

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032719\
 Data File : VN054714.D
 Acq On : 27 Mar 2019 11:46
 Operator : JC/SP
 Sample : VN0327WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0327WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/28/2019 12:44:44 PM

Quant Time: Mar 28 10:15:26 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	7.67	168	407700	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	688552	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	585194	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	239841	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	266430	52.54	ug/l	0.00
Spiked Amount						
			Recovery	=	105.08%	
35) Dibromofluoromethane	7.59	113	210814	47.52	ug/l	0.00
Spiked Amount						
			Recovery	=	95.04%	
50) Toluene-d8	10.09	98	779206	46.72	ug/l	0.00
Spiked Amount						
			Recovery	=	93.44%	
62) 4-Bromofluorobenzene	12.40	95	258677	45.58	ug/l	0.00
Spiked Amount						
			Recovery	=	91.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	80835	20.740	ug/l	98
3) Chloromethane	2.06	50	110677	20.871	ug/l	99
4) Vinyl Chloride	2.19	62	98725	18.543	ug/l	100
5) Bromomethane	2.58	94	57588	16.728	ug/l	95
6) Chloroethane	2.71	64	57043	17.863	ug/l	98
7) Trichlorofluoromethane	3.03	101	127766	19.761	ug/l	98
8) Diethyl Ether	3.41	74	42290	17.007	ug/l	70
9) 1,1,2-Trichlorotrifluoroet	3.76	101	67713	17.820	ug/l	96
10) Methyl Iodide	3.95	142	97016	17.356	ug/l #	87
11) Tert butyl alcohol	4.82	59	29168	95.004	ug/l	97
12) 1,1-Dichloroethene	3.73	96	66372	16.878	ug/l #	78
13) Acrolein	3.61	56	45385	107.119	ug/l	94
14) Allyl chloride	4.32	41	151349	20.439	ug/l #	92
15) Acrylonitrile	5.00	53	163420	106.886	ug/l	98
16) Acetone	3.82	43	125551	82.348	ug/l #	82
17) Carbon Disulfide	4.04	76	169226	16.061	ug/l	100
18) Methyl Acetate	4.33	43	77796	22.893	ug/l #	88
19) Methyl tert-butyl Ether	5.06	73	232710	20.277	ug/l	93
20) Methylene Chloride	4.55	84	92391	20.557	ug/l #	82
21) trans-1,2-Dichloroethene	5.04	96	81246	20.233	ug/l #	82
22) Diisopropyl ether	5.96	45	323639	22.158	ug/l #	94
23) Vinyl Acetate	5.90	43	1103681	106.988	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	171210	21.770	ug/l	98
25) 2-Butanone	6.85	43	196293	100.505	ug/l #	86
26) 2,2-Dichloropropane	6.82	77	115088	20.529	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	98651	20.597	ug/l	88
28) Bromochloromethane	7.19	49	91200	23.559	ug/l #	72
29) Tetrahydrofuran	7.22	42	134254	105.928	ug/l #	84
30) Chloroform	7.37	83	165827	21.606	ug/l	99
31) Cyclohexane	7.65	56	159268	20.021	ug/l	88
32) 1,1,1-Trichloroethane	7.57	97	134800	21.289	ug/l	95
36) 1,1-Dichloropropene	7.79	75	120905	18.780	ug/l	95
37) Ethyl Acetate	6.94	43	87121	19.026	ug/l #	77
38) Carbon Tetrachloride	7.77	117	115852	18.518	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	130633	17.738	ug/l	90
40) Benzene	8.04	78	362968	19.716	ug/l	99
41) Methacrylonitrile	7.18	41	53986m	19.333	ug/l	
42) 1,2-Dichloroethane	8.13	62	130957	19.533	ug/l	97
43) Isopropyl Acetate	8.17	43	149758	19.366	ug/l #	93
44) Trichloroethene	8.83	130	93904	18.347	ug/l	95
45) 1,2-Dichloropropane	9.12	63	103490	20.935	ug/l	97
46) Dibromomethane	9.21	93	57001	19.328	ug/l	89
47) Bromodichloromethane	9.40	83	119666	19.552	ug/l	96
48) Methyl methacrylate	9.20	41	77721	18.517	ug/l	88
49) 1,4-Dioxane	9.20	88	16165	344.499	ug/l #	78
51) 4-Methyl-2-Pentanone	9.99	43	423286	98.766	ug/l	92
52) Toluene	10.16	92	236200	20.860	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	108237	18.248	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	138900	19.793	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	81436	20.008	ug/l	97
56) Ethyl methacrylate	10.43	69	103692	18.981	ug/l #	82
57) 1,3-Dichloropropane	10.71	76	142743	20.175	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	182580	81.163	ug/l #	89
59) 2-Hexanone	10.75	43	258357	92.290	ug/l	91
60) Dibromochloromethane	10.90	129	79779	18.420	ug/l	100
61) 1,2-Dibromoethane	11.00	107	76361	18.977	ug/l	99
64) Tetrachloroethene	10.63	164	85411	17.596	ug/l	95
65) Chlorobenzene	11.43	112	230316	19.351	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	84594	19.802	ug/l	98
67) Ethyl Benzene	11.51	91	405843	19.303	ug/l	99
68) m/p-Xylenes	11.62	106	300684	37.758	ug/l	95
69) o-Xylene	11.95	106	145656	18.729	ug/l	95
70) Styrene	11.96	104	240975	19.080	ug/l	97
71) Bromoform	12.13	173	43755	16.417	ug/l #	98
73) Isopropylbenzene	12.25	105	392486	20.308	ug/l	98
74) N-amyl acetate	12.07	43	118814	21.380	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.50	83	96328	21.834	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	78203m	20.548	ug/l	
77) Bromobenzene	12.53	156	94805	19.779	ug/l	85
78) n-propylbenzene	12.59	91	425292	20.293	ug/l	97
79) 2-Chlorotoluene	12.67	91	265360	20.305	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	320399	20.227	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	16384	17.071	ug/l #	71
82) 4-Chlorotoluene	12.77	91	253105	19.980	ug/l	95
83) tert-Butylbenzene	12.99	119	275778	20.001	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	312804	20.126	ug/l	96
85) sec-Butylbenzene	13.17	105	342782	19.943	ug/l	98
86) p-Isopropyltoluene	13.29	119	299118	19.452	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	153592	19.336	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	148719	19.243	ug/l	98
89) n-Butylbenzene	13.61	91	228531	19.006	ug/l	98
90) Hexachloroethane	13.87	117	46952	19.671	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	153985	20.014	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12938	19.993	ug/l	83

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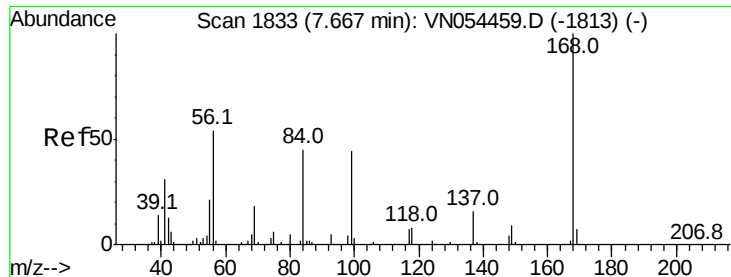
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	66932	17.451	ug/l	99
94) Hexachlorobutadiene	15.01	225	46960	20.321	ug/l	99
95) Naphthalene	15.13	128	147668	17.261	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	67407	17.658	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

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ClientSampleId :

VN0327WBSD01

Tot Ion:168 Resp: 407700

Ion Ratio Lower Upper

168 100

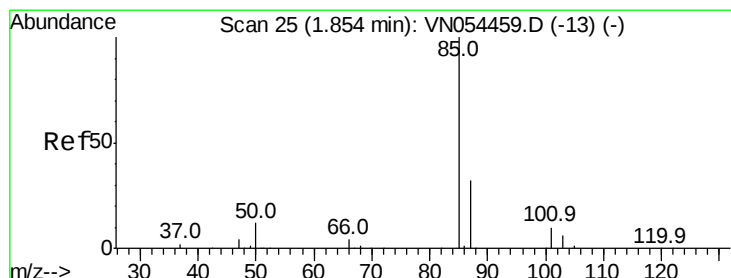
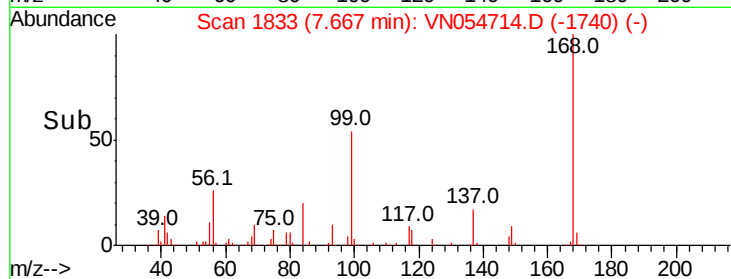
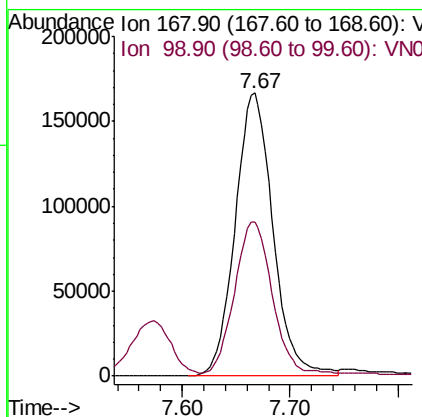
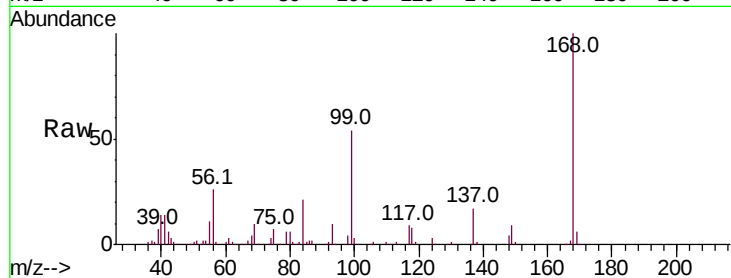
99 53.3 37.1 55.7

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 20.740 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054714.D

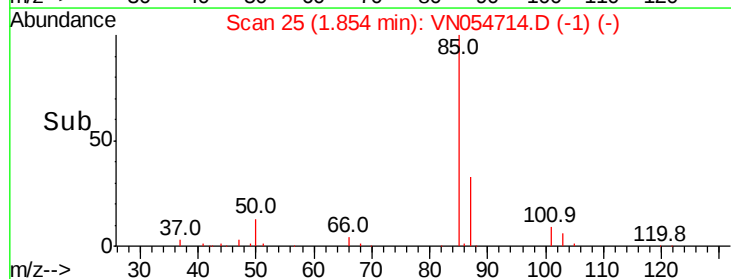
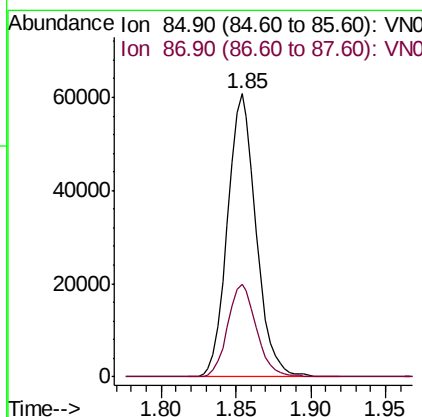
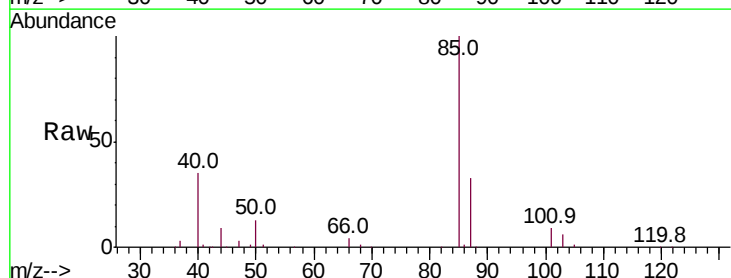
Acq: 27 Mar 2019 11:46

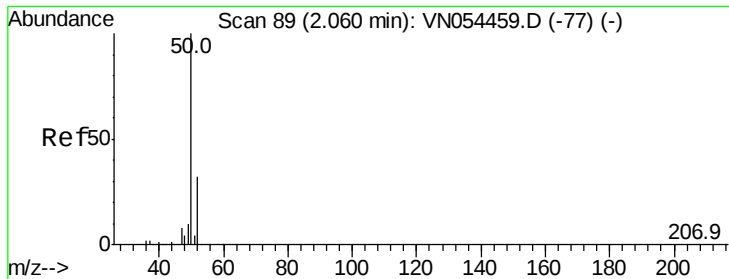
Tgt Ion: 85 Resp: 80835

Ion Ratio Lower Upper

85 100

87 32.9 15.9 47.7





#3

Chloromethane

Concen: 20.871 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

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ClientSampleId :

VN0327WBSD01

Tot Ion: 50 Resp: 110677

Ion Ratio Lower Upper

50 100

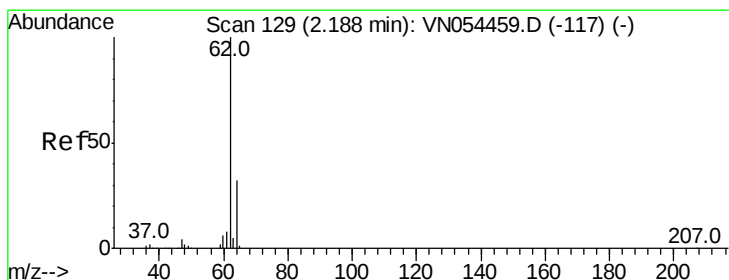
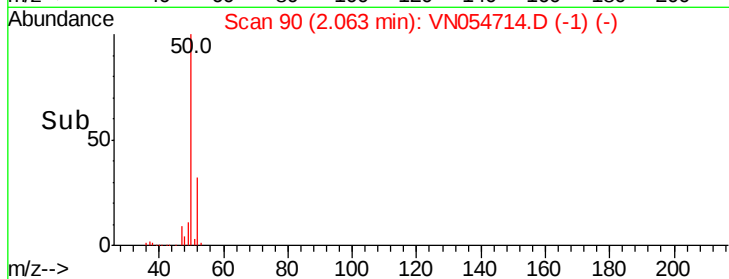
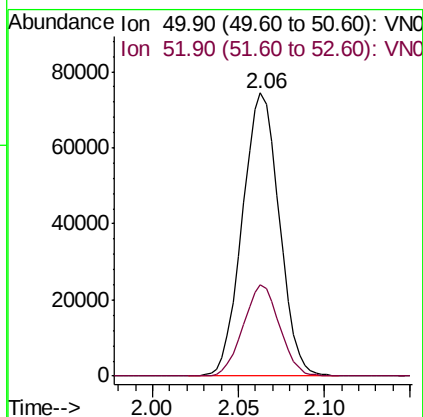
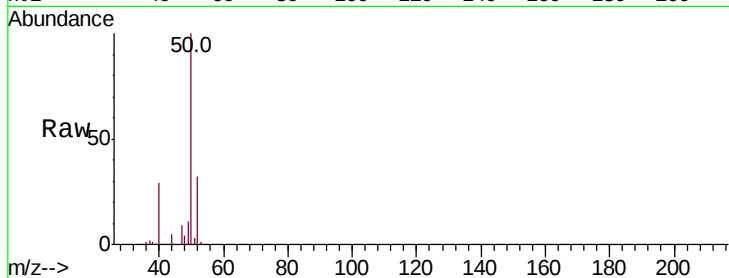
52 32.2 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.543 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054714.D

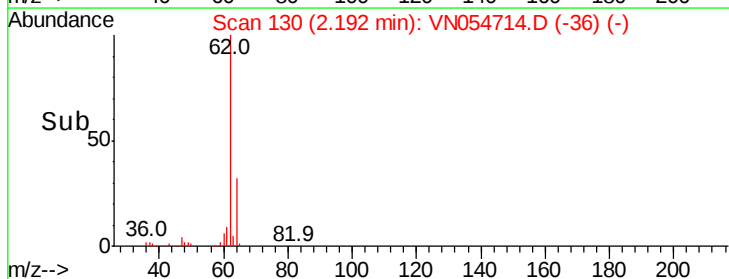
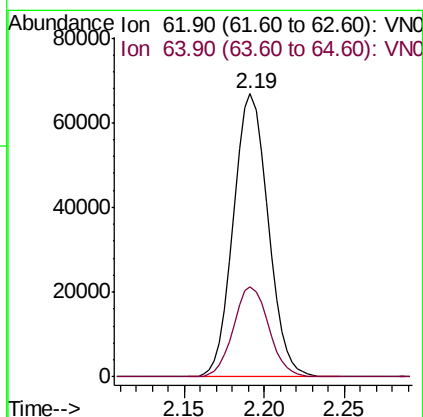
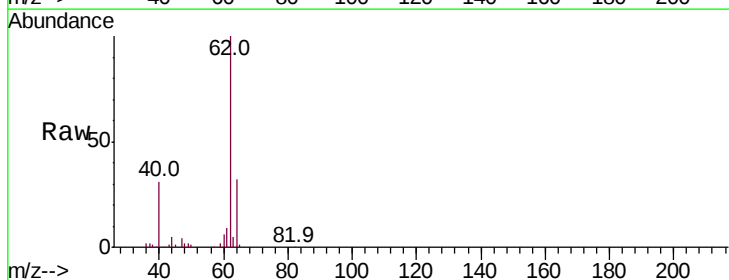
Acq: 27 Mar 2019 11:46

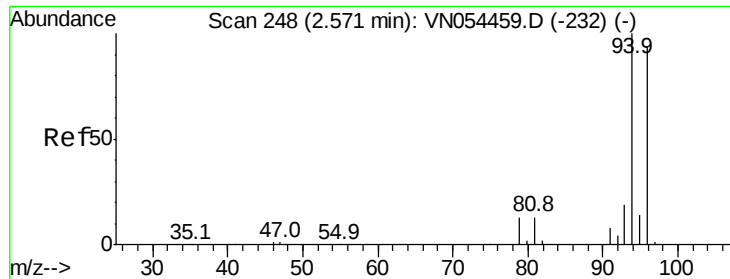
Tgt Ion: 62 Resp: 98725

Ion Ratio Lower Upper

62 100

64 31.8 25.5 38.3





#5

Bromomethane

Concen: 16.728 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

ClientSampled :

VN0327WBSD01

Tot Ion: 94 Resp: 57588

Ion Ratio Lower Upper

94 100

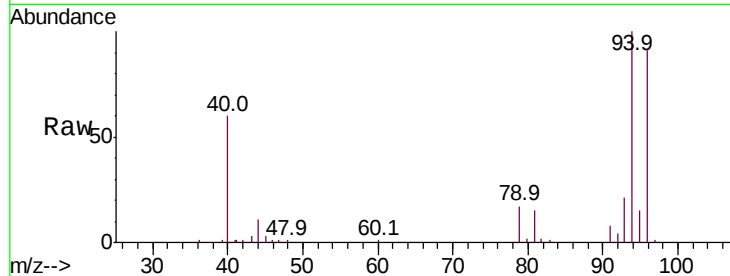
96 90.8 77.0 115.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.58

30000

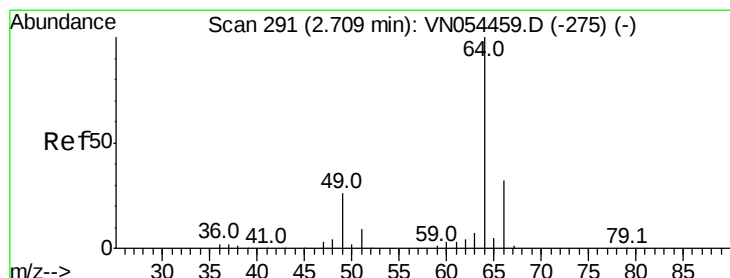
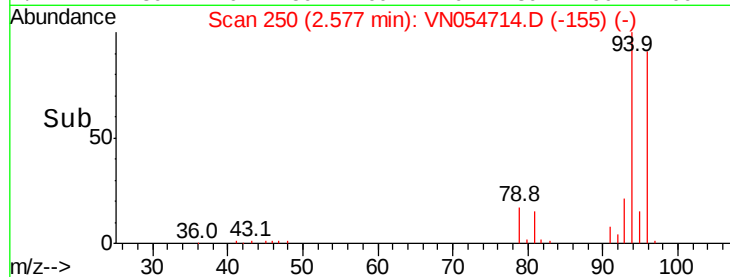
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10000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 17.863 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054714.D

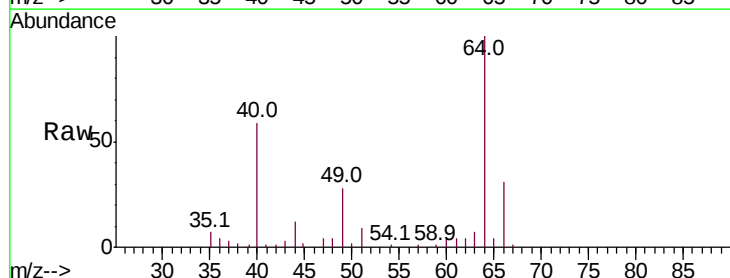
Acq: 27 Mar 2019 11:46

Tgt Ion: 64 Resp: 57043

Ion Ratio Lower Upper

64 100

66 31.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

30000

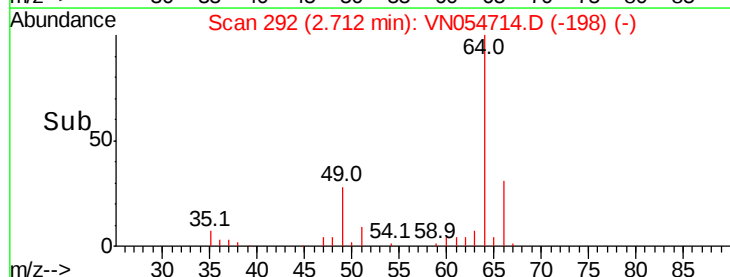
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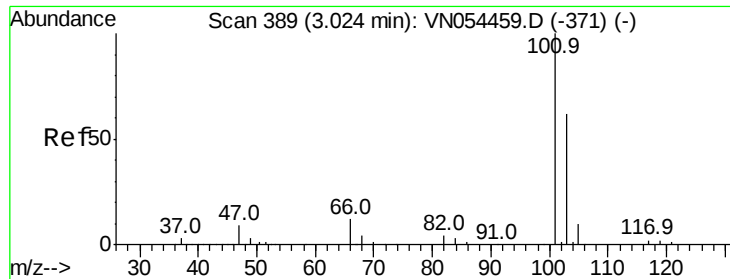
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Time-->

2.65 2.70 2.75 2.80





#7

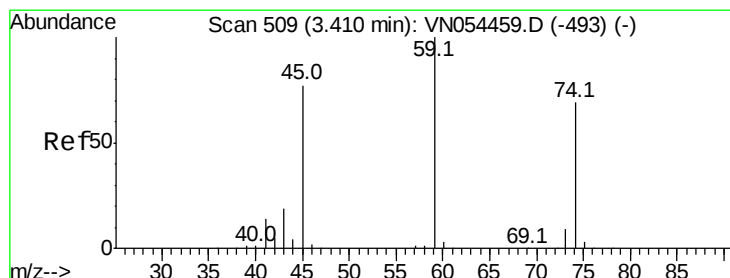
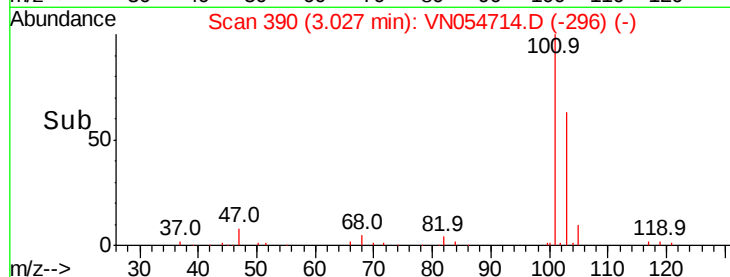
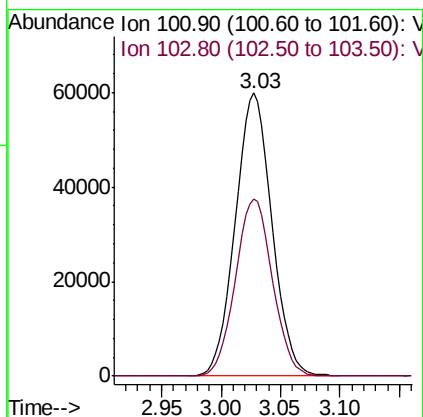
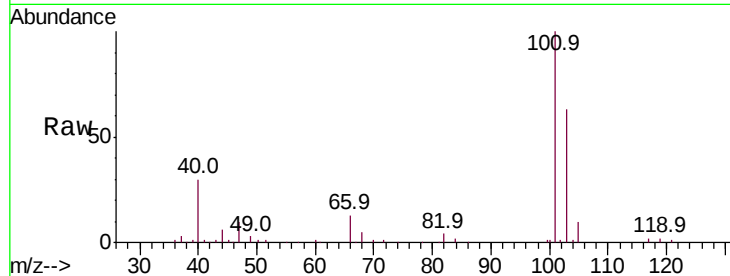
Trichlorofluoromethane
Concen: 19.761 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Instrument :
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ClientSampleId :
VN0327WBSD01

Tot Ion:101 Resp: 127766
Ion Ratio Lower Upper
101 100
103 62.5 51.4 77.2

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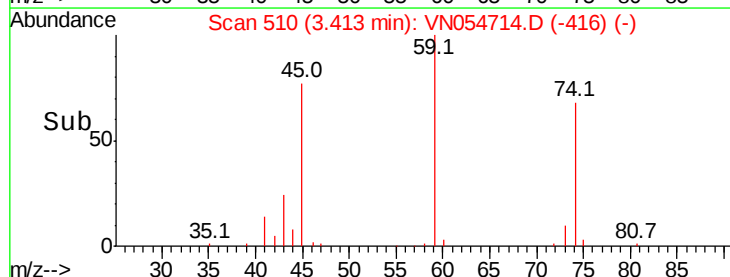
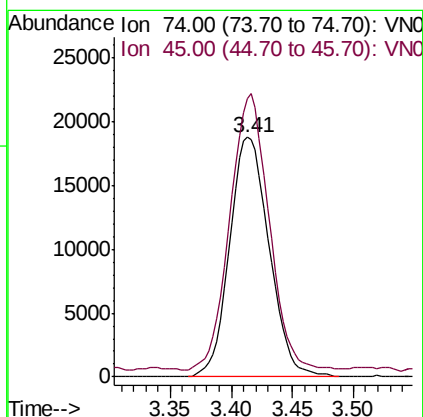
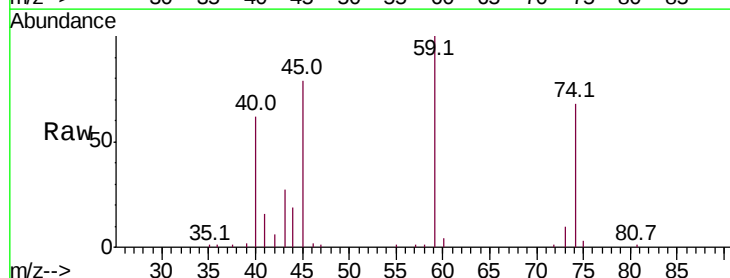
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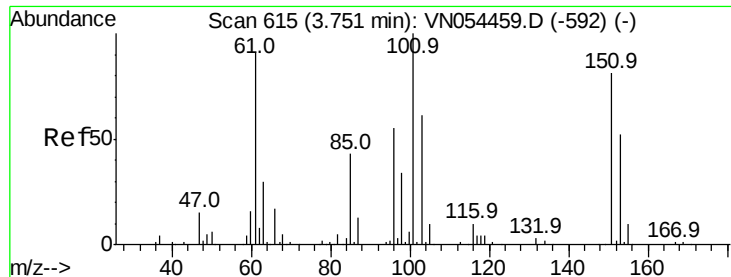


