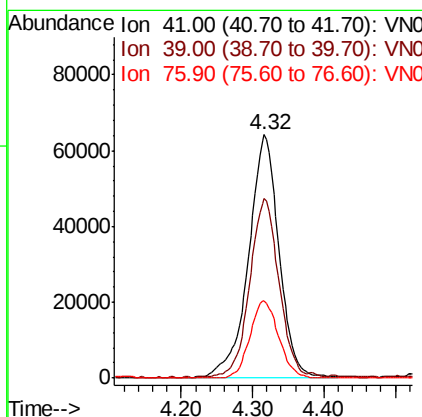
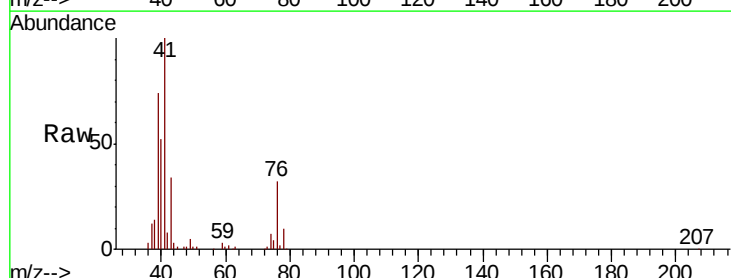
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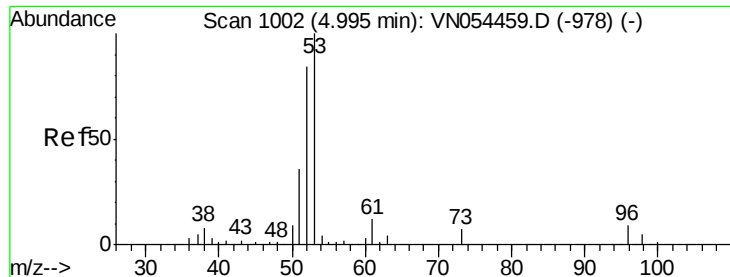
MMDadoda
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#14
 Allyl chloride
 Concen: 20.306 ug/l
 RT: 4.32 min Scan# 791
 Delta R.T. -0.00 min
 Lab File: VN054481.D
 Acq: 21 Mar 2019 00:16

Tgt Ion	Ratio	Lower	Upper
41	100		
39	70.1	58.2	87.4
76	30.0	31.7	47.5#





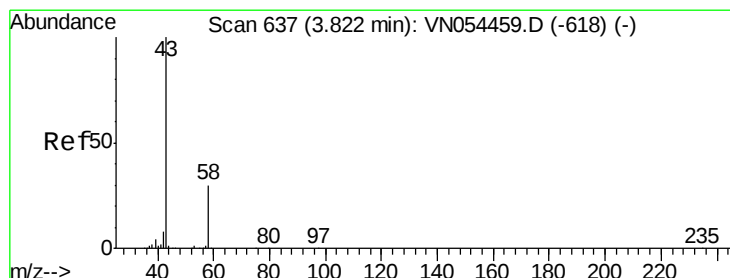
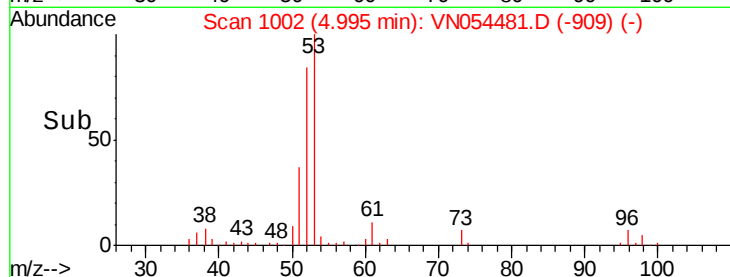
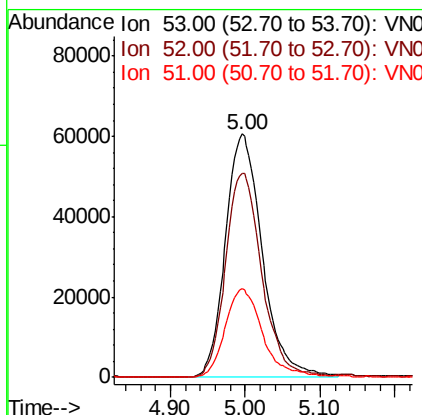
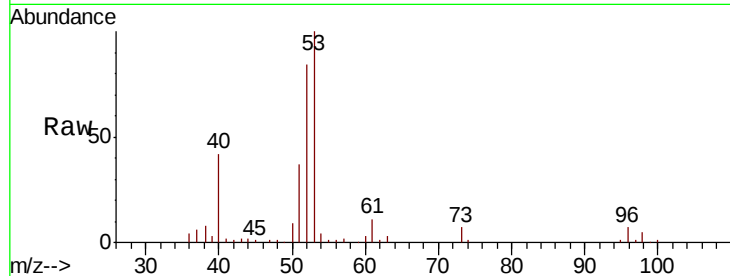
#15
 Acrylonitrile
 Concen: 108.117 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. -0.00 min
 Lab File: VN054481.D
 Acq: 21 Mar 2019 00:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320WBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.4	99.6
51	36.8	29.6	44.4

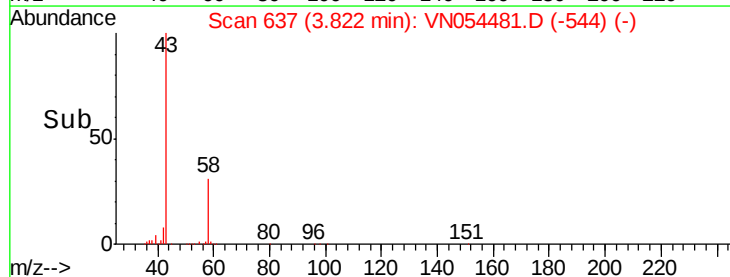
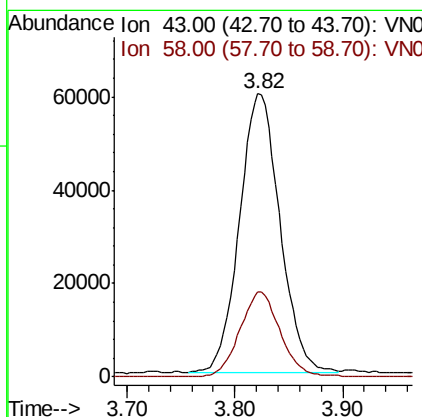
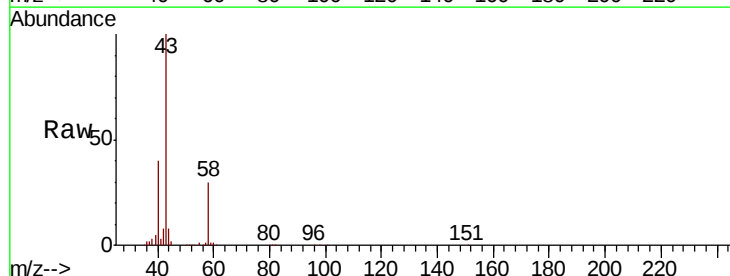
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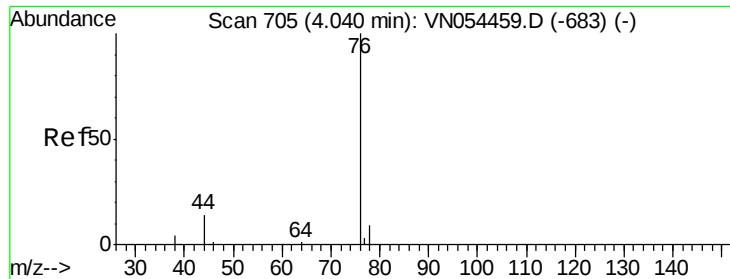
MMDadoda
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#16
 Acetone
 Concen: 80.908 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. -0.00 min
 Lab File: VN054481.D
 Acq: 21 Mar 2019 00:16

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.7	29.9	44.9





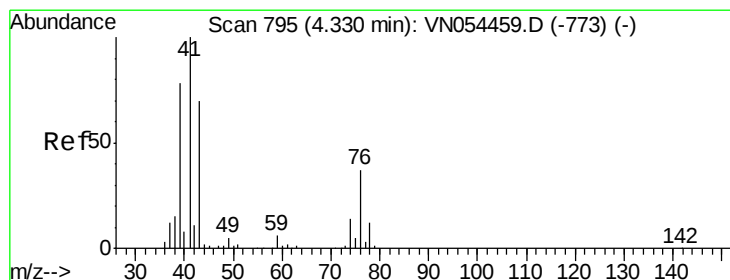
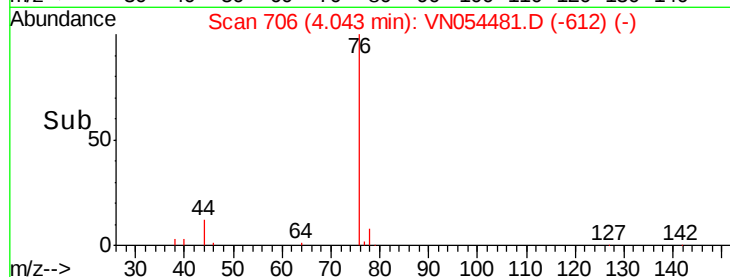
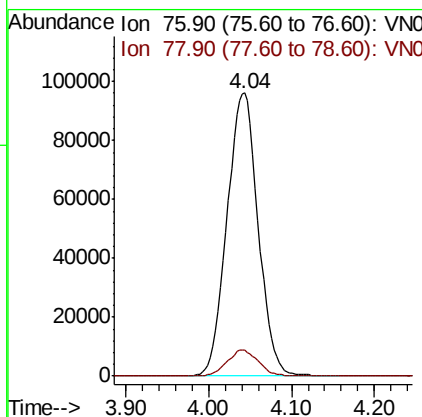
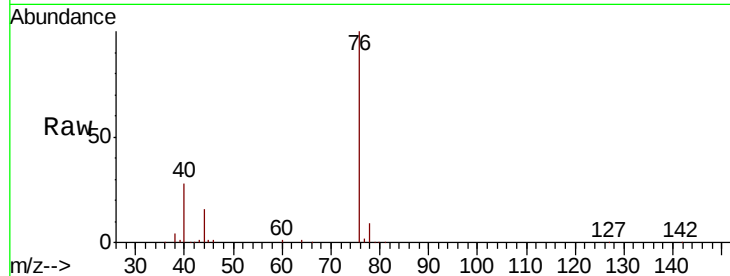
#17
Carbon Disulfide
Concen: 18.960 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN054481.D
Acq: 21 Mar 2019 00:16

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.5	11.3

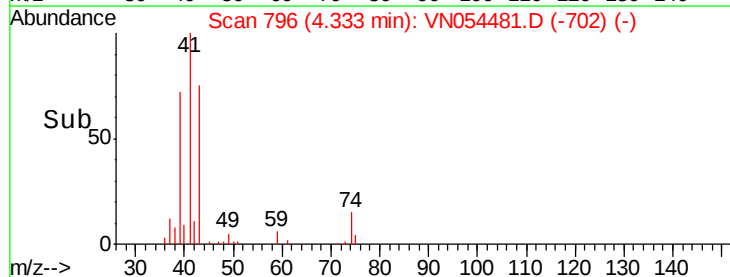
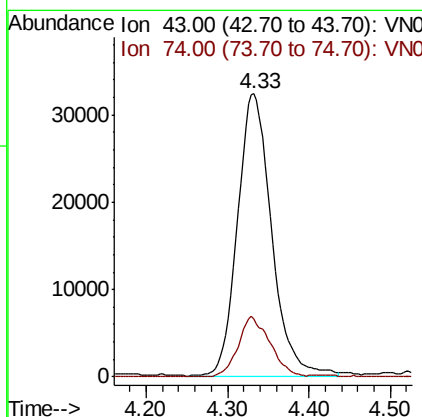
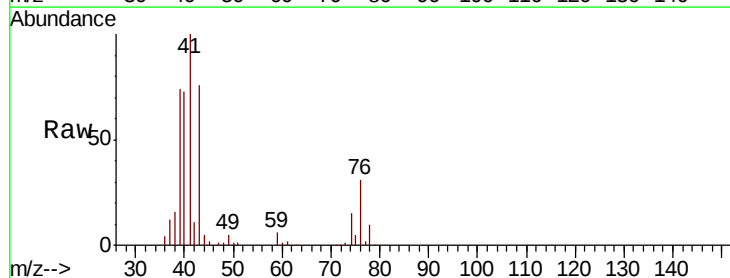
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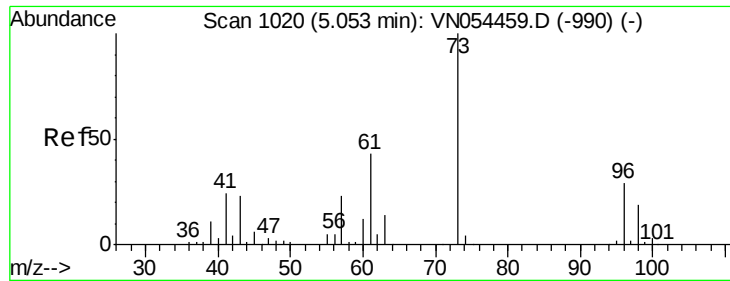
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#18
Methyl Acetate
Concen: 22.116 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054481.D
Acq: 21 Mar 2019 00:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.8	20.8	31.2#





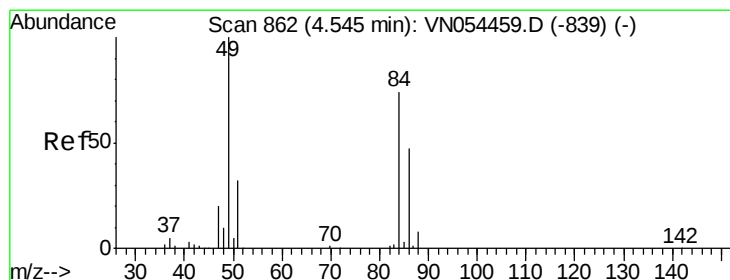
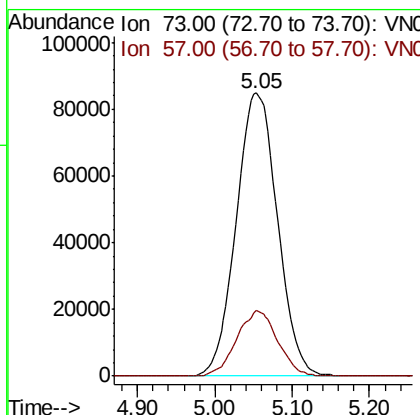
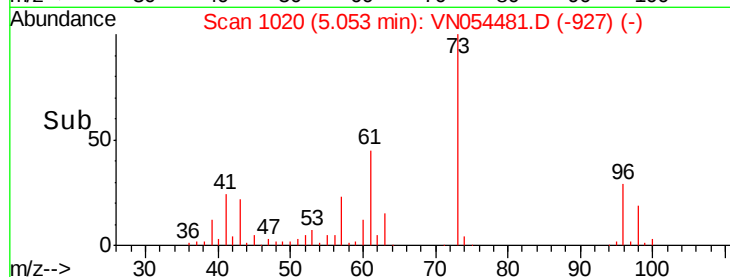
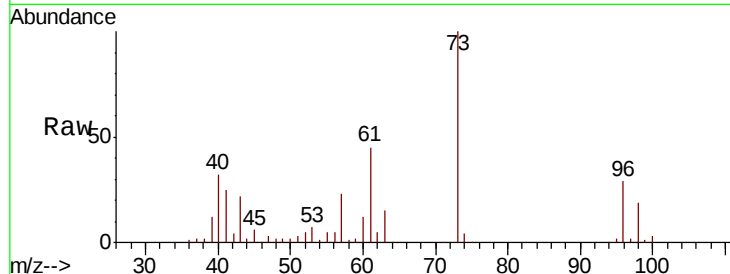
#19
Methyl tert-butyl Ether
Concen: 21.886 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054481.D
Acq: 21 Mar 2019 00:16

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBS01

Tot Ion: 73 Resp: 315711
Ion Ratio Lower Upper
73 100
57 23.3 16.8 25.2

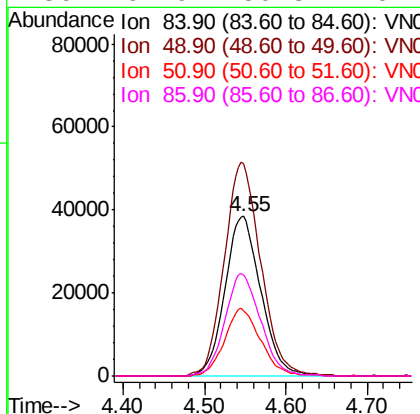
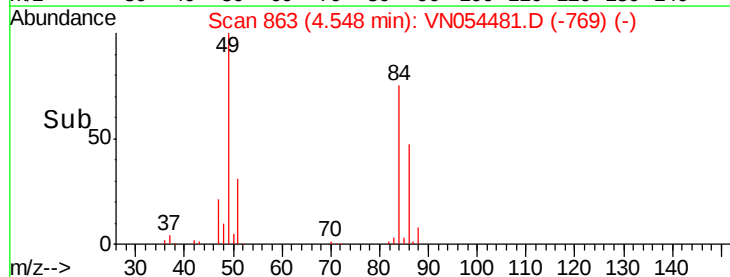
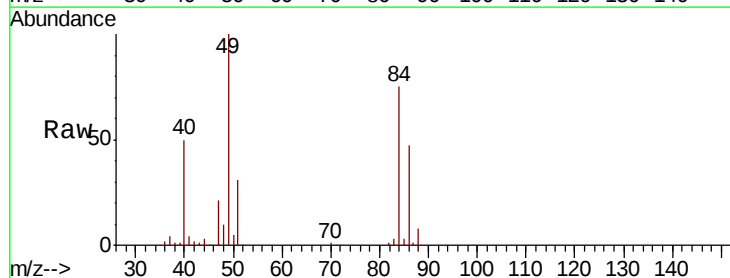
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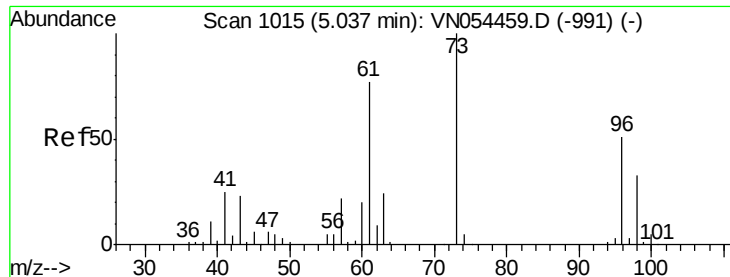
MMDadoda
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#20
Methylene Chloride
Concen: 20.960 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054481.D
Acq: 21 Mar 2019 00:16

Tgt Ion: 84 Resp: 118404
Ion Ratio Lower Upper
84 100
49 132.6 89.7 134.5
51 41.2 28.2 42.4
86 62.9 50.8 76.2





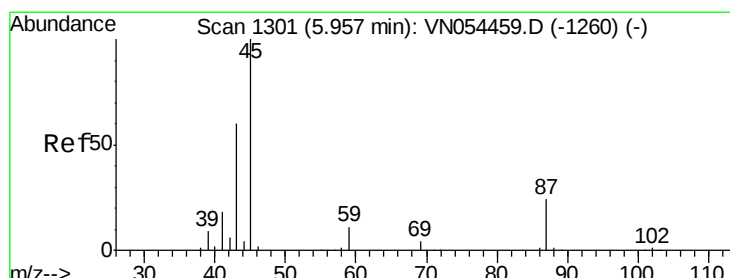
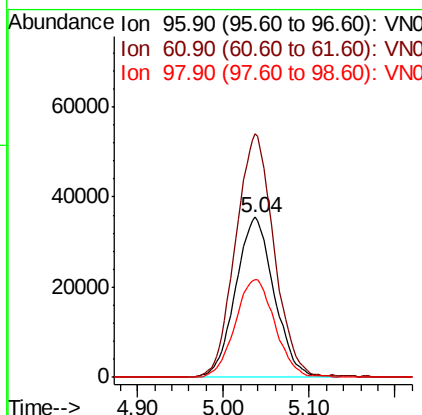
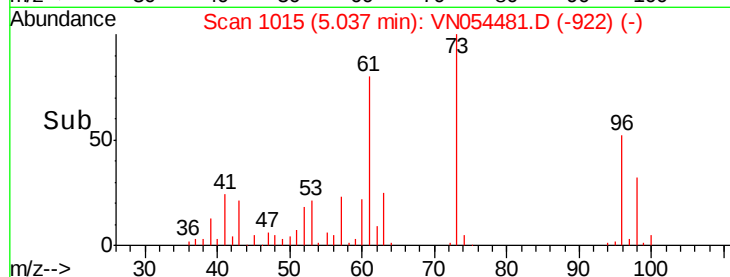
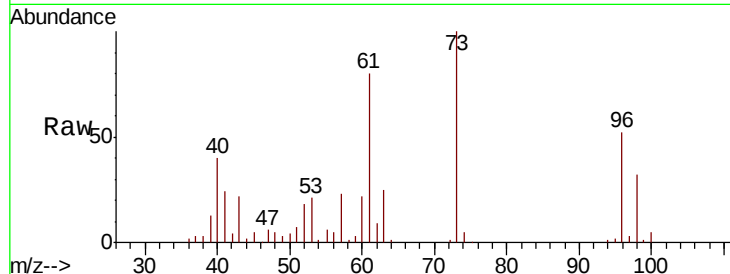
#21
trans-1,2-Dichloroethene
Concen: 21.901 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN054481.D
Acq: 21 Mar 2019 00:16

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.2	102.8	154.2
98	61.0	50.0	75.0

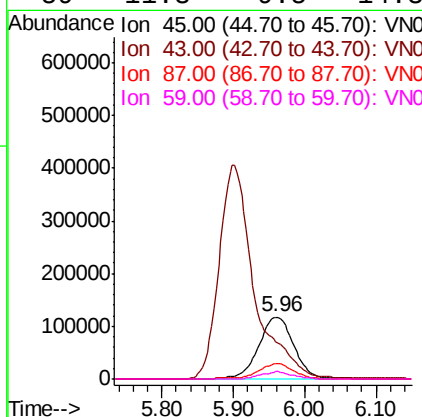
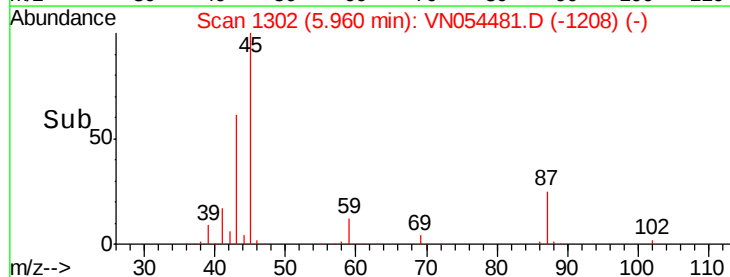
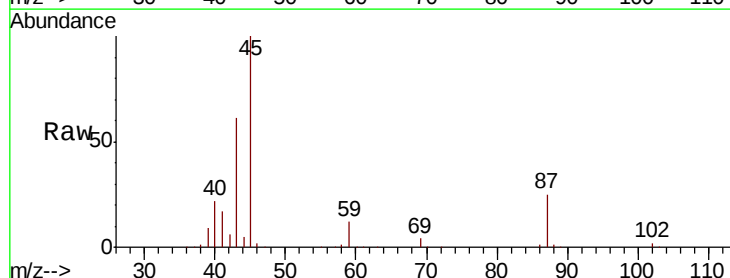
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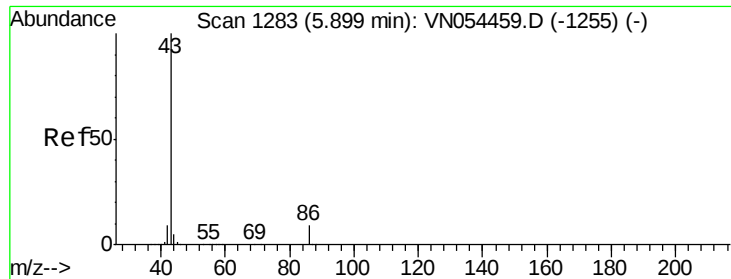
MMDadoda
3/22/2019 3:51:14 PM



#22
Diisopropyl ether
Concen: 21.908 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054481.D
Acq: 21 Mar 2019 00:16

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.3	48.2	72.2
87	24.3	24.9	37.3#
59	11.3	9.5	14.3





#23

Vinyl Acetate

Concen: 107.770 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054481.D

Acq: 21 Mar 2019 00:16

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBS01

Tot Ion: 43 Resp: 1397417

Ion Ratio Lower Upper

43 100

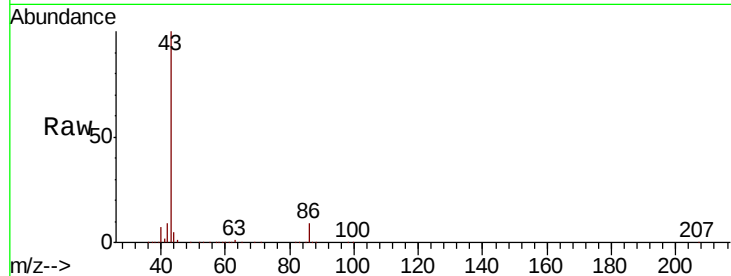
86 9.0 9.1 13.7#

Manual Integrations

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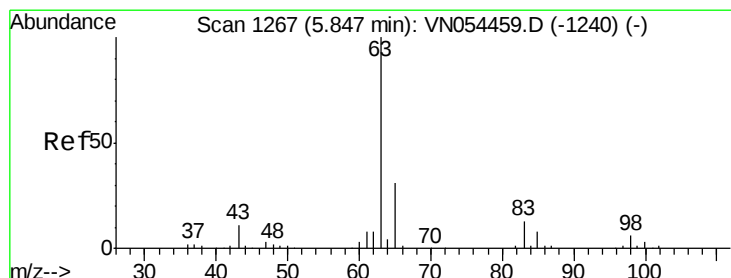
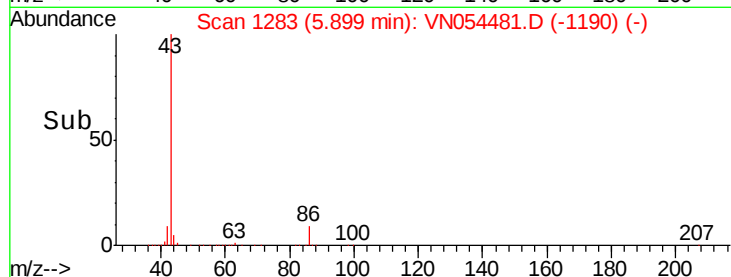
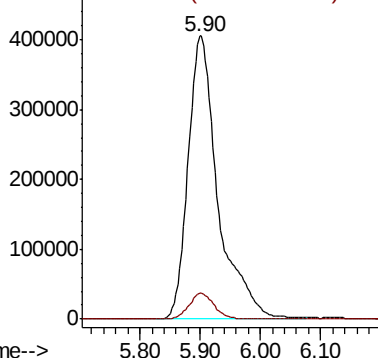
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 21.758 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN054481.D