#8

Diethyl Ether
Concen: 17.007 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Tgt Ion: 74 Resp: 42290
Ion Ratio Lower Upper
74 100
45 114.1 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.820 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.01 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

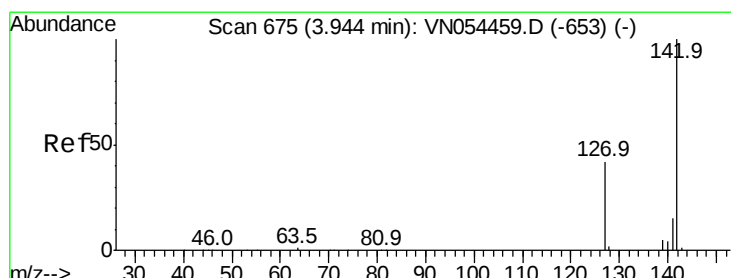
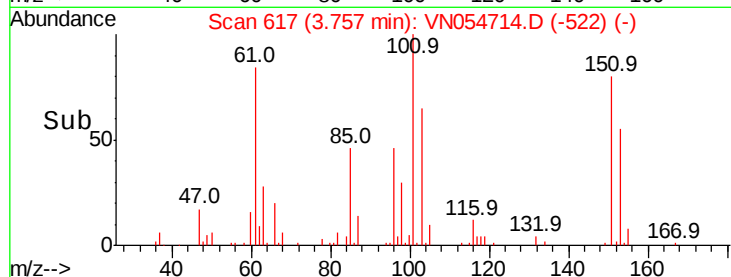
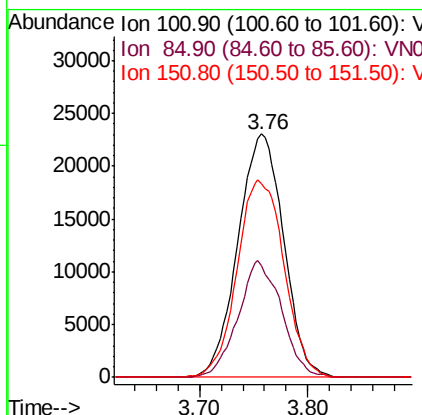
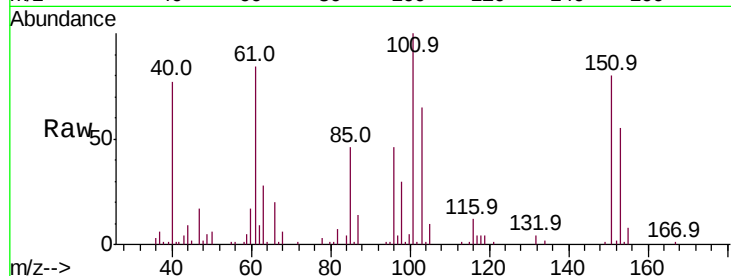
ClientSampleId :

VN0327WBSD01

Tot Ion:	101	Resp:	67713
Ion Ratio	Lower	Upper	
101	100		
85	45.5	32.4	48.6
151	83.3	68.2	102.2

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#10

Methyl Iodide

Concen: 17.356 ug/l

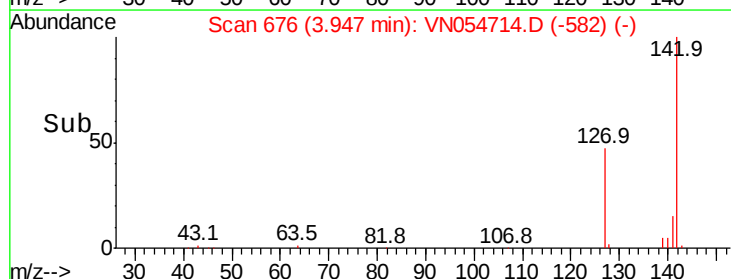
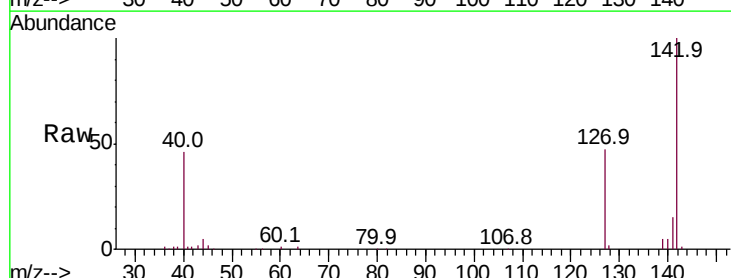
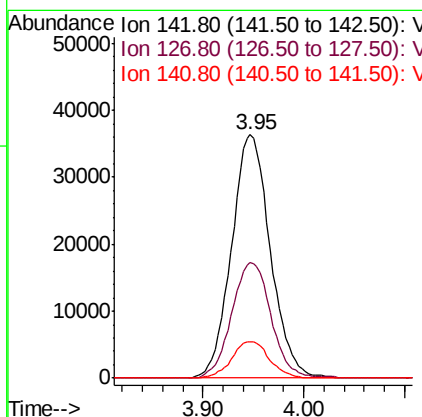
RT: 3.95 min Scan# 676

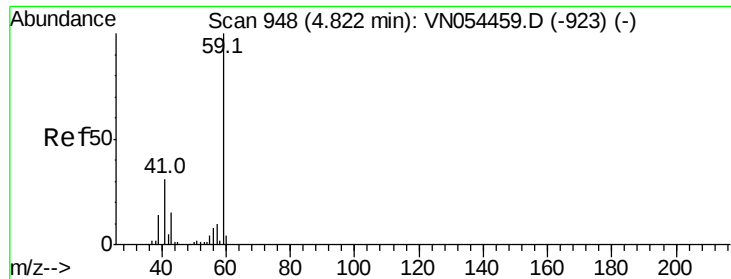
Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Tgt Ion:	142	Resp:	97016
Ion Ratio	Lower	Upper	
142	100		
127	48.0	30.3	45.5#
141	14.5	11.2	16.8





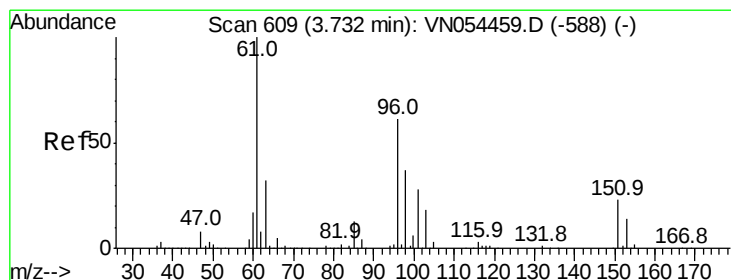
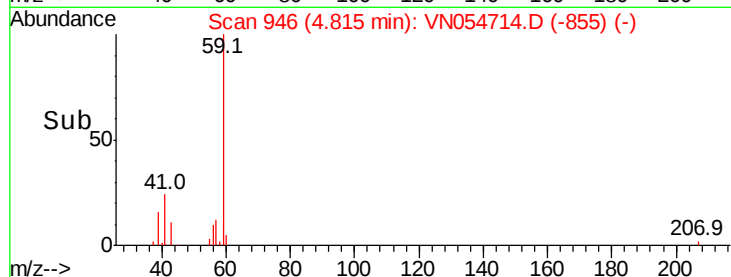
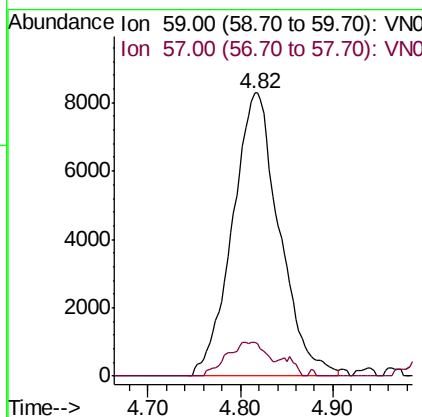
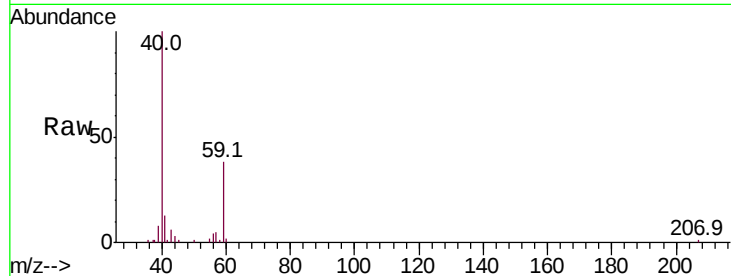
#11
Tert butyl alcohol
Concen: 95.004 ug/l
RT: 4.82 min Scan# 946
Delta R.T. -0.01 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0327WBSD01

Tot Ion: 59 Resp: 29168
Ion Ratio Lower Upper
59 100
57 10.2 9.0 13.6

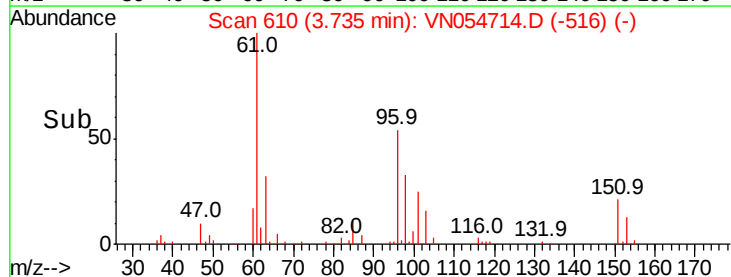
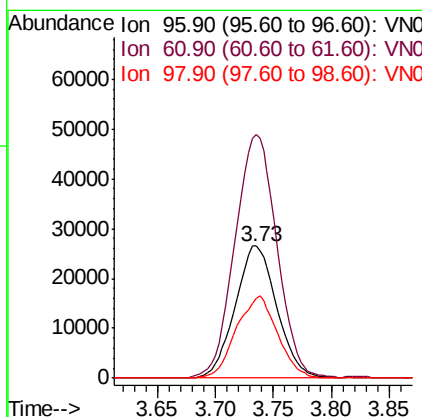
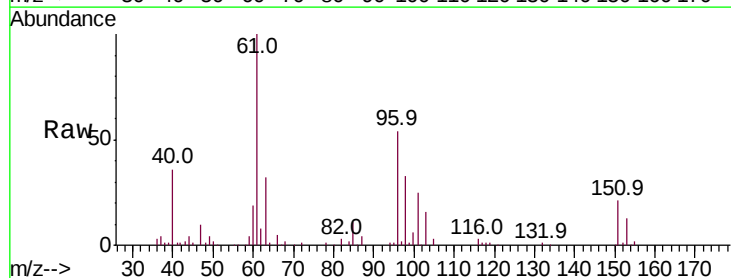
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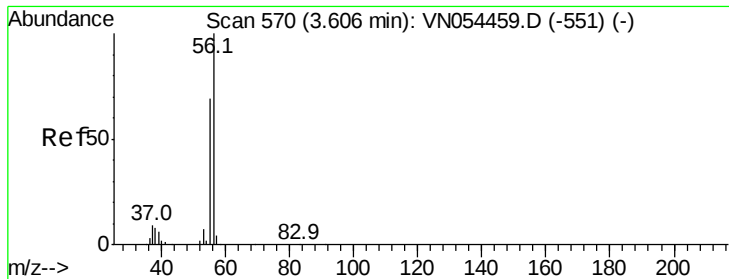
MMDadoda
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#12
1,1-Dichloroethene
Concen: 16.878 ug/l
RT: 3.73 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Tgt Ion: 96 Resp: 66372
Ion Ratio Lower Upper
96 100
61 183.7 116.5 174.7#
98 60.8 51.0 76.4





#13

Acrolein

Concen: 107.119 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0327WBSD01

Tot Ion: 56 Resp: 45385

Ion Ratio Lower Upper

56 100

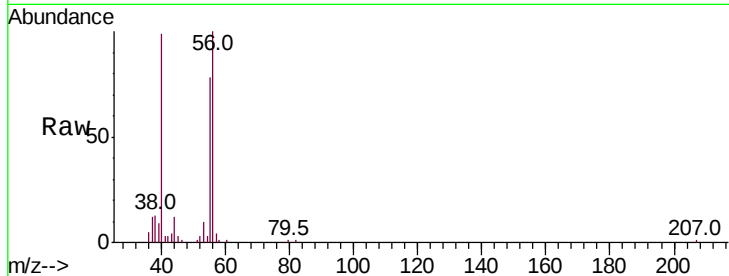
55 75.4 56.7 85.1

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

20000

15000

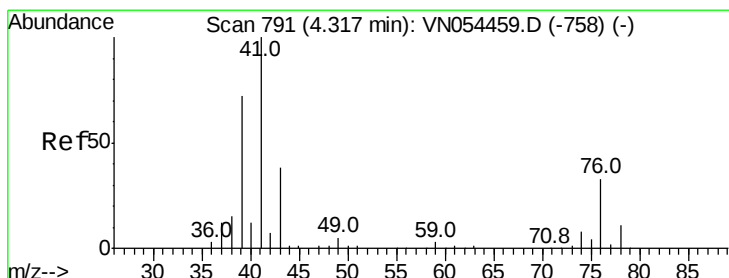
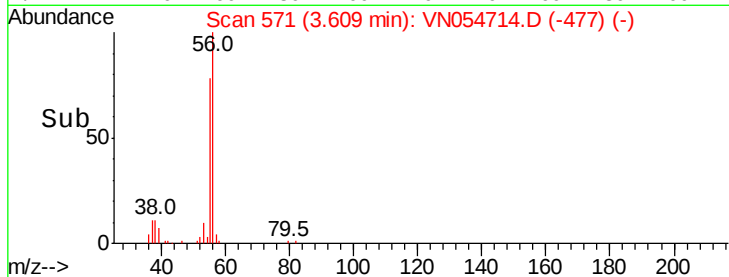
10000

5000

0

3.50 3.55 3.60 3.65 3.70

Time-->



#14

Allyl chloride

Concen: 20.439 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

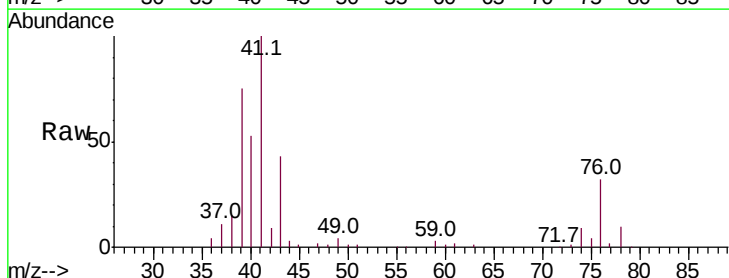
Tgt Ion: 41 Resp: 151349

Ion Ratio Lower Upper

41 100

39 69.3 58.2 87.4

76 29.5 31.7 47.5#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

60000

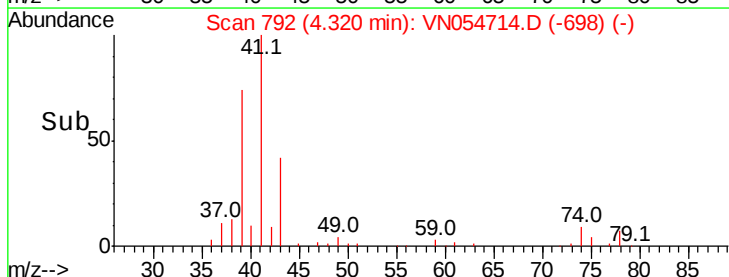
40000

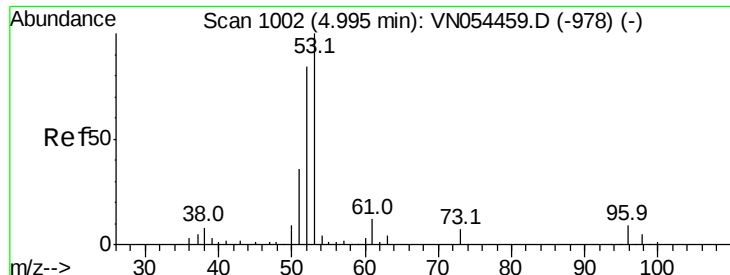
20000

0

4.20 4.30 4.40

Time-->





#15

Acrylonitrile

Concen: 106.886 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

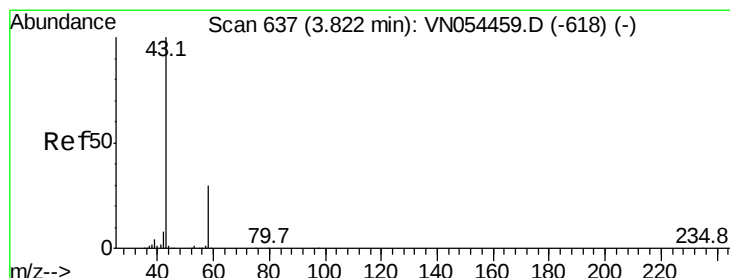
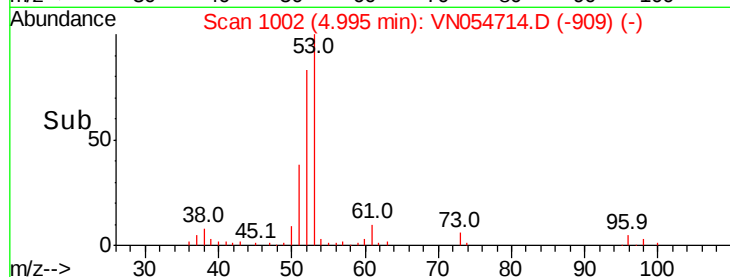
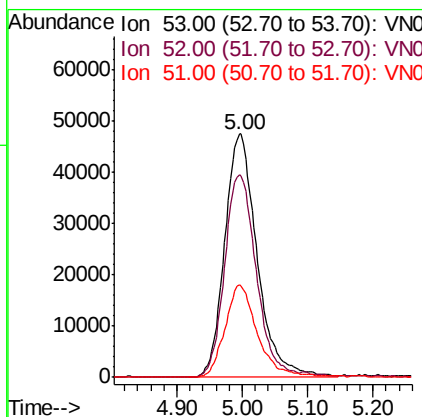
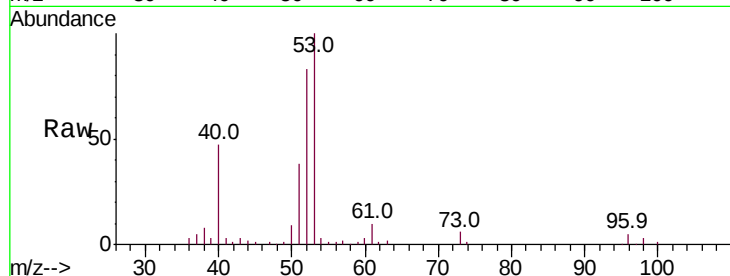
ClientSampleId :

VN0327WBSD01

Tot Ion:	53	Resp:	163420
Ion	Ratio	Lower	Upper
53	100		
52	81.1	66.4	99.6
51	37.5	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 82.348 ug/l

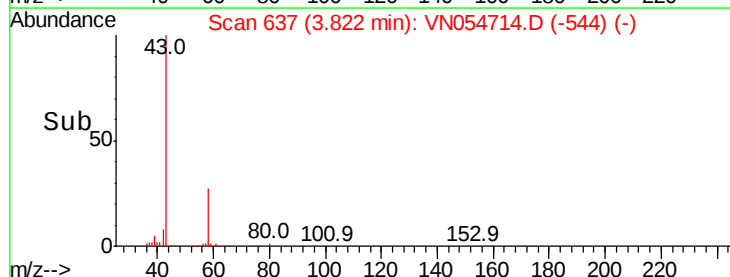
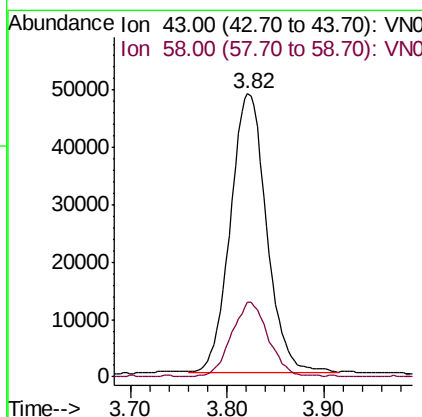
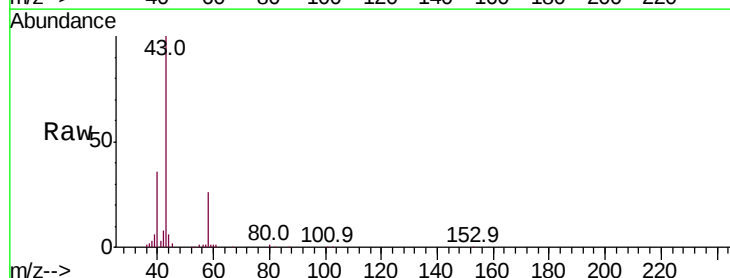
RT: 3.82 min Scan# 637

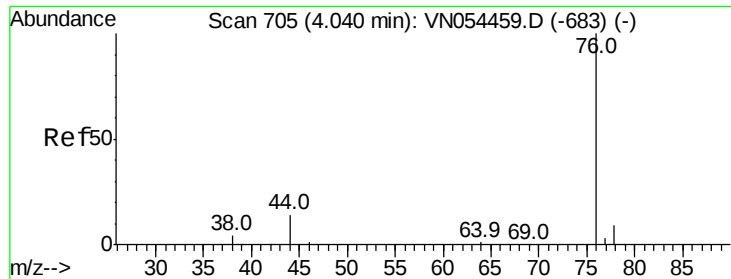
Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Tgt Ion:	43	Resp:	125551
Ion	Ratio	Lower	Upper
43	100		
58	26.8	29.9	44.9#





#17

Carbon Disulfide

Concen: 16.061 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0327WBSD01

Tot Ion: 76 Resp: 169226

Ion Ratio Lower Upper

76 100

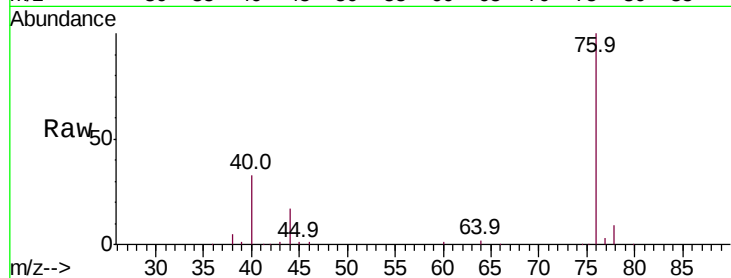
78 9.4 7.5 11.3

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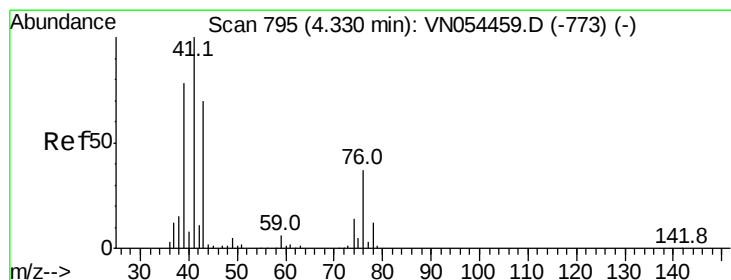
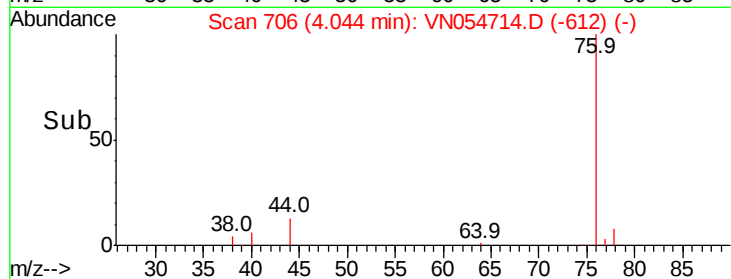
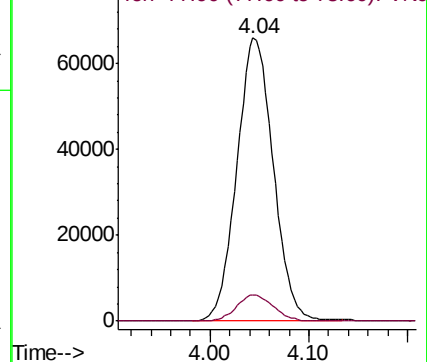
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 22.893 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054714.D

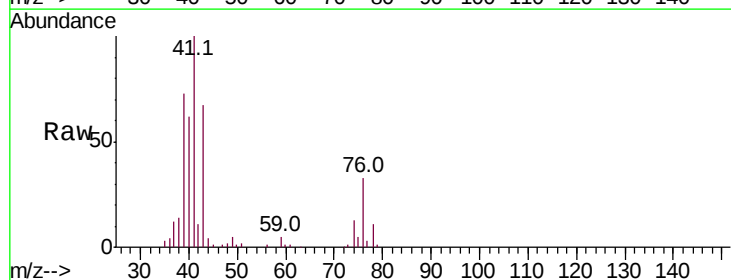
Acq: 27 Mar 2019 11:46

Tgt Ion: 43 Resp: 77796

Ion Ratio Lower Upper

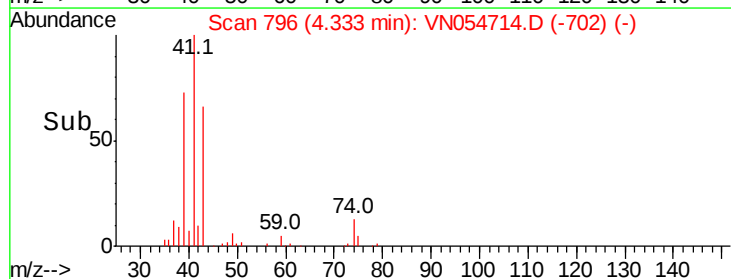
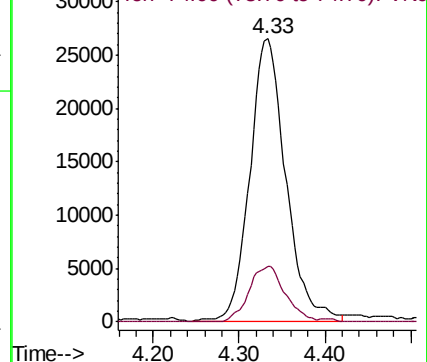
43 100