Acq: 21 Mar 2019 00:16

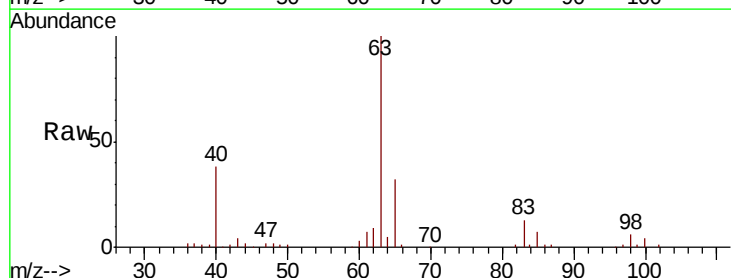
Tgt Ion: 63 Resp: 215082

Ion Ratio Lower Upper

63 100

98 6.1 3.5 10.5

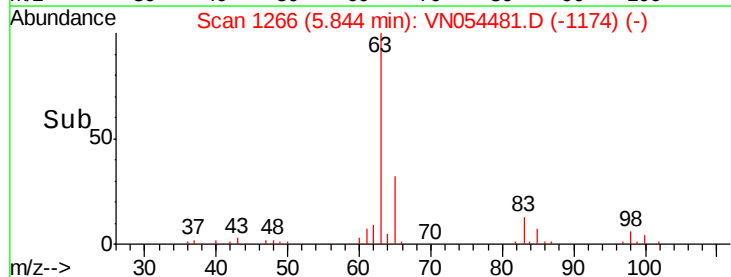
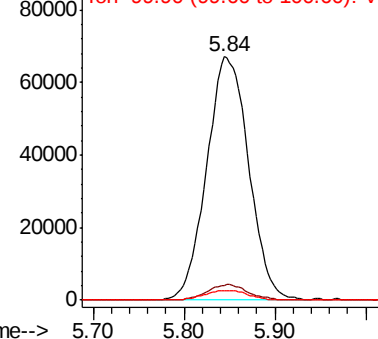
100 3.9 2.0 6.0

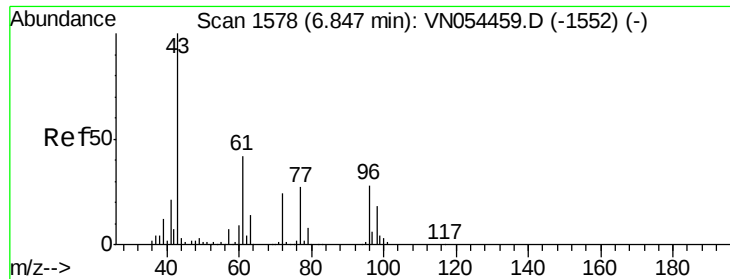


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





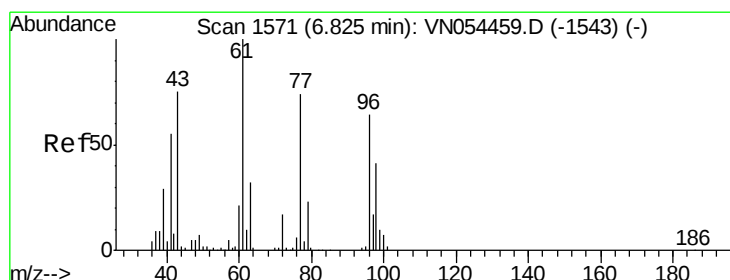
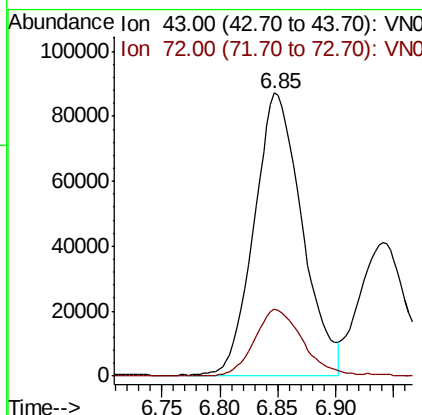
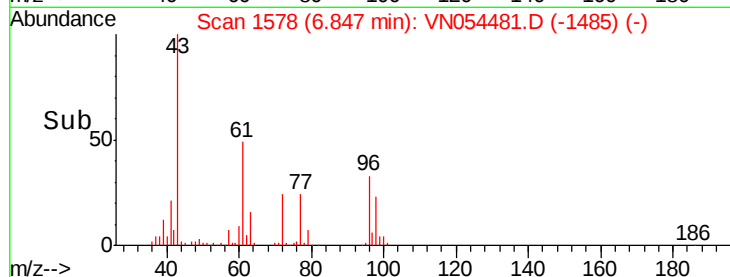
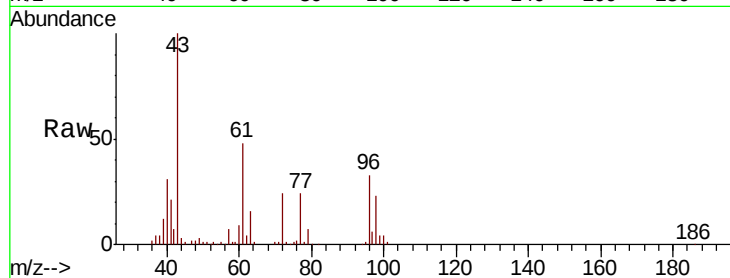
#25
2-Butanone
Concen: 101.444 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VN054481.D
Acq: 21 Mar 2019 00:16

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBS01

Tot Ion: 43 Resp: 249036
Ion Ratio Lower Upper
43 100
72 23.7 23.0 34.6

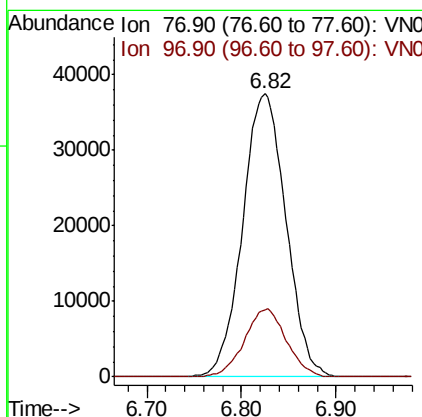
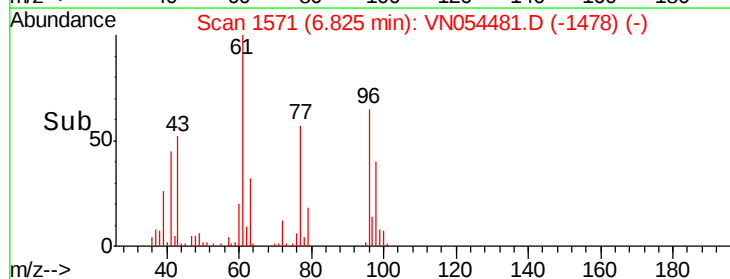
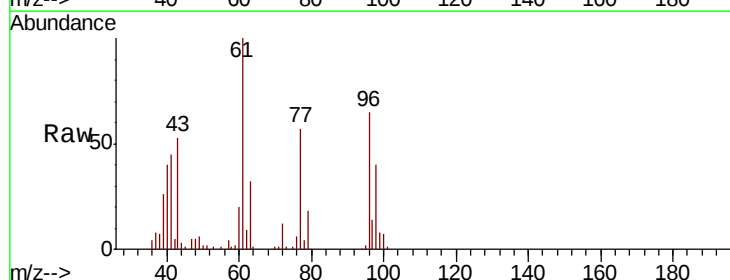
Manual Integrations
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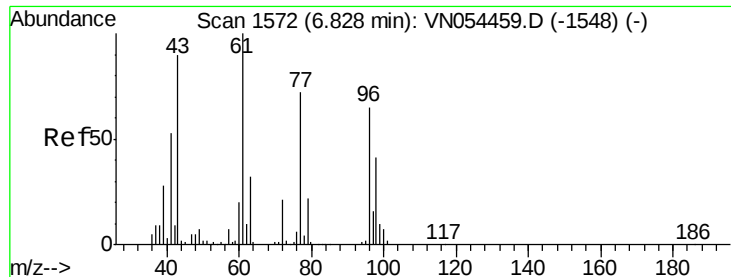
MMDadoda
3/22/2019 3:51:14 PM



#26
2,2-Dichloropropane
Concen: 16.867 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN054481.D
Acq: 21 Mar 2019 00:16

Tgt Ion: 77 Resp: 118859
Ion Ratio Lower Upper
77 100
97 23.2 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 21.242 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054481.D

Acq: 21 Mar 2019 00:16

Instrument :

MSVOA_N

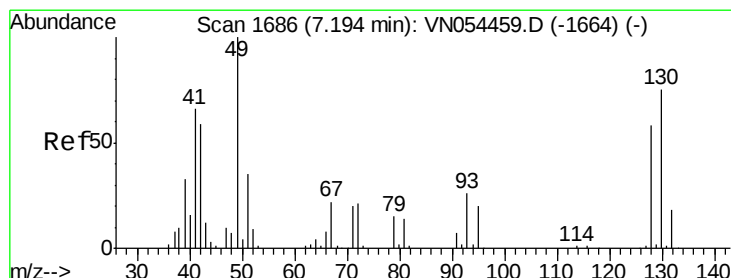
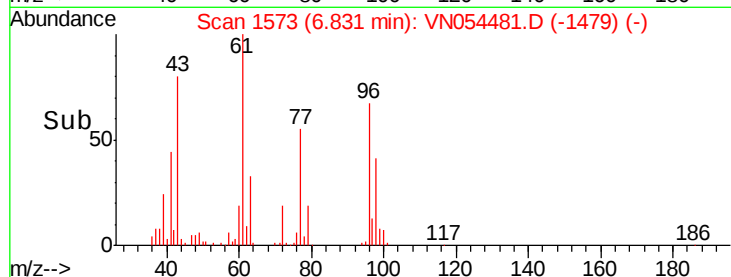
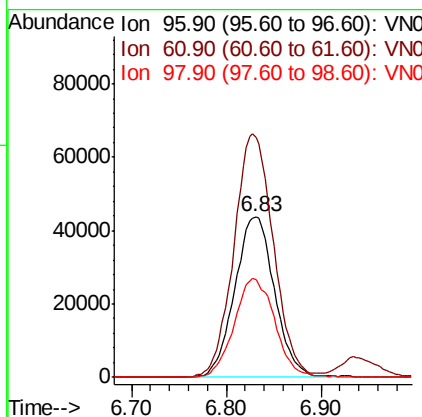
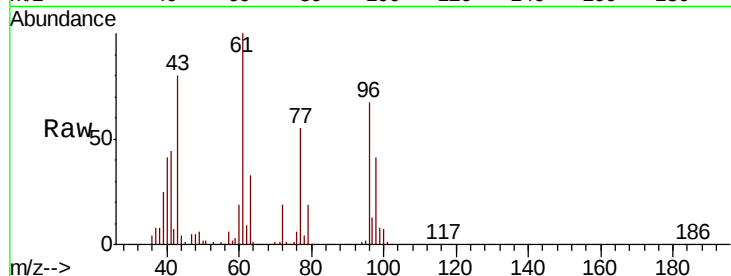
ClientSampleId :

VN0320WBS01

Tot Ion:	96	Resp:	127879
Ion	Ratio	Lower	Upper
96	100		
61	150.5	0.0	273.0
98	62.8	0.0	130.6

Manual Integrations
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#28

Bromochloromethane

Concen: 21.157 ug/l

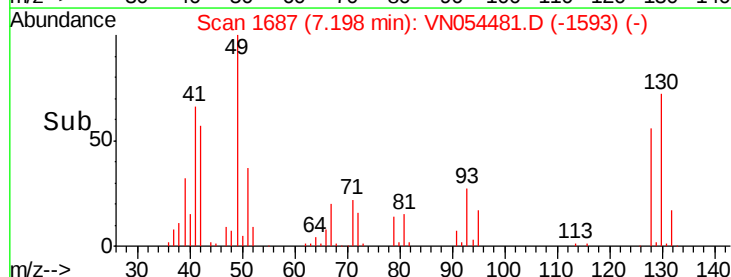
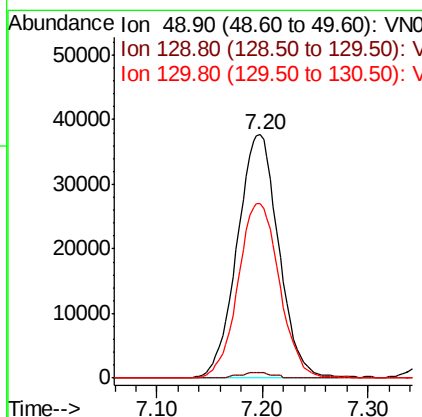
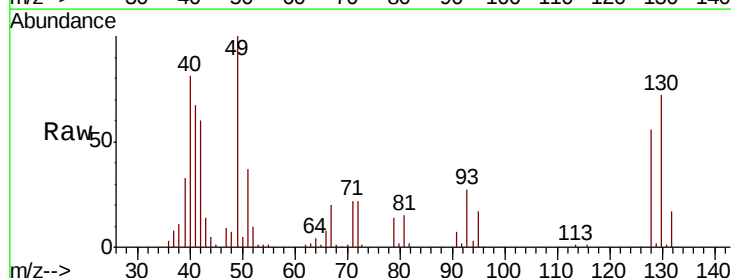
RT: 7.20 min Scan# 1687

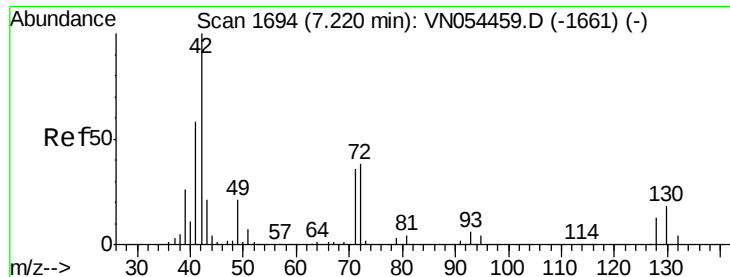
Delta R.T. 0.00 min

Lab File: VN054481.D

Acq: 21 Mar 2019 00:16

Tgt Ion:	49	Resp:	102947
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.6
130	71.4	76.7	115.1#





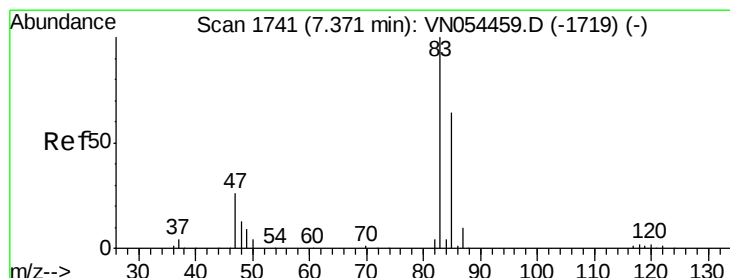
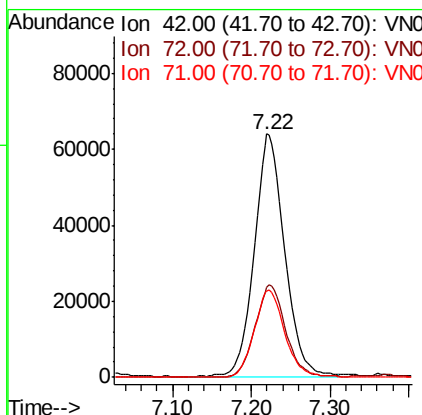
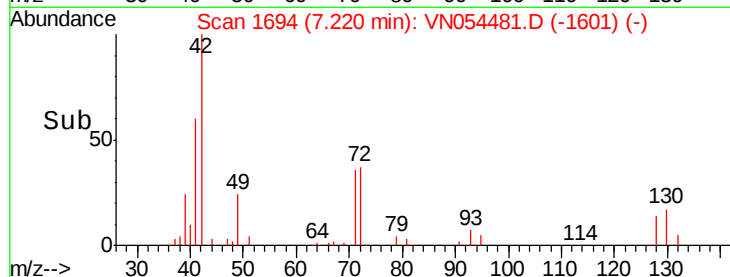
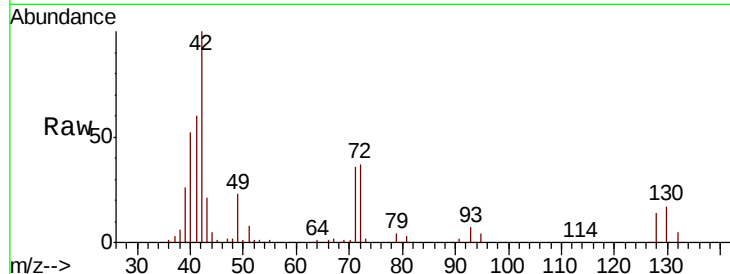
#29
Tetrahydrofuran
Concen: 110.772 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054481.D
Acq: 21 Mar 2019 00:16

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.0	37.8	56.6
71	35.6	36.2	54.2#

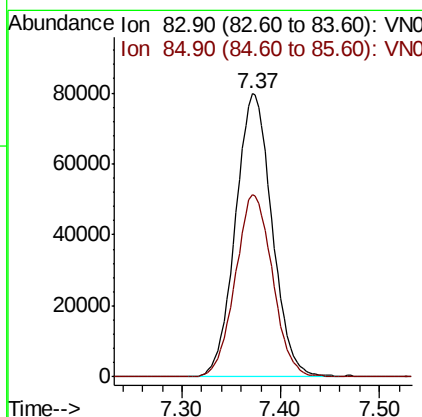
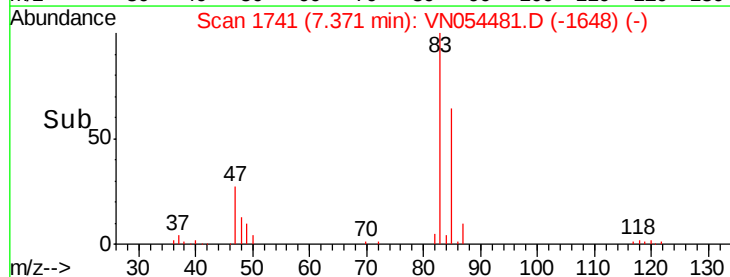
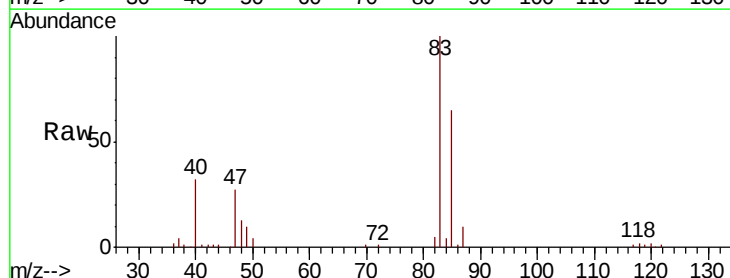
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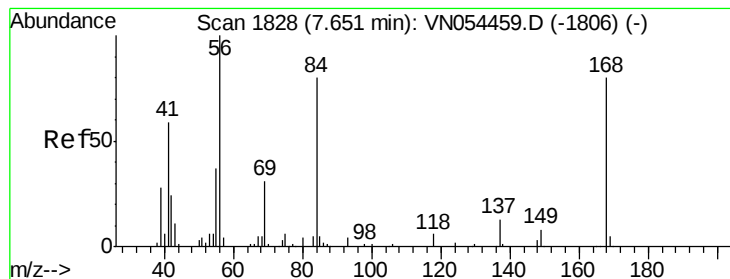
MMDadoda
3/22/2019 3:51:14 PM



#30
Chloroform
Concen: 21.242 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054481.D
Acq: 21 Mar 2019 00:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.2	78.4





#31

Cyclohexane

Concen: 21.033 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054481.D

Acq: 21 Mar 2019 00:16

Instrument :

MSVOA_N

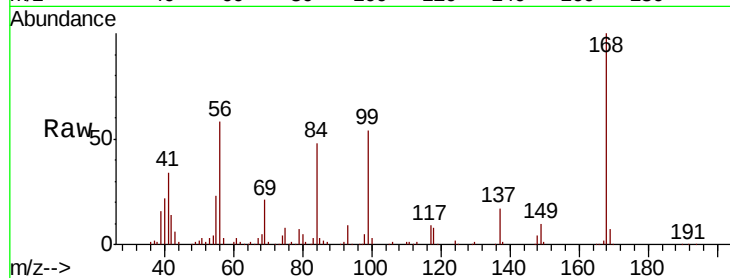
ClientSampleId :

VN0320WBS01

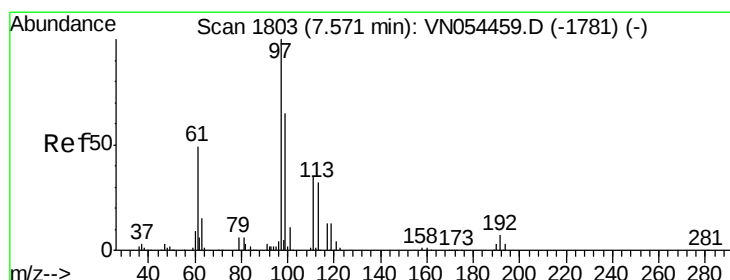
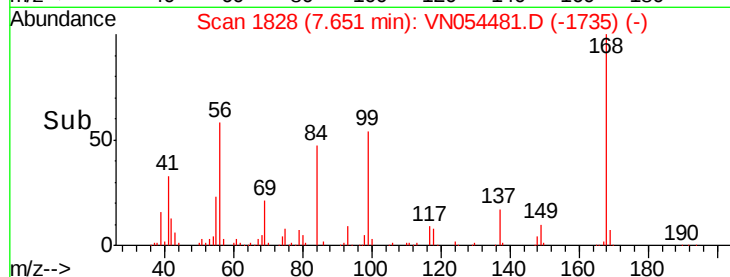
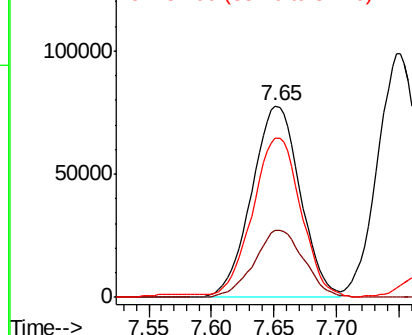
Tot Ion:	56	Resp:	209417
Ion Ratio	Lower	Upper	
56	100		
69	35.4	27.8	41.6
84	81.7	74.6	111.8

Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 21.426 ug/l

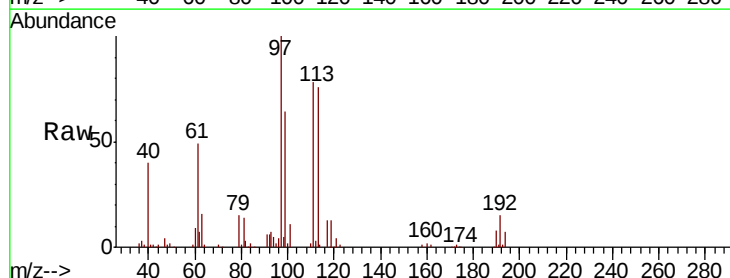
RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

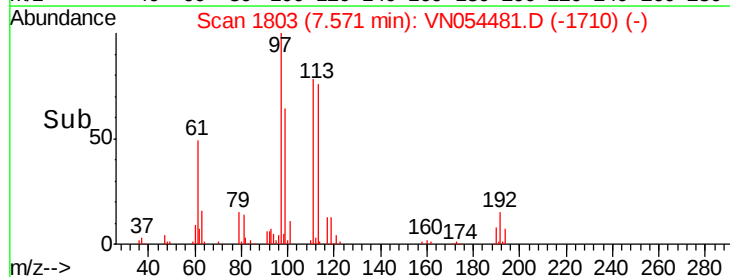
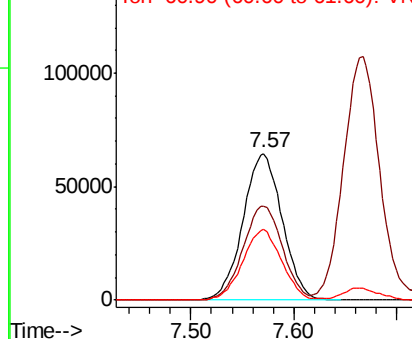
Lab File: VN054481.D

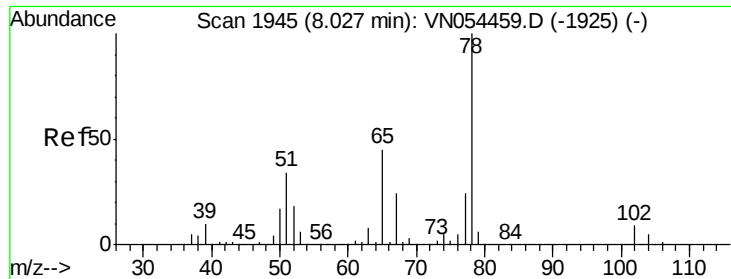
Acq: 21 Mar 2019 00:16

Tgt Ion:	97	Resp:	170528
Ion Ratio	Lower	Upper	
97	100		
99	64.6	51.5	77.3
61	47.9	33.6	50.4



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





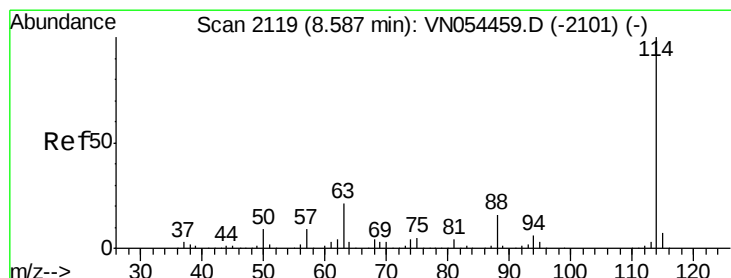
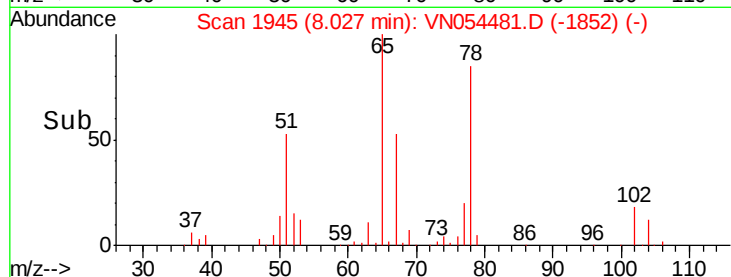
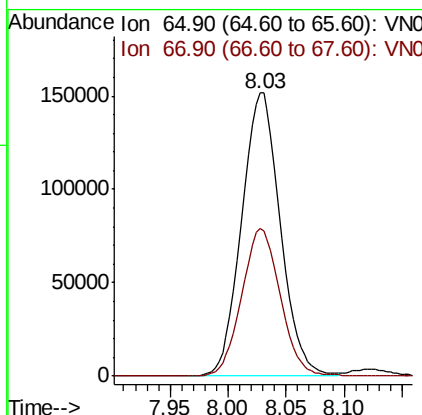
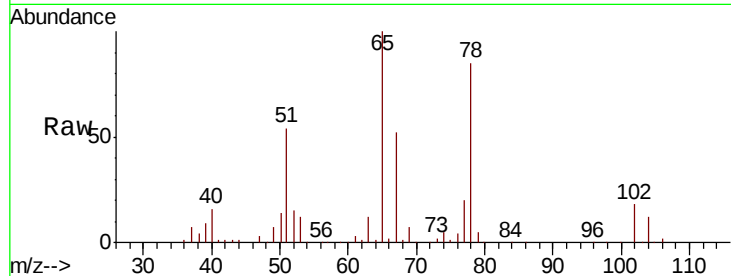
#33
 1,2-Dichloroethane-d4
 Concen: 55.408 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054481.D
 Acq: 21 Mar 2019 00:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.0	0.0	104.6	

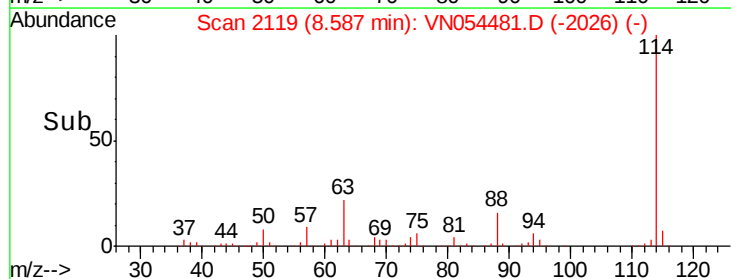
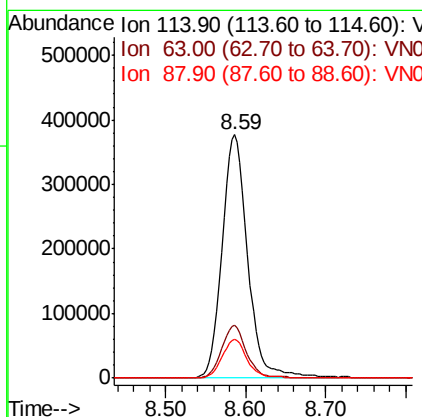
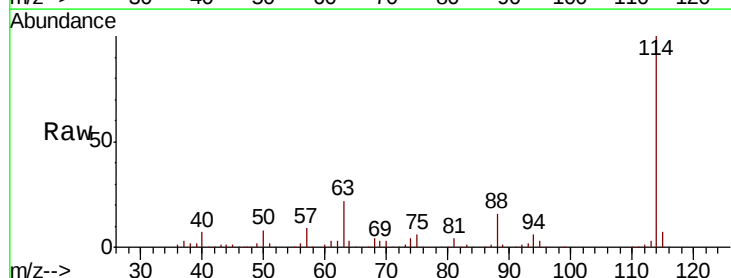
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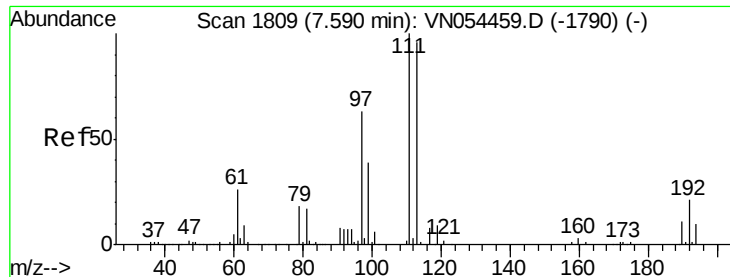
MMDadoda
 3/22/2019 3:51:14 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054481.D
 Acq: 21 Mar 2019 00:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.8	0.0	35.2	
88	16.0	0.0	30.2	





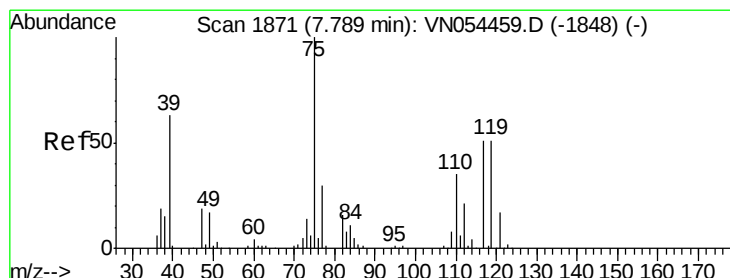
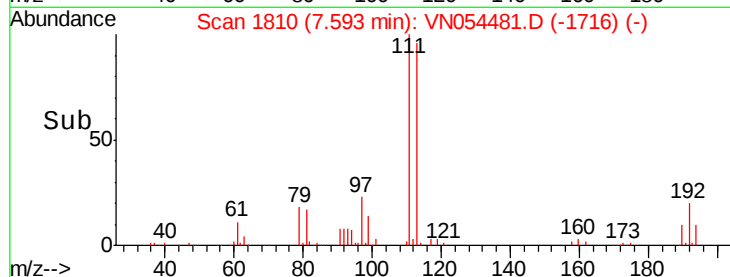
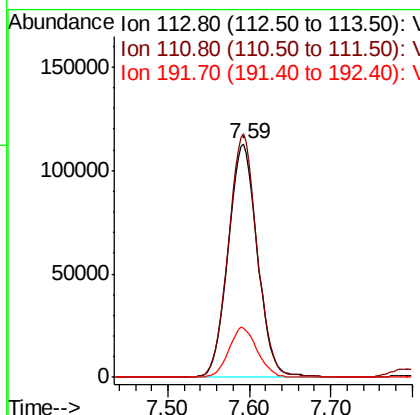
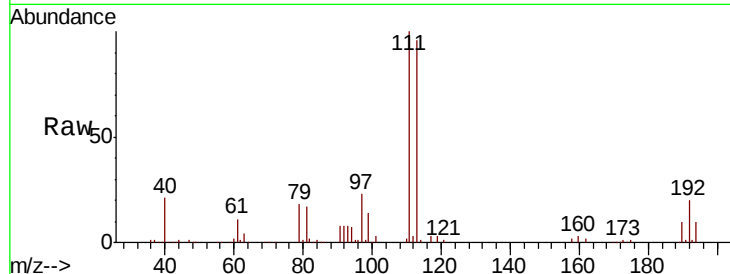
#35
Dibromofluoromethane
Concen: 52.908 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN054481.D
Acq: 21 Mar 2019 00:16

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.8	82.2	123.4	
192	20.8	19.2	28.8	

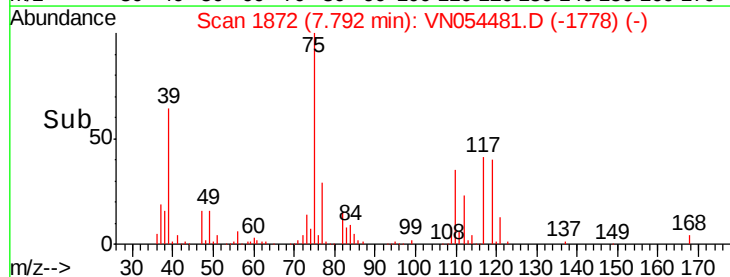
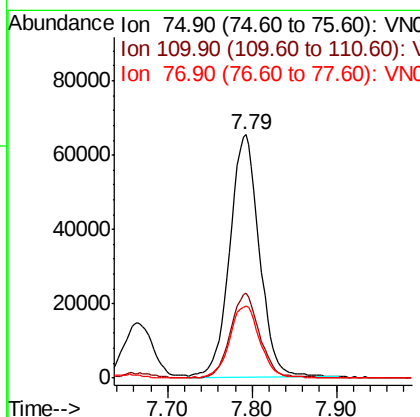
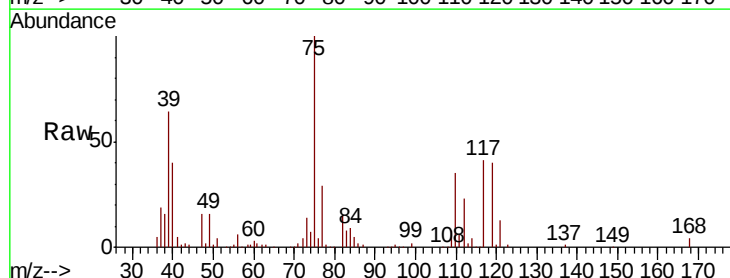
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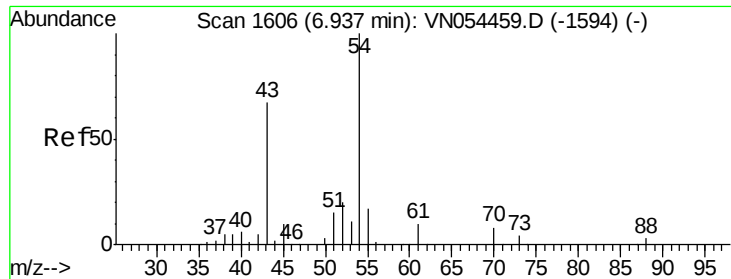
MMDadoda
3/22/2019 3:51:14 PM



#36
1,1-Dichloropropene
Concen: 20.566 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN054481.D
Acq: 21 Mar 2019 00:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.3	19.1	57.5	
77	30.6	25.0	37.4	





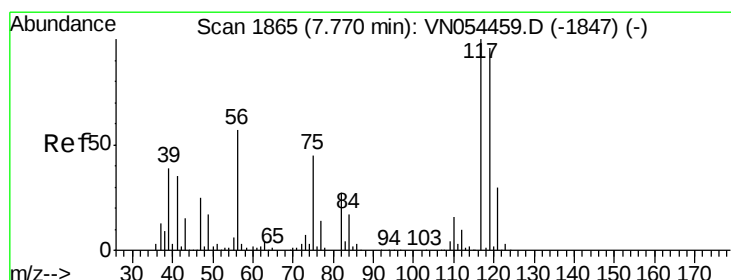
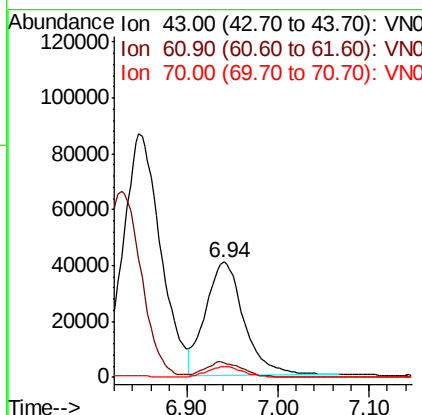
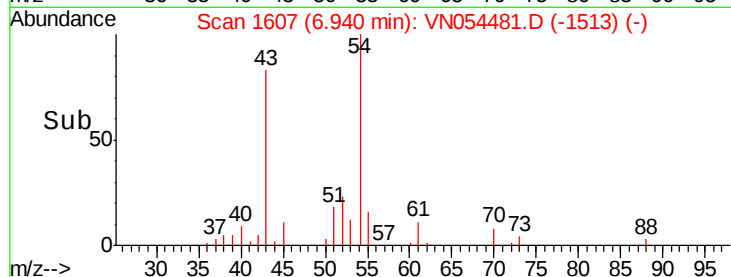
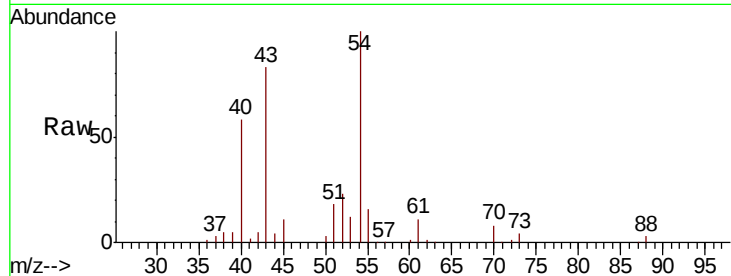
#37
Ethyl Acetate
Concen: 21.712 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054481.D
Acq: 21 Mar 2019 00:16

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBS01

Tot Ion: 43 Resp: 120062
Ion Ratio Lower Upper
43 100
61 11.7 11.8 17.6#
70 9.0 8.4 12.6

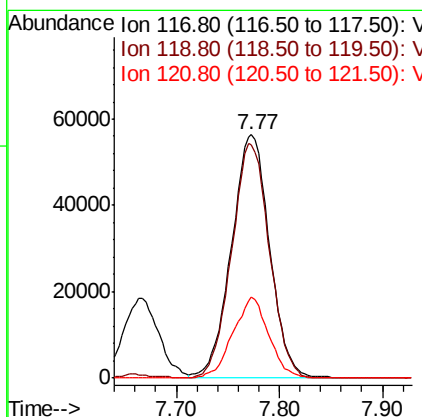
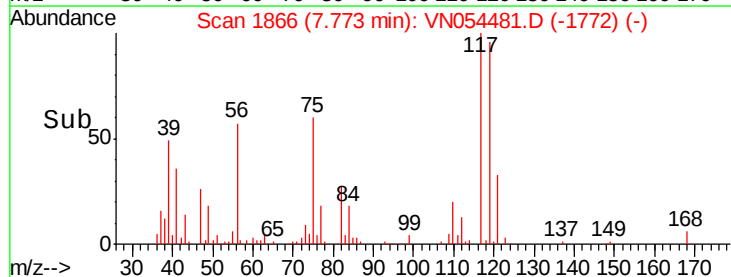
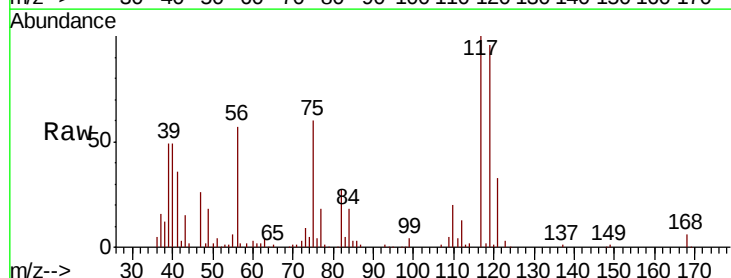
Manual Integrations
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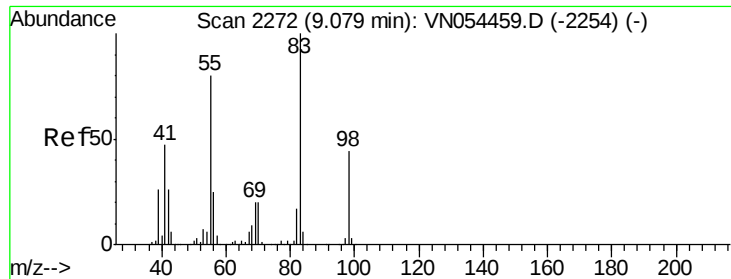
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.225 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054481.D
Acq: 21 Mar 2019 00:16

Tgt Ion: 117 Resp: 145254
Ion Ratio Lower Upper
117 100
119 96.0 76.3 114.5
121 33.2 24.6 36.8





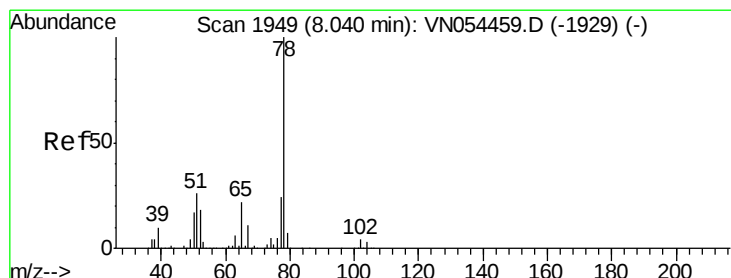
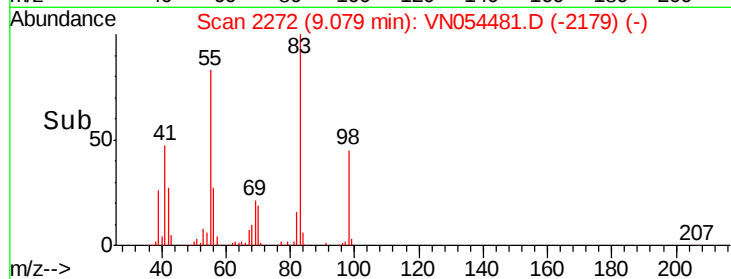
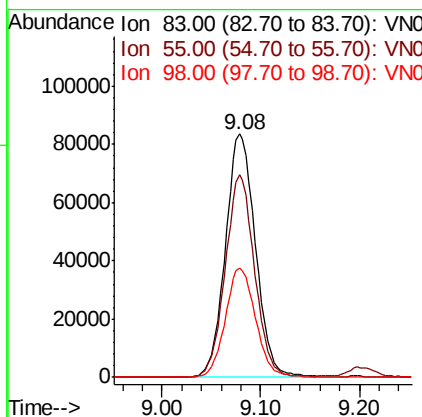
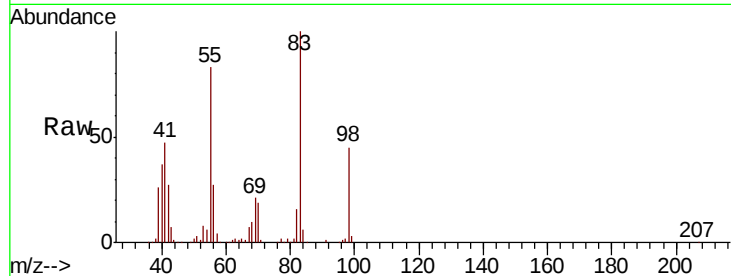
#39
Methvlcvclohexane
Concen: 20.044 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054481.D
Acq: 21 Mar 2019 00:16

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.0	56.6	84.8
98	44.7	38.4	57.6

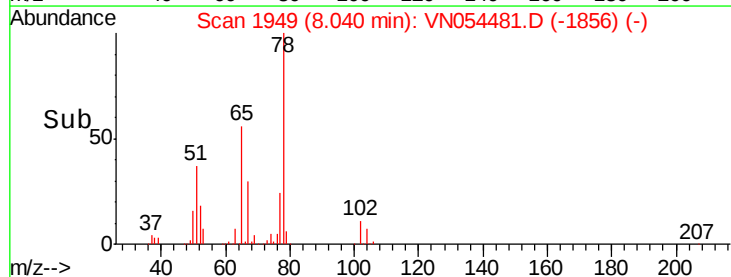
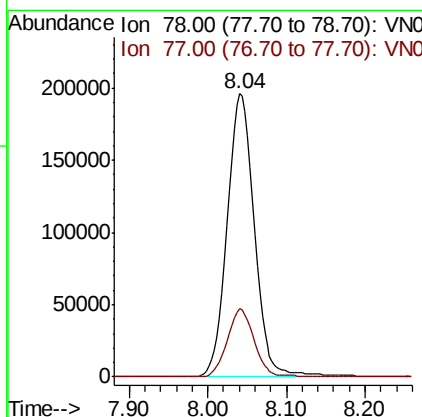
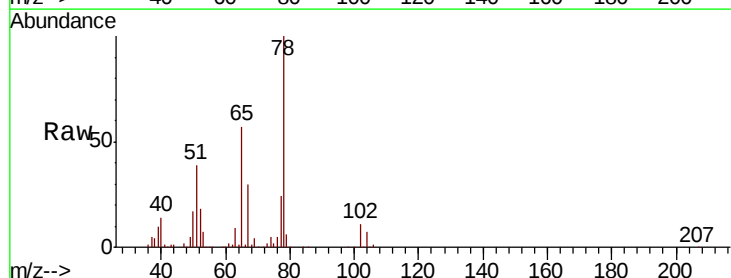
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#40
Benzene
Concen: 21.092 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054481.D
Acq: 21 Mar 2019 00:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.1	28.7





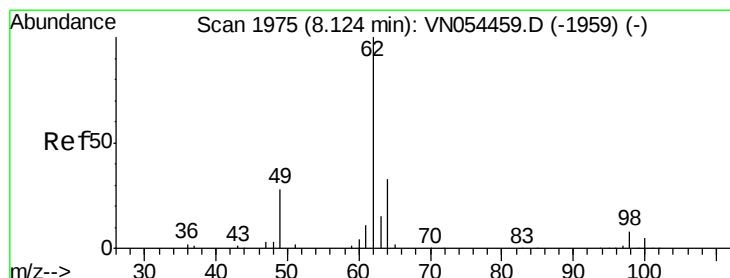
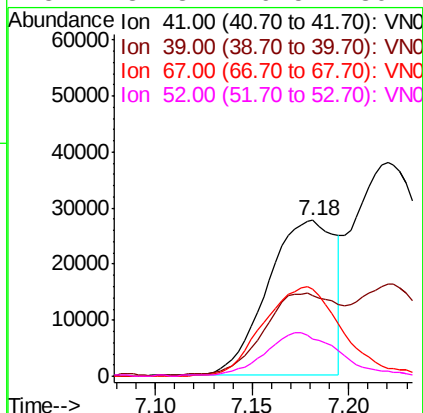
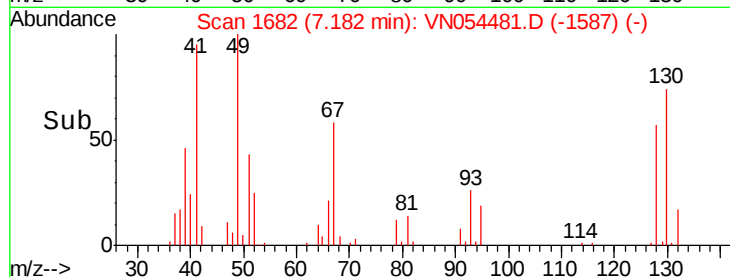
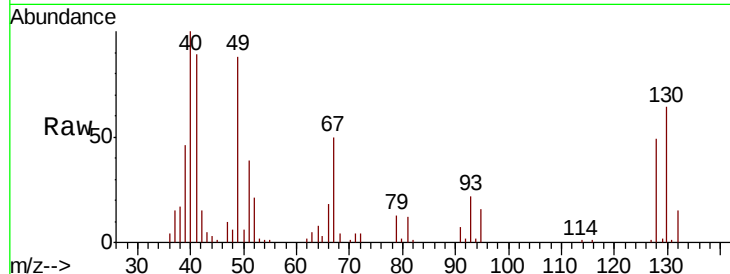
#41
Methacrylonitrile
Concen: 19.789 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN054481.D
Acq: 21 Mar 2019 00:16

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBS01

Tot Ion: 41 Resp: 66734
Ion Ratio Lower Upper
41 100
39 60.1 46.8 70.2
67 68.2 67.0 100.4
52 31.3 26.5 39.7

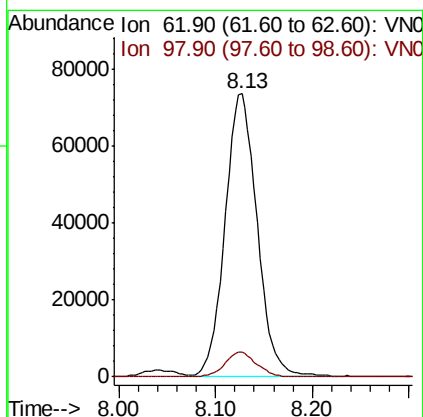
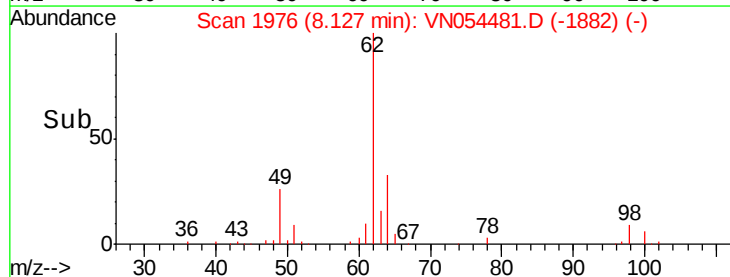
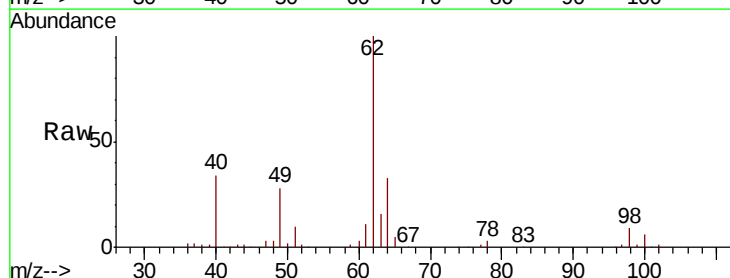
Manual Integrations
APPROVED

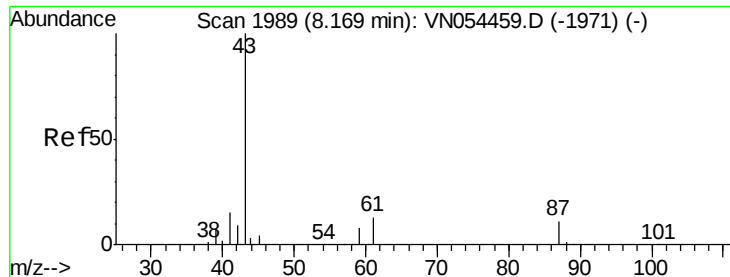
MMDadoda
3/22/2019 3:51:14 PM



#42
1,2-Dichloroethane
Concen: 20.772 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054481.D
Acq: 21 Mar 2019 00:16

Tgt Ion: 62 Resp: 168185
Ion Ratio Lower Upper
62 100
98 8.7 0.0 18.4





#43

Isopropyl Acetate

Concen: 20.719 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054481.D

Acq: 21 Mar 2019 00:16

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBS01

Tot Ion: 43 Resp: 193488

Ion Ratio Lower Upper

43 100

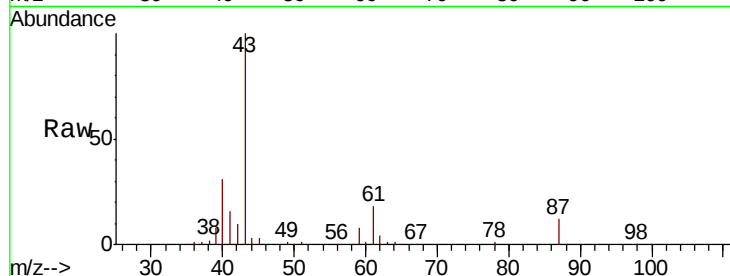
61 18.3 15.8 23.8

87 11.8 12.0 18.0#

Manual Integrations
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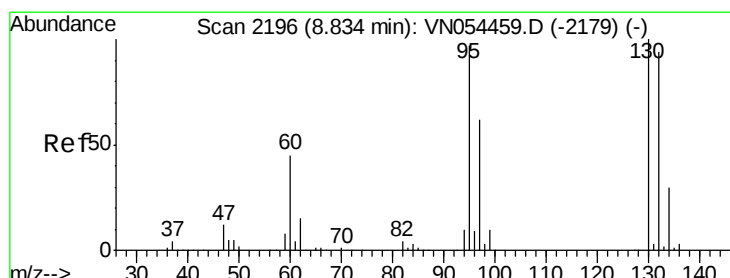
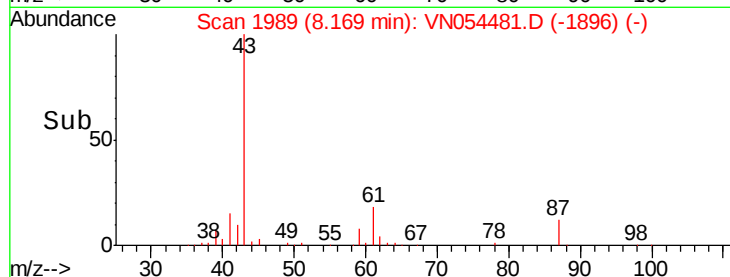
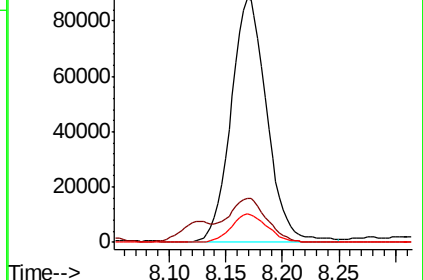
3/22/2019 3:51:14 PM



Abundance Ion 43.00 (42.70 to 43.70): VN054481.D (-2103) (-)

Ion 61.00 (60.70 to 61.70): VN054481.D (-2103) (-)

Ion 87.00 (86.70 to 87.70): VN054481.D (-2103) (-)



#44

Trichloroethene

Concen: 20.691 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054481.D

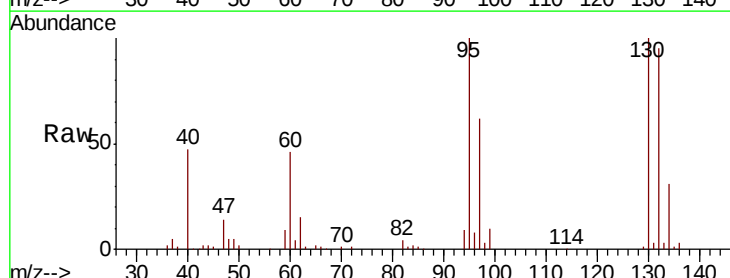
Acq: 21 Mar 2019 00:16

Tgt Ion:130 Resp: 127893

Ion Ratio Lower Upper

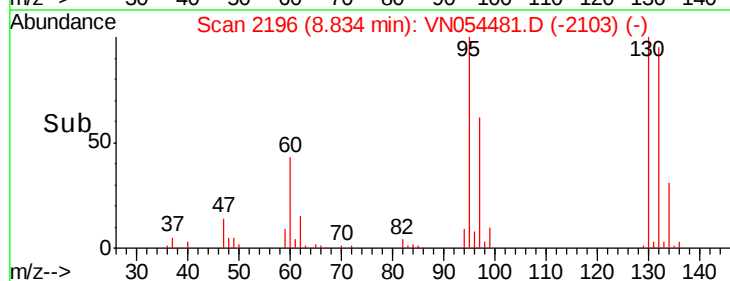
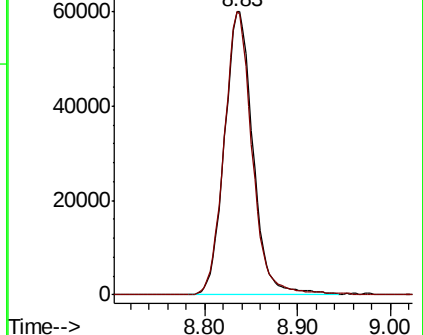
130 100