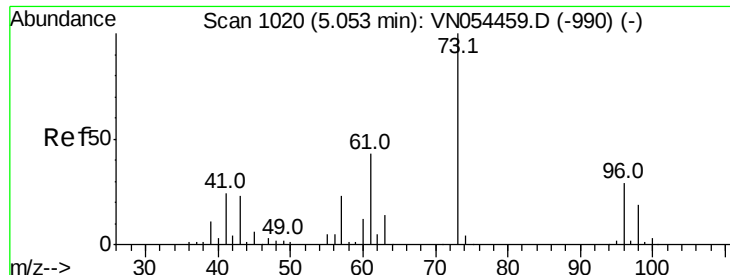
74 19.7 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





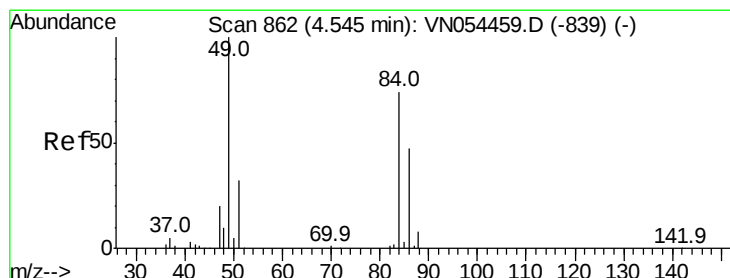
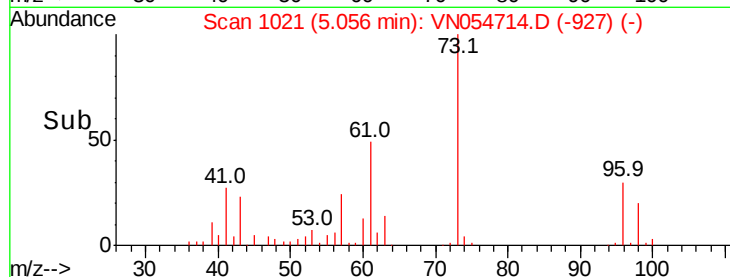
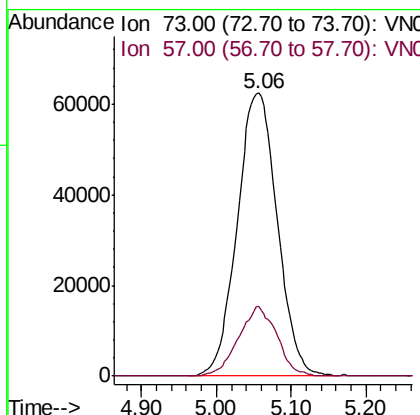
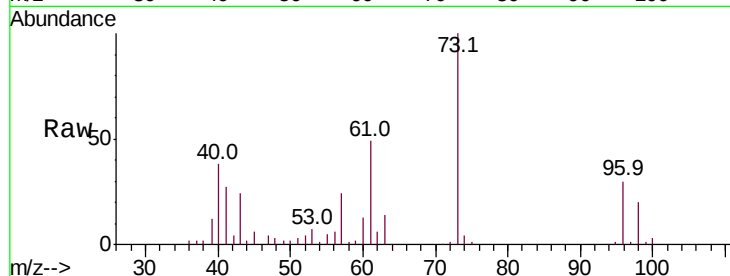
#19
Methvl tert-butvl Ether
Concen: 20.277 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0327WBSD01

Tot Ion: 73 Resp: 232710
Ion Ratio Lower Upper
73 100
57 24.5 16.8 25.2

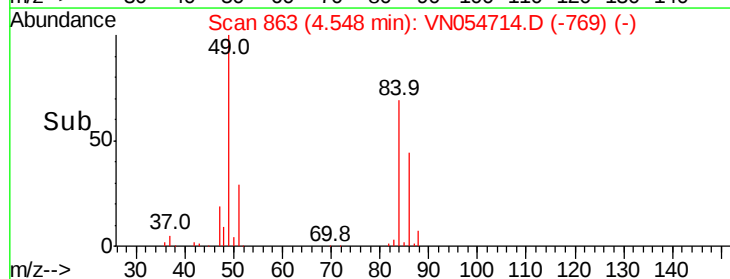
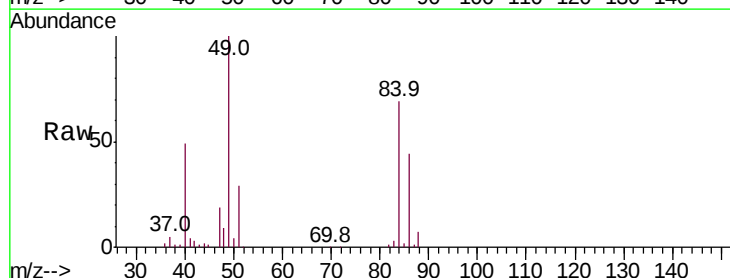
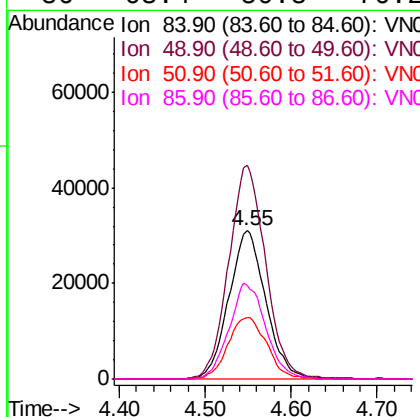
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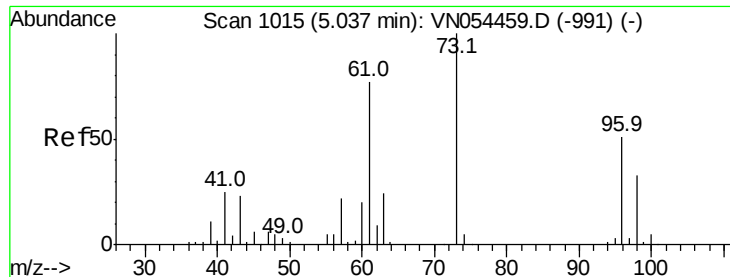
MMDadoda
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#20
Methylene Chloride
Concen: 20.557 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Tgt Ion: 84 Resp: 92391
Ion Ratio Lower Upper
84 100
49 143.9 89.7 134.5#
51 41.8 28.2 42.4
86 63.4 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 20.233 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0327WBSD01

Tot Ion: 96 Resp: 81246

Ion Ratio Lower Upper

96 100

61 155.9 102.8 154.2#

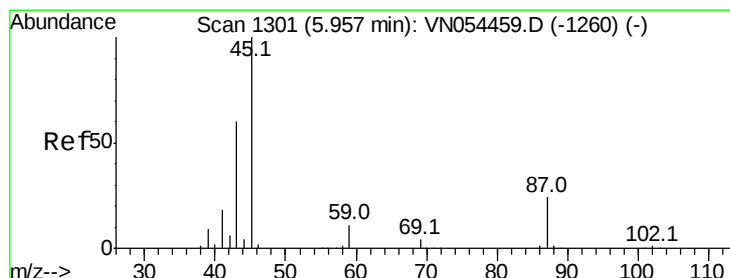
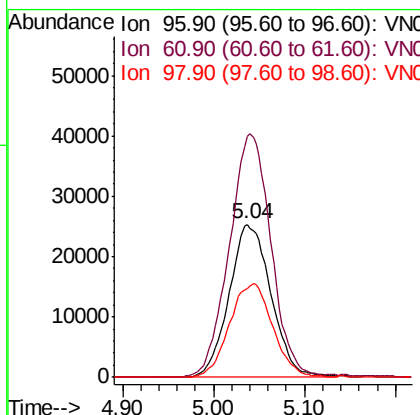
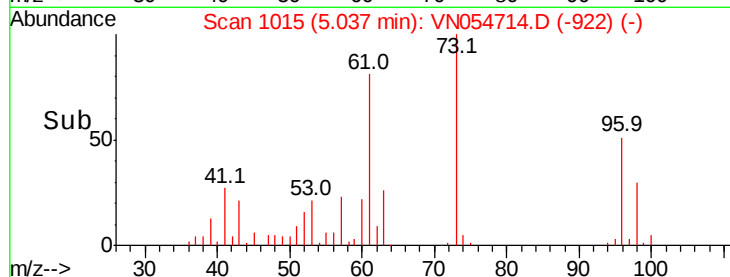
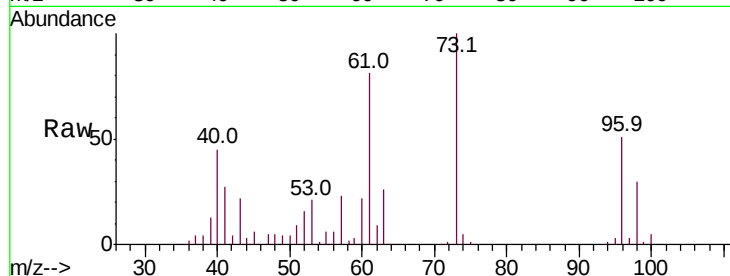
98 58.1 50.0 75.0

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#22

Diisopropyl ether

Concen: 22.158 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Tgt Ion: 45 Resp: 323639

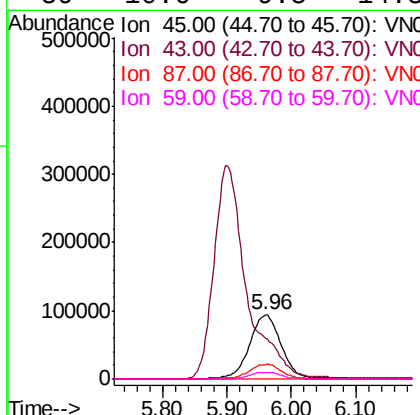
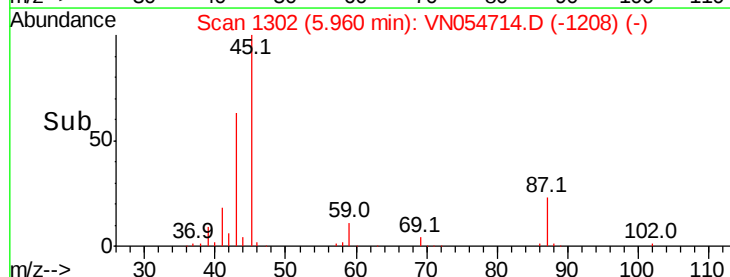
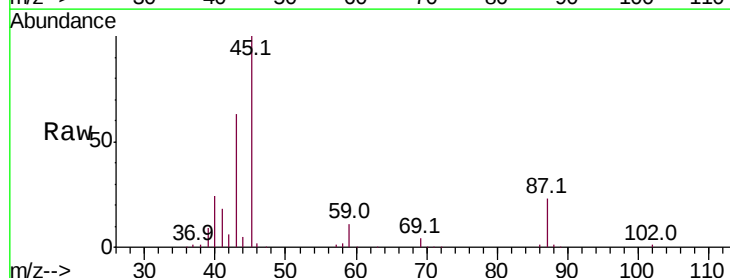
Ion Ratio Lower Upper

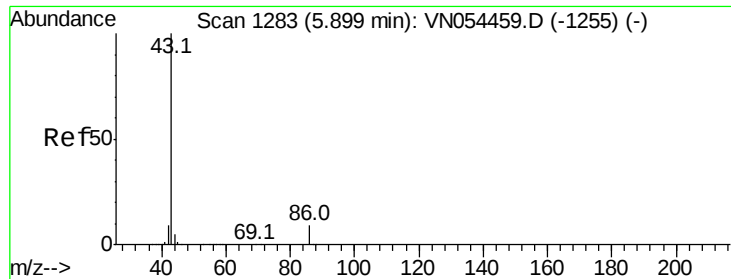
45 100

43 61.6 48.2 72.2

87 22.6 24.9 37.3#

59 10.6 9.5 14.3





#23

Vinyl Acetate

Concen: 106.988 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

ClientSampled :

VN0327WBSD01

Tot Ion: 43 Resp: 1103681

Ion Ratio Lower Upper

43 100

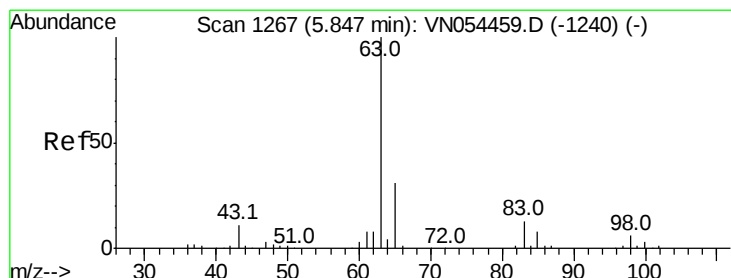
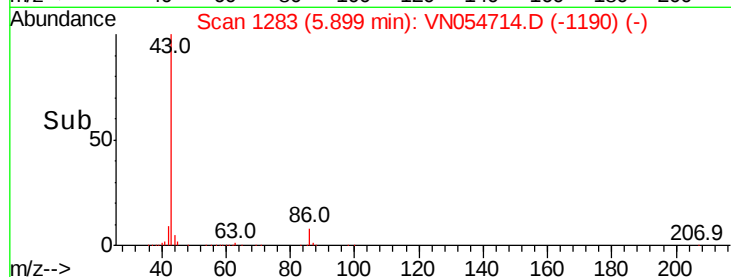
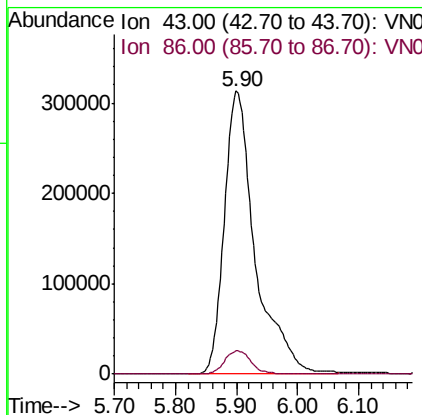
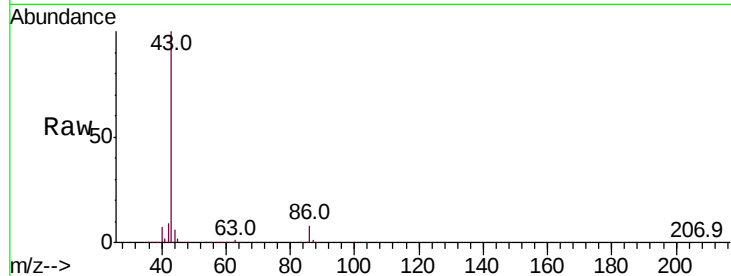
86 8.3 9.1 13.7#

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#24

1,1-Dichloroethane

Concen: 21.770 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

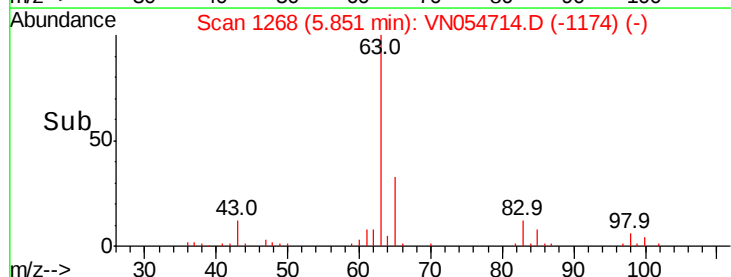
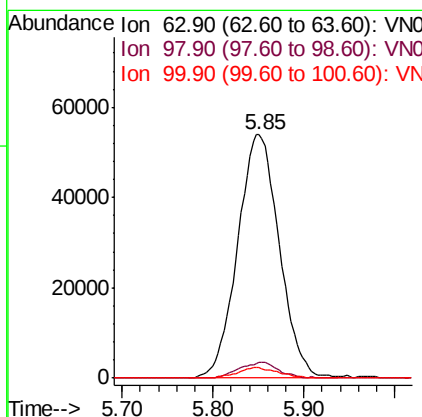
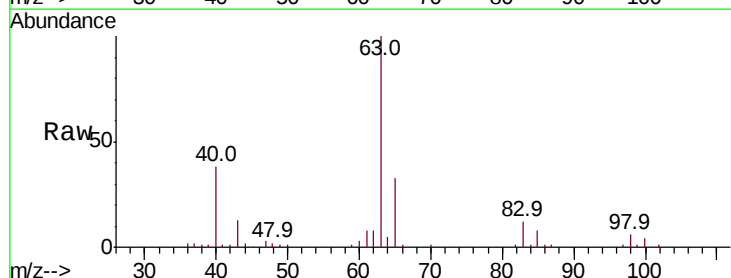
Tgt Ion: 63 Resp: 171210

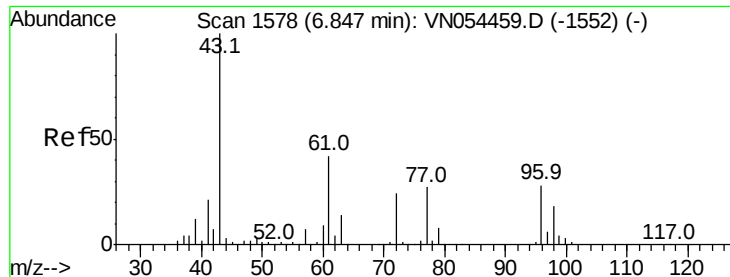
Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.5

100 4.3 2.0 6.0





#25

2-Butanone

Concen: 100.505 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0327WBSD01

Tot Ion: 43 Resp: 196293

Ion Ratio Lower Upper

43 100

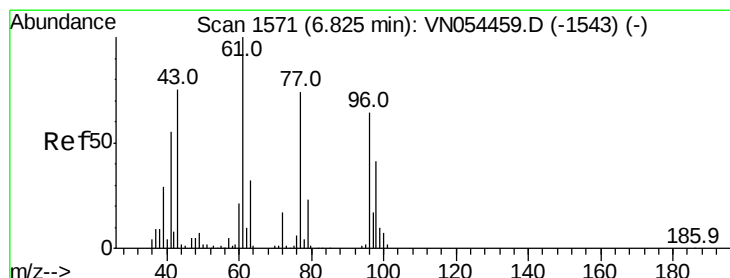
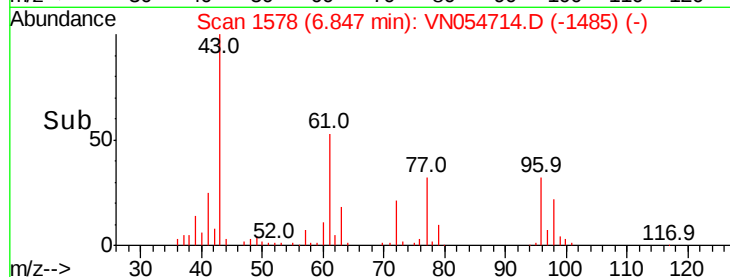
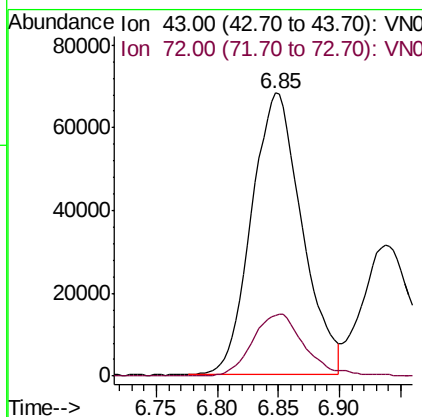
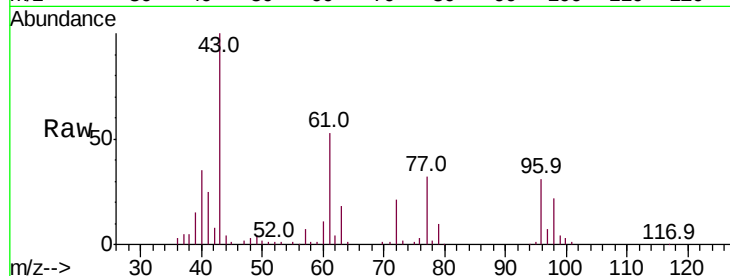
72 21.3 23.0 34.6#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.529 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054714.D

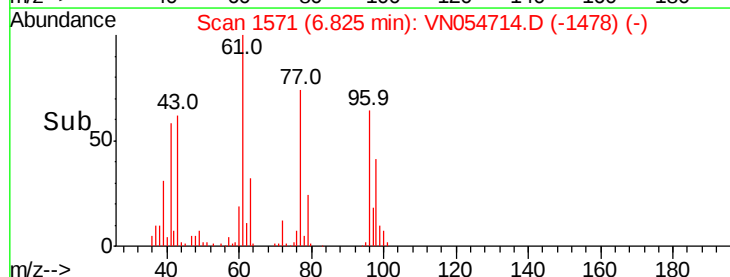
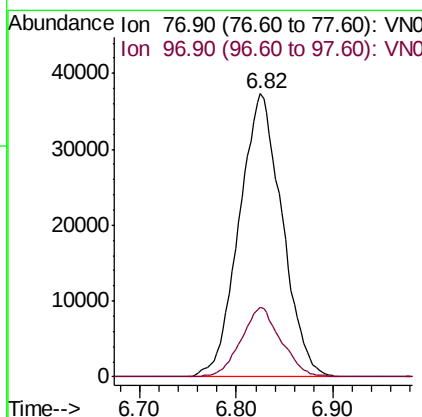
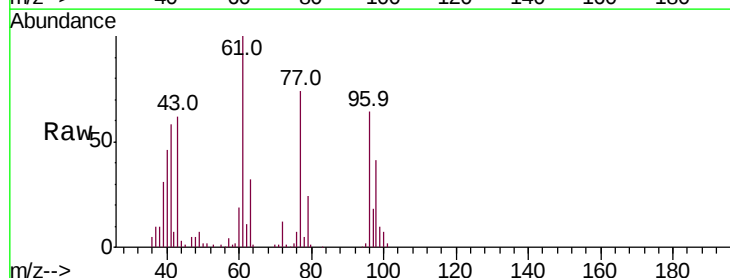
Acq: 27 Mar 2019 11:46

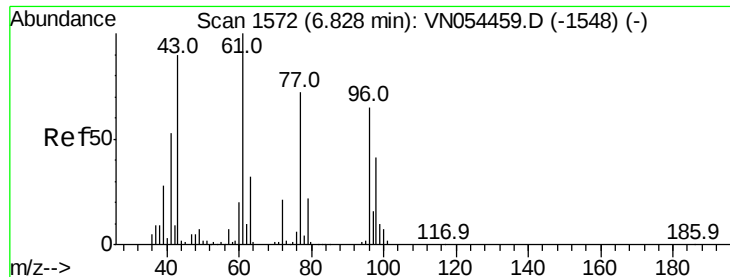
Tgt Ion: 77 Resp: 115088

Ion Ratio Lower Upper

77 100

97 22.9 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 20.597 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

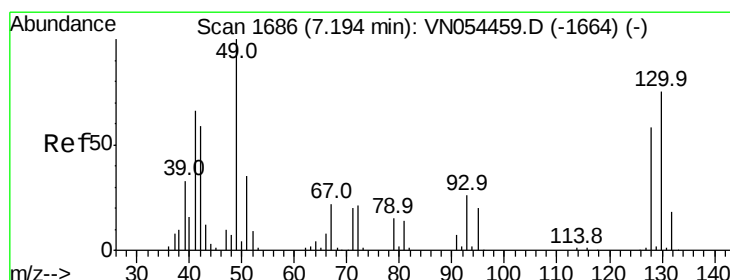
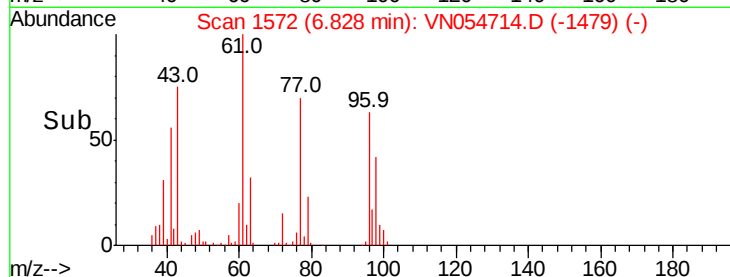
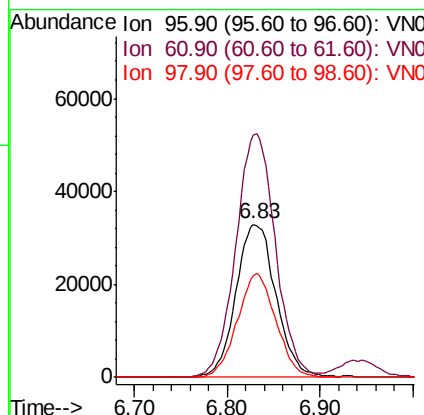
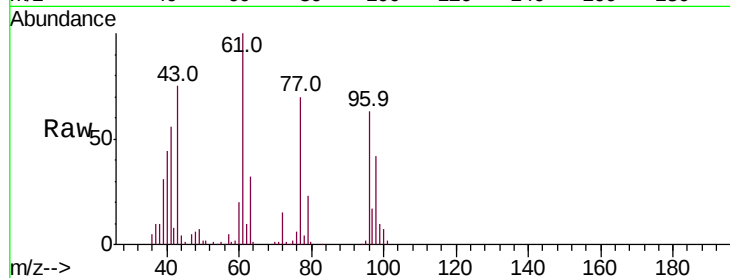
ClientSampleId :

VN0327WBSD01

Tot Ion:	96	Resp:	98651
Ion	Ratio	Lower	Upper
96	100		
61	157.4	0.0	273.0
98	65.0	0.0	130.6

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#28

Bromochloromethane

Concen: 23.559 ug/l

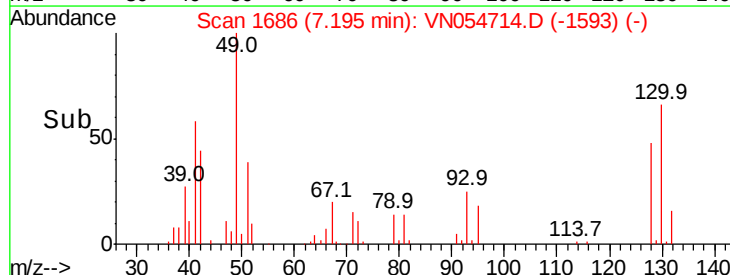
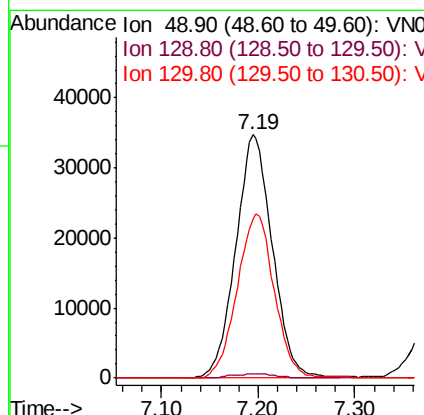
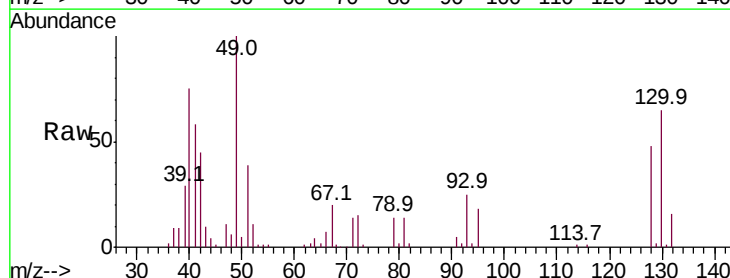
RT: 7.19 min Scan# 1686