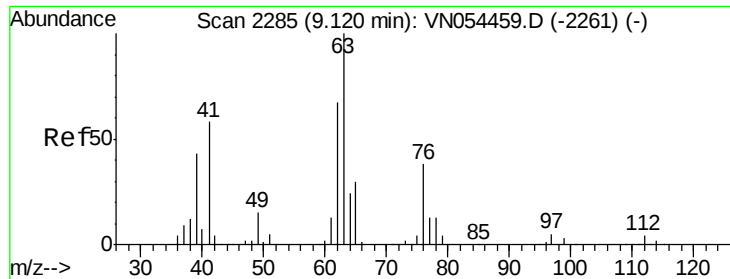
95 99.9 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054481.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN054481.D (-2103) (-)





#45

1,2-Dichloropropane

Concen: 21.565 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054481.D

Acq: 21 Mar 2019 00:16

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBS01

Tot Ion: 63 Resp: 128741

Ion Ratio Lower Upper

63 100

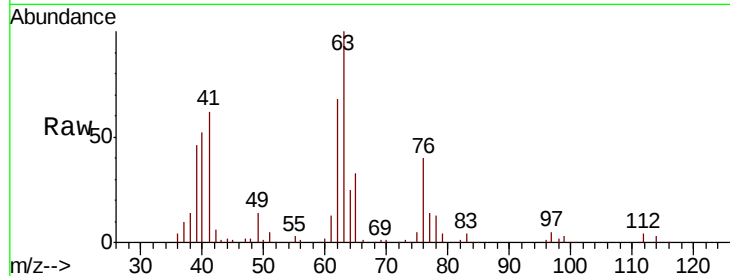
65 33.0 25.0 37.6

Manual Integrations

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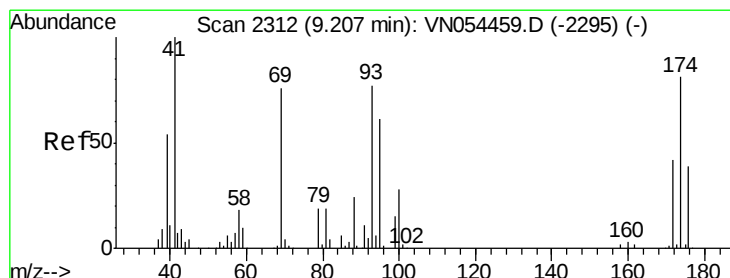
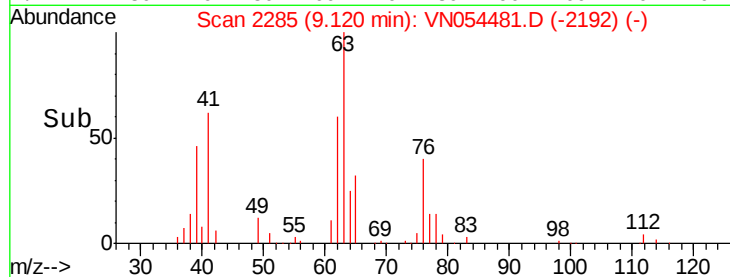
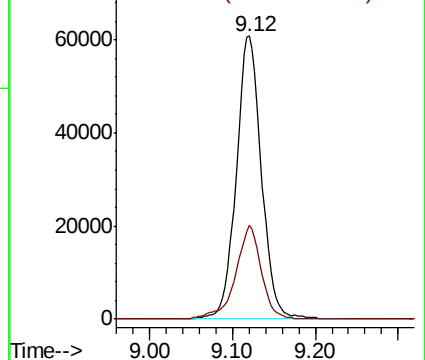
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 21.483 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054481.D

Acq: 21 Mar 2019 00:16

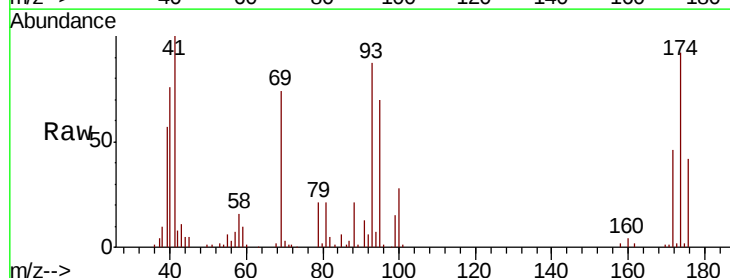
Tgt Ion: 93 Resp: 76513

Ion Ratio Lower Upper

93 100

95 82.1 66.7 100.1

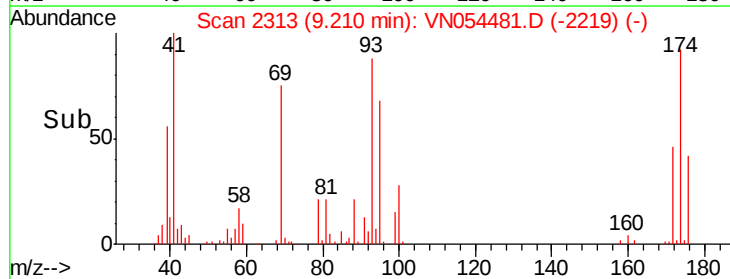
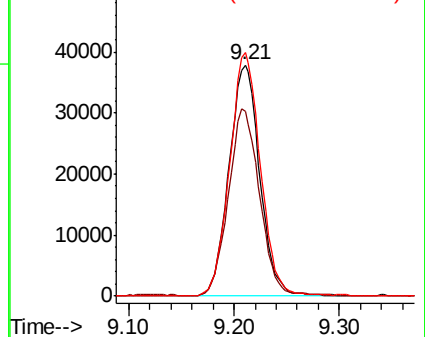
174 105.0 98.5 147.7



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





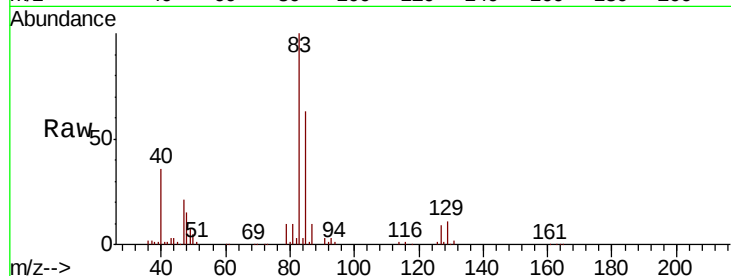
#47
Bromodichloromethane
Concen: 20.508 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN054481.D
Acq: 21 Mar 2019 00:16

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBS01

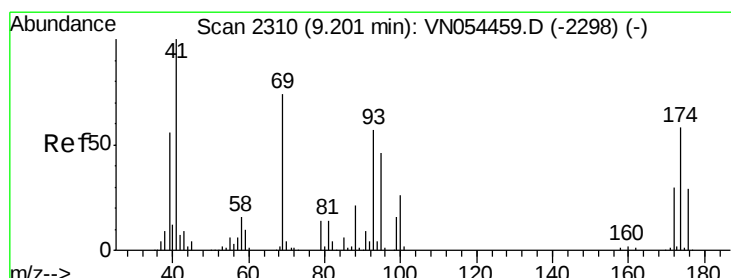
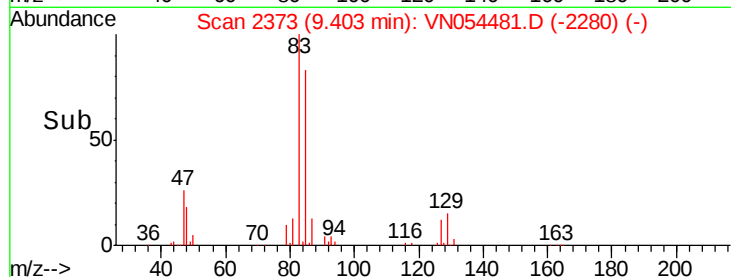
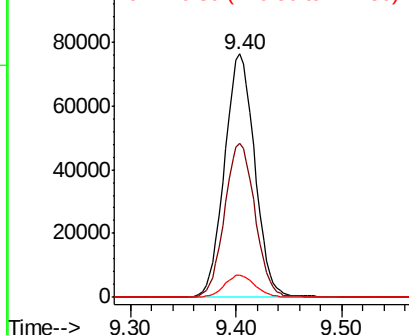
Tot Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.8	79.2
127	9.2	7.4	11.2

Manual Integrations
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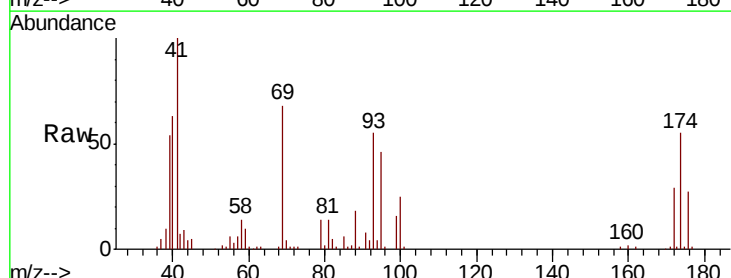


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

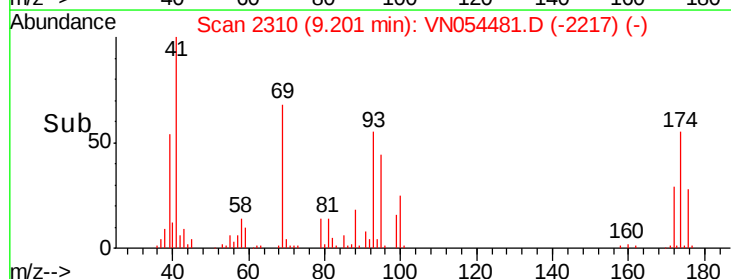
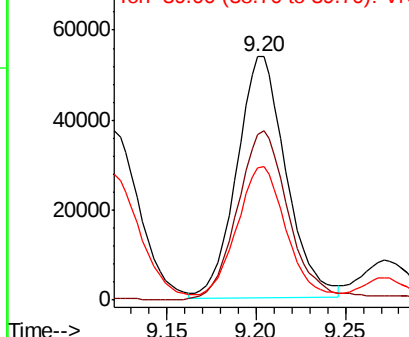


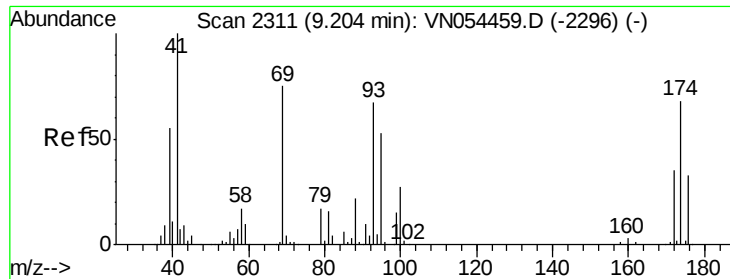
#48
Methyl methacrylate
Concen: 20.527 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN054481.D
Acq: 21 Mar 2019 00:16

Tgt Ion	Ratio	Lower	Upper
41	100		
69	73.3	72.6	108.8
39	55.5	47.5	71.3



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





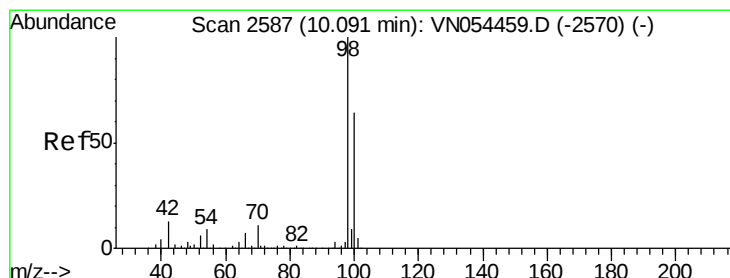
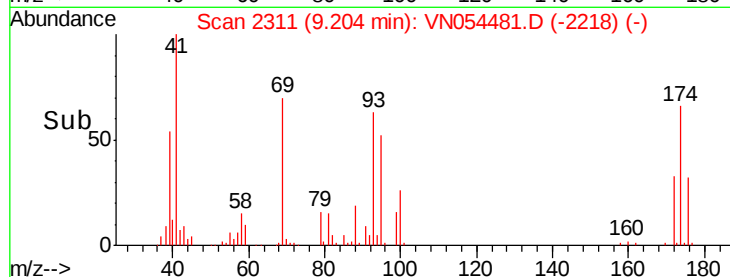
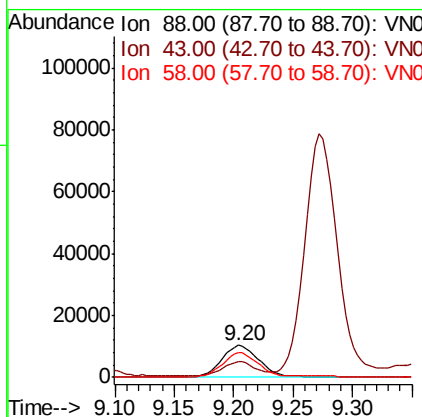
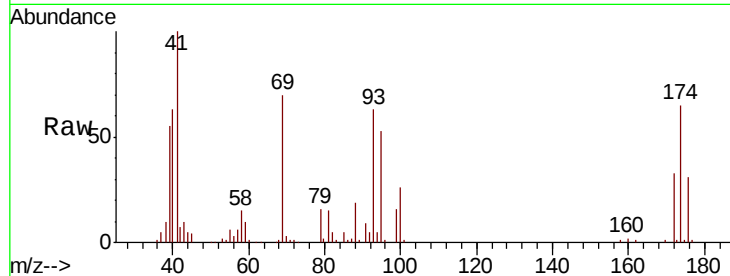
#49
1,4-Dioxane
Concen: 399.374 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054481.D
Acq: 21 Mar 2019 00:16

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.6	24.1	36.1#
58	74.1	50.8	76.2

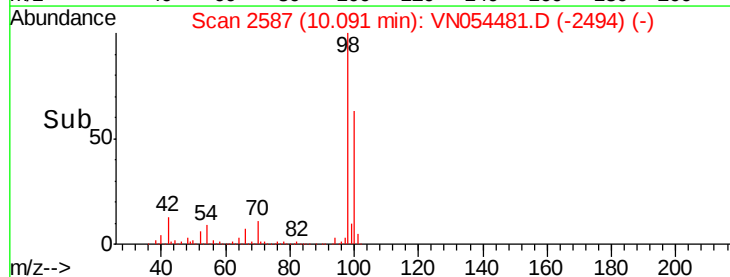
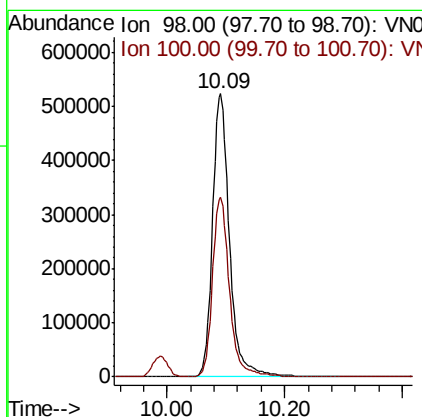
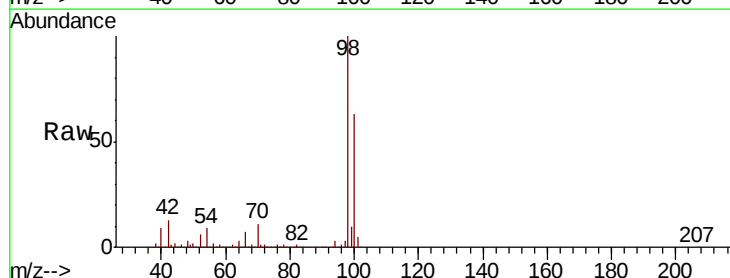
Manual Integrations
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#50
Toluene-d8
Concen: 52.101 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054481.D
Acq: 21 Mar 2019 00:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 105.962 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054481.D

Acq: 21 Mar 2019 00:16

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBS01

Tot Ion: 43 Resp: 548420

Ion Ratio Lower Upper

43 100

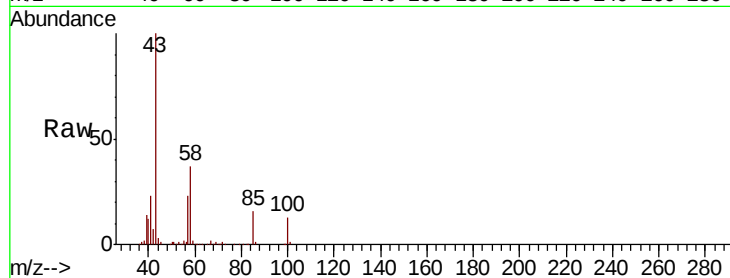
58 36.2 31.8 47.6

Manual Integrations

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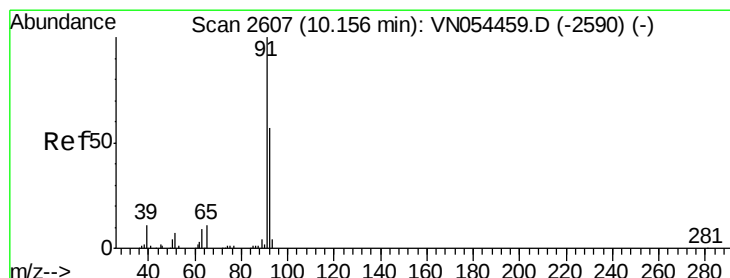
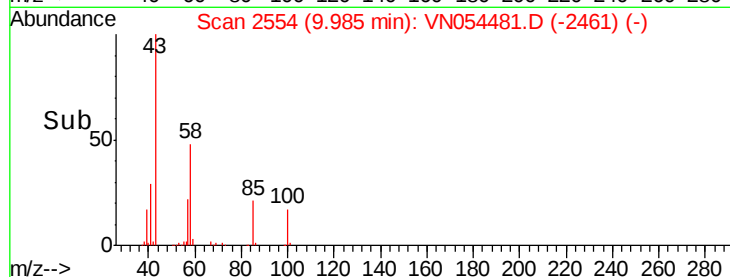
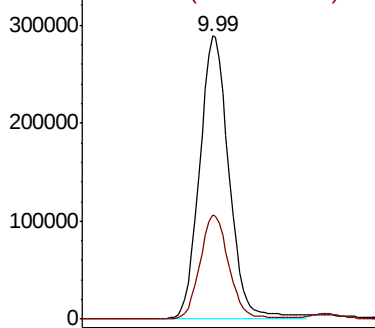
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.631 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054481.D

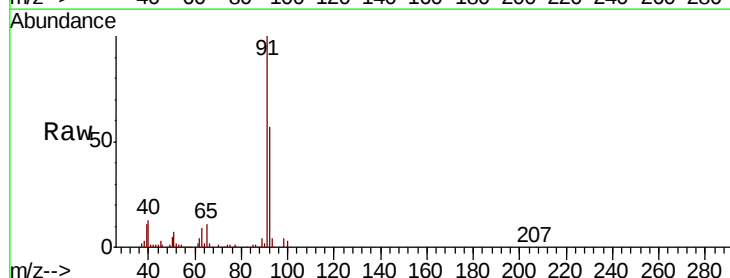
Acq: 21 Mar 2019 00:16

Tgt Ion: 92 Resp: 282112

Ion Ratio Lower Upper

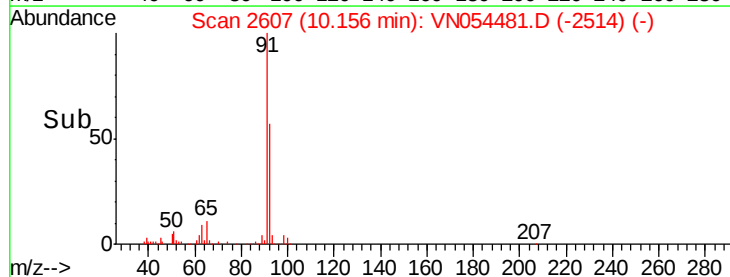
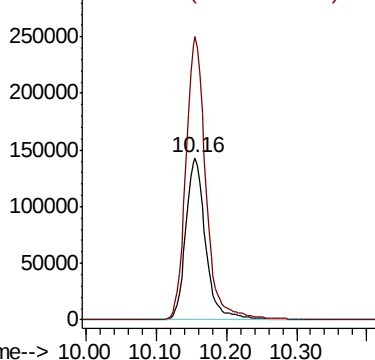
92 100

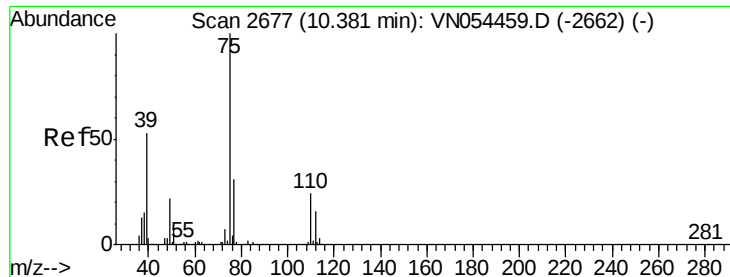
91 174.2 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





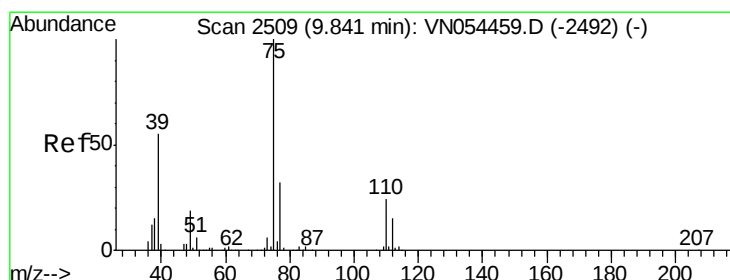
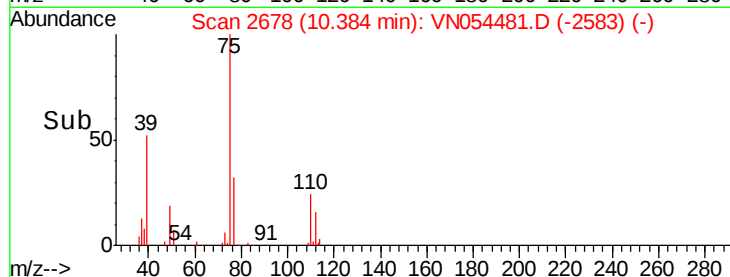
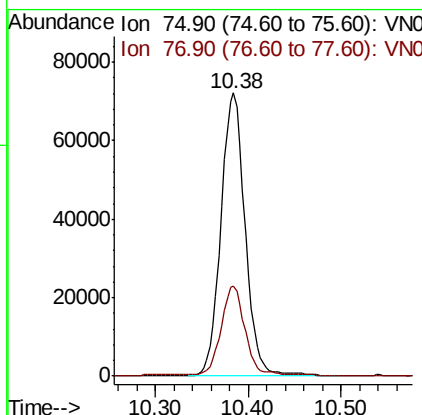
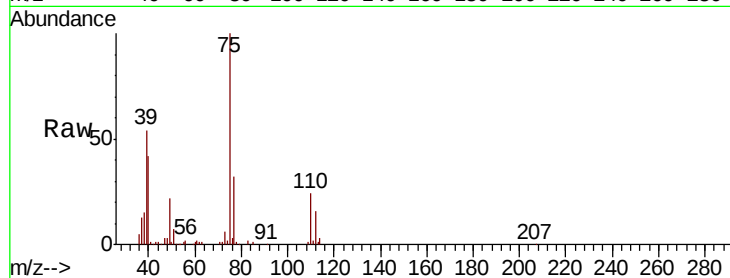
#53
t-1,3-Dichloropropene
Concen: 18.312 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN054481.D
Acq: 21 Mar 2019 00:16

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.8	38.8

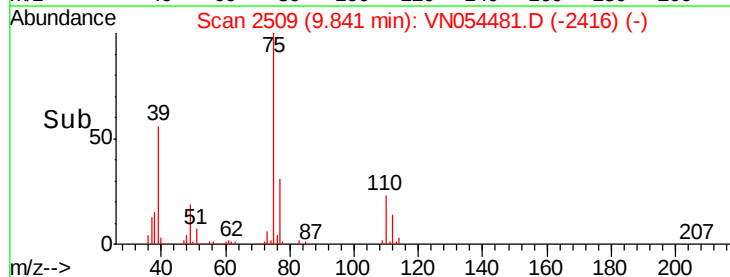
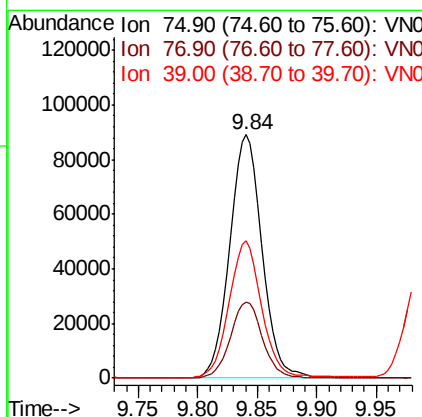
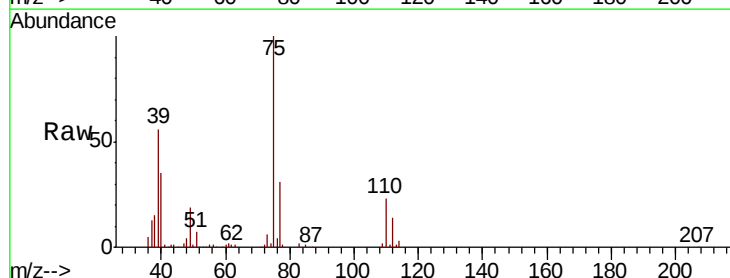
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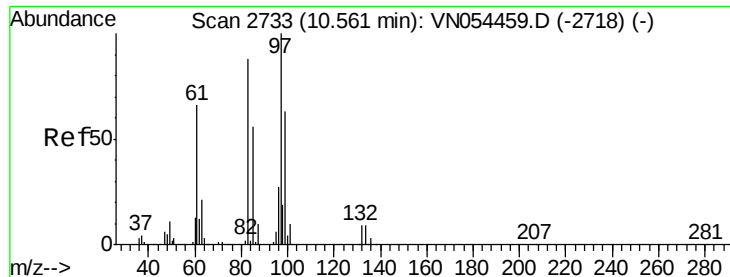
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.810 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN054481.D
Acq: 21 Mar 2019 00:16

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.4	38.0
39	56.2	37.2	55.8#





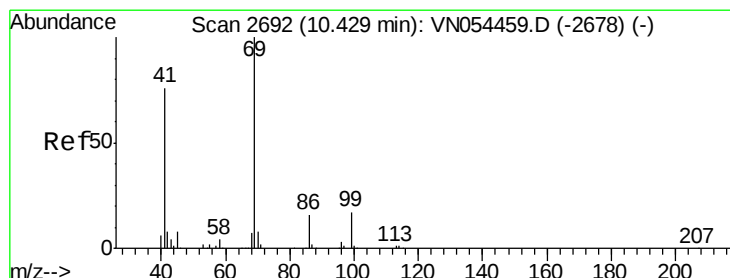
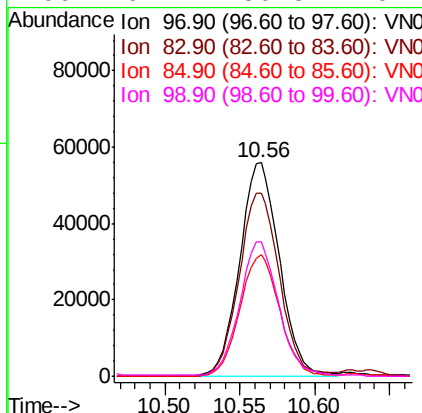
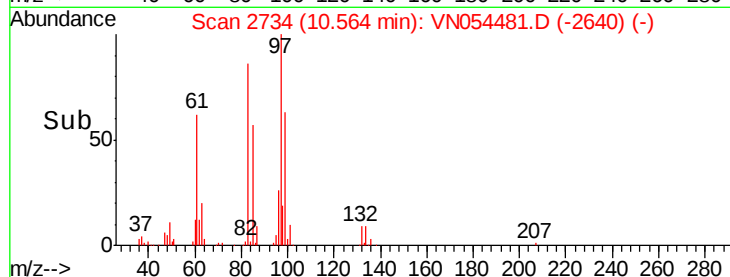
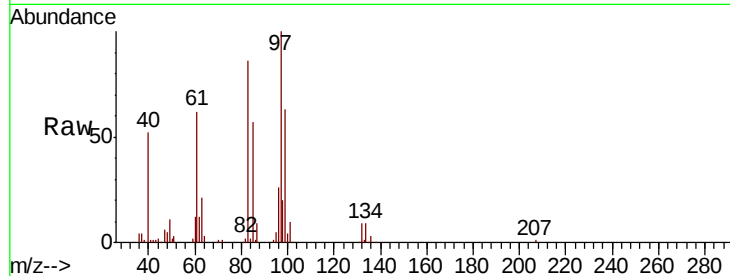
#55
 1,1,2-Trichloroethane
 Concen: 21.058 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054481.D
 Acq: 21 Mar 2019 00:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320WBS01

Tot Ion:	97	Resp:	103504
Ion	Ratio	Lower	Upper
97	100		
83	85.6	66.6	100.0
85	56.7	44.4	66.6
99	62.4	50.8	76.2

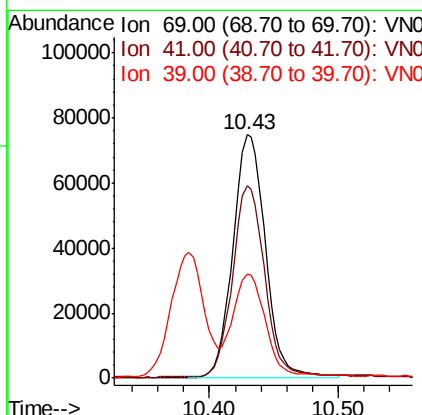
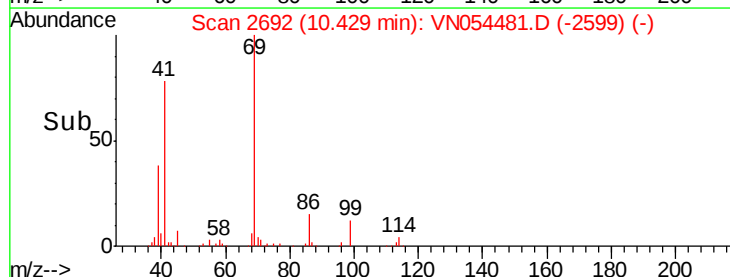
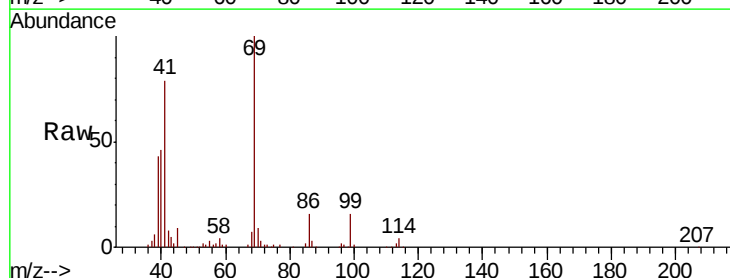
Manual Integrations
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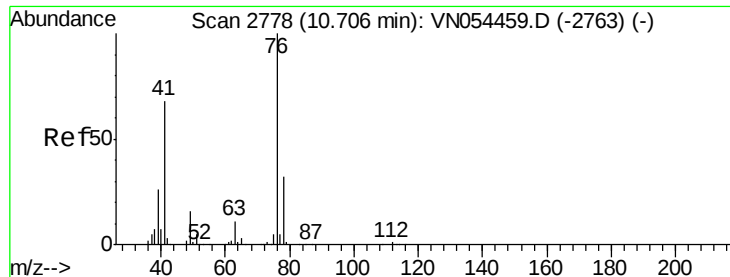
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#56
 Ethyl methacrylate
 Concen: 19.951 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054481.D
 Acq: 21 Mar 2019 00:16

Tgt Ion:	69	Resp:	131625
Ion	Ratio	Lower	Upper
69	100		
41	77.7	49.4	74.2#
39	41.9	28.3	42.5





#57

1,3-Dichloropropane

Concen: 21.093 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054481.D

Acq: 21 Mar 2019 00:16

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBS01

Tot Ion: 76 Resp: 180228

Ion Ratio Lower Upper

76 100

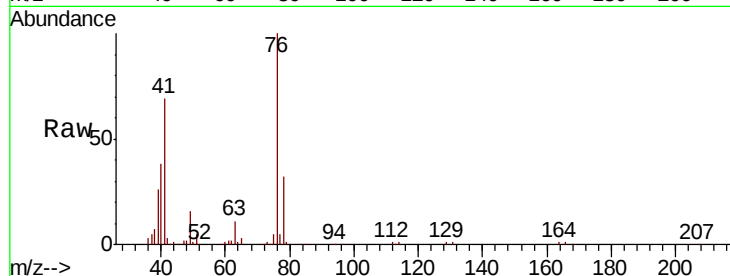
78 31.5 25.7 38.5

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

100000

80000

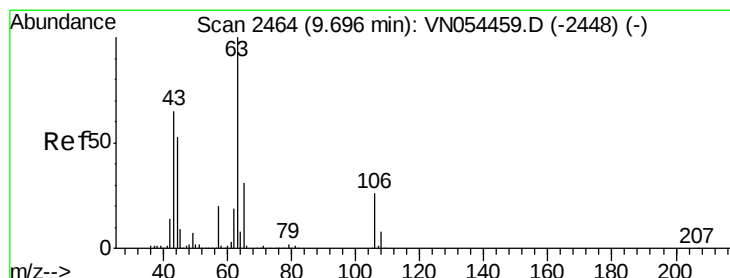
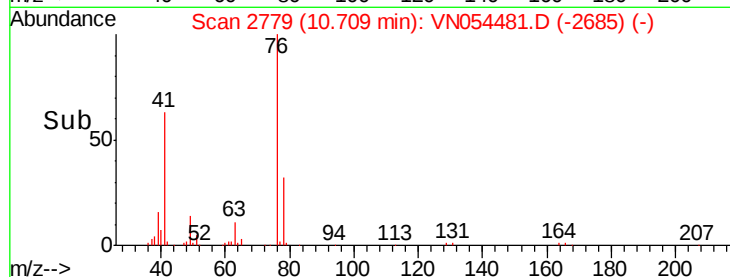
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 94.785 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054481.D

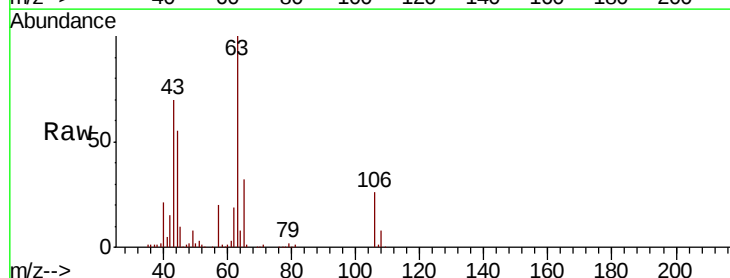
Acq: 21 Mar 2019 00:16

Tgt Ion: 63 Resp: 257496

Ion Ratio Lower Upper

63 100

106 26.0 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

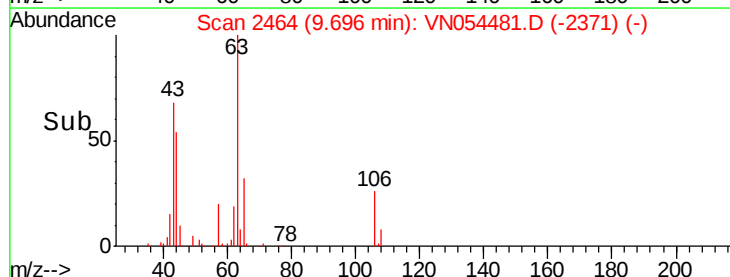
150000

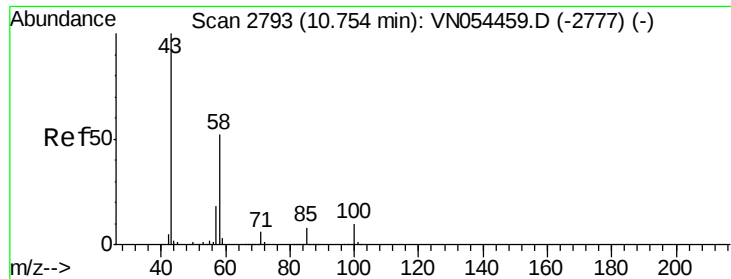
100000

50000

0

Time-->





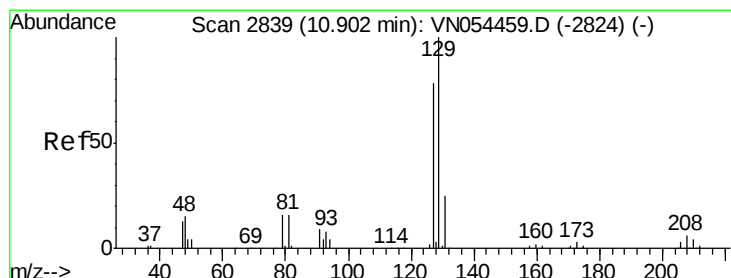
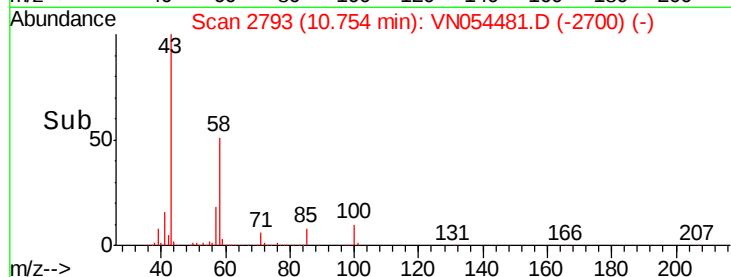
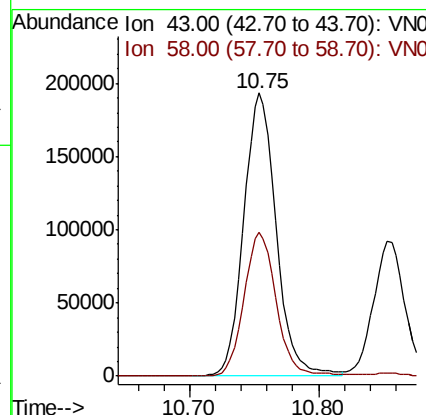
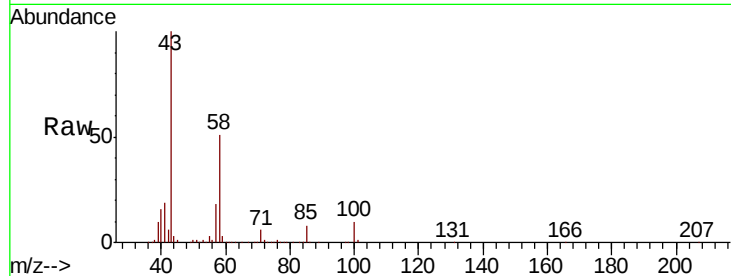
#59
2-Hexanone
Concen: 99.728 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054481.D
Acq: 21 Mar 2019 00:16

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBS01

Tot Ion: 43 Resp: 337148
Ion Ratio Lower Upper
43 100
58 50.8 28.0 83.9

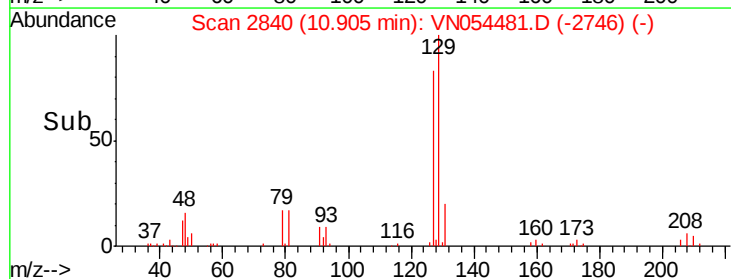
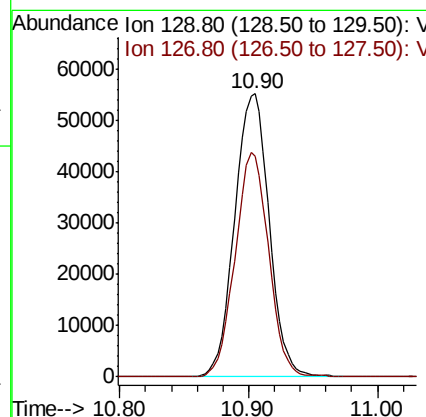
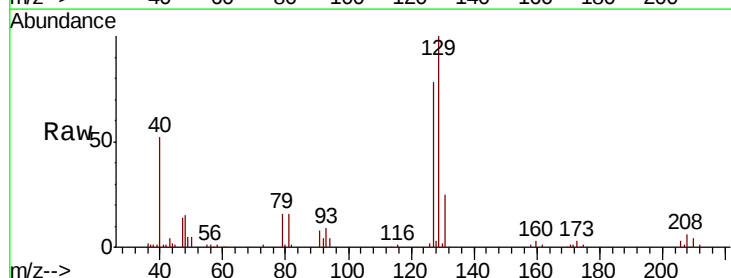
Manual Integrations
APPROVED

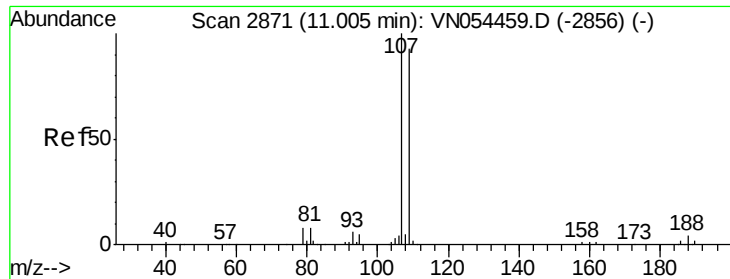
MMDadoda
3/22/2019 3:51:14 PM



#60
Dibromochloromethane
Concen: 19.640 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN054481.D
Acq: 21 Mar 2019 00:16

Tgt Ion: 129 Resp: 102723
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.8





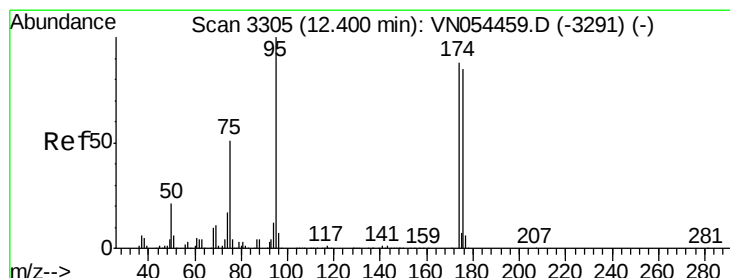
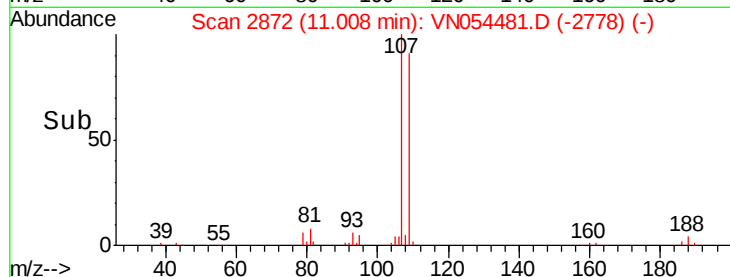
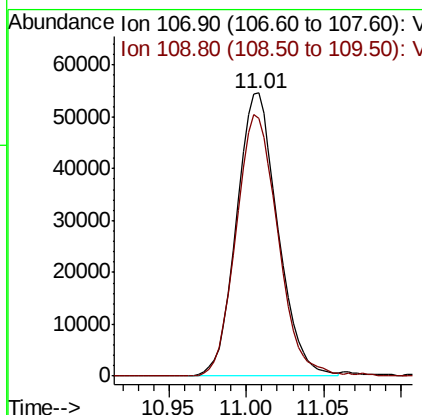
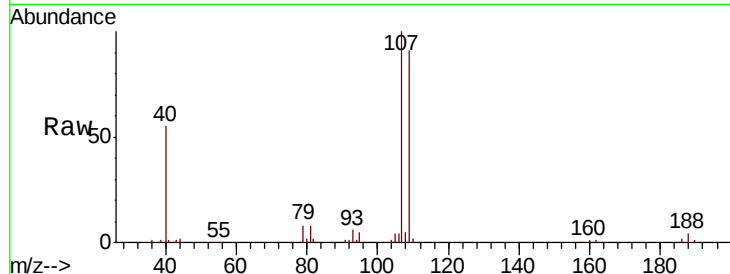
#61
 1,2-Dibromoethane
 Concen: 20.859 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054481.D
 Acq: 21 Mar 2019 00:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	75.9	113.9

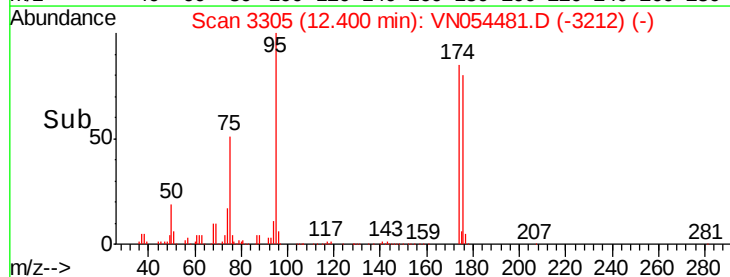
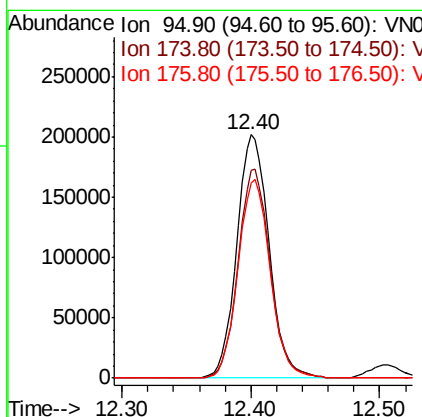
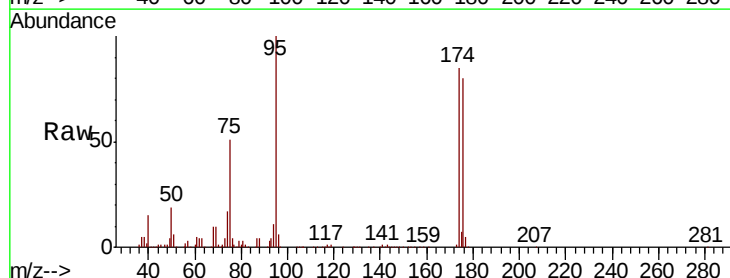
Manual Integrations
 APPROVED

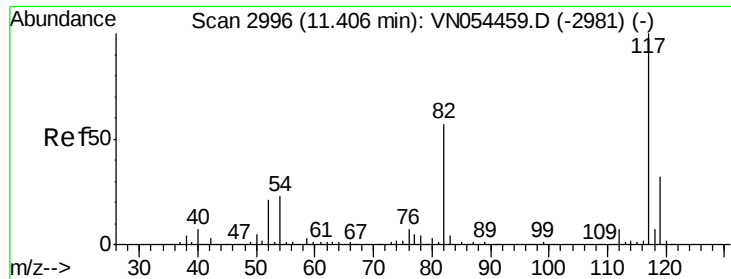
MMDadoda
 3/22/2019 3:51:14 PM



#62
 4-Bromofluorobenzene
 Concen: 51.287 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054481.D
 Acq: 21 Mar 2019 00:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.3	0.0	191.0
176	81.8	0.0	187.4





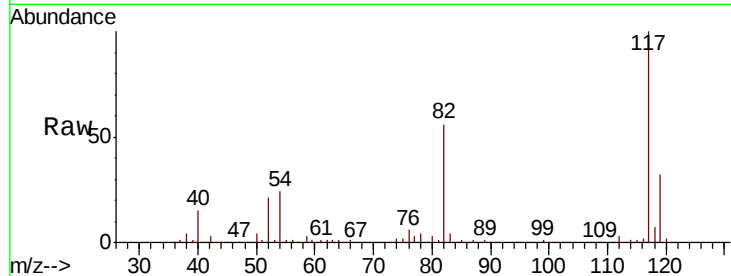
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054481.D
Acq: 21 Mar 2019 00:16

Instrument :
MSVOA_N
ClientSampled :
VN0320WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	40.0	60.0
119	32.3	25.8	38.6

Manual Integrations
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3/22/2019 3:51:14 PM

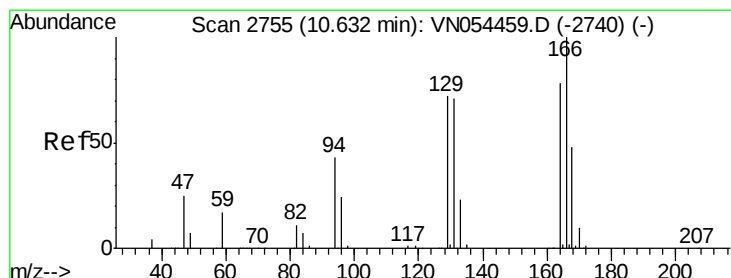
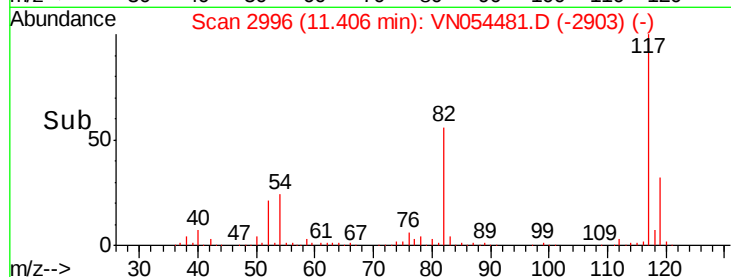
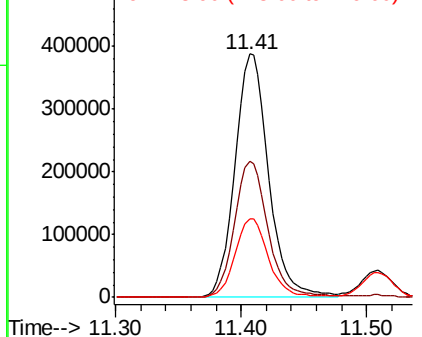


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.696 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054481.D
Acq: 21 Mar 2019 00:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	103.9	155.9
129	95.4	71.1	106.7
131	90.6	68.2	102.4

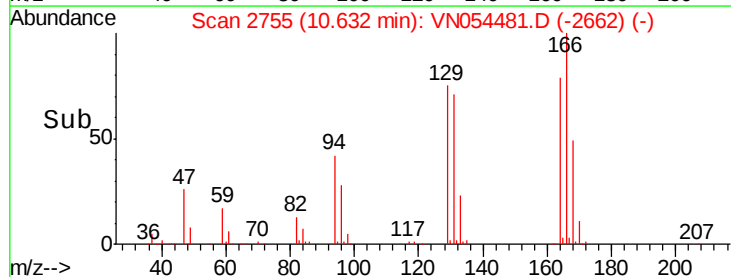
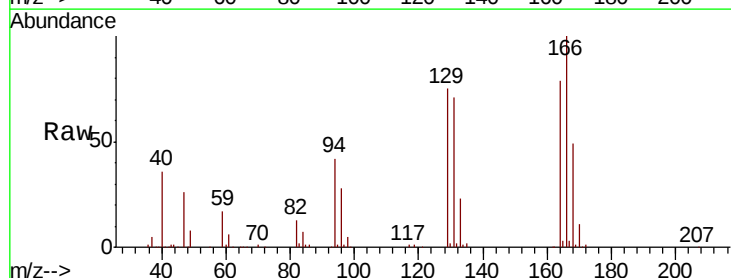
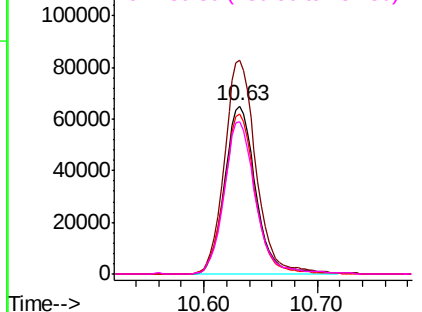
Abundance

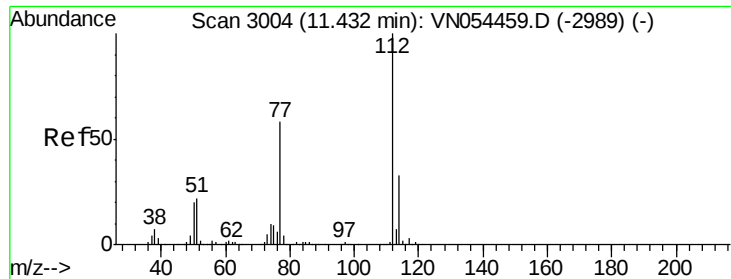
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.127 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054481.D

Acq: 21 Mar 2019 00:16

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBS01

Tot Ion:112 Resp: 296717

Ion Ratio Lower Upper

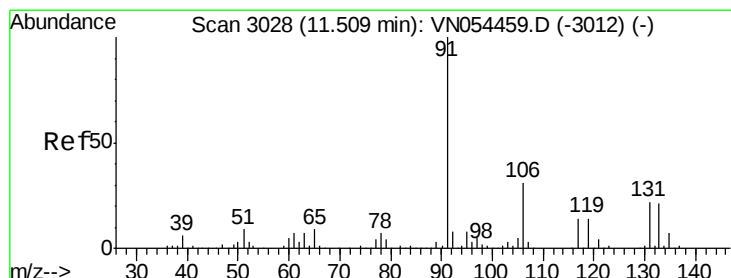
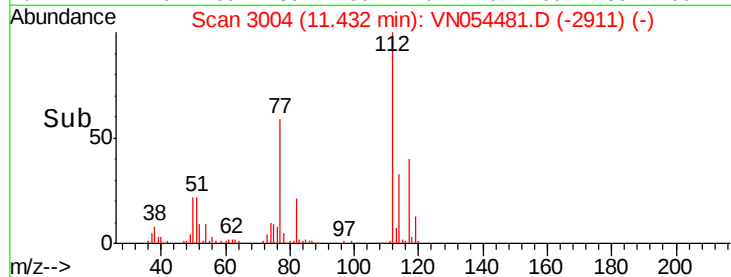
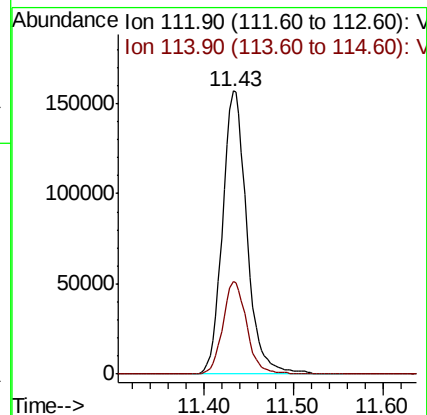
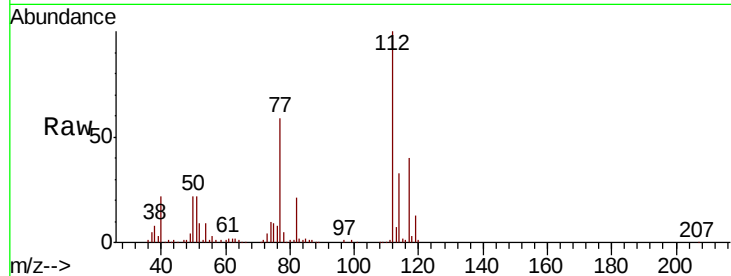
112 100