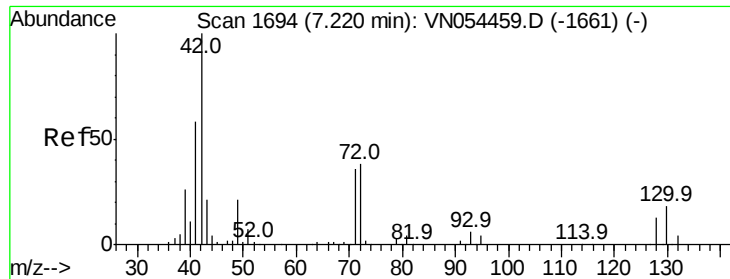
Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Tgt Ion:	49	Resp:	91200
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.6
130	68.1	76.7	115.1#





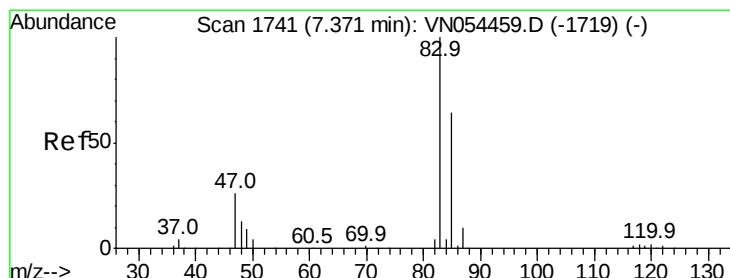
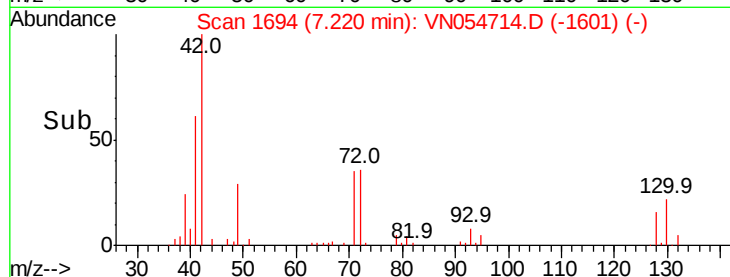
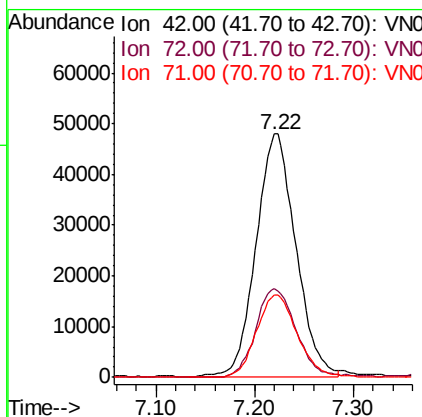
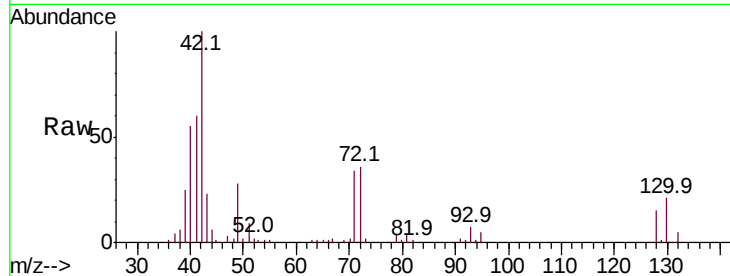
#29
Tetrahydrofuran
Concen: 105.928 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0327WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.9	37.8	56.6#
71	34.6	36.2	54.2#

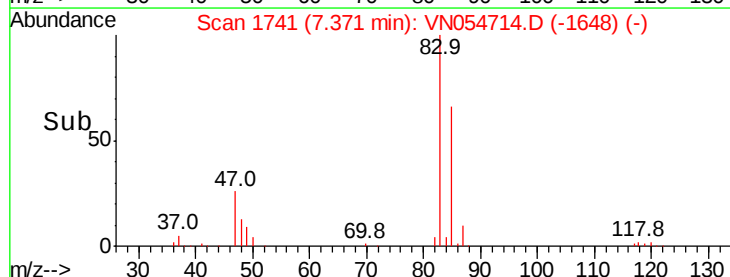
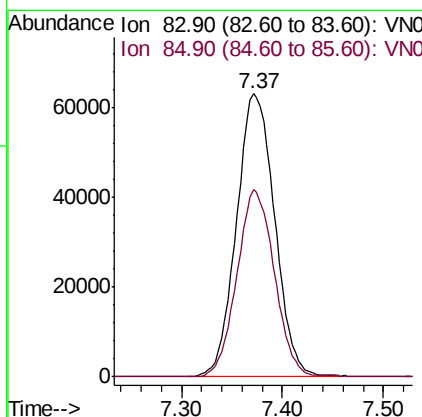
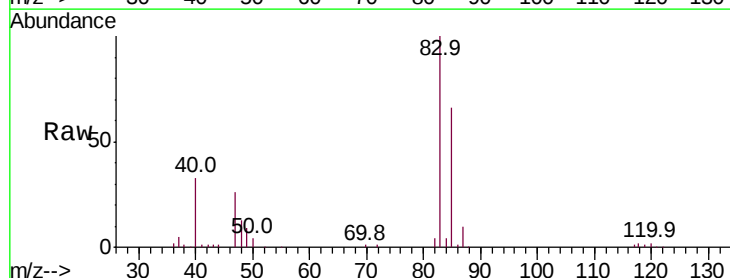
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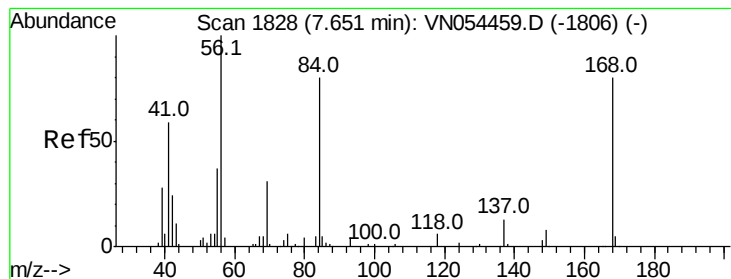
MMDadoda
3/28/2019 12:44:44 PM



#30
Chloroform
Concen: 21.606 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.2	78.4





#31

Cyclohexane

Concen: 20.021 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0327WBSD01

Tot Ion: 56 Resp: 159268

Ion Ratio Lower Upper

56 100

69 35.2 27.8 41.6

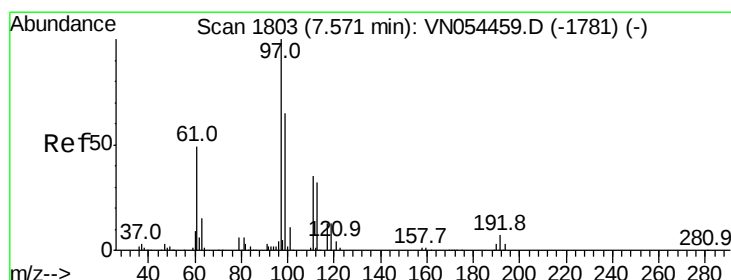
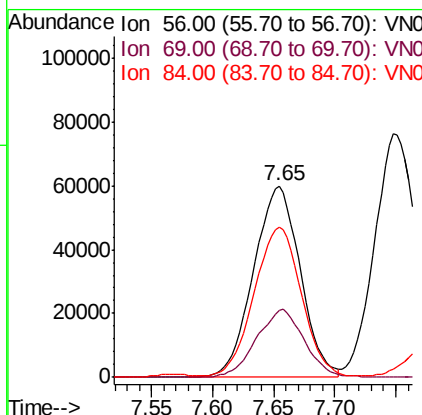
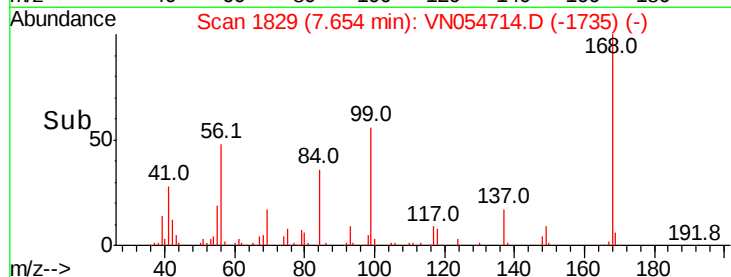
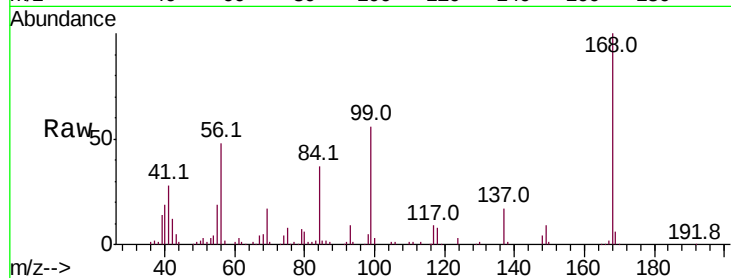
84 77.2 74.6 111.8

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 21.289 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

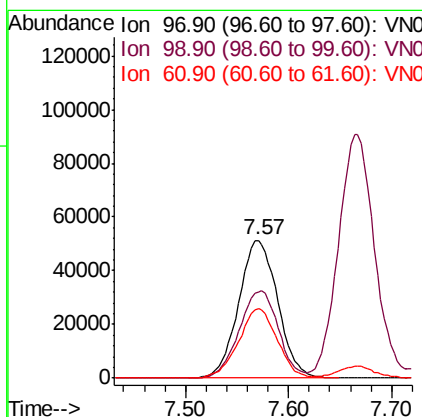
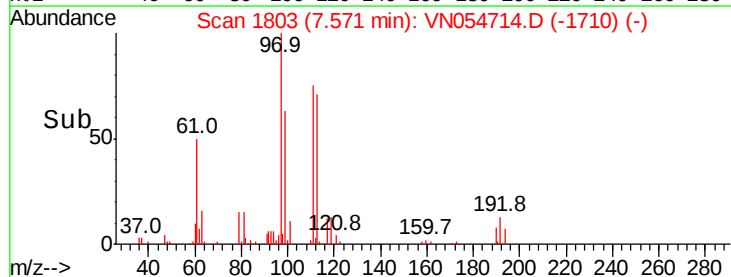
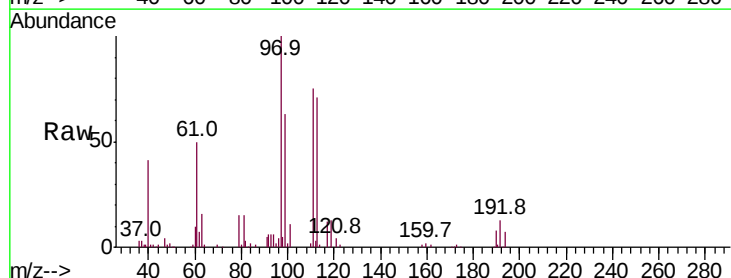
Tgt Ion: 97 Resp: 134800

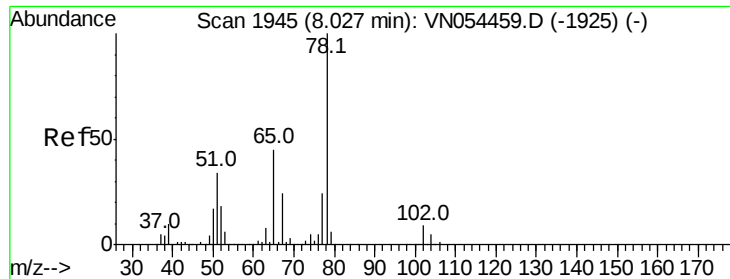
Ion Ratio Lower Upper

97 100

99 63.9 51.5 77.3

61 50.0 33.6 50.4





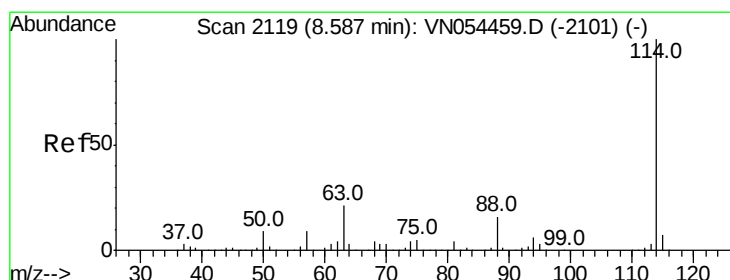
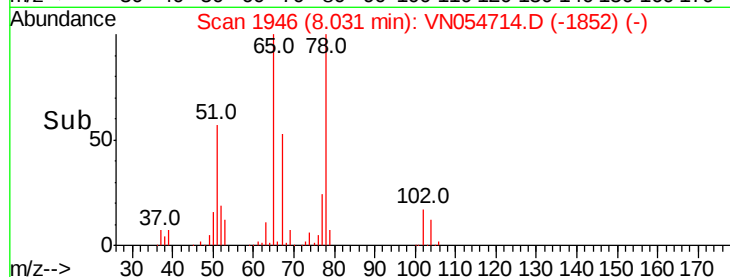
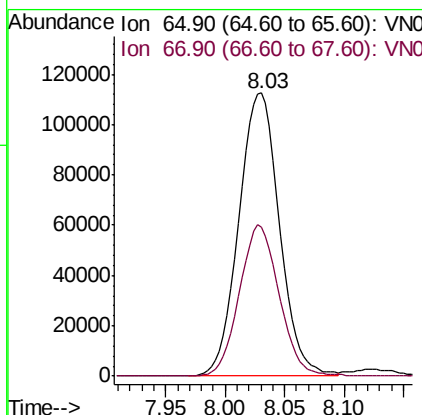
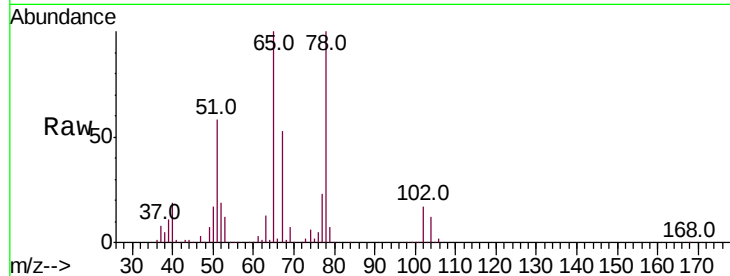
#33
 1,2-Dichloroethane-d4
 Concen: 52.539 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN054714.D
 Acq: 27 Mar 2019 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0327WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	266430		
67	52.4	0.0	104.6	

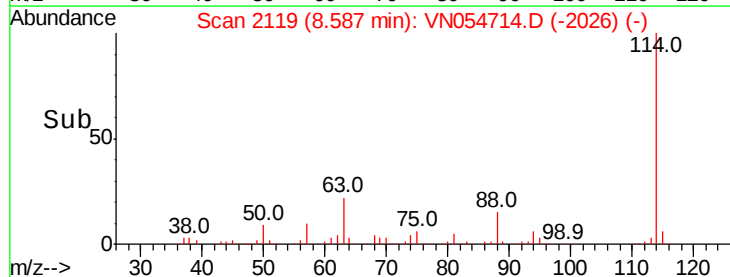
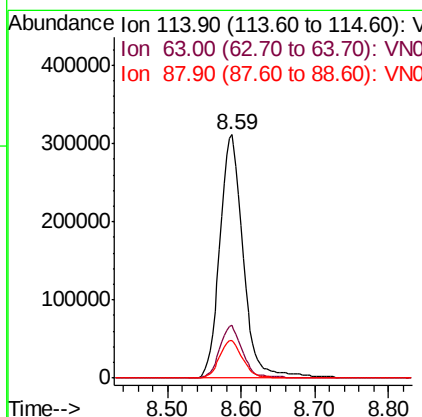
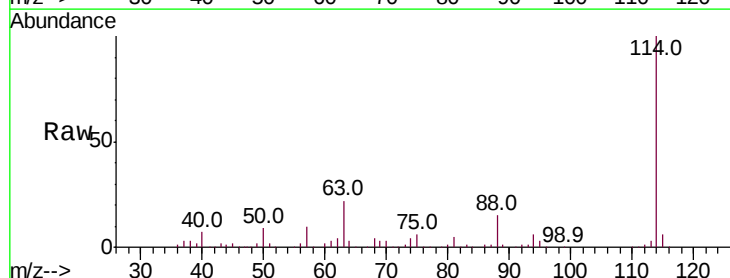
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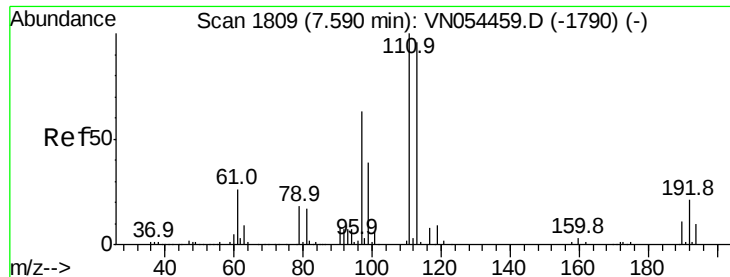
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054714.D
 Acq: 27 Mar 2019 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	688552		
63	21.6	0.0	35.2	
88	15.5	0.0	30.2	





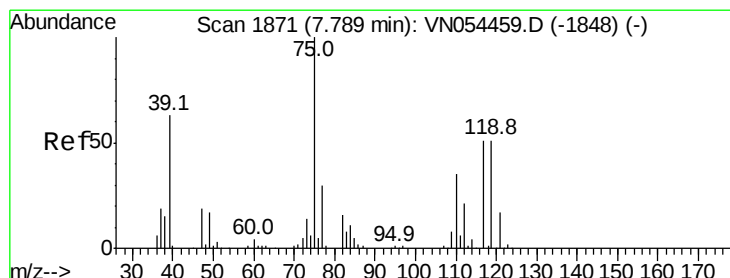
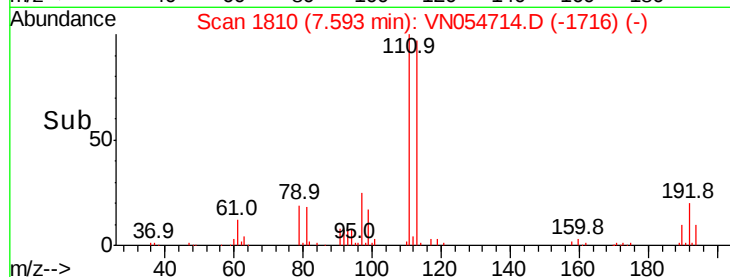
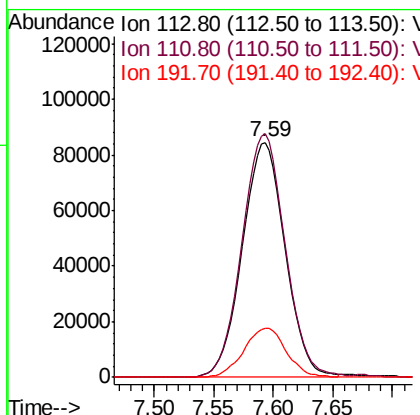
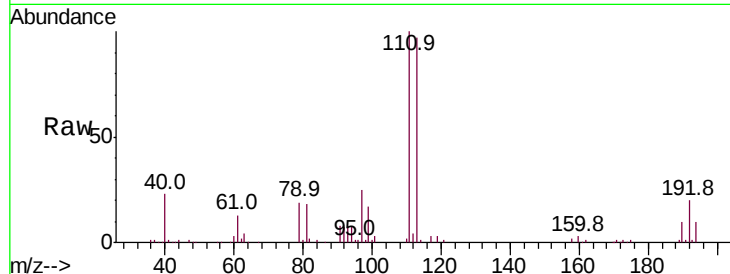
#35
 Dibromofluoromethane
 Concen: 47.524 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054714.D
 Acq: 27 Mar 2019 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0327WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	104.6	82.2	123.4	
192	20.8	19.2	28.8	

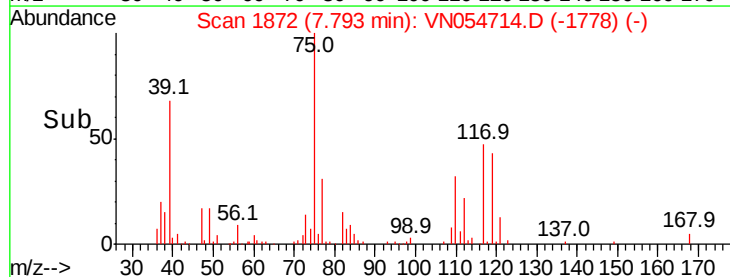
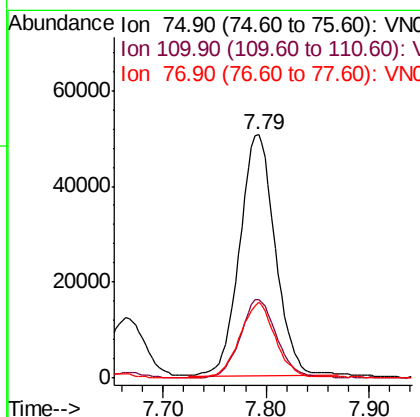
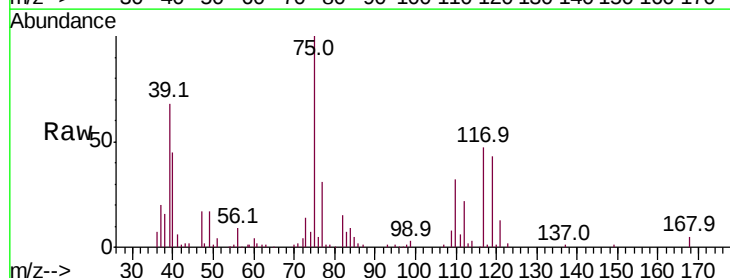
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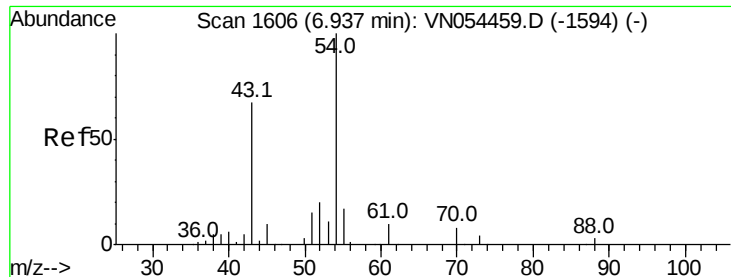
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#36
 1,1-Dichloropropene
 Concen: 18.780 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054714.D
 Acq: 27 Mar 2019 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.2	19.1	57.5	
77	31.5	25.0	37.4	





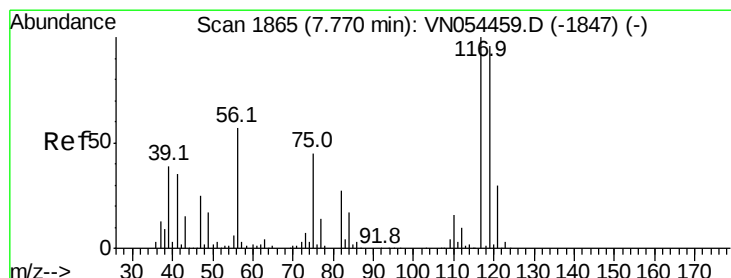
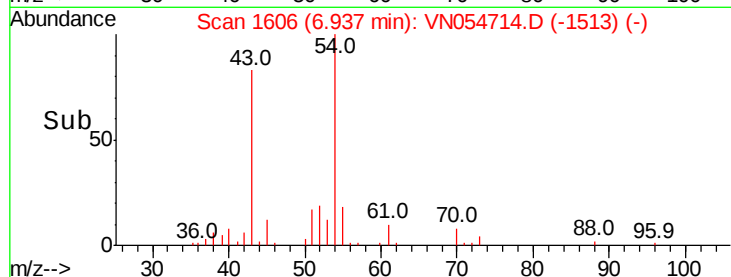
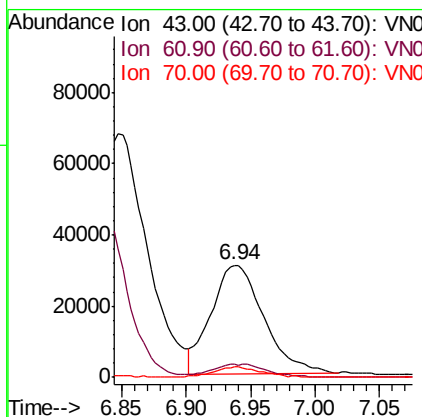
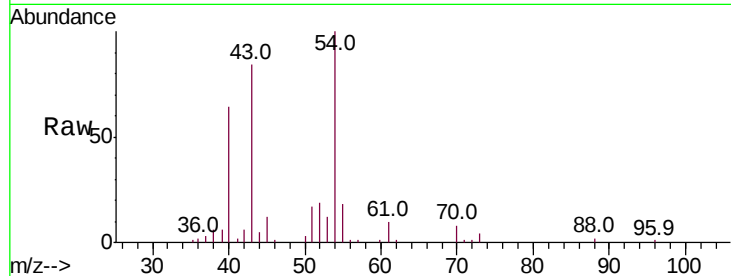
#37
Ethyl Acetate
Concen: 19.026 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0327WBSD01

Tot Ion	43	61	70
Ion Ratio	100	0.0	8.8
Resp: Lower		11.8	8.4
Upper		17.6#	12.6

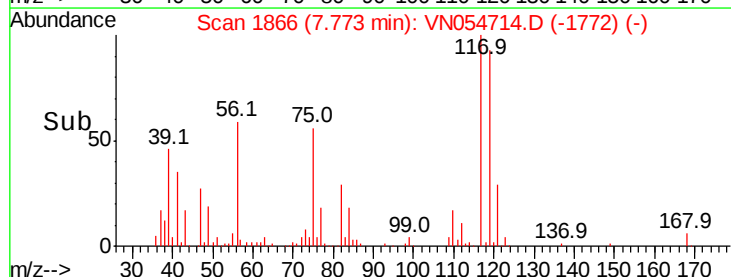
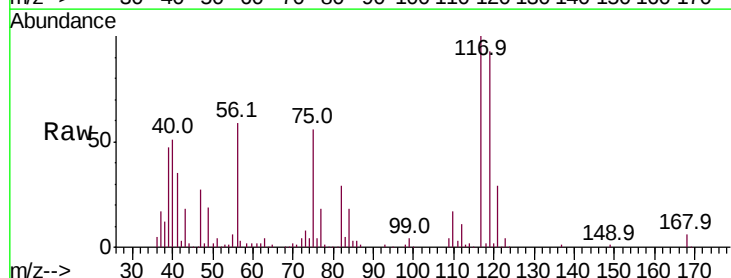
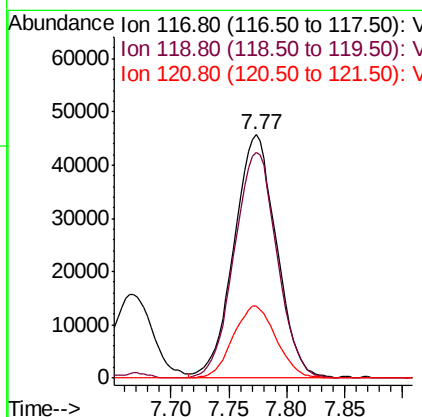
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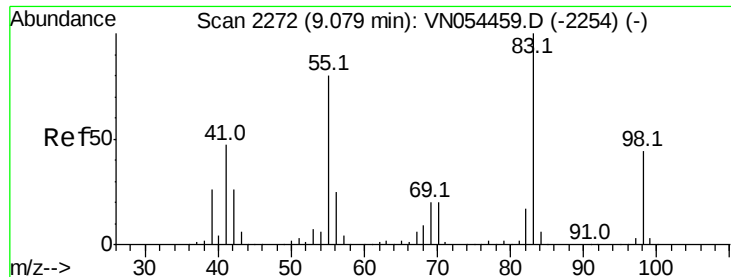
MMDadoda
3/28/2019 12:44:44 PM



#38
Carbon Tetrachloride
Concen: 18.518 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Tgt Ion	117	119	121
Ion Ratio	100	93.0	29.6
Resp: Lower		76.3	24.6
Upper		114.5	36.8





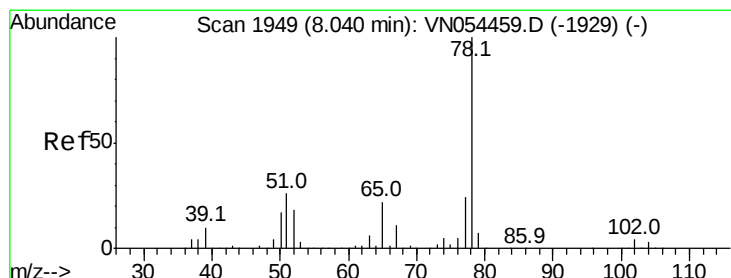
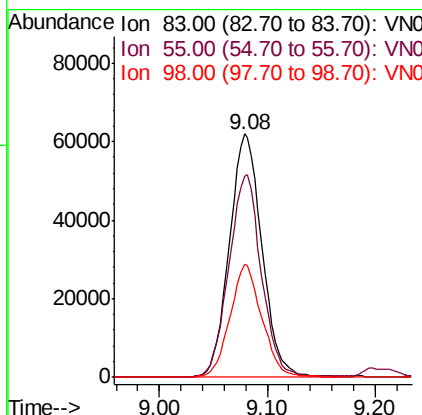
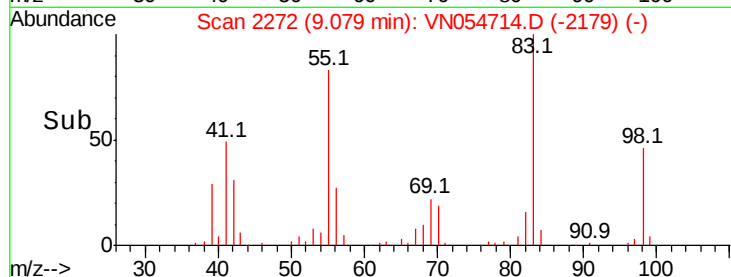
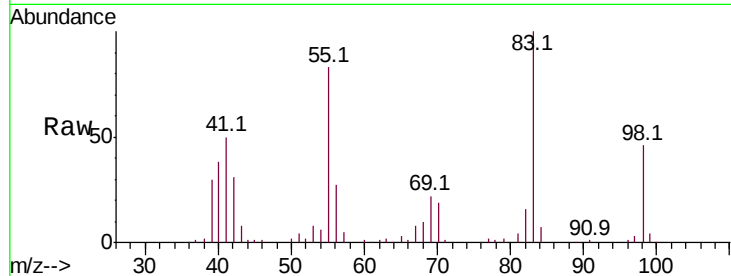
#39
Methvlcvclohexane
Concen: 17.738 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0327WBSD01

Tot Ion	83	Resp	130633
Ion Ratio	100	Lower	Upper
83	100		
55	82.5	56.6	84.8
98	46.3	38.4	57.6

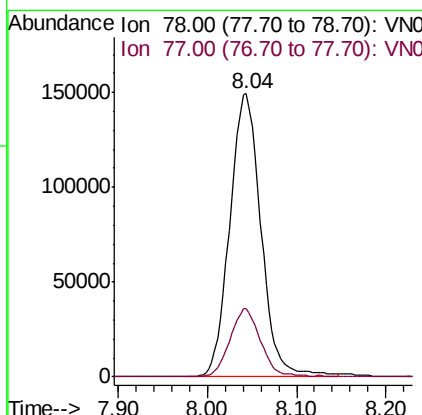
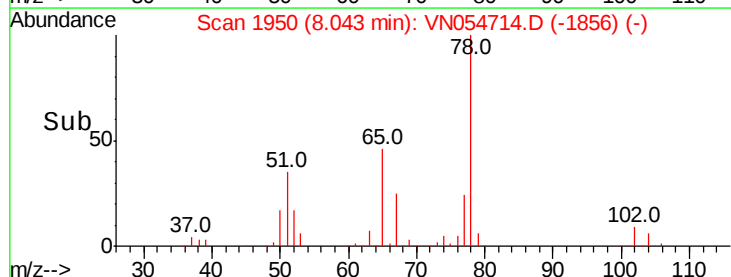
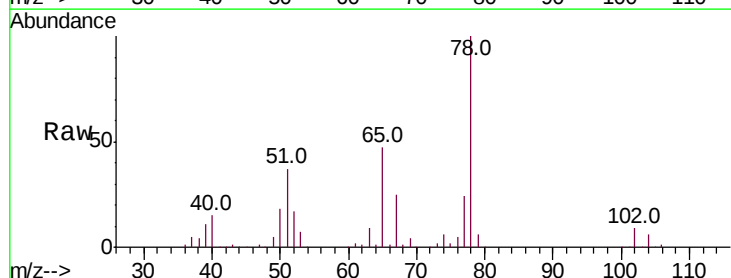
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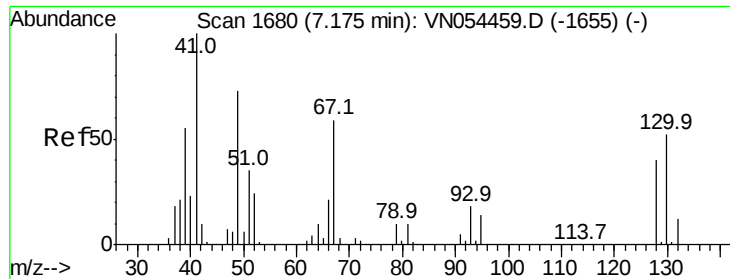
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#40
Benzene
Concen: 19.716 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Tgt Ion	78	Resp	362968
Ion Ratio	100	Lower	Upper
78	100		
77	24.3	19.1	28.7





#41

Methacrylonitrile

Concen: 19.333 ug/l m

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0327WBSD01

Tot Ion: 41 Resp: 53986

Ion Ratio Lower Upper

41 100

39 53.6 46.8 70.2

67 65.6 67.0 100.4#

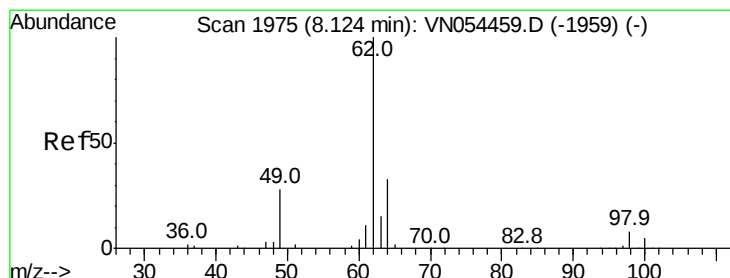
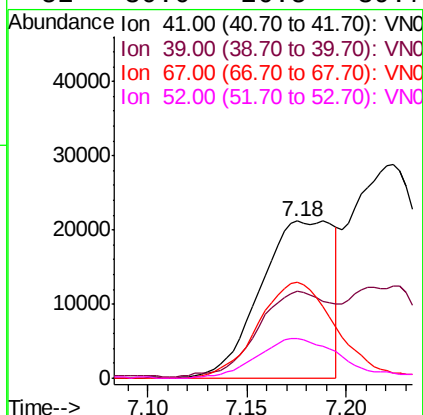
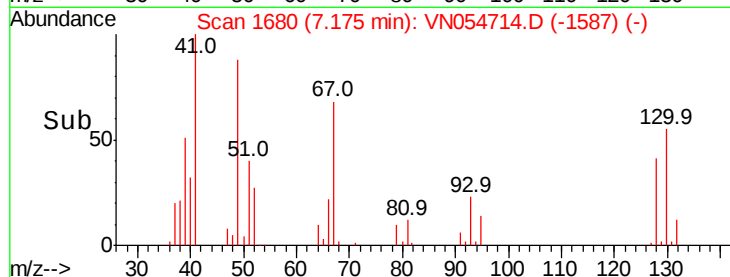
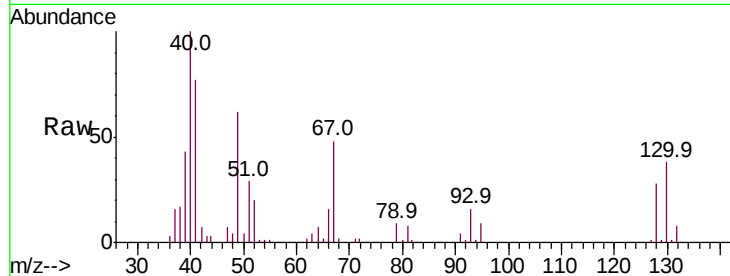
52 30.0 26.5 39.7

Manual Integrations

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3/28/2019 12:44:44 PM



#42

1,2-Dichloroethane

Concen: 19.533 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN054714.D

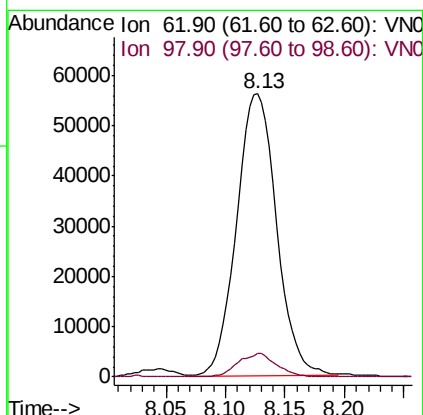
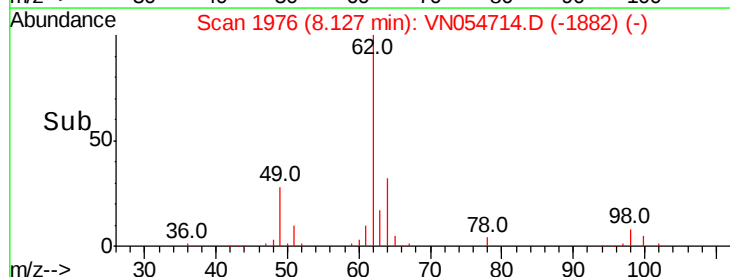
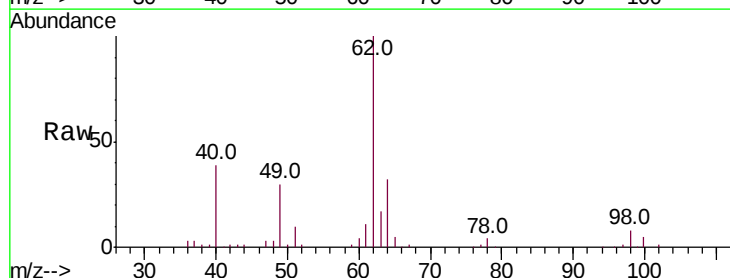
Acq: 27 Mar 2019 11:46

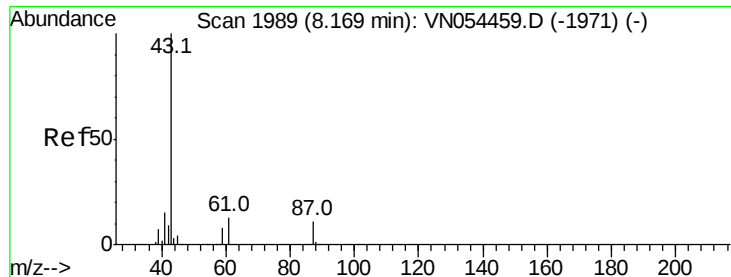
Tgt Ion: 62 Resp: 130957

Ion Ratio Lower Upper

62 100

98 8.0 0.0 18.4





#43

Isopropyl Acetate

Concen: 19.366 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

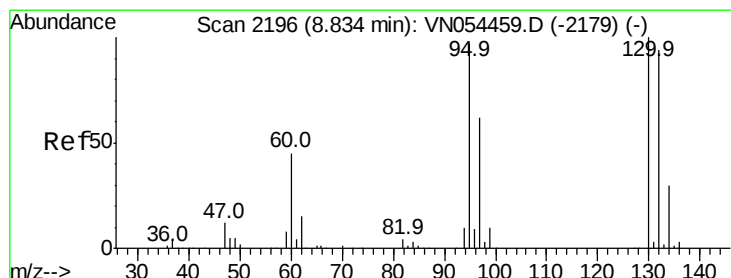
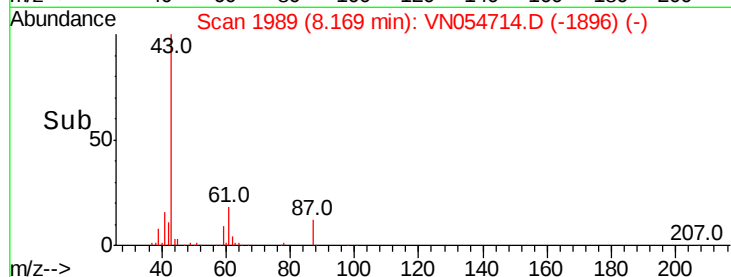
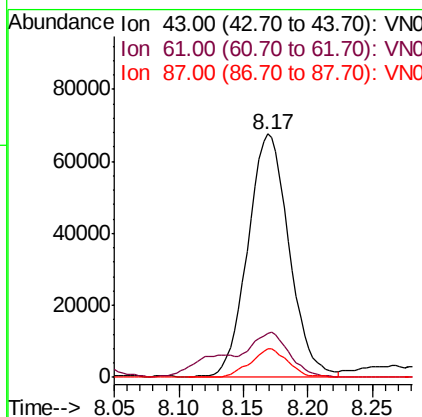
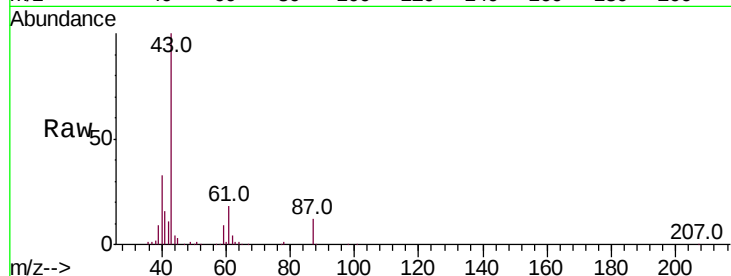
ClientSampleId :

VN0327WBSD01

Tot Ion:	43	Resp:	149758
Ion	Ratio	Lower	Upper
43	100		
61	17.3	15.8	23.8
87	10.9	12.0	18.0#

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#44

Trichloroethene

Concen: 18.347 ug/l

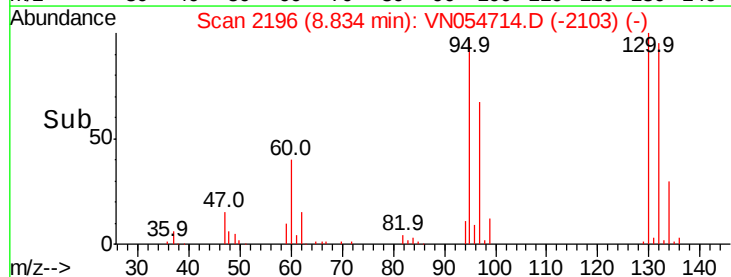
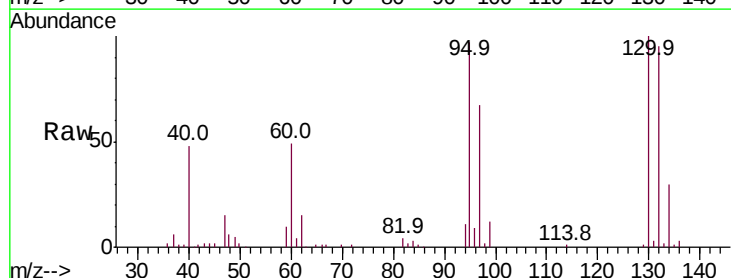
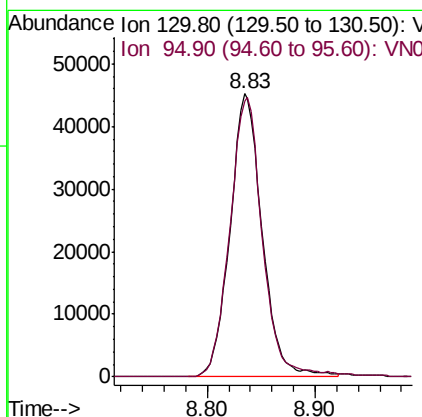
RT: 8.83 min Scan# 2196

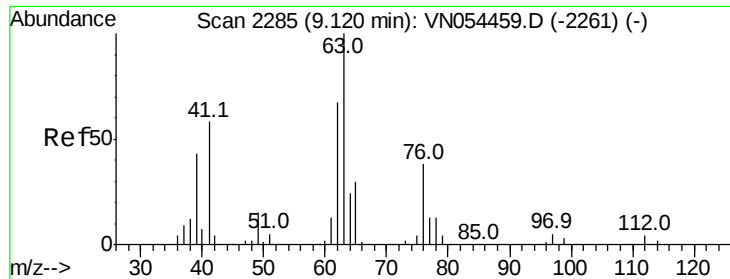
Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Tgt Ion:	130	Resp:	93904
Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	185.2





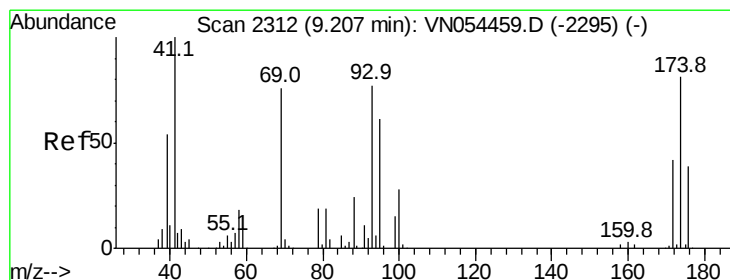
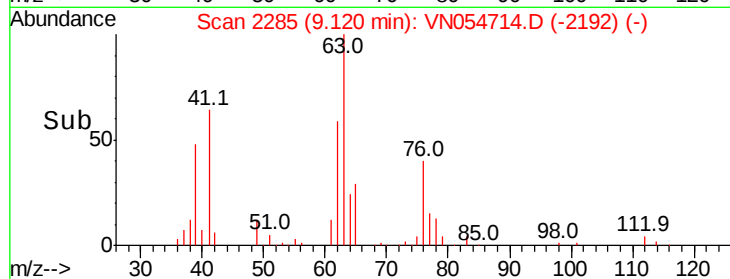
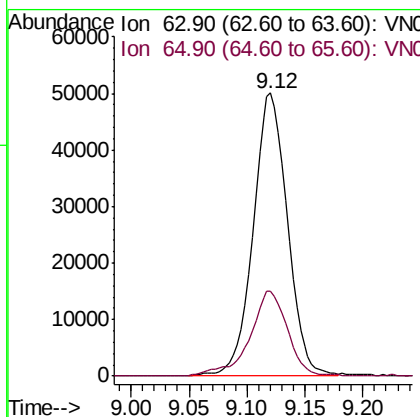
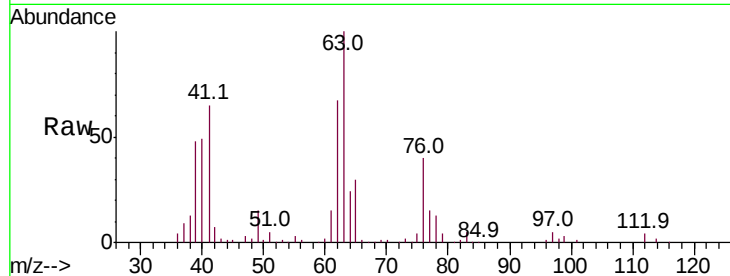
#45
 1,2-Dichloropropane
 Concen: 20.935 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054714.D
 Acq: 27 Mar 2019 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0327WBSD01

Tot Ion: 63 Resp: 103490
 Ion Ratio Lower Upper
 63 100
 65 29.5 25.0 37.6

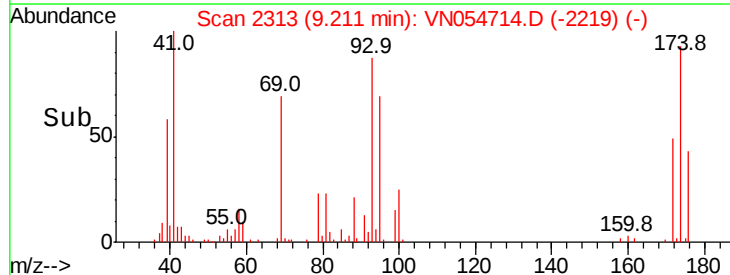
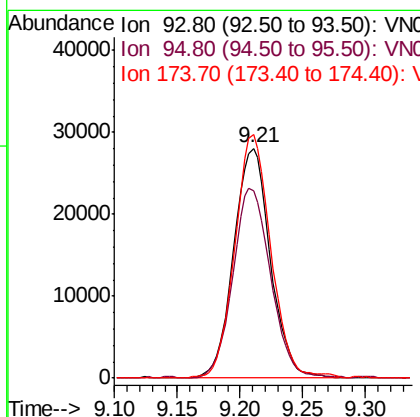
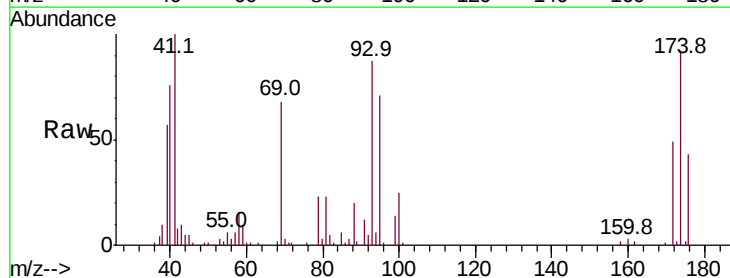
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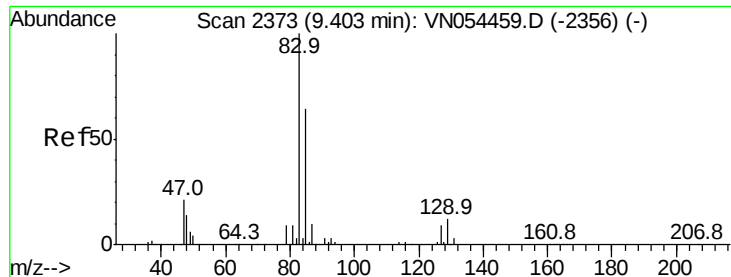
MMDadoda
 3/28/2019 12:44:44 PM



#46
 Dibromomethane
 Concen: 19.328 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054714.D
 Acq: 27 Mar 2019 11:46

Tgt Ion: 93 Resp: 57001
 Ion Ratio Lower Upper
 93 100
 95 85.2 66.7 100.1
 174 104.3 98.5 147.7





#47

Bromodichloromethane

Concen: 19.552 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

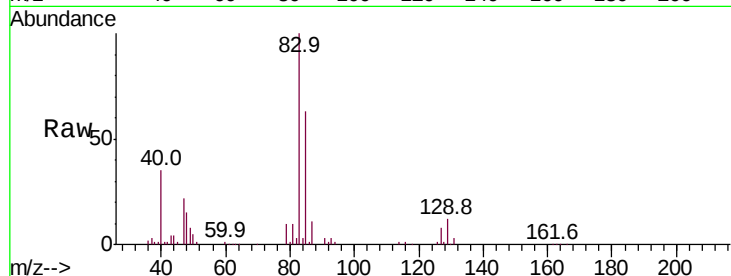
ClientSampleId :

VN0327WBSD01

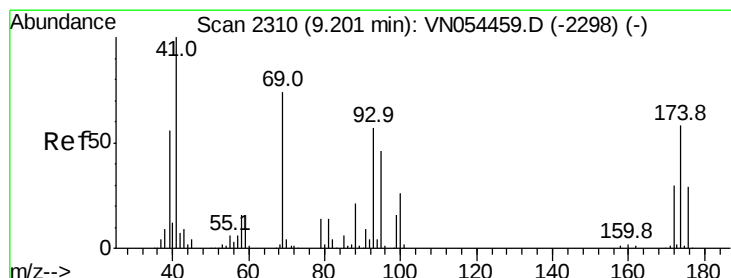
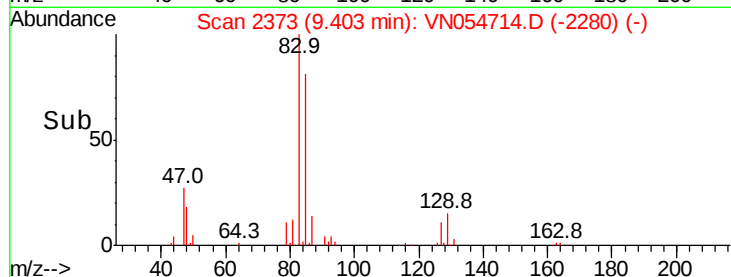
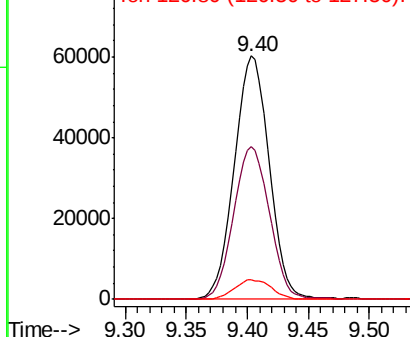
Tot Ion:	83	Resp:	119666
Ion Ratio	Lower	Upper	
83	100		
85	62.9	52.8	79.2
127	8.2	7.4	11.2

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 18.517 ug/l

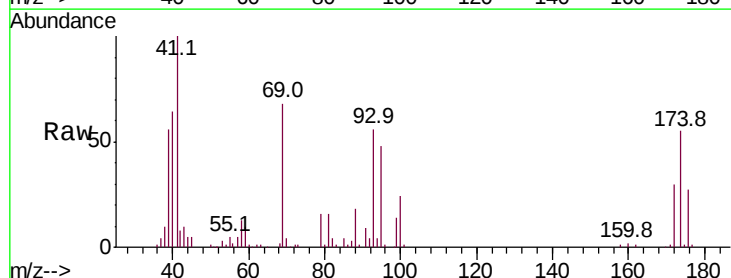
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

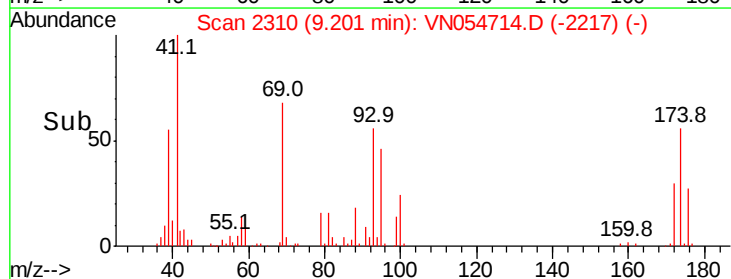
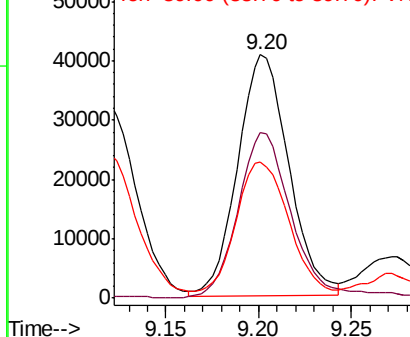
Lab File: VN054714.D