114 32.7 25.9 38.9

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 20.656 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN054481.D

Acq: 21 Mar 2019 00:16

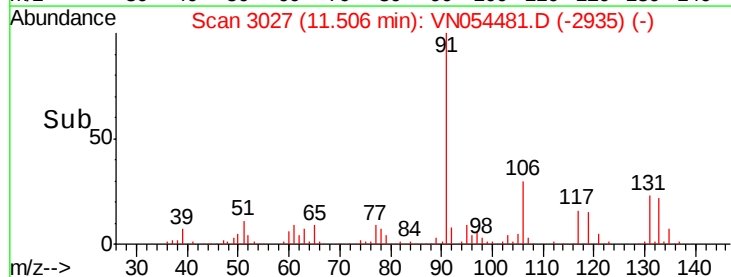
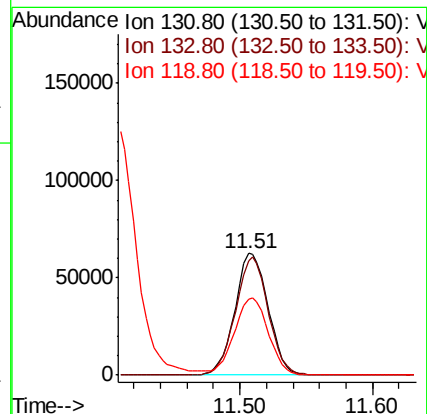
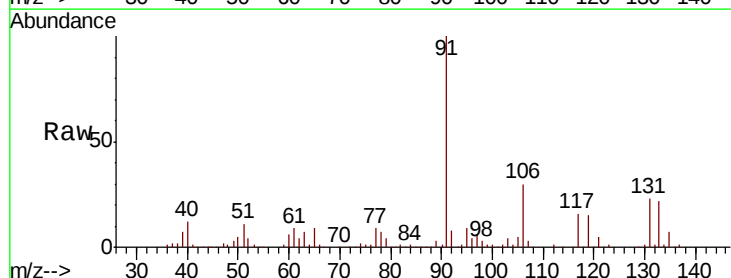
Tgt Ion:131 Resp: 109303

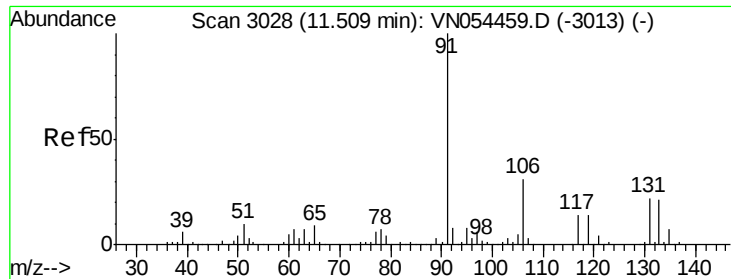
Ion Ratio Lower Upper

131 100

133 95.1 47.6 142.9

119 65.1 32.4 97.0





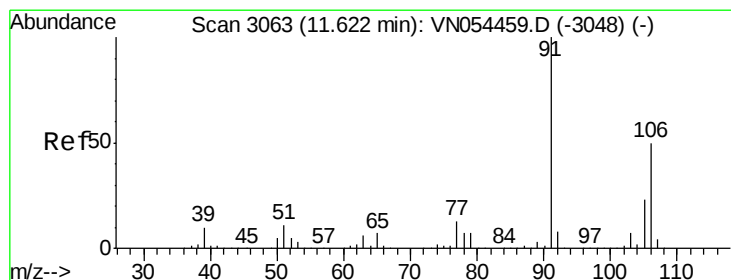
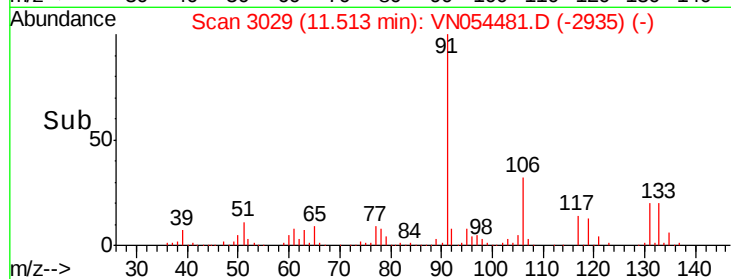
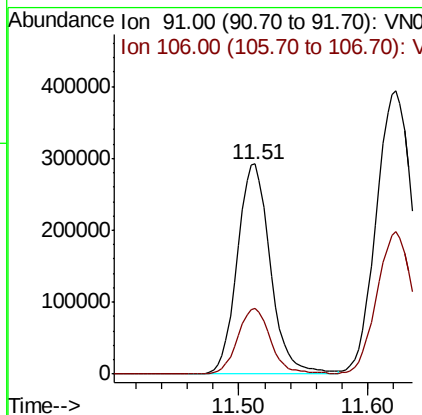
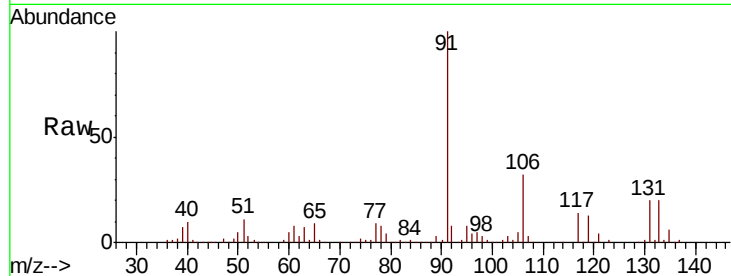
#67
Ethyl Benzene
Concen: 20.122 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054481.D
Acq: 21 Mar 2019 00:16

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBS01

Tot Ion: 91 Resp: 524012
Ion Ratio Lower Upper
91 100
106 31.6 25.5 38.3

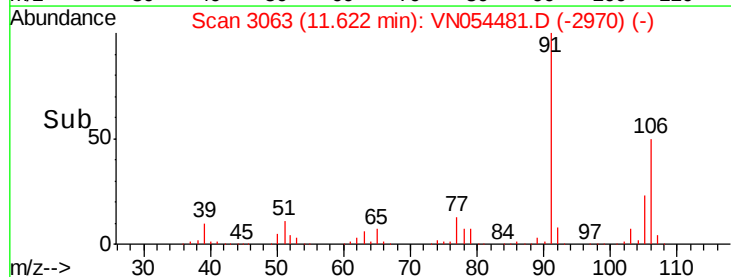
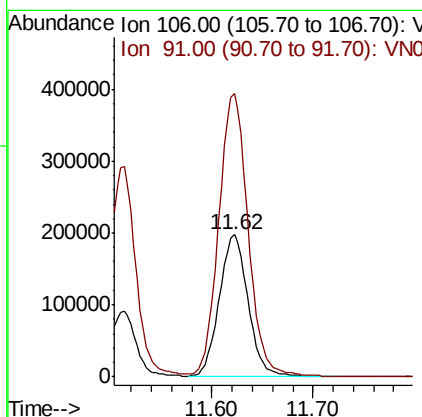
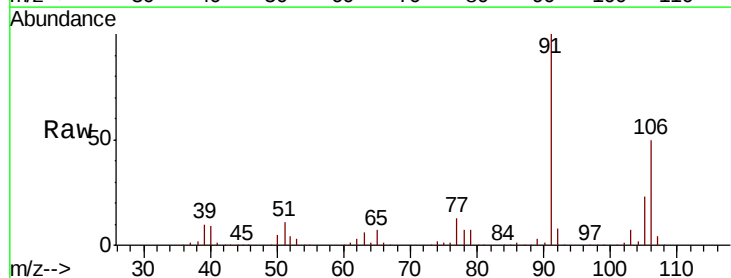
Manual Integrations
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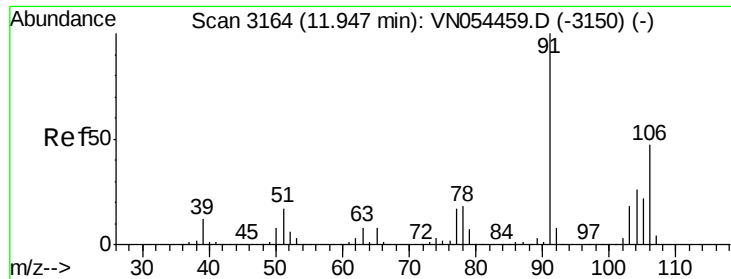
MMDadoda
3/22/2019 3:51:14 PM



#68
m/p-Xylenes
Concen: 40.184 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054481.D
Acq: 21 Mar 2019 00:16

Tgt Ion: 106 Resp: 396365
Ion Ratio Lower Upper
106 100
91 202.6 159.4 239.2





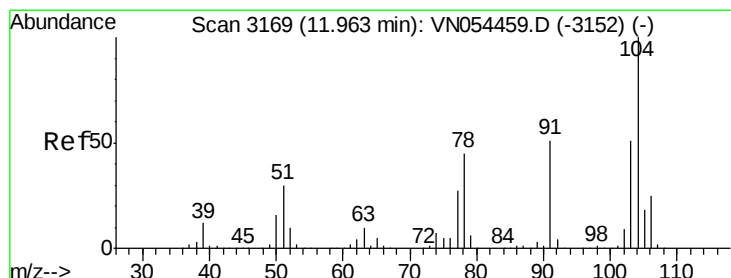
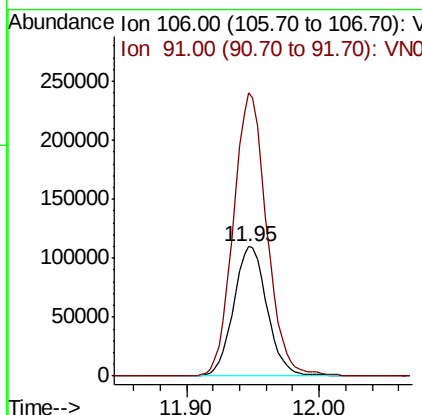
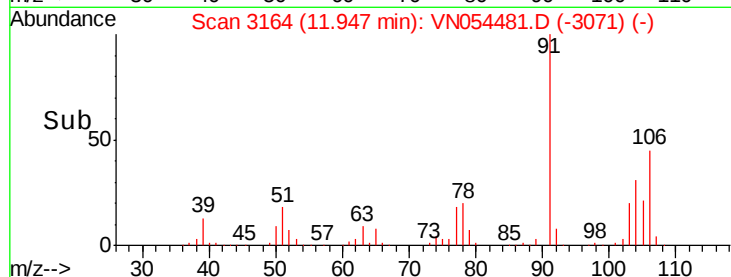
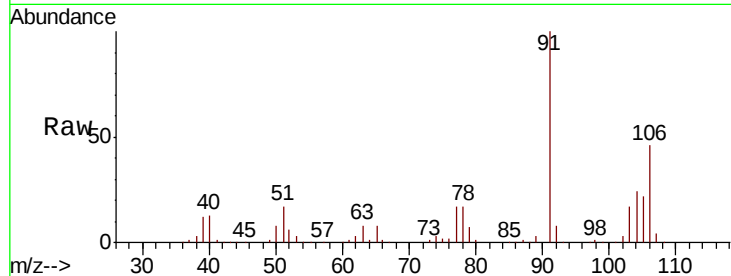
#69
o-Xylene
Concen: 20.095 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054481.D
Acq: 21 Mar 2019 00:16

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBS01

Tot Ion:106 Resp: 193579
Ion Ratio Lower Upper
106 100
91 217.3 105.7 317.1

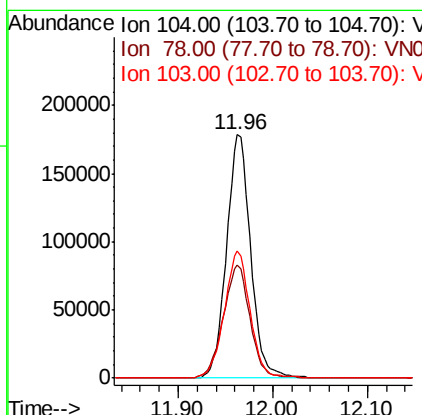
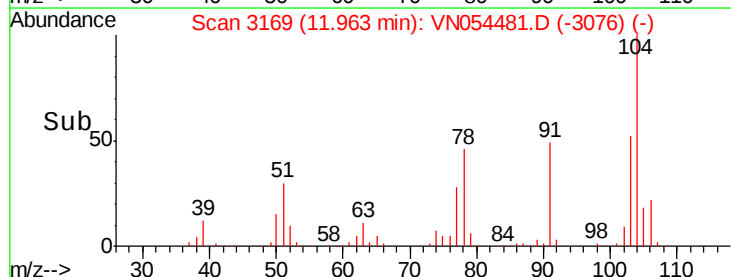
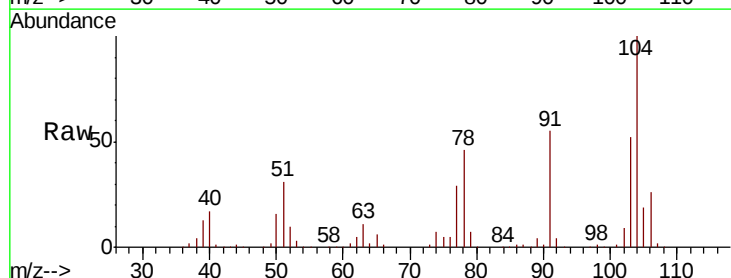
Manual Integrations
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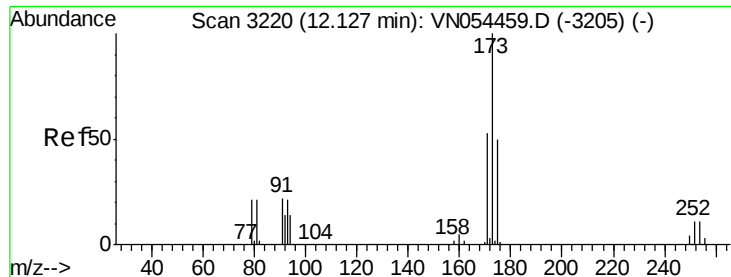
MMDadoda
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#70
Styrene
Concen: 20.214 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054481.D
Acq: 21 Mar 2019 00:16

Tgt Ion:104 Resp: 316214
Ion Ratio Lower Upper
104 100
78 51.4 38.2 57.2
103 55.8 44.4 66.6





#71

Bromoform

Concen: 18.049 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054481.D

Acq: 21 Mar 2019 00:16

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBS01

Tot Ion:173 Resp: 60428

Ion Ratio Lower Upper

173 100

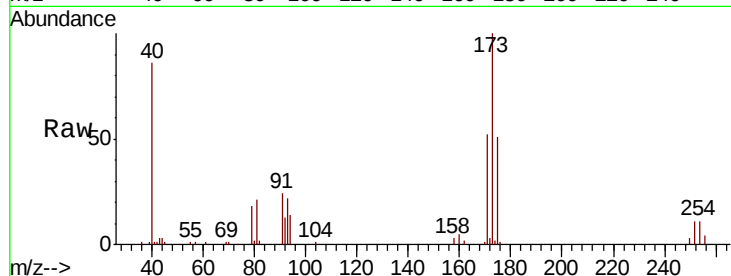
175 48.6 24.4 73.2

254 0.0 0.1 0.1#

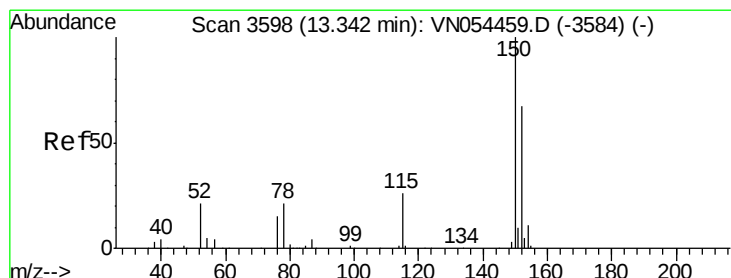
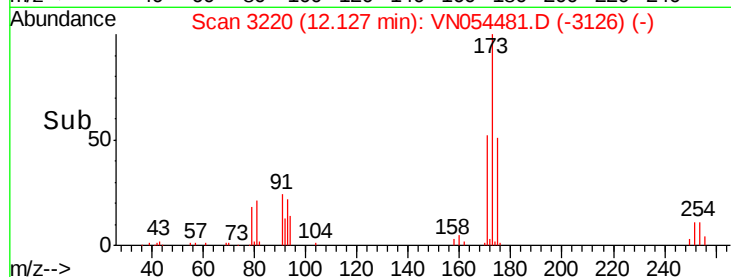
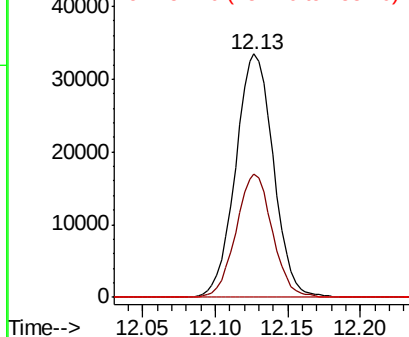
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054481.D

Acq: 21 Mar 2019 00:16

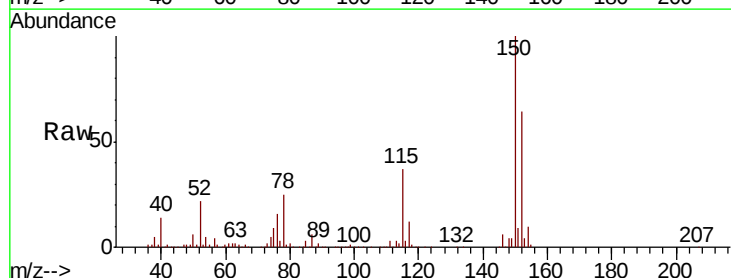
Tgt Ion:152 Resp: 314218

Ion Ratio Lower Upper

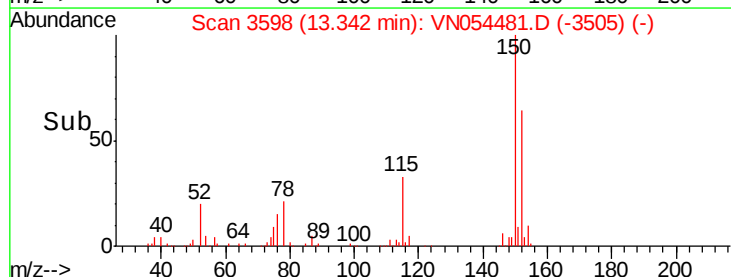
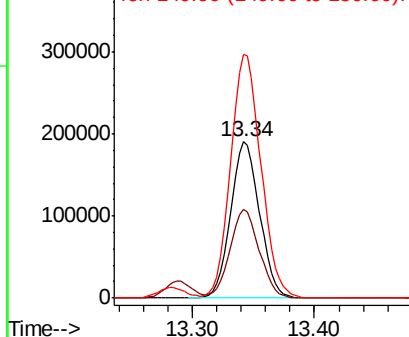
152 100

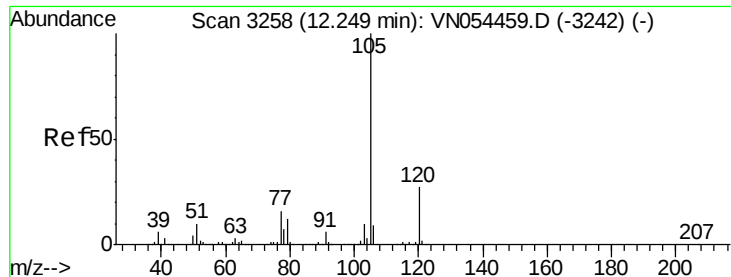
115 57.4 27.2 81.6

150 163.1 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





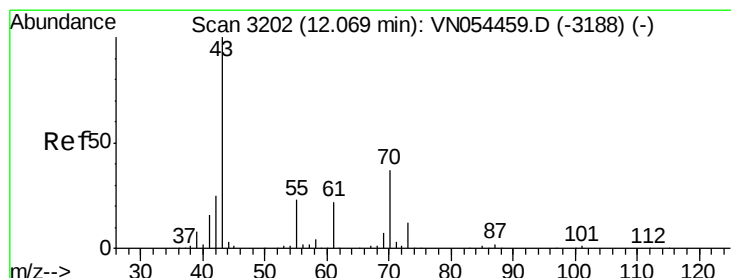
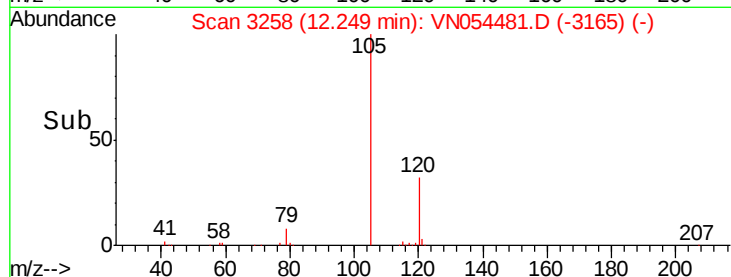
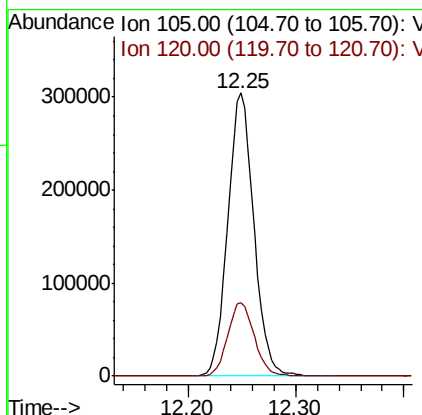
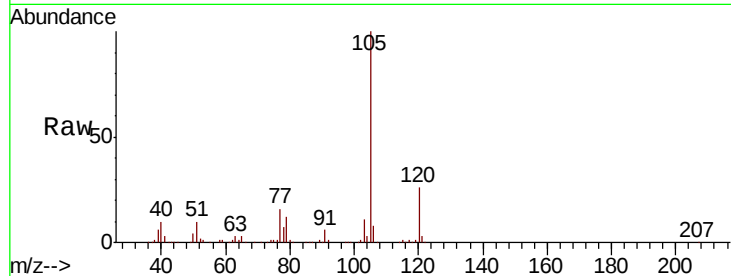
#73
Isopropylbenzene
Concen: 20.264 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN054481.D
Acq: 21 Mar 2019 00:16

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.8	41.3

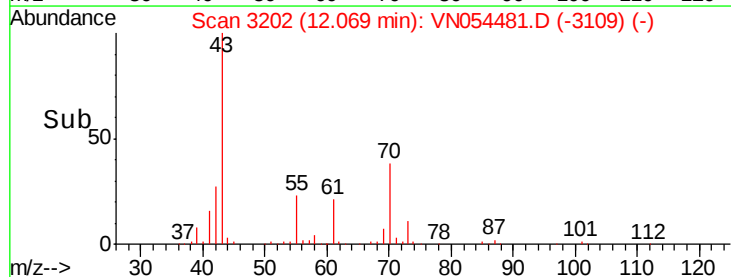
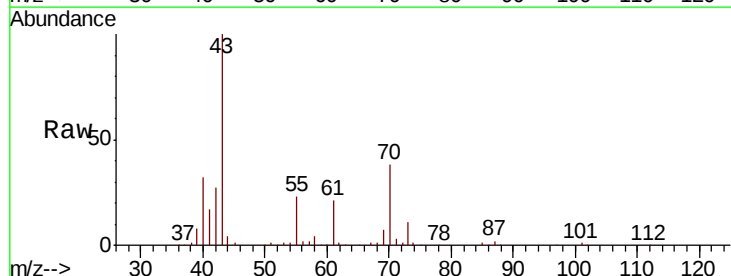
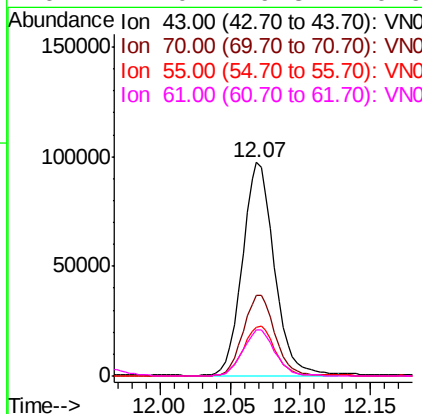
Manual Integrations
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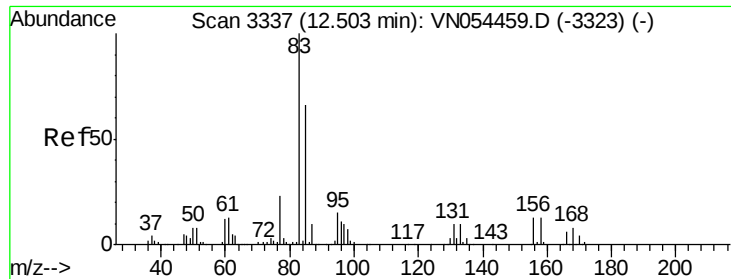
MMDadoda
3/22/2019 3:51:14 PM



#74
N-ethyl acetate
Concen: 21.149 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN054481.D
Acq: 21 Mar 2019 00:16

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.2	35.4	53.0
55	23.6	19.8	29.6
61	22.0	19.8	29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.925 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054481.D

Acq: 21 Mar 2019 00:16

Instrument :

MSVOA_N

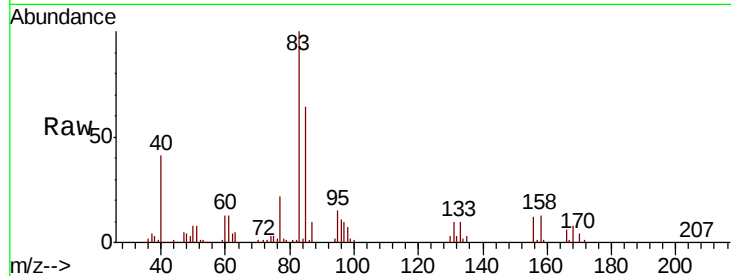
ClientSampleId :