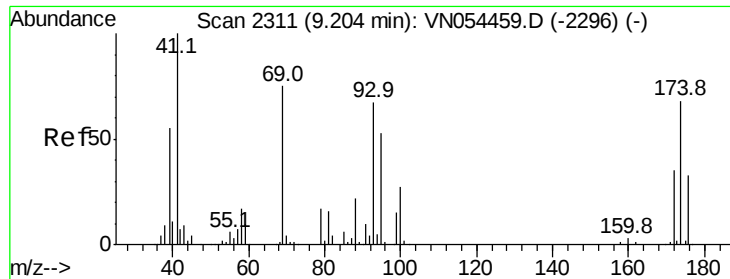
Acq: 27 Mar 2019 11:46

Tgt Ion:	41	Resp:	77721
Ion Ratio	Lower	Upper	
41	100		
69	73.3	72.6	108.8
39	58.1	47.5	71.3



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





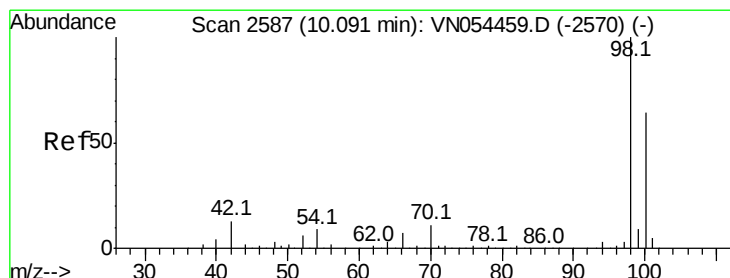
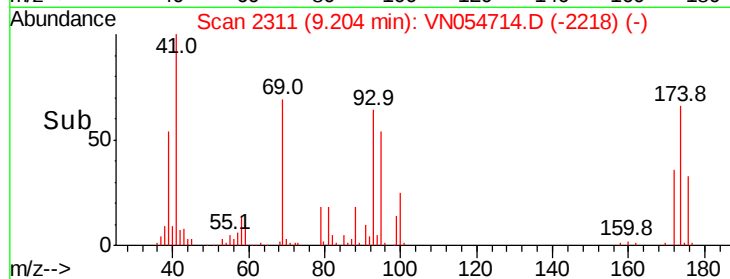
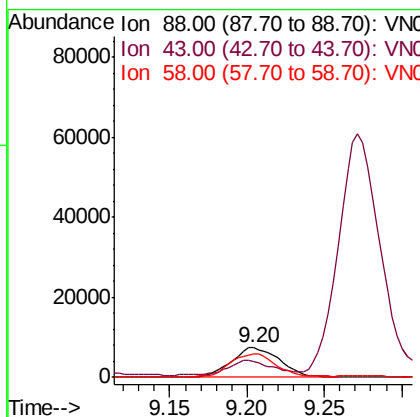
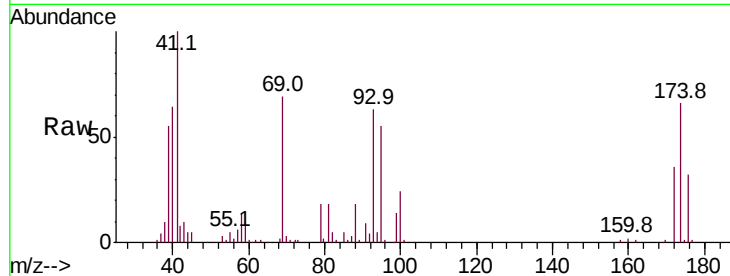
#49
1,4-Dioxane
Concen: 344.499 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0327WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	46.8	24.1	36.1#
58	77.6	50.8	76.2#

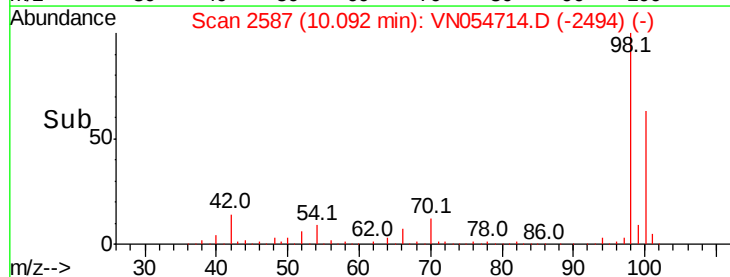
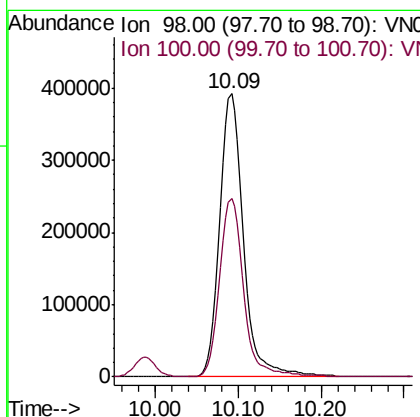
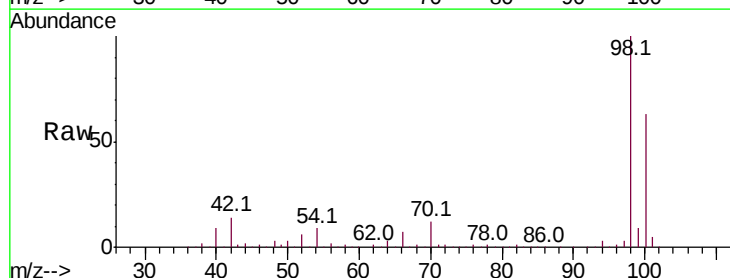
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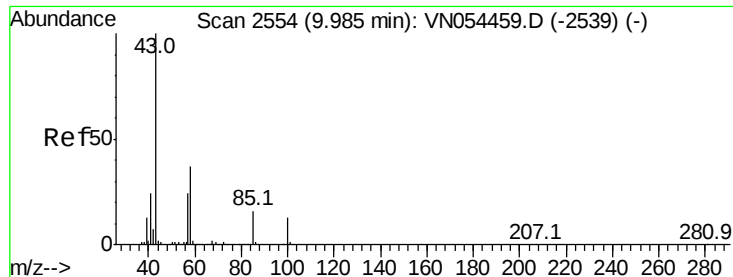
MMDadoda
3/28/2019 12:44:44 PM



#50
Toluene-d8
Concen: 46.725 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 98.766 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

ClientSampled :

VN0327WBSD01

Tot Ion: 43 Resp: 423286

Ion Ratio Lower Upper

43 100

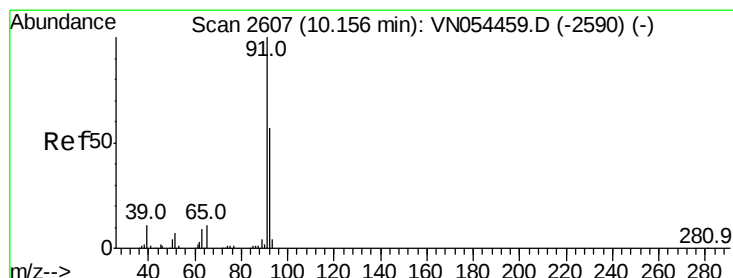
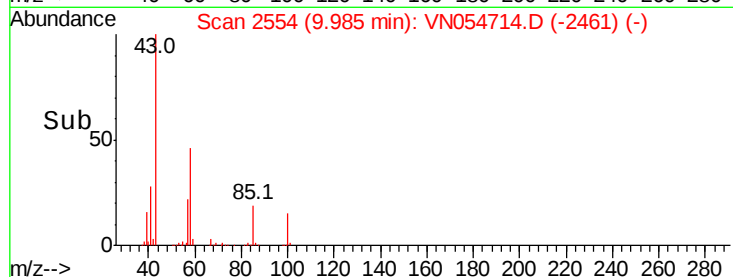
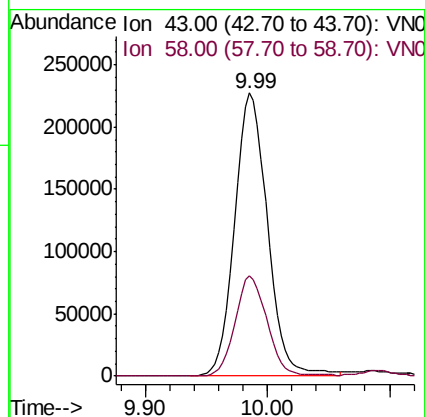
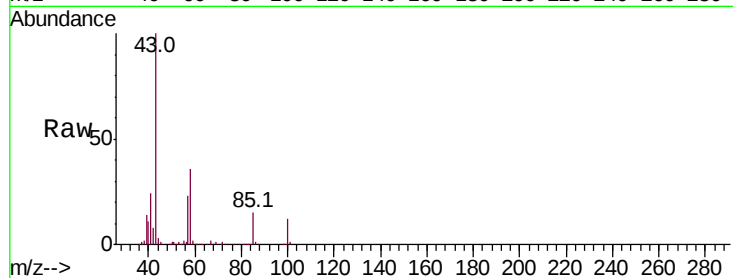
58 34.8 31.8 47.6

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#52

Toluene

Concen: 20.860 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054714.D

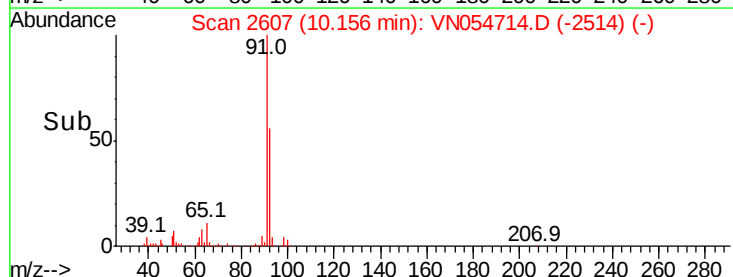
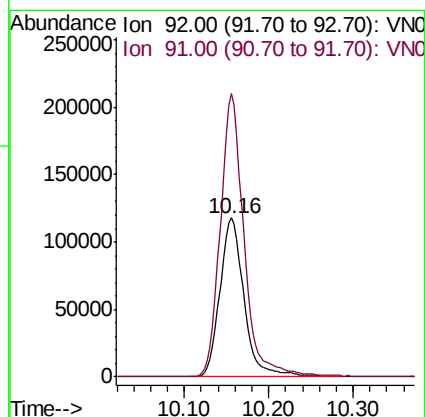
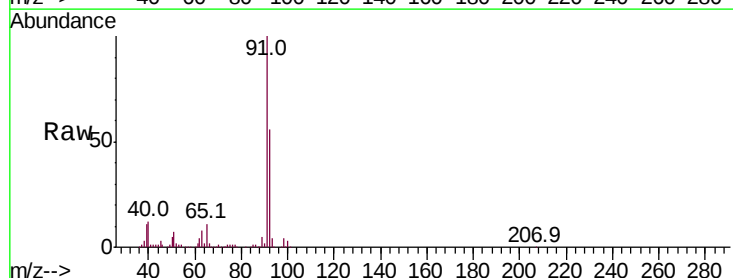
Acq: 27 Mar 2019 11:46

Tgt Ion: 92 Resp: 236200

Ion Ratio Lower Upper

92 100

91 174.5 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 18.248 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054714.D

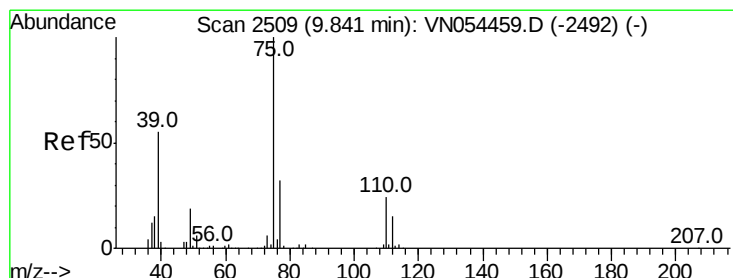
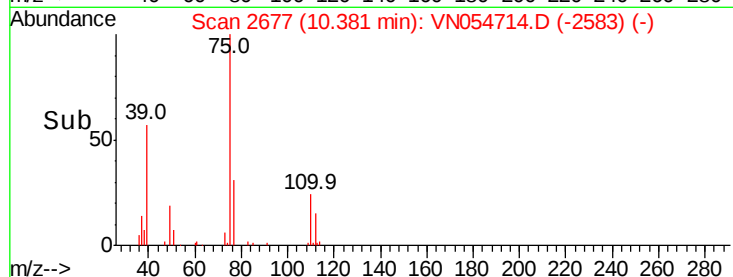
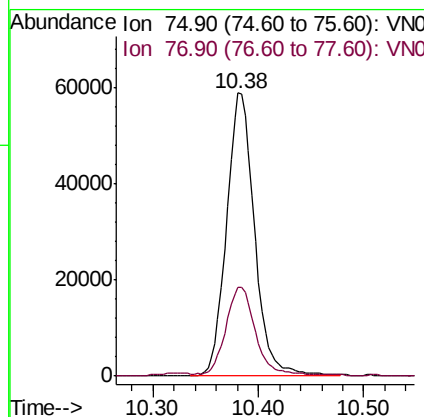
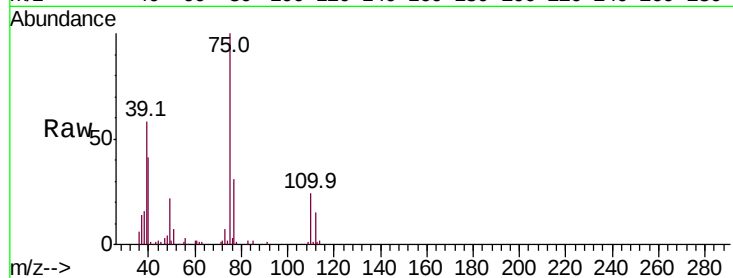
Acq: 27 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0327WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.8	38.8

Manual Integrations
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MMDadoda
3/28/2019 12:44:44 PM



#54

cis-1,3-Dichloropropene

Concen: 19.793 ug/l

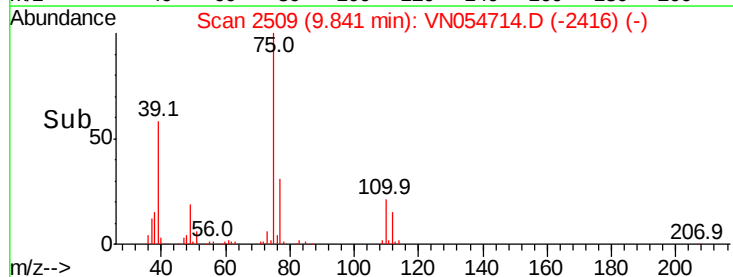
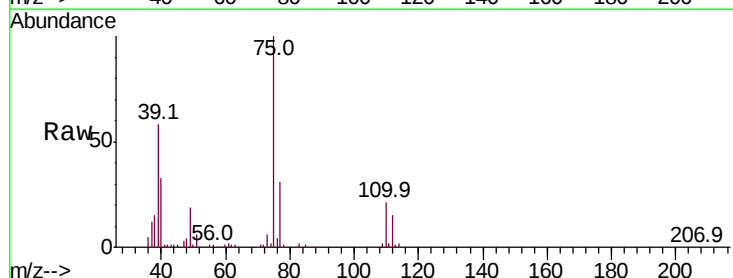
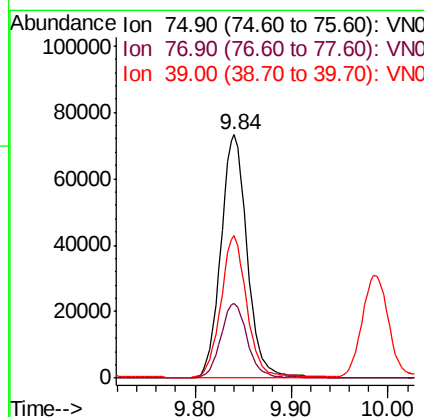
RT: 9.84 min Scan# 2509

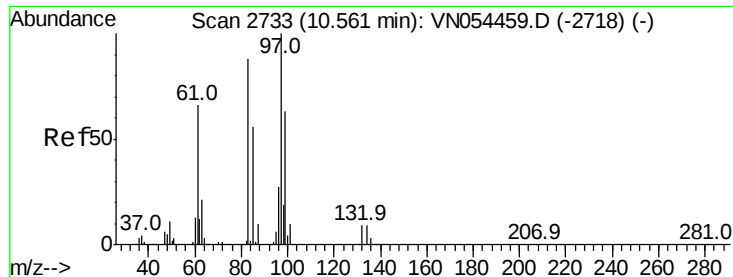
Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.4	38.0
39	58.0	37.2	55.8#





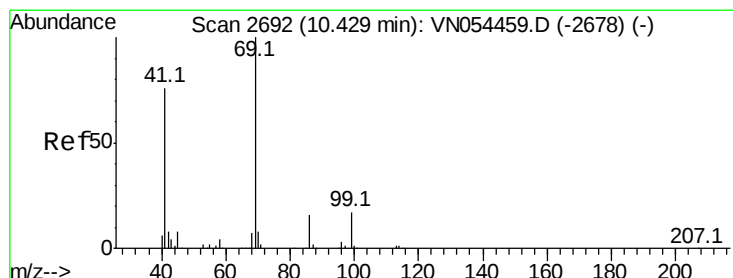
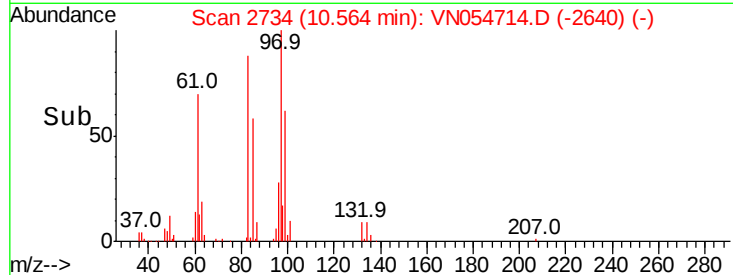
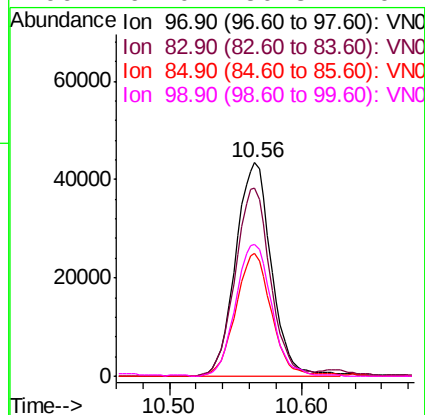
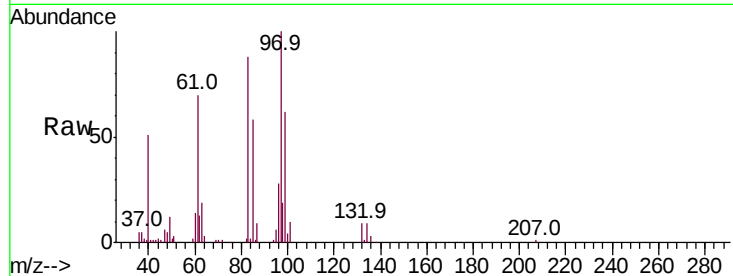
#55
 1,1,2-Trichloroethane
 Concen: 20.008 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054714.D
 Acq: 27 Mar 2019 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0327WBSD01

Tot Ion:	97	Resp:	81436
Ion	Ratio	Lower	Upper
97	100		
83	87.9	66.6	100.0
85	57.6	44.4	66.6
99	62.0	50.8	76.2

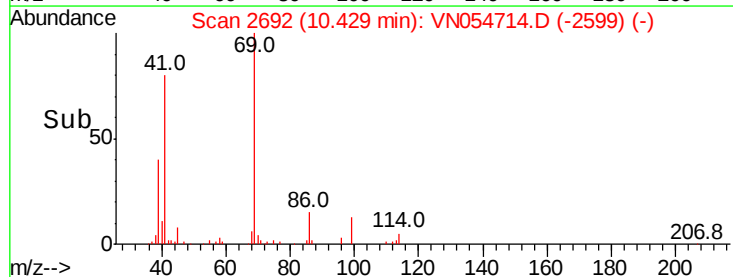
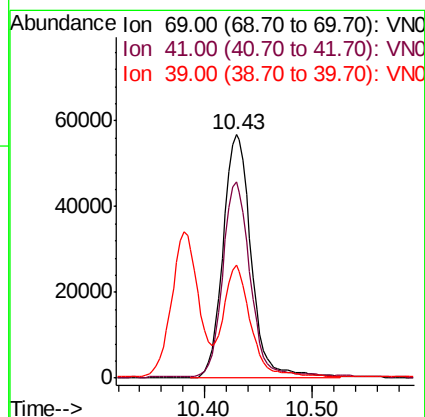
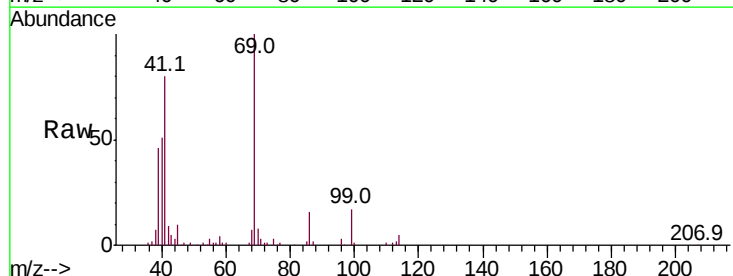
Manual Integrations
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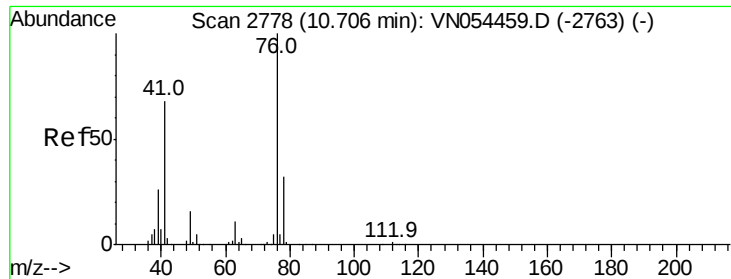
MMDadoda
 3/28/2019 12:44:44 PM



#56
 Ethyl methacrylate
 Concen: 18.981 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054714.D
 Acq: 27 Mar 2019 11:46

Tgt Ion:	69	Resp:	103692
Ion	Ratio	Lower	Upper
69	100		
41	77.7	49.4	74.2#
39	42.9	28.3	42.5#





#57

1,3-Dichloropropane

Concen: 20.175 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0327WBSD01

Tot Ion: 76 Resp: 142743

Ion Ratio Lower Upper

76 100

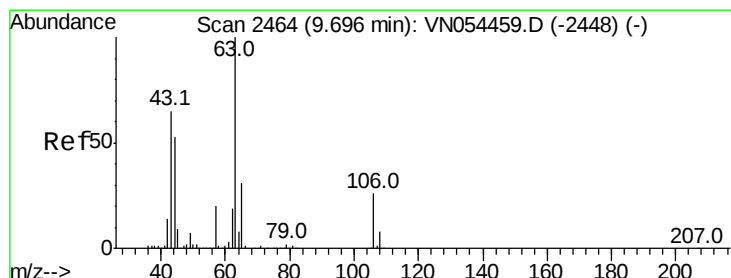
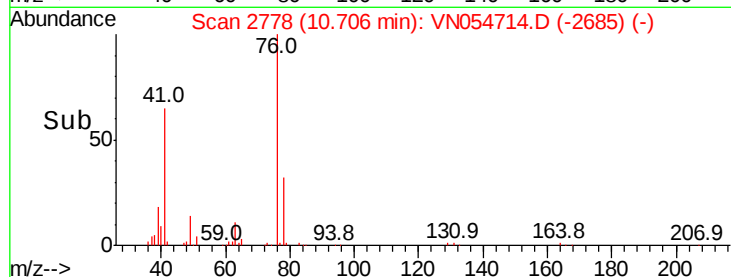
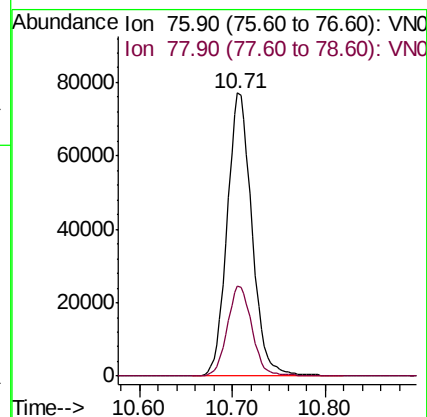
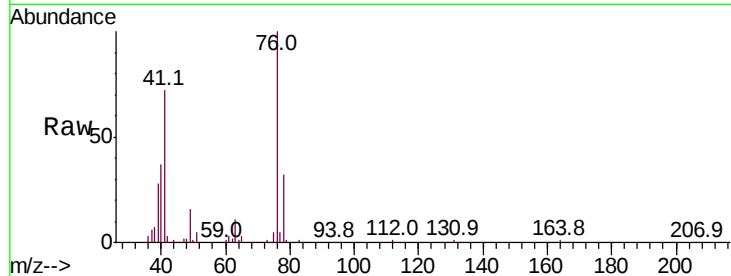
78 32.0 25.7 38.5

Manual Integrations

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MMDadoda

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#58

2-Chloroethyl Vinyl ether

Concen: 81.163 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054714.D

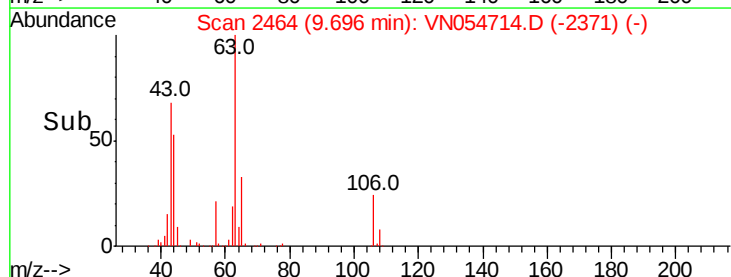
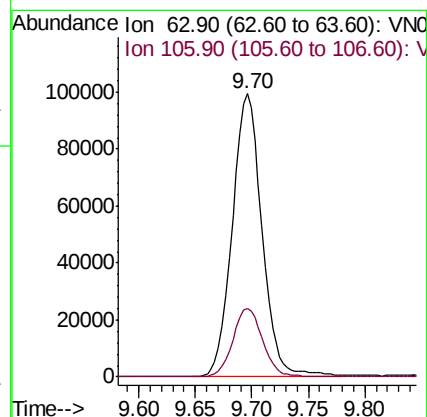
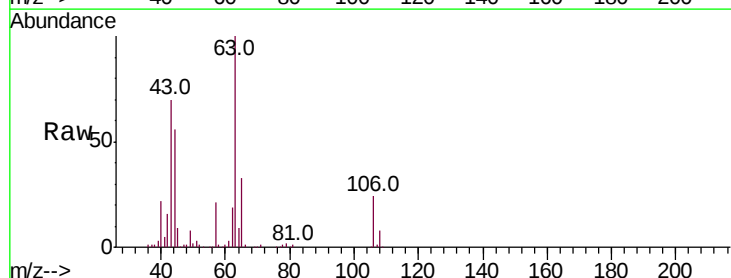
Acq: 27 Mar 2019 11:46

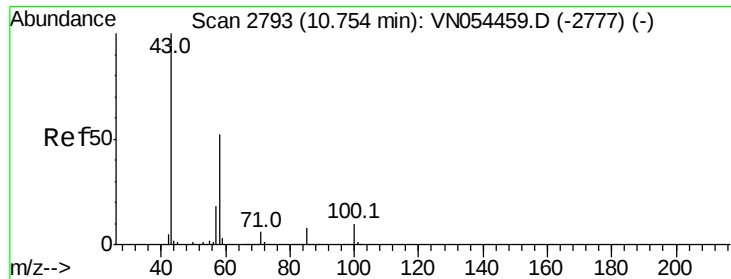
Tgt Ion: 63 Resp: 182580

Ion Ratio Lower Upper

63 100

106 24.3 24.4 36.6#





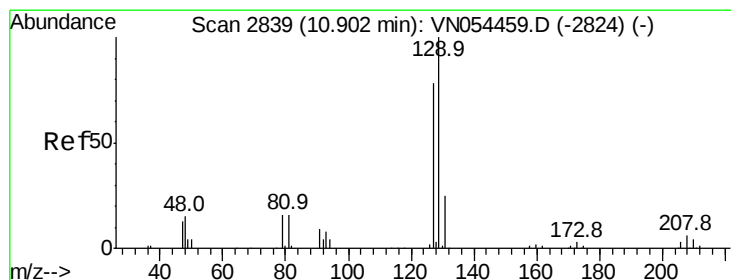
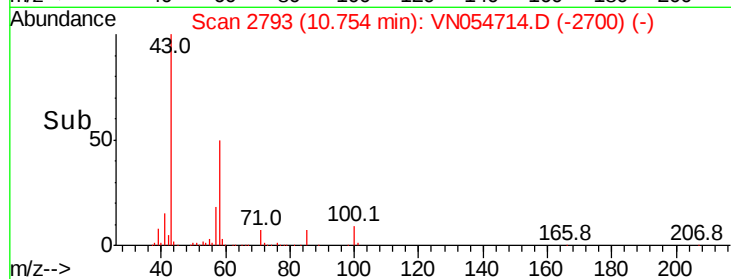
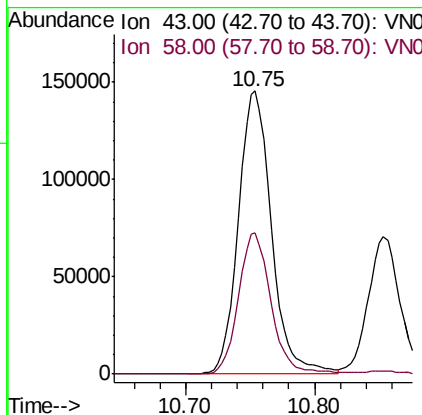
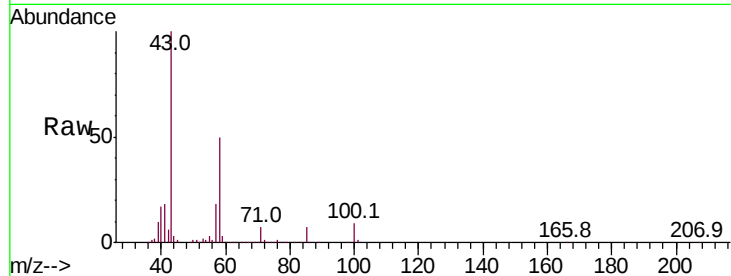
#59
2-Hexanone
Concen: 92.290 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0327WBSD01

Tot Ion: 43 Resp: 258357
Ion Ratio Lower Upper
43 100
58 49.6 28.0 83.9

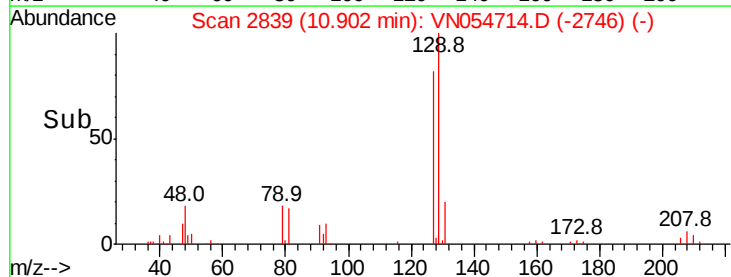
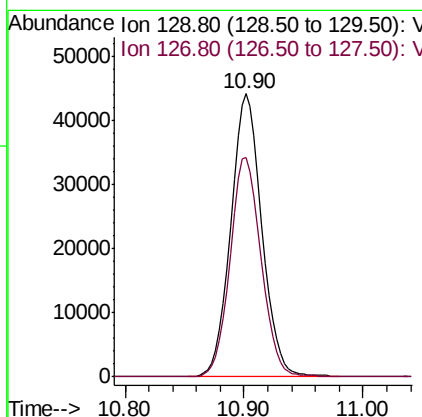
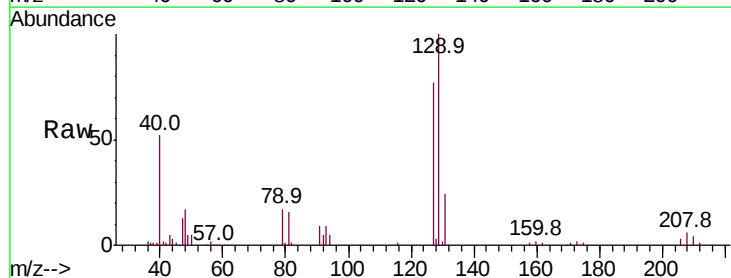
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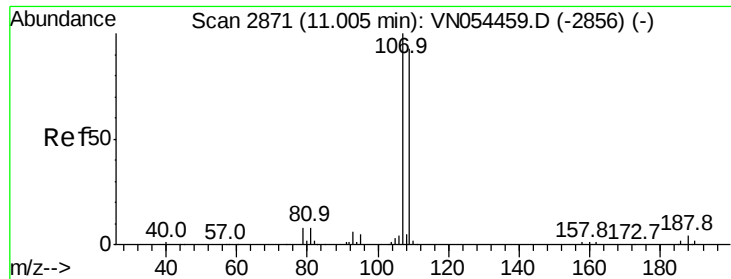
MMDadoda
3/28/2019 12:44:44 PM



#60
Dibromochloromethane
Concen: 18.420 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Tgt Ion: 129 Resp: 79779
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.8





#61

1,2-Dibromoethane

Concen: 18.977 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0327WBSD01

Tot Ion:107 Resp: 76361

Ion Ratio Lower Upper

107 100

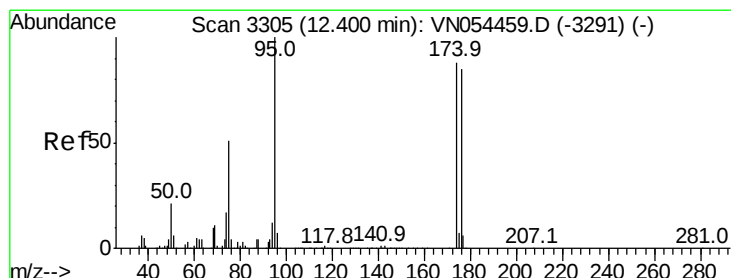
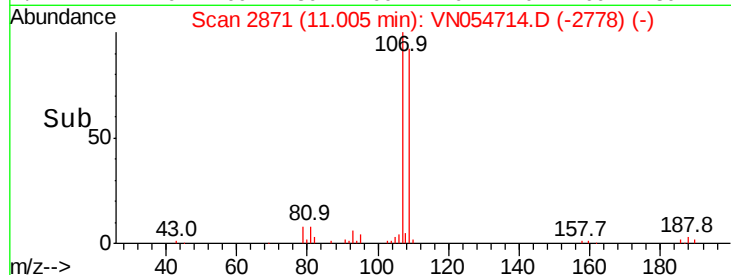
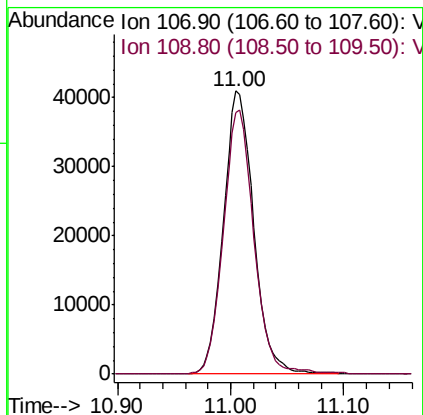
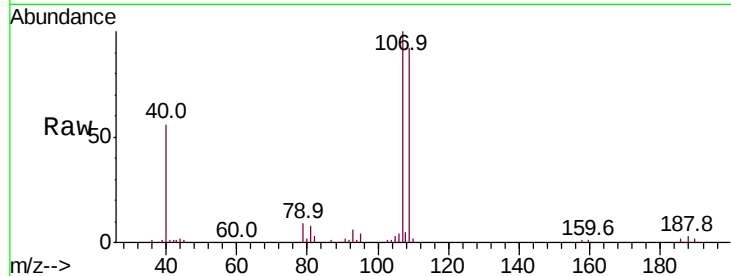
109 93.8 75.9 113.9

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 45.584 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

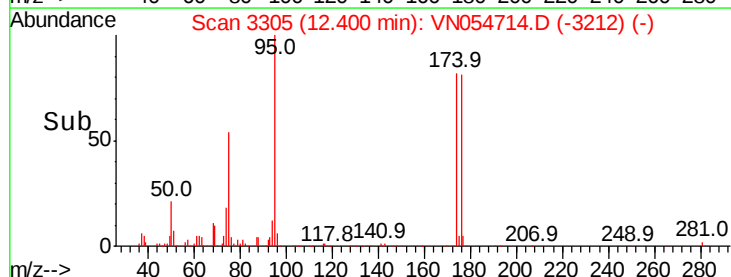
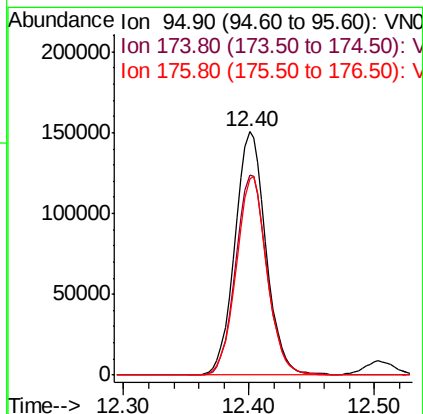
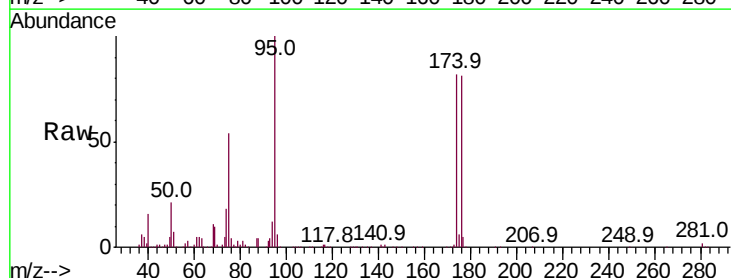
Tgt Ion: 95 Resp: 258677

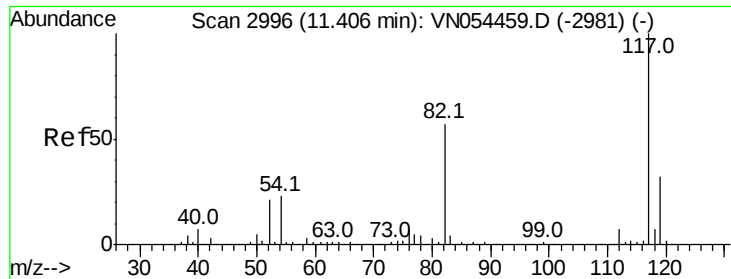
Ion Ratio Lower Upper

95 100

174 82.9 0.0 191.0

176 80.4 0.0 187.4





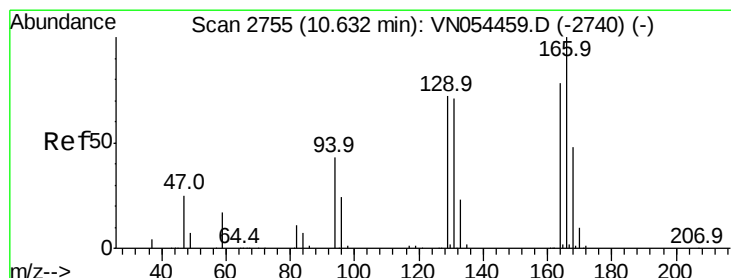
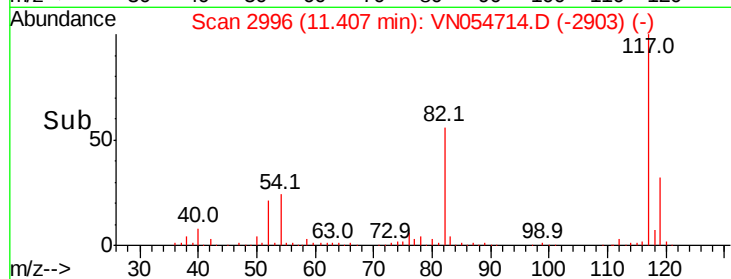
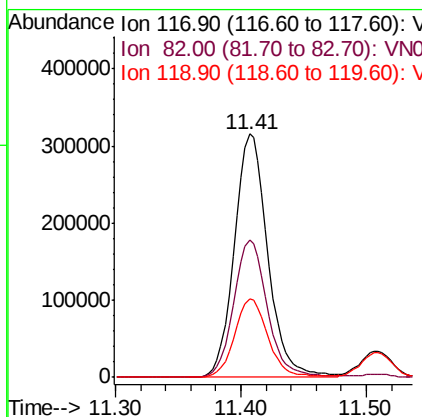
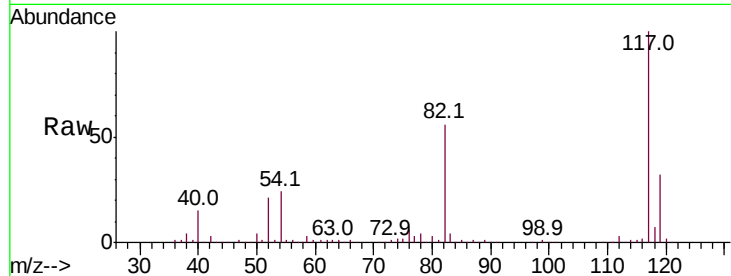
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0327WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.4	40.0	60.0
119	32.2	25.8	38.6

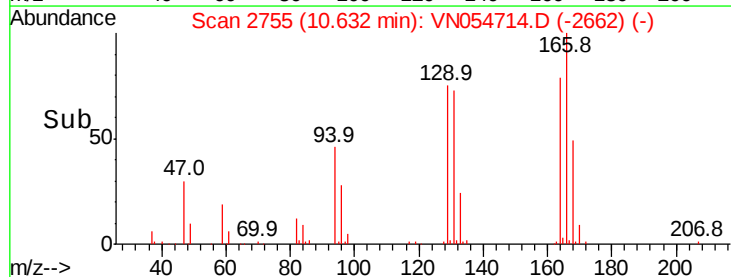
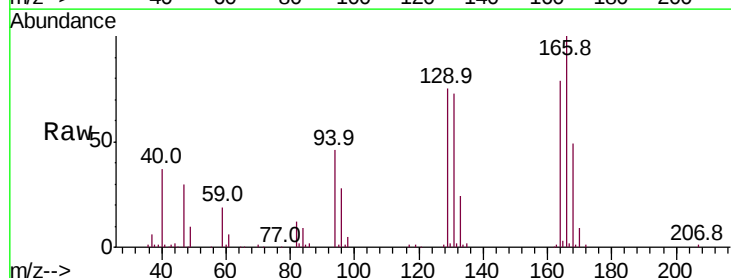
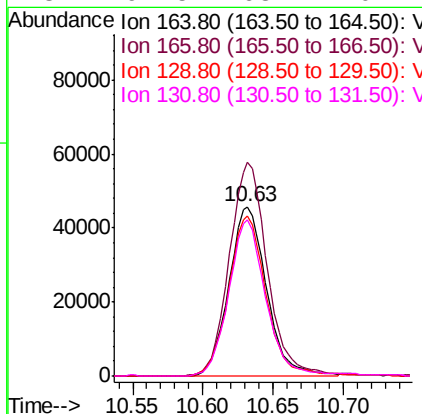
Manual Integrations
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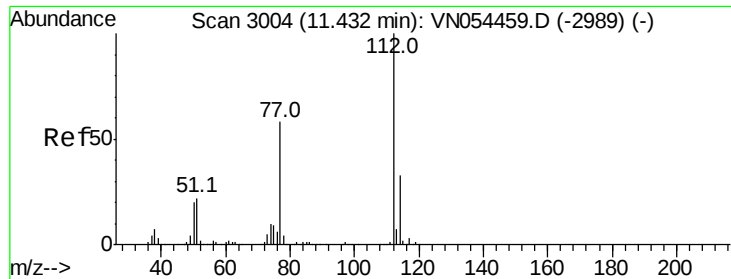
MMDadoda
3/28/2019 12:44:44 PM



#64
Tetrachloroethene
Concen: 17.596 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	103.9	155.9
129	94.3	71.1	106.7
131	92.5	68.2	102.4





#65

Chlorobenzene

Concen: 19.351 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0327WBSD01

Tot Ion:112 Resp: 230316

Ion Ratio Lower Upper

112 100

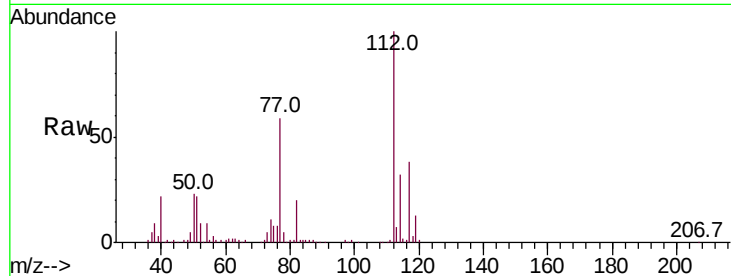
114 31.9 25.9 38.9

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

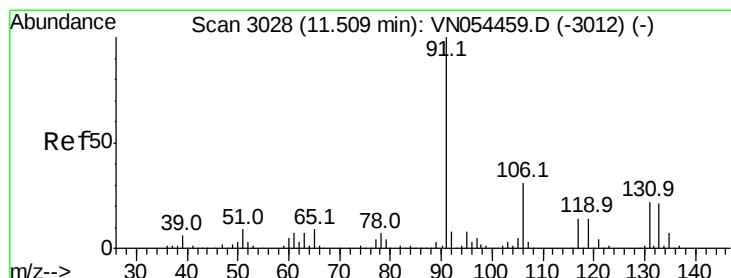
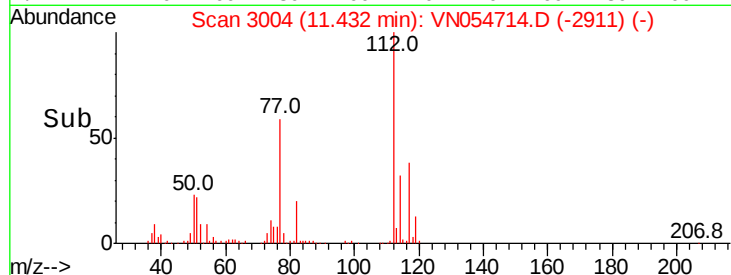
11.43

100000

50000

0

Time--> 11.30 11.40 11.50 11.60



#66

1,1,1,2-Tetrachloroethane

Concen: 19.802 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

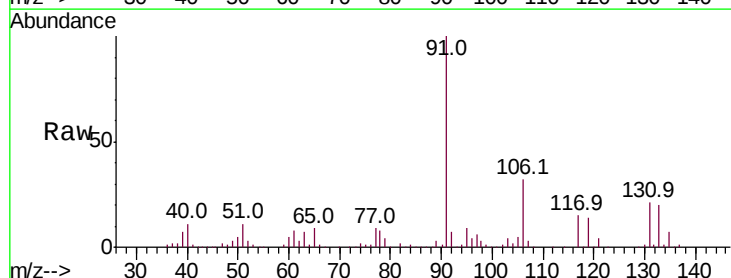
Tgt Ion:131 Resp: 84594

Ion Ratio Lower Upper

131 100

133 96.8 47.6 142.9

119 67.3 32.4 97.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

120000

100000

80000

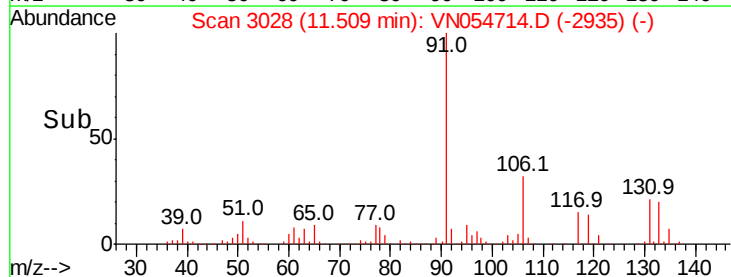
60000

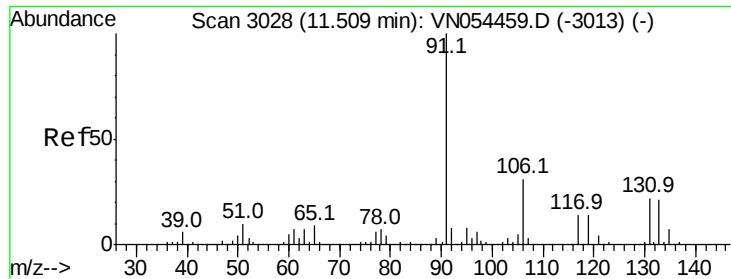
40000

20000

0

Time--> 11.45 11.50 11.55





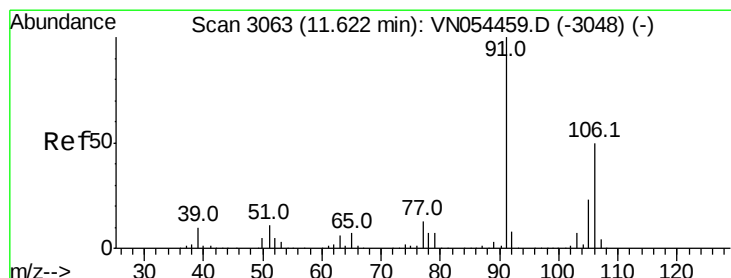
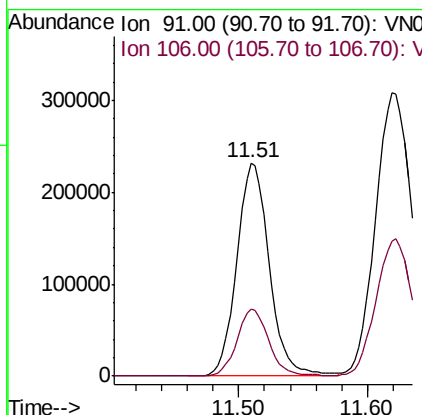
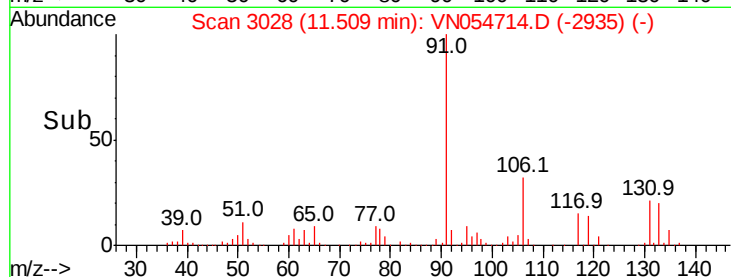
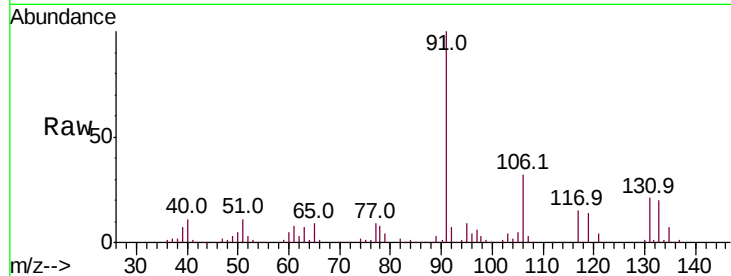
#67
Ethyl Benzene
Concen: 19.303 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampled :
VN0327WBSD01

Tot Ion: 91 Resp: 405843
Ion Ratio Lower Upper
91 100
106 31.6 25.5 38.3

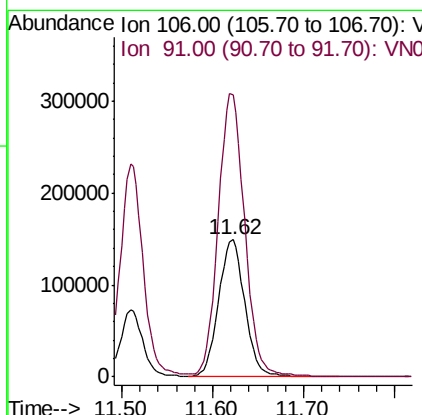
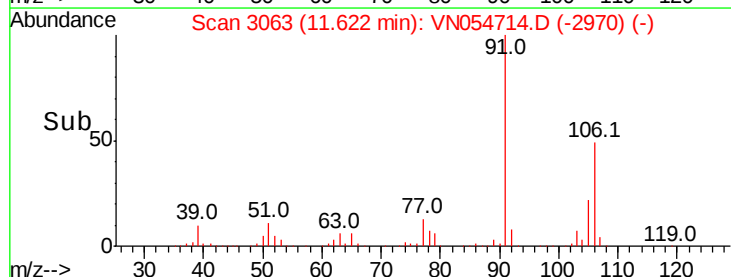
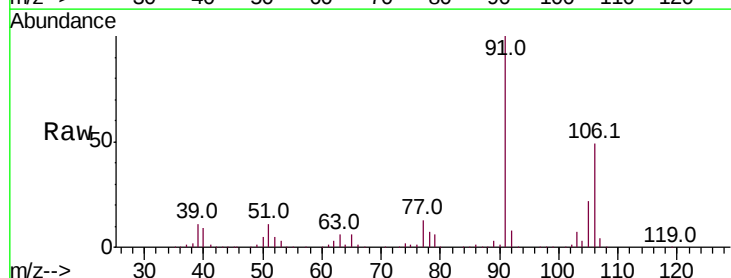
Manual Integrations
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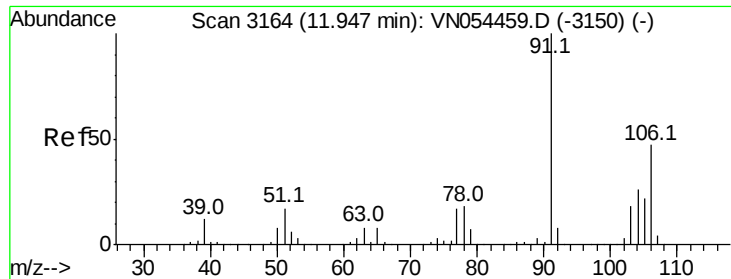
MMDadoda
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#68
m/p-Xylenes
Concen: 37.758 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Tgt Ion: 106 Resp: 300684
Ion Ratio Lower Upper
106 100
91 207.2 159.4 239.2