VN0320WBS01

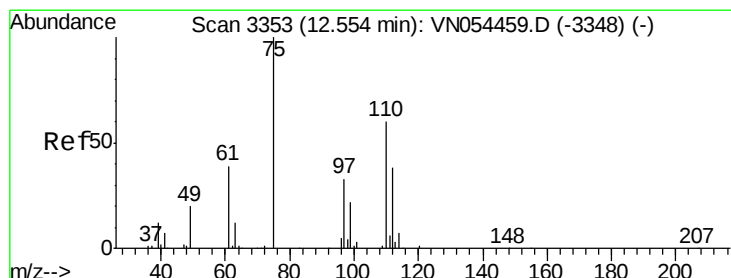
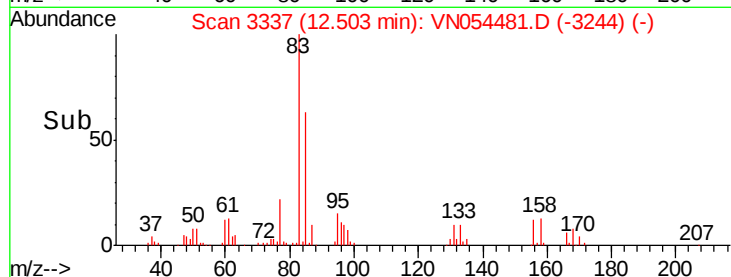
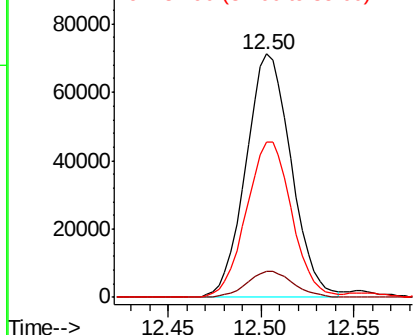
Tot Ion:	83	Resp:	120945
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.8	17.4
85	63.8	32.2	96.6

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 23.102 ug/l m

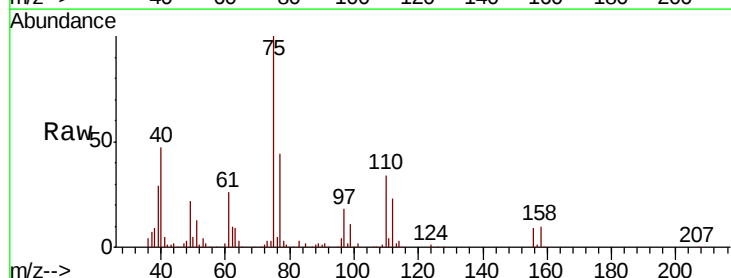
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

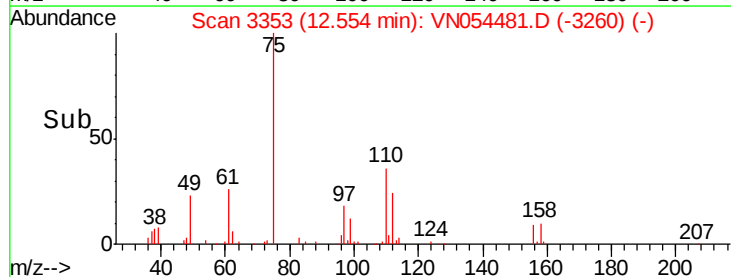
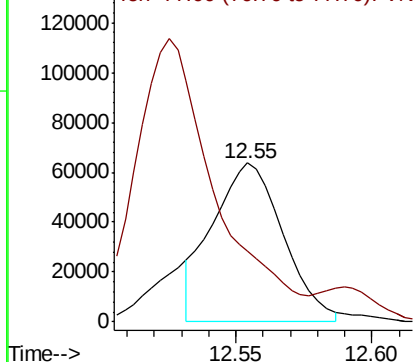
Lab File: VN054481.D

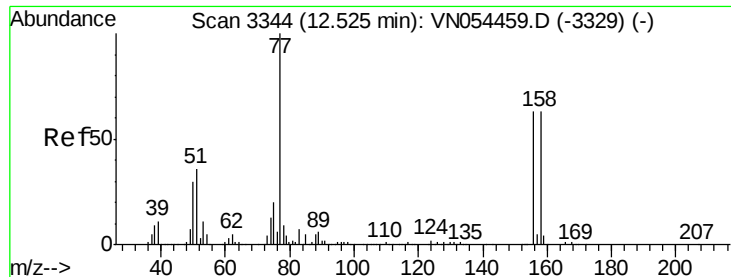
Acq: 21 Mar 2019 00:16

Tgt Ion:	75	Resp:	115192
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.720 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054481.D

Acq: 21 Mar 2019 00:16

Instrument :

MSVOA_N

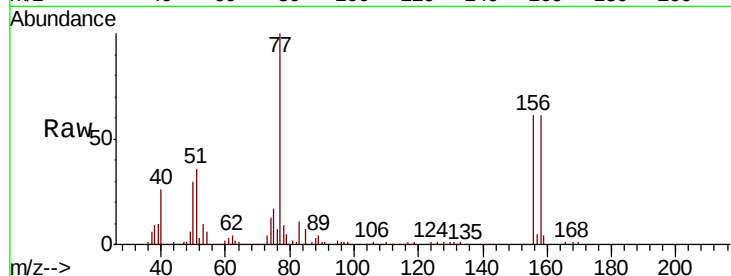
ClientSampleId :

VN0320WBS01

Tot Ion:	156	Resp:	123840
Ion Ratio	Lower	Upper	
156	100		
77	189.5	81.5	244.4
158	100.8	49.0	147.2

Manual Integrations
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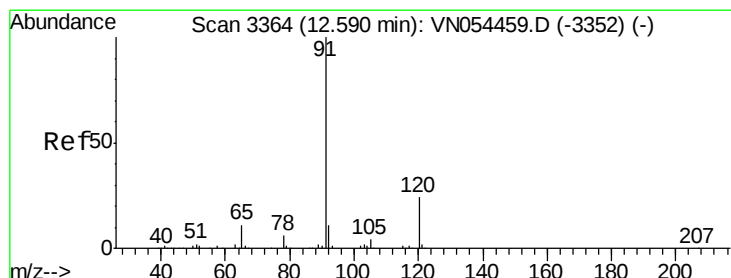
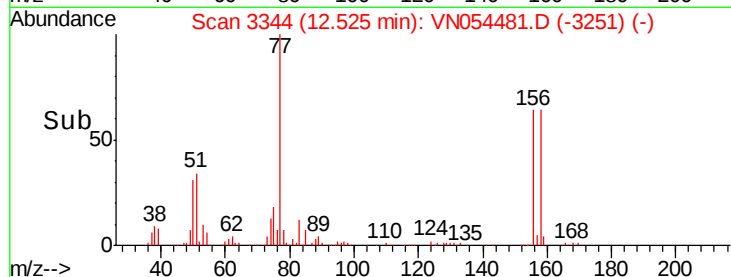
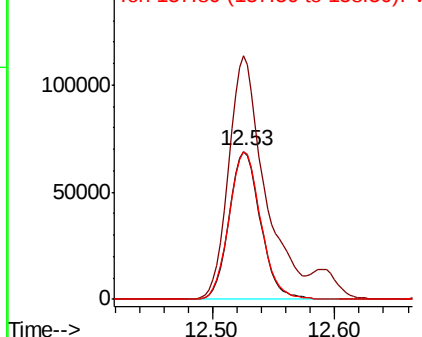
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.421 ug/l

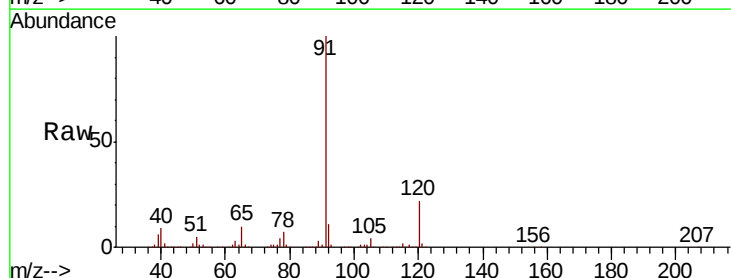
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054481.D

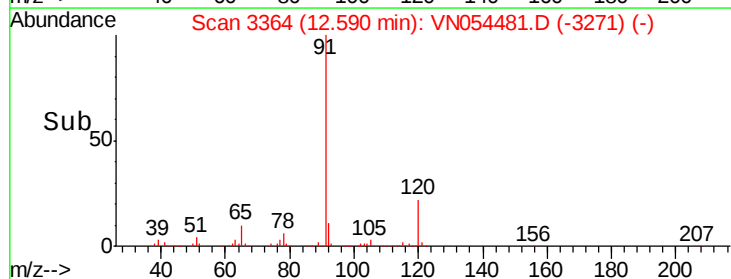
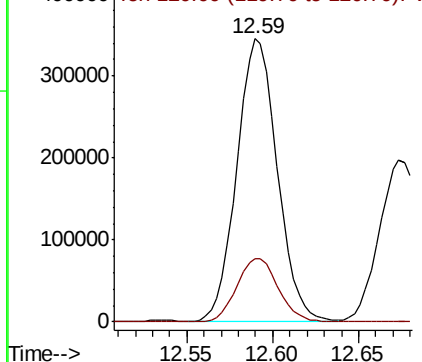
Acq: 21 Mar 2019 00:16

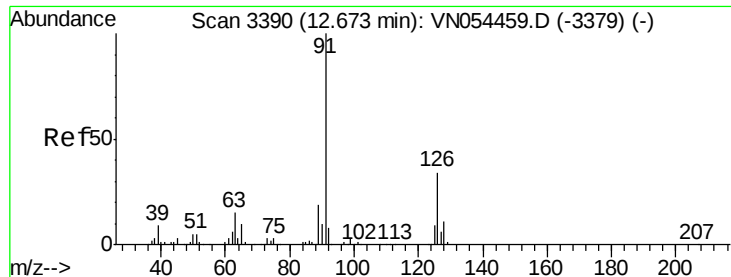
Tgt Ion:	91	Resp:	560694
Ion Ratio	Lower	Upper	
91	100		
120	22.9	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.942 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054481.D

Acq: 21 Mar 2019 00:16

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBS01

Tot Ion: 91 Resp: 341439

Ion Ratio Lower Upper

91 100

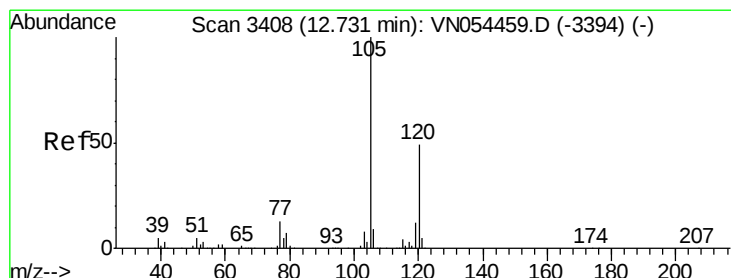
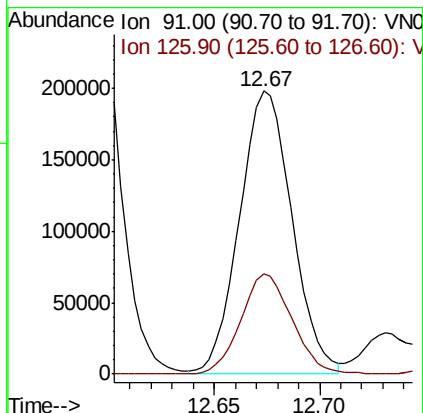
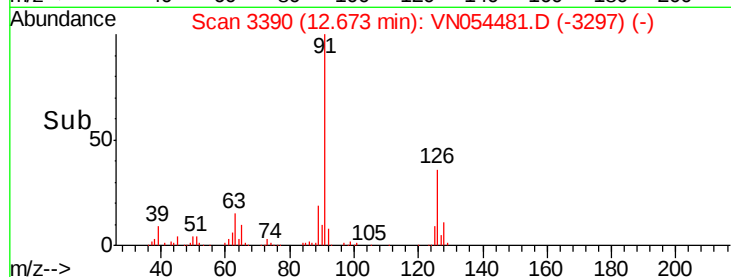
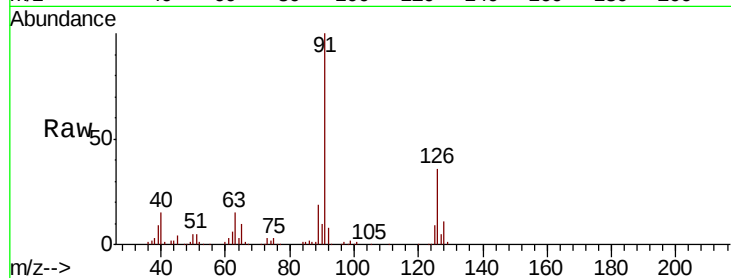
126 34.8 18.7 56.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.483 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054481.D

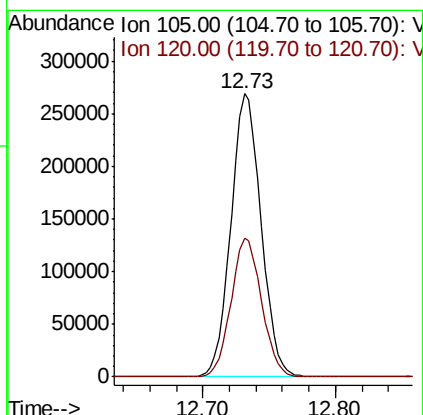
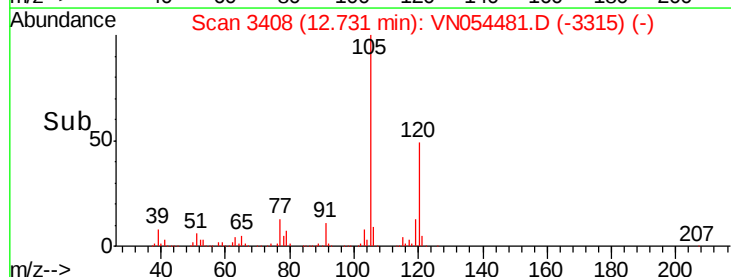
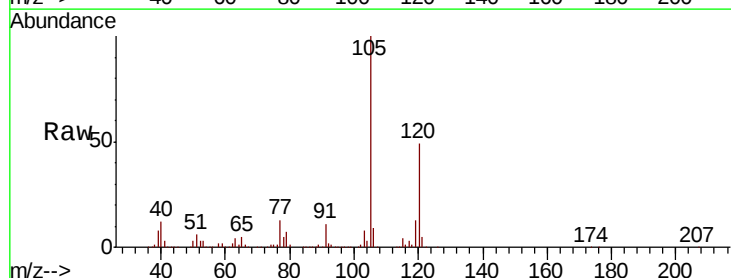
Acq: 21 Mar 2019 00:16

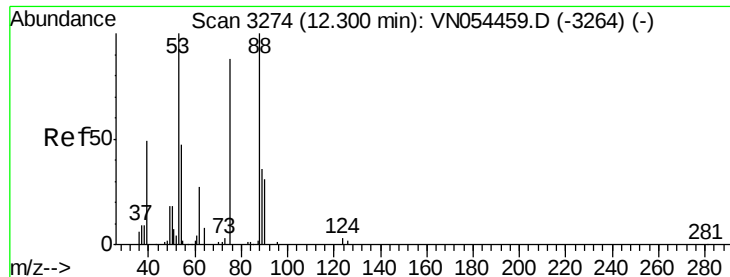
Tgt Ion: 105 Resp: 425057

Ion Ratio Lower Upper

105 100

120 49.5 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 15.830 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054481.D

Acq: 21 Mar 2019 00:16

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBS01

Tot Ion: 75 Resp: 19548

Ion Ratio Lower Upper

75 100

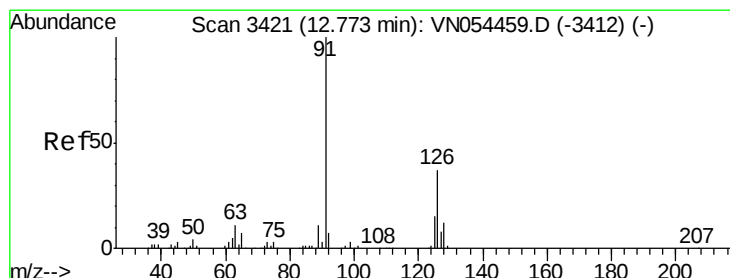
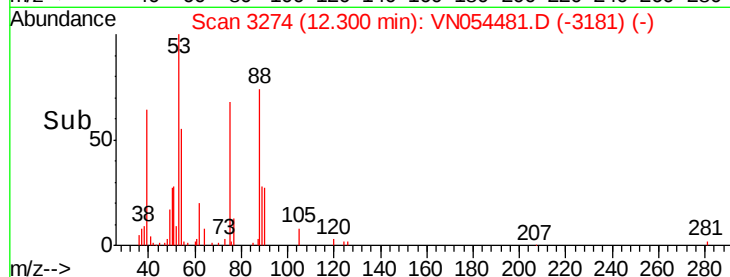
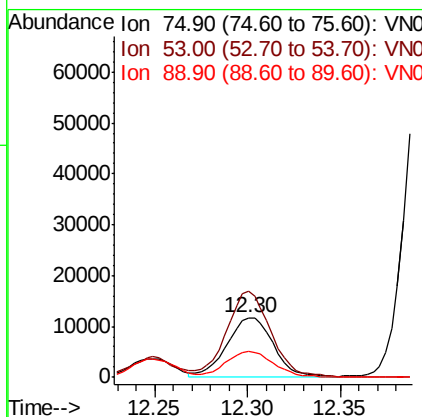
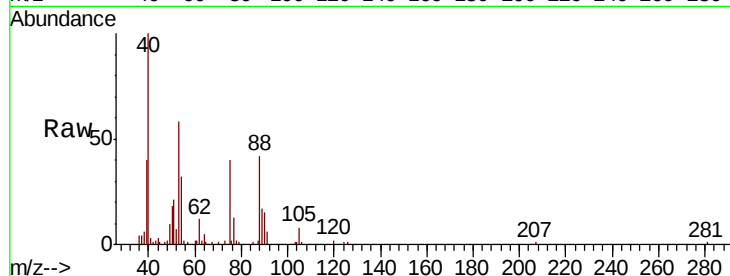
53 143.6 76.2 114.2#

89 46.6 39.2 58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.884 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054481.D

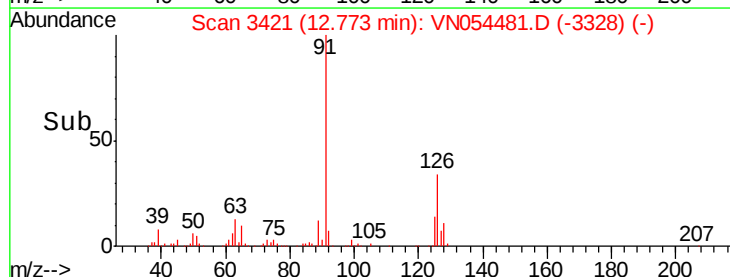
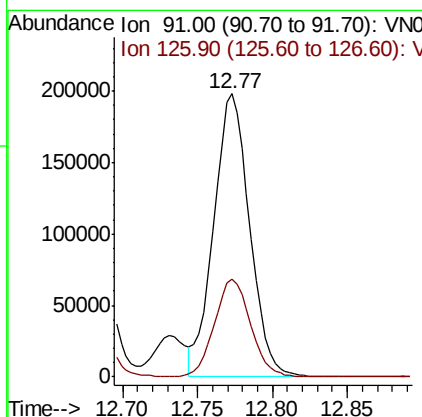
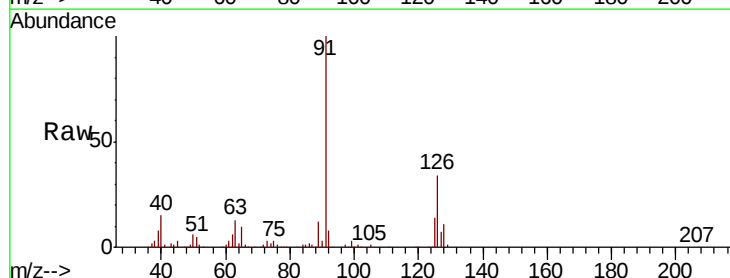
Acq: 21 Mar 2019 00:16

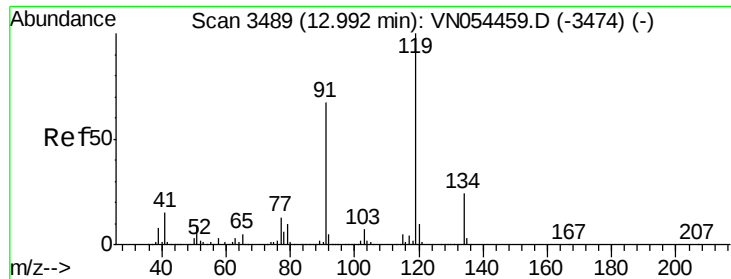
Tgt Ion: 91 Resp: 329994

Ion Ratio Lower Upper

91 100

126 34.9 18.1 54.1





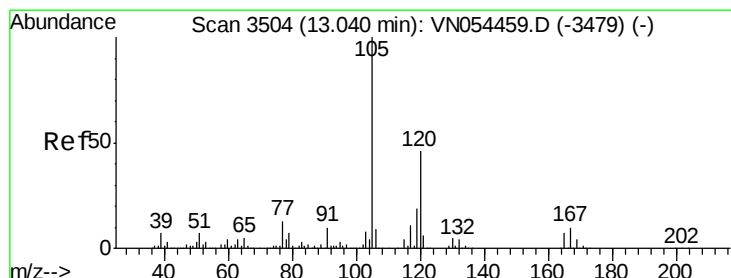
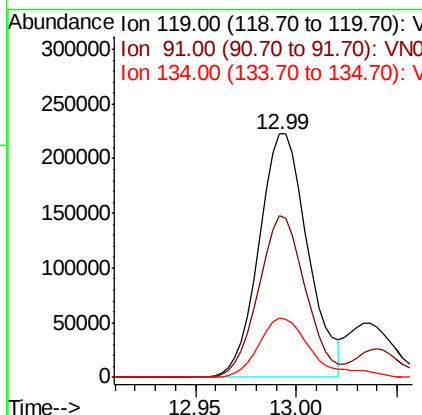
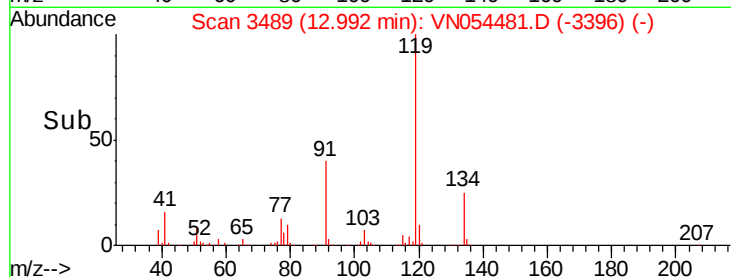
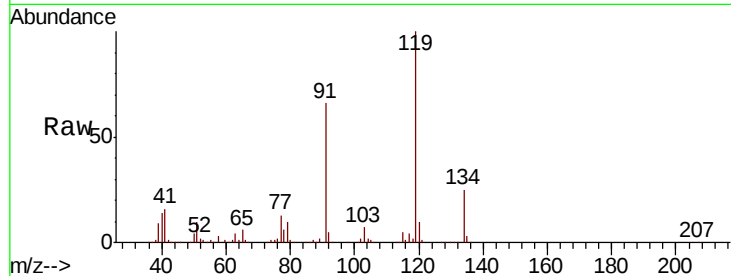
#83
 tert-Butylbenzene
 Concen: 20.782 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN054481.D
 Acq: 21 Mar 2019 00:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.0	30.9	92.8
134	26.4	13.2	39.6

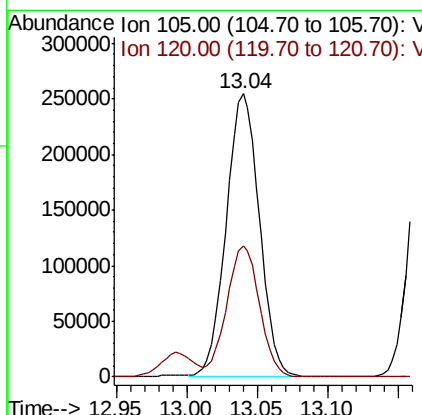
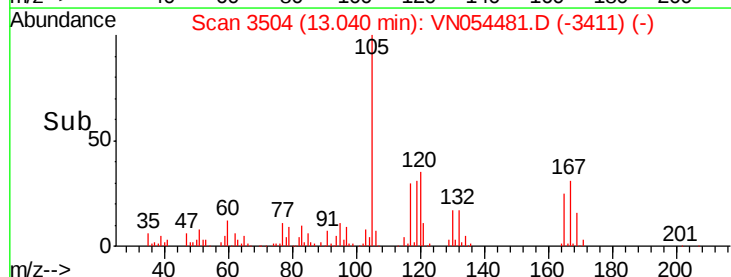
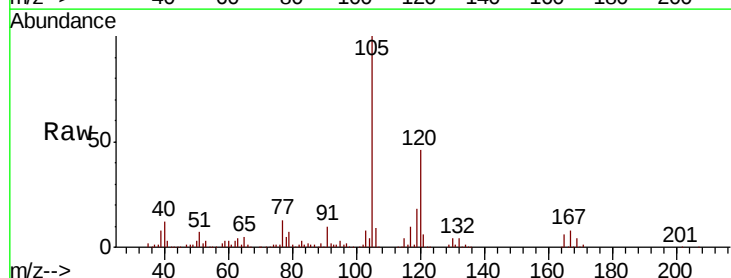
Manual Integrations
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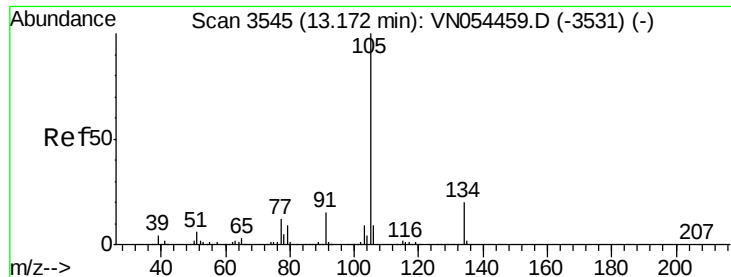
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.593 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054481.D
 Acq: 21 Mar 2019 00:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.4	70.3





#85

sec-Butylbenzene

Concen: 20.676 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054481.D

Acq: 21 Mar 2019 00:16

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBS01

Tot Ion:105 Resp: 465585

Ion Ratio Lower Upper

105 100

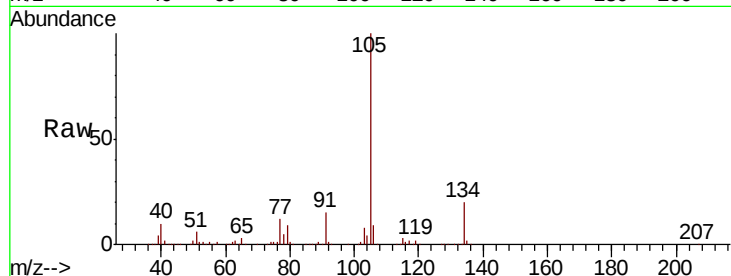
134 20.2 10.7 32.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

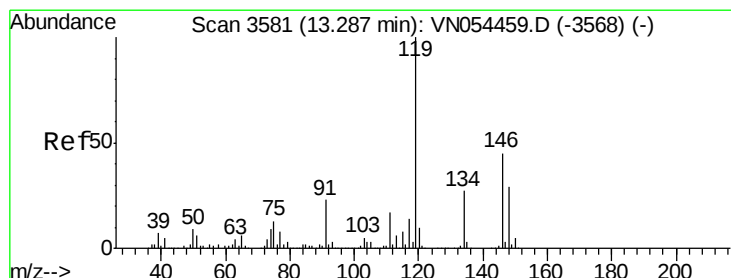
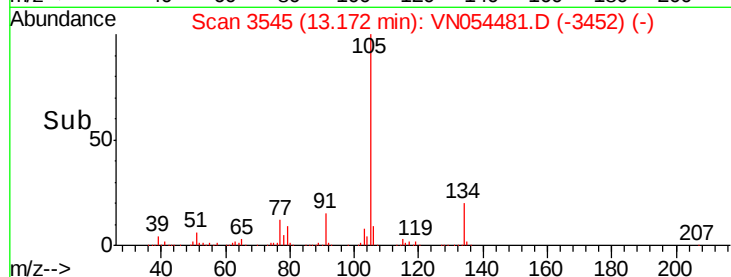
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.909 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054481.D

Acq: 21 Mar 2019 00:16

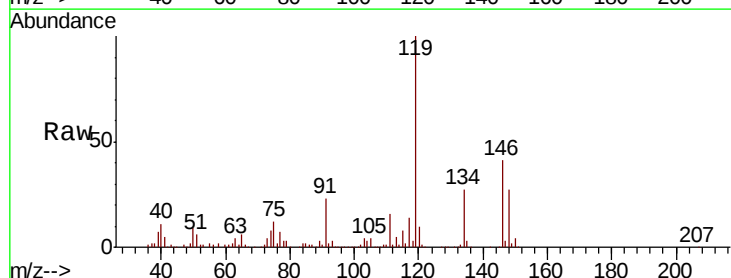
Tgt Ion:119 Resp: 421225

Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.8

91 23.2 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

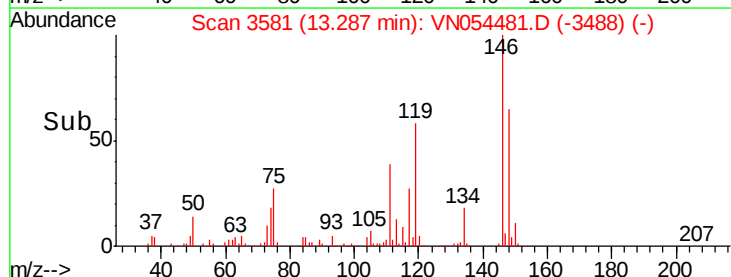
300000

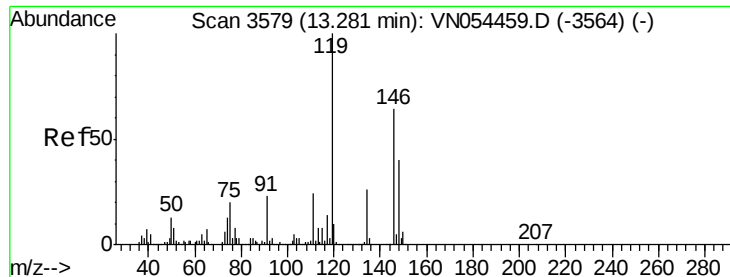
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.856 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN054481.D

Acq: 21 Mar 2019 00:16

Instrument :

MSVOA_N

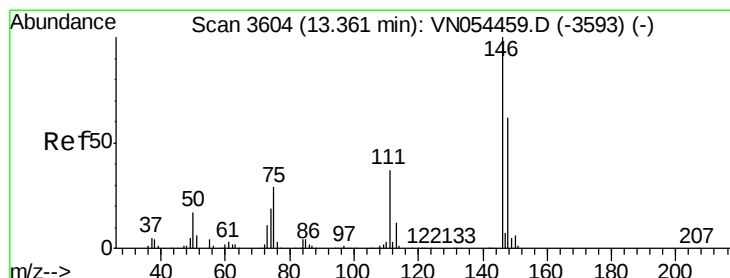
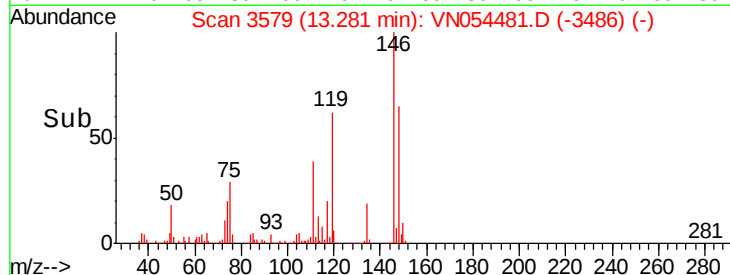
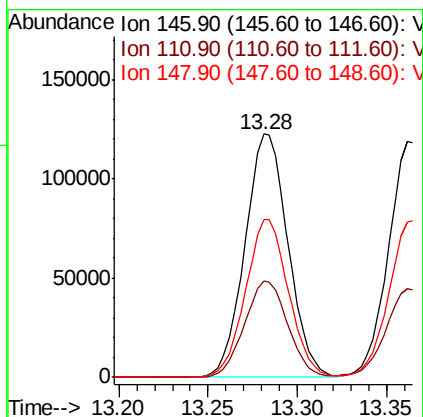
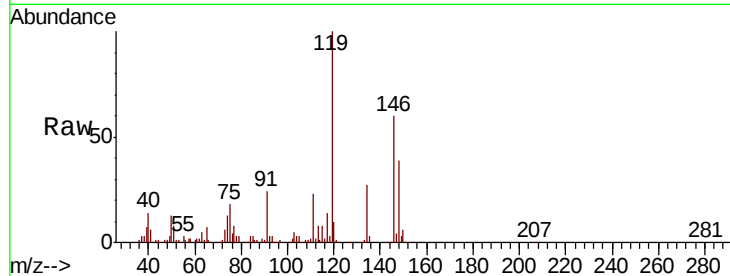
ClientSampleId :

VN0320WBS01

Tot Ion:	146	Resp:	206633
Ion Ratio	Lower	Upper	
146	100		
111	39.9	18.8	56.3
148	64.7	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.591 ug/l

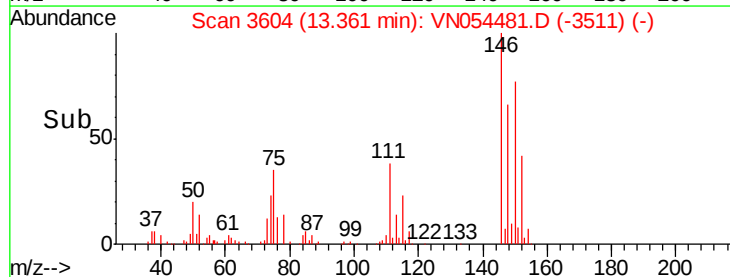
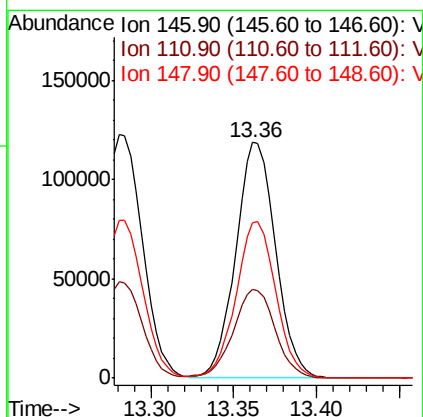
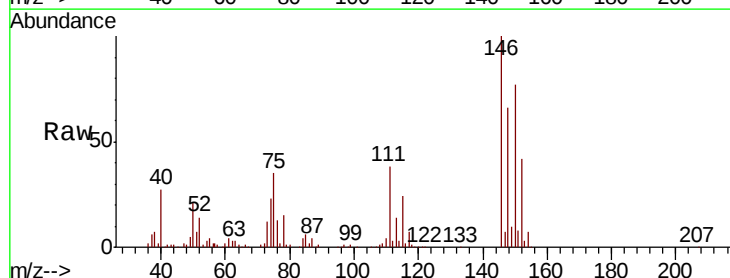
RT: 13.36 min Scan# 3604

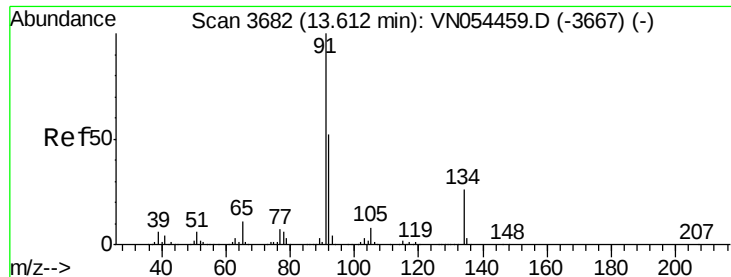
Delta R.T. -0.00 min

Lab File: VN054481.D

Acq: 21 Mar 2019 00:16

Tgt Ion:	146	Resp:	198360
Ion Ratio	Lower	Upper	
146	100		
111	39.9	18.1	54.1
148	66.5	32.0	96.0





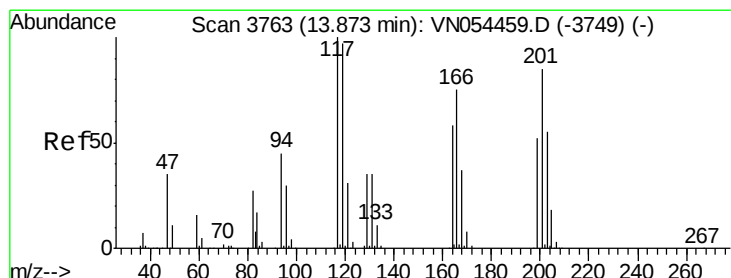
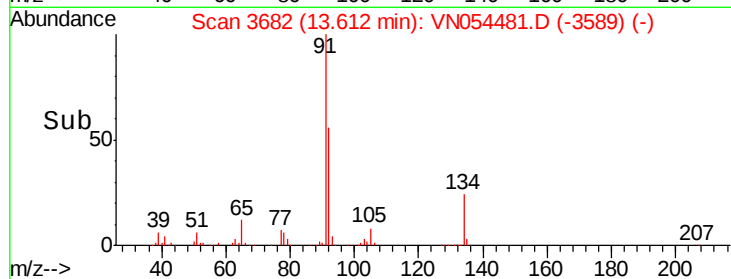
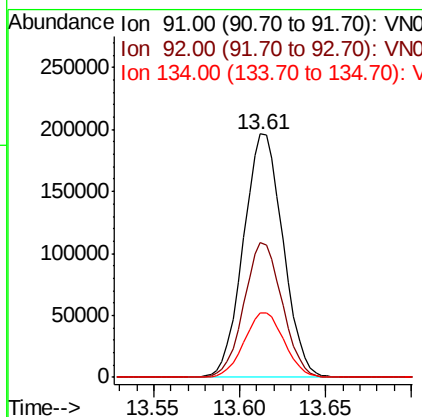
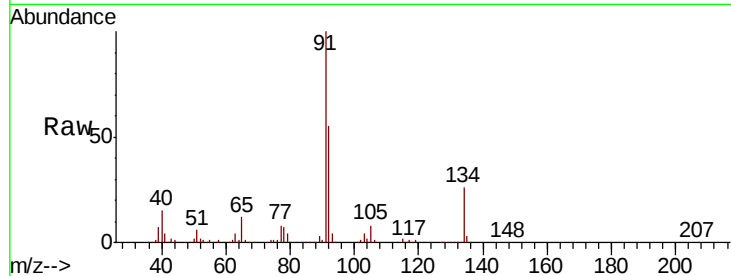
#89
n-Butylbenzene
Concen: 19.894 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054481.D
Acq: 21 Mar 2019 00:16

Instrument :
MSVOA_N
ClientSampled :
VN0320WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.2	78.6
134	26.7	14.3	42.9

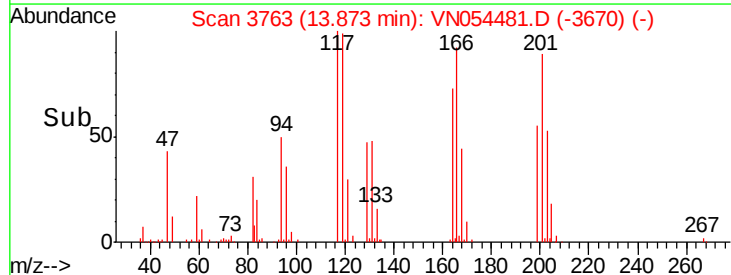
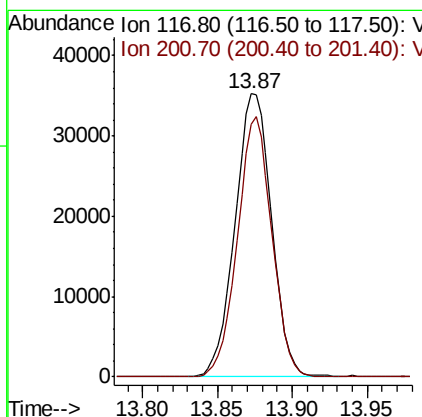
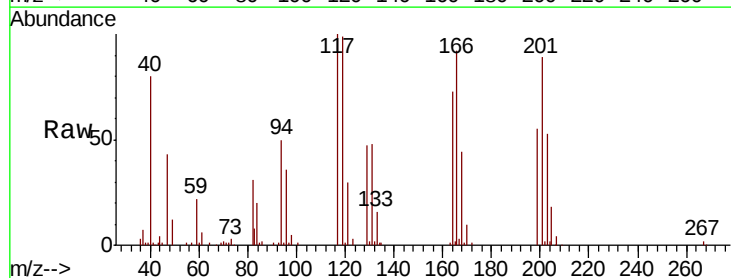
Manual Integrations
APPROVED

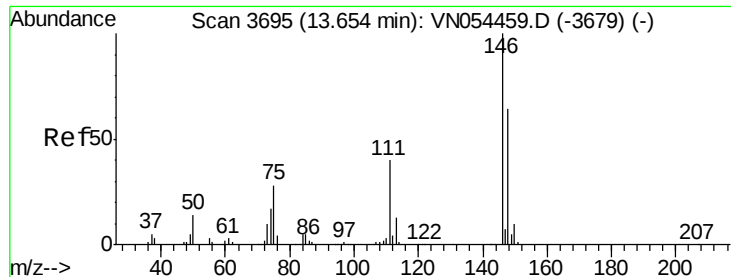
MMDadoda
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#90
Hexachloroethane
Concen: 19.187 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054481.D
Acq: 21 Mar 2019 00:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.2	48.1	144.4





#91

1,2-Dichlorobenzene

Concen: 20.866 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN054481.D

Acq: 21 Mar 2019 00:16

Instrument :

MSVOA_N

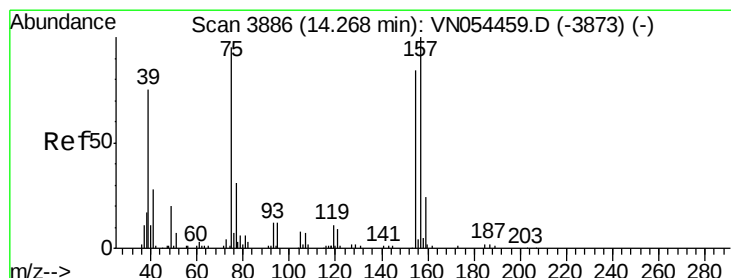
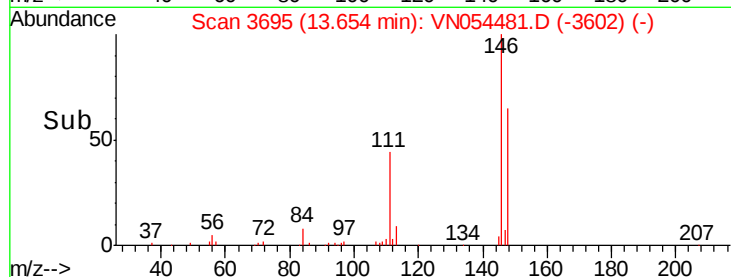
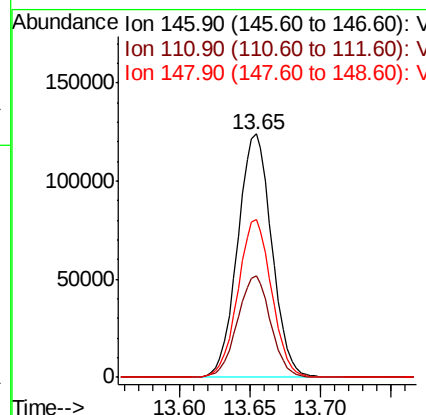
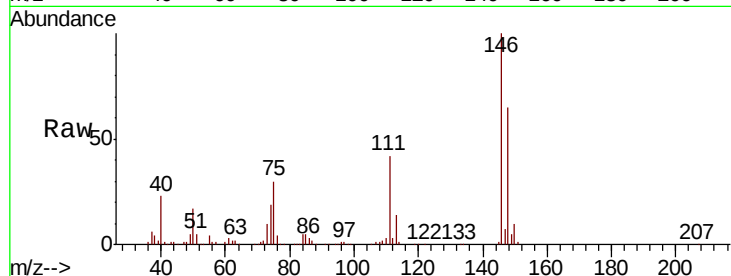
ClientSampleId :

VN0320WBS01

Tot Ion:	146	Resp:	210320
Ion Ratio	Lower	Upper	
146	100		
111	40.7	19.1	57.3
148	63.9	32.4	97.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.020 ug/l

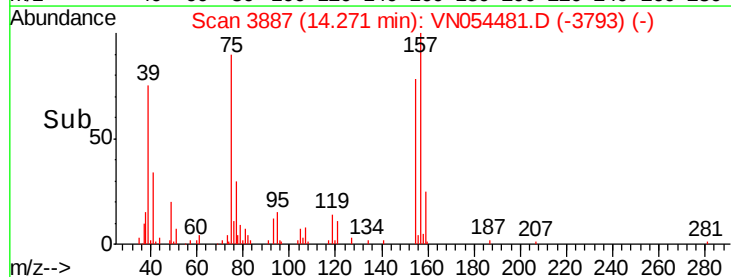
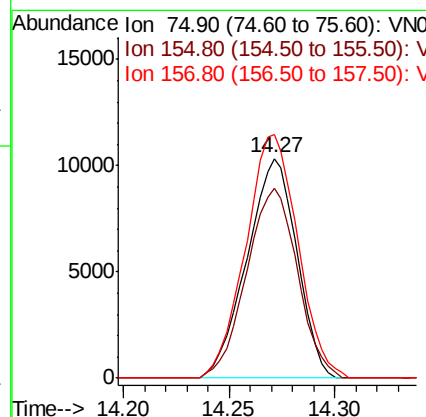
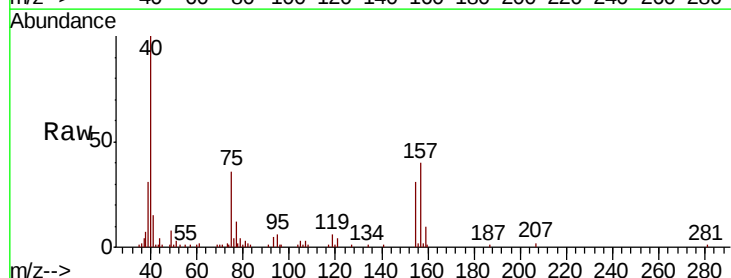
RT: 14.27 min Scan# 3887

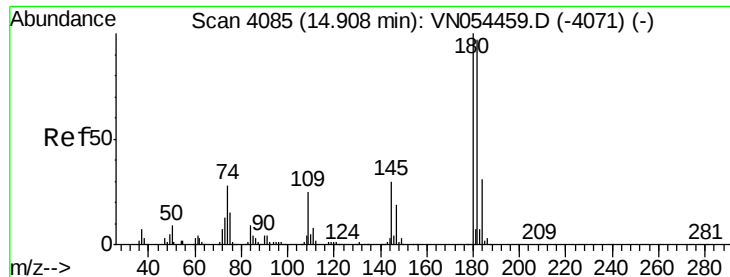
Delta R.T. 0.00 min

Lab File: VN054481.D

Acq: 21 Mar 2019 00:16

Tgt Ion:	75	Resp:	16973
Ion Ratio	Lower	Upper	
75	100		
155	88.2	50.1	150.3
157	116.1	63.1	189.3





#93

1,2,4-Trichlorobenzene

Concen: 20.249 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN054481.D

Acq: 21 Mar 2019 00:16

Instrument :

MSVOA_N

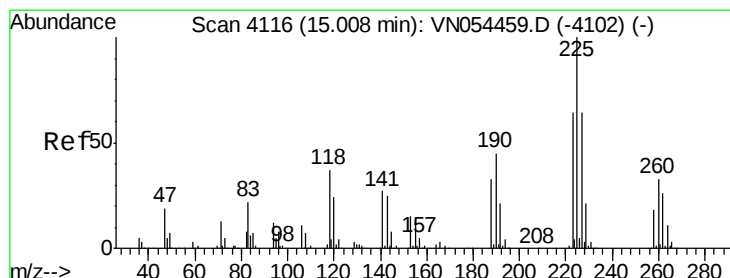
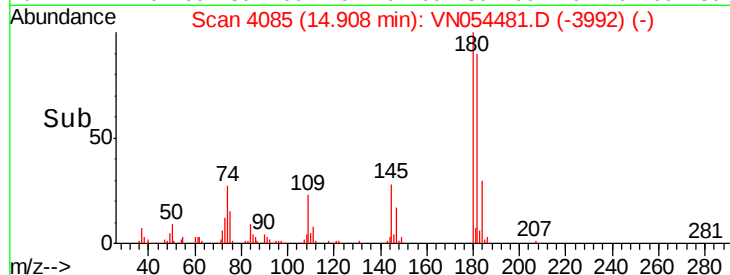
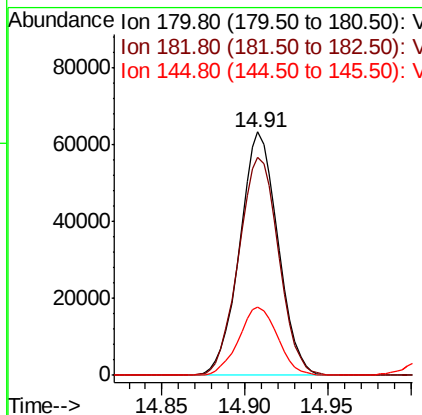
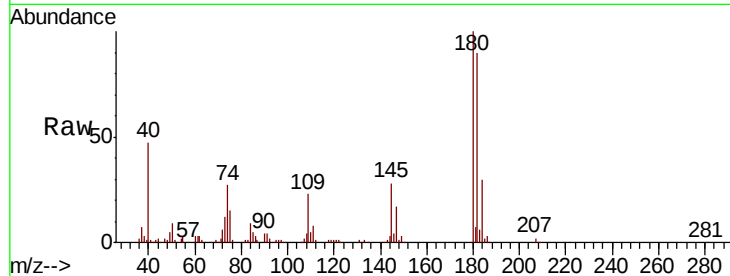
ClientSampleId :

VN0320WBS01

Tot Ion:	180	Resp:	101747
Ion Ratio	Lower	Upper	
180	100		
182	93.7	48.0	144.2
145	28.6	14.2	42.8

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 22.411 ug/l

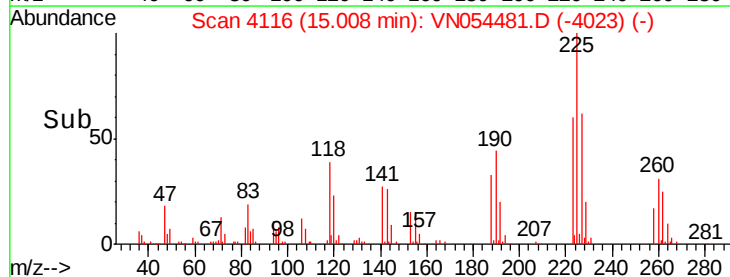
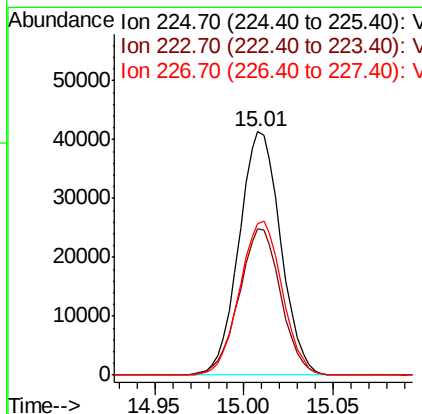
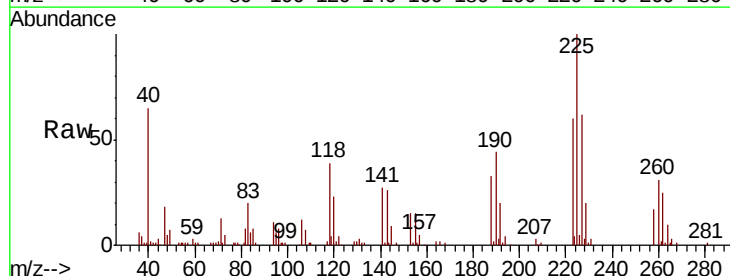
RT: 15.01 min Scan# 4116

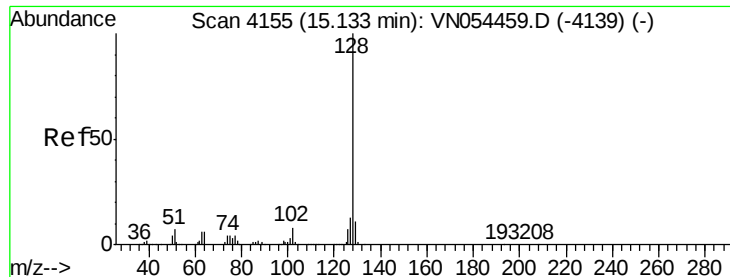
Delta R.T. 0.00 min

Lab File: VN054481.D

Acq: 21 Mar 2019 00:16

Tgt Ion:	225	Resp:	67131
Ion Ratio	Lower	Upper	
225	100		
223	60.5	31.1	93.5
227	64.6	31.9	95.9





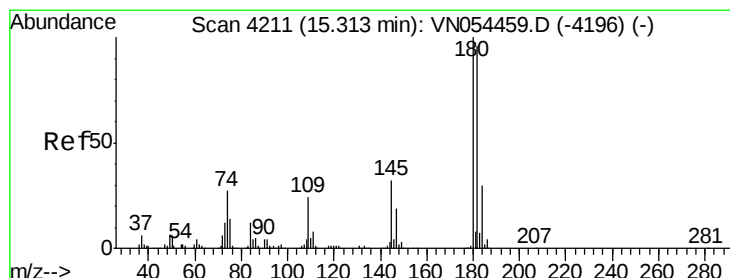
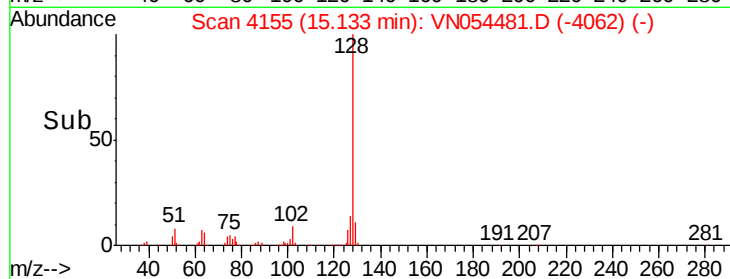
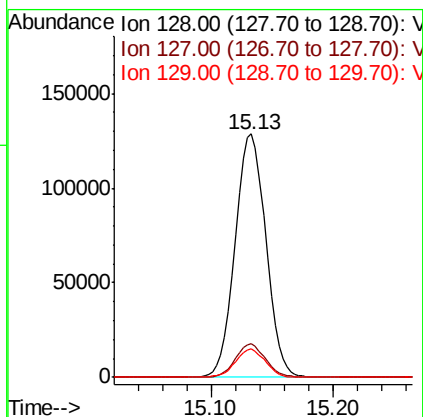
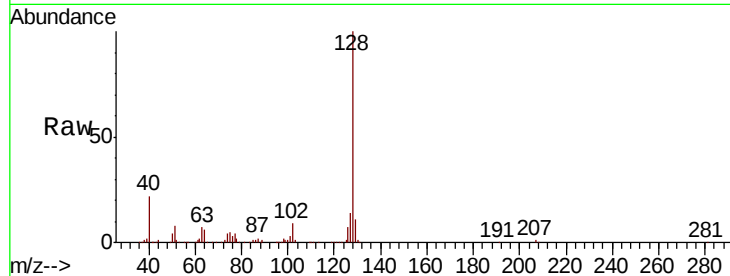
#95
Naphthalene
Concen: 20.062 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN054481.D
Acq: 21 Mar 2019 00:16

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.1	15.1
129	11.3	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.523 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN054481.D
Acq: 21 Mar 2019 00:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.5	142.6
145	30.9	14.8	44.3