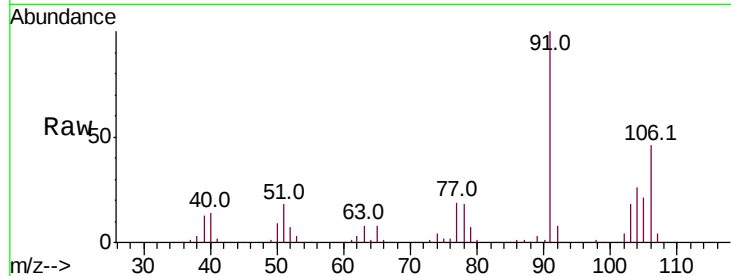
#69
o-Xylene
Concen: 18.729 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0327WBSD01

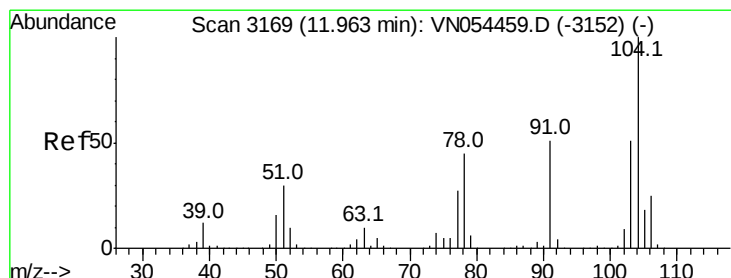
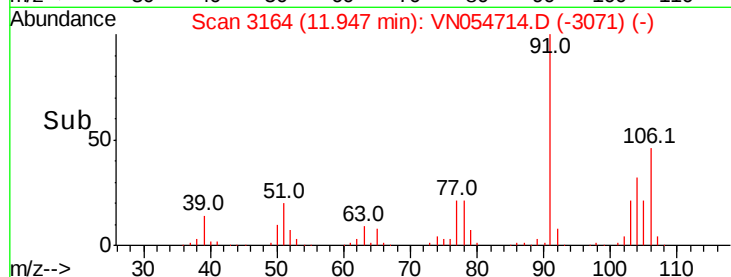
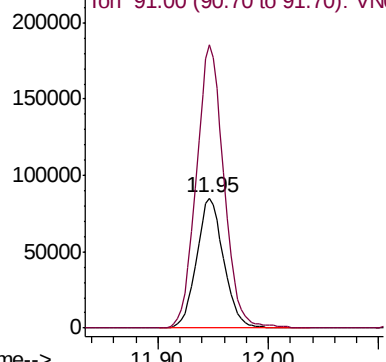
Tot Ion:106 Resp: 145656
Ion Ratio Lower Upper
106 100
91 219.9 105.7 317.1

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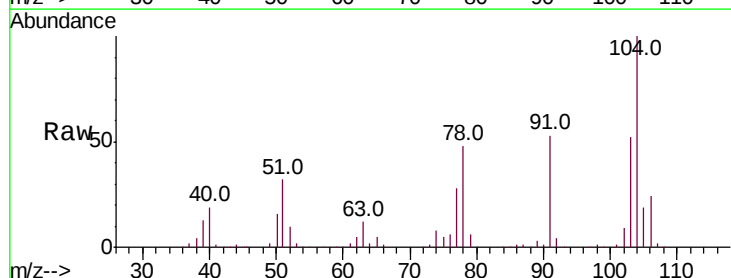


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

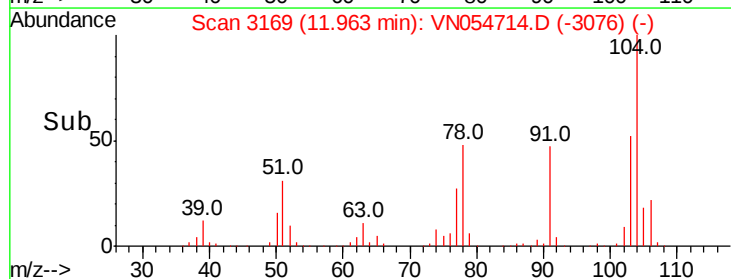
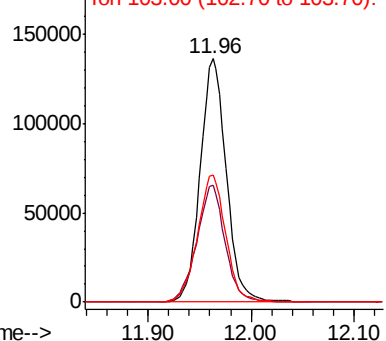


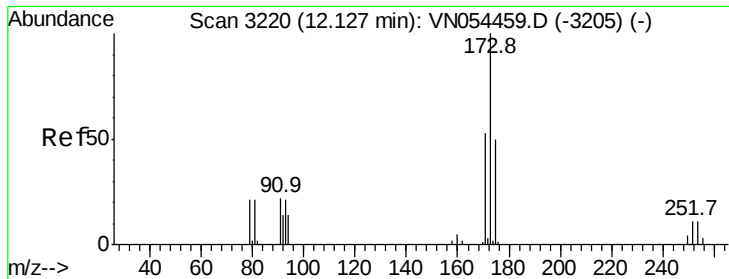
#70
Styrene
Concen: 19.080 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Tgt Ion:104 Resp: 240975
Ion Ratio Lower Upper
104 100
78 51.8 38.2 57.2
103 56.4 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





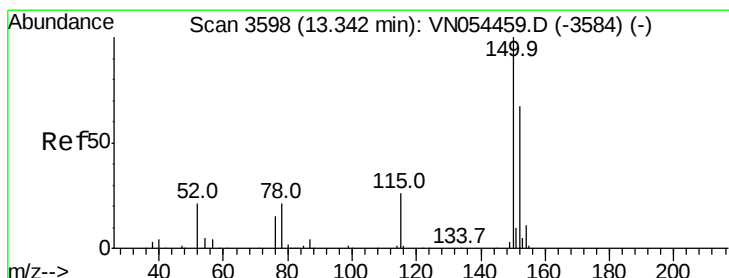
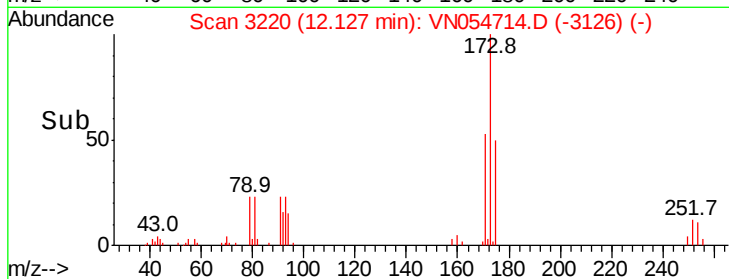
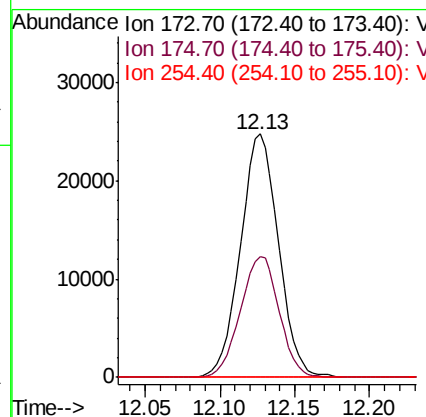
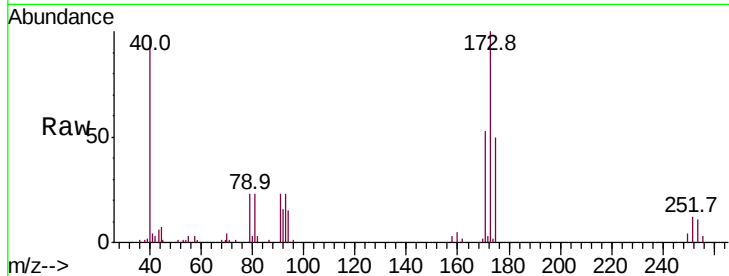
#71
Bromoform
Concen: 16.417 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0327WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.5	24.4	73.2
254	0.0	0.1	0.1#

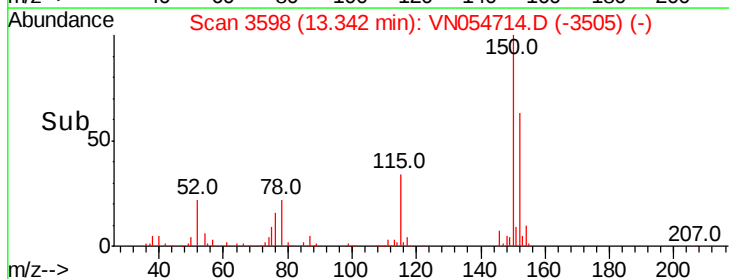
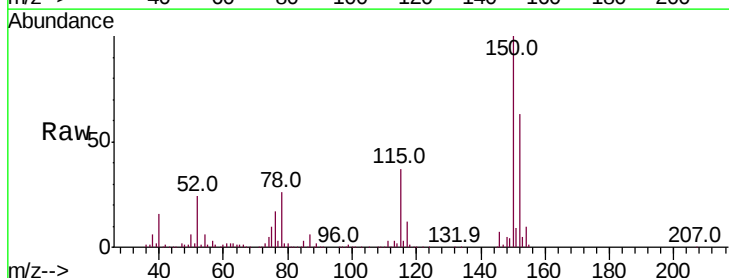
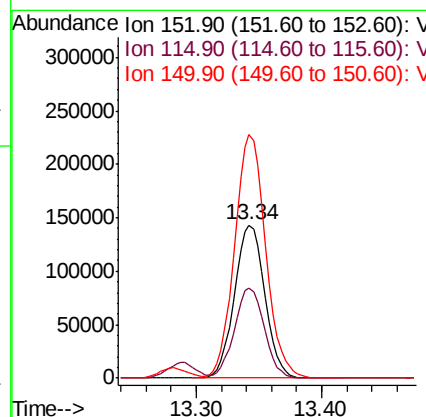
Manual Integrations
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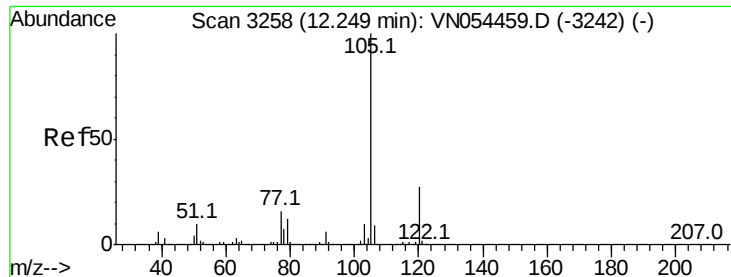
MMDadoda
3/28/2019 12:44:44 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	27.2	81.6
150	163.2	0.0	349.2





#73

Isopropylbenzene

Concen: 20.308 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0327WBSD01

Tot Ion:105 Resp: 392486

Ion Ratio Lower Upper

105 100

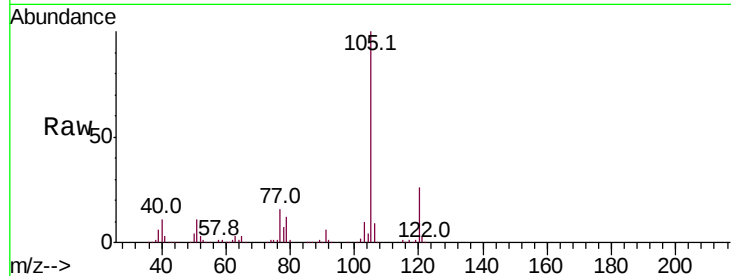
120 26.4 13.8 41.3

Manual Integrations

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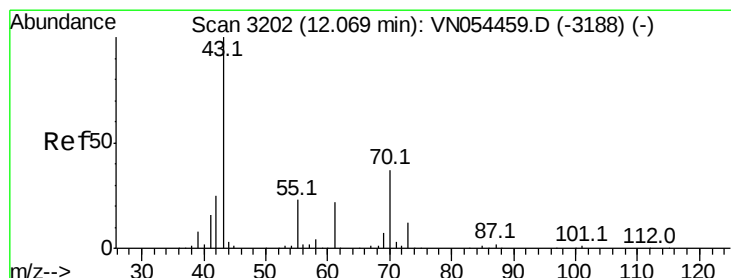
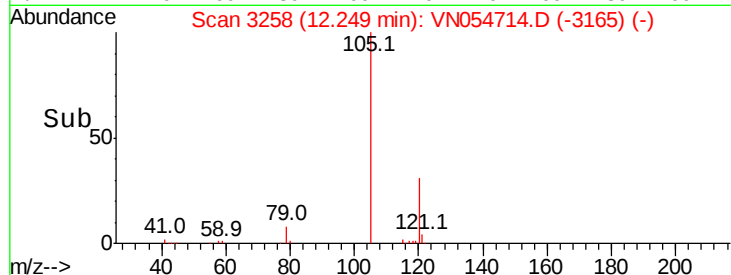
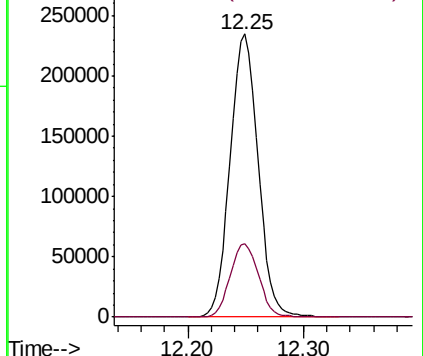
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.380 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Tgt Ion: 43 Resp: 118814

Ion Ratio Lower Upper

43 100

70 35.8 35.4 53.0

55 23.3 19.8 29.6

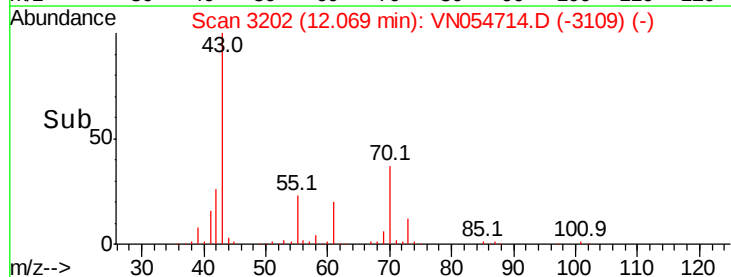
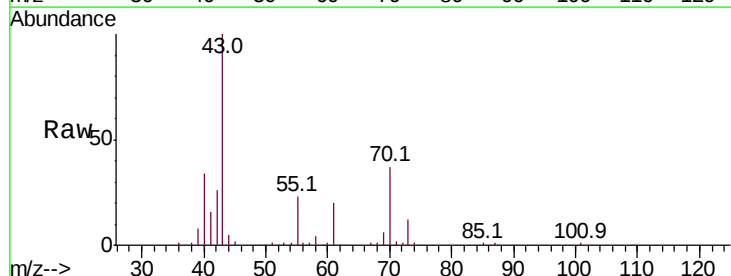
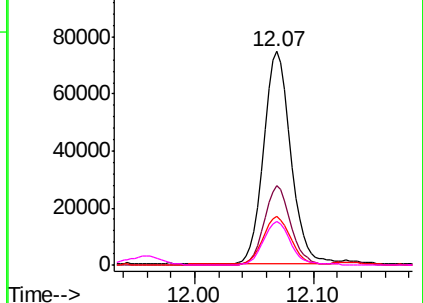
61 20.7 19.8 29.6

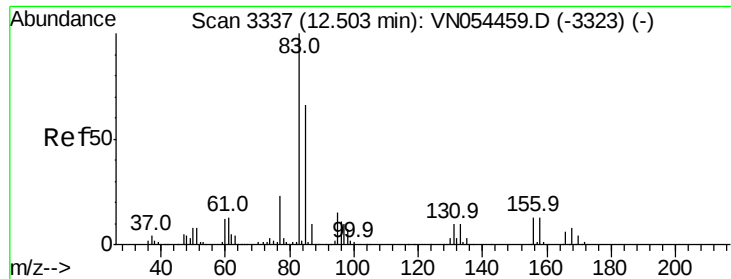
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.834 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

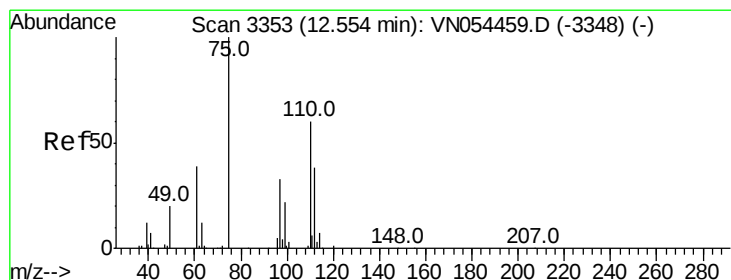
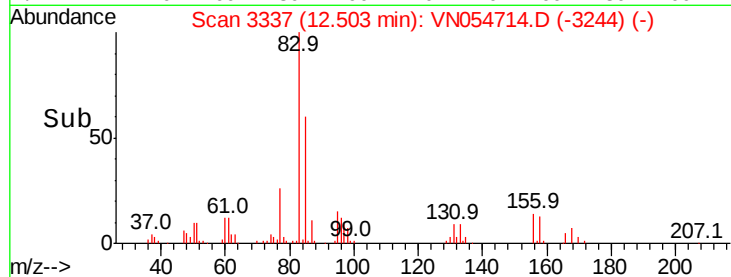
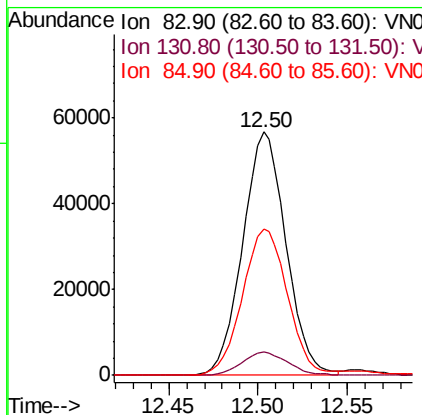
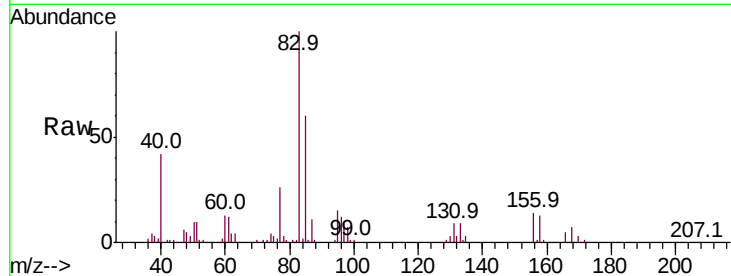
ClientSampleId :

VN0327WBSD01

Tot Ion	83	Resp	Lower	Upper
83	100			
131	10.4	5.8	17.4	
85	63.0	32.2	96.6	

Manual Integrations
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3/28/2019 12:44:44 PM



#76

1,2,3-Trichloropropane

Concen: 20.548 ug/l m

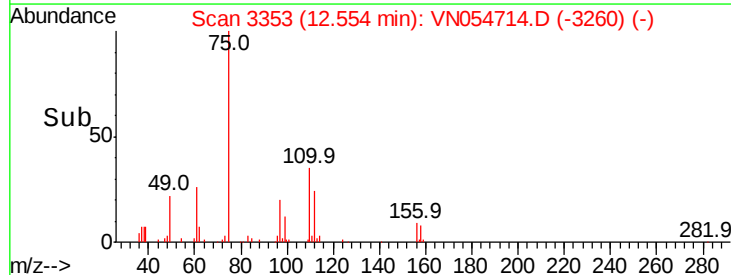
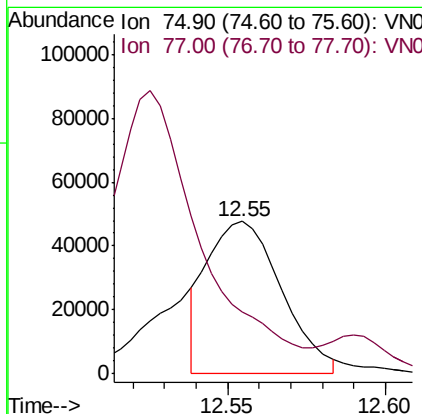
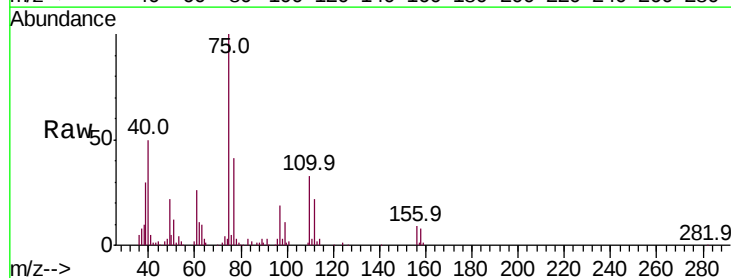
RT: 12.55 min Scan# 3353

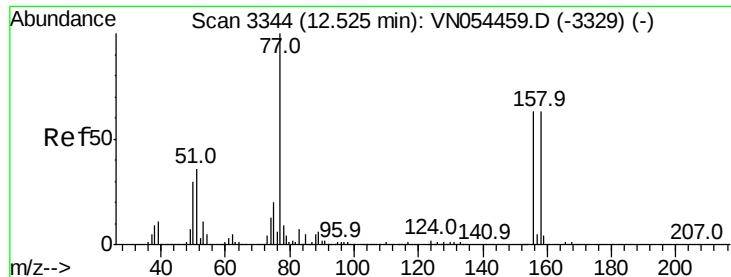
Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Tgt Ion	75	Resp	Lower	Upper
75	100			
77	0.0	0.0	0.0	





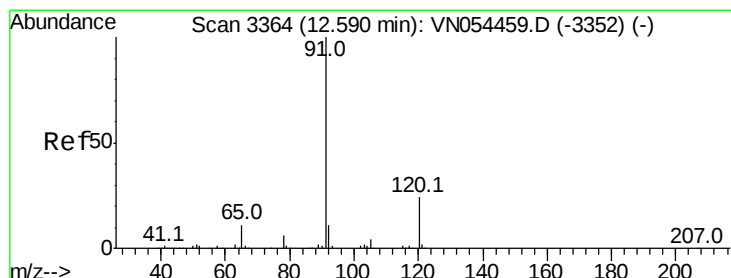
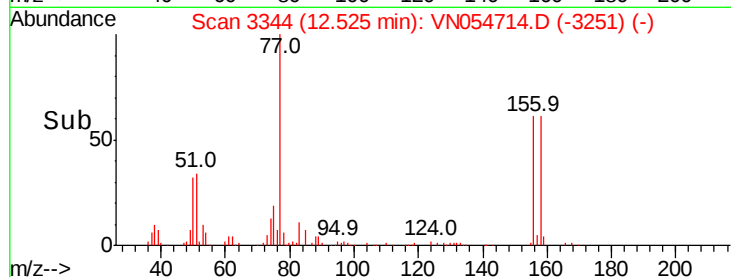
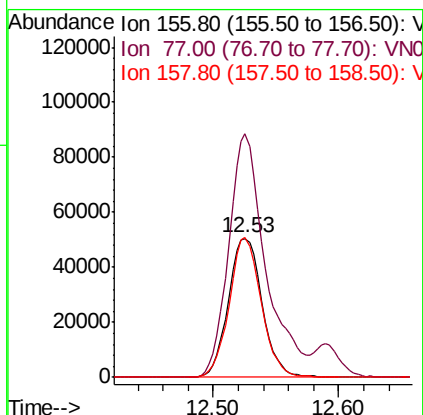
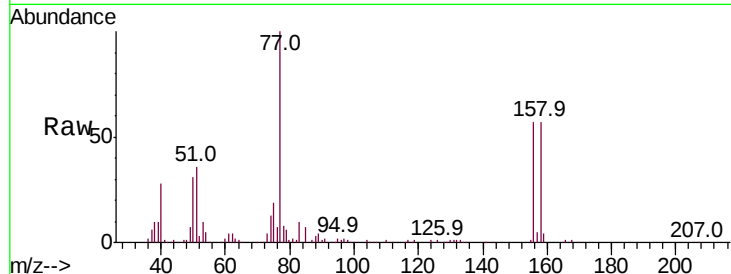
#77
Bromobenzene
Concen: 19.779 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0327WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	192.4	81.5	244.4
158	95.1	49.0	147.2

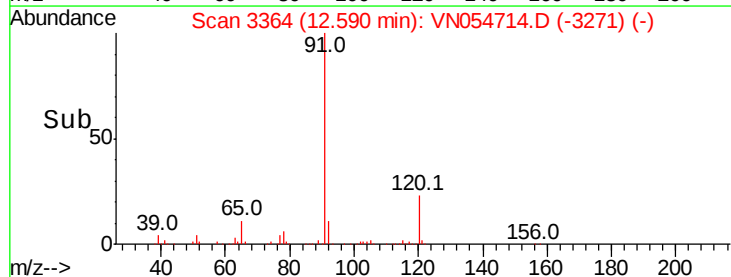
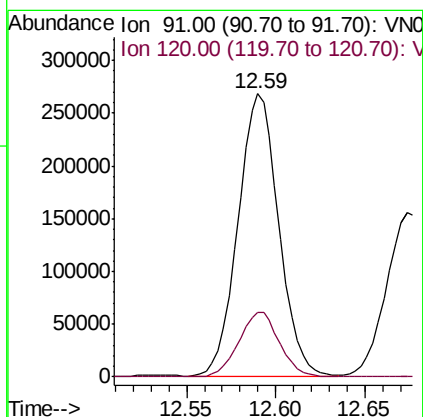
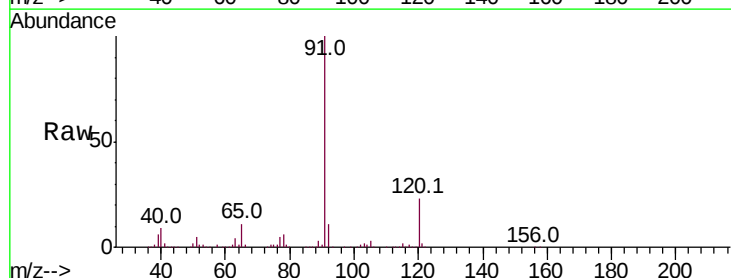
Manual Integrations
APPROVED

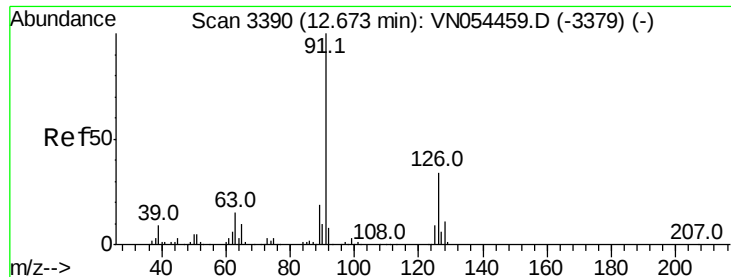
MMDadoda
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#78
n-propylbenzene
Concen: 20.293 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	12.3	36.9





#79

2-Chlorotoluene

Concen: 20.305 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0327WBSD01

Tot Ion: 91 Resp: 265360

Ion Ratio Lower Upper

91 100

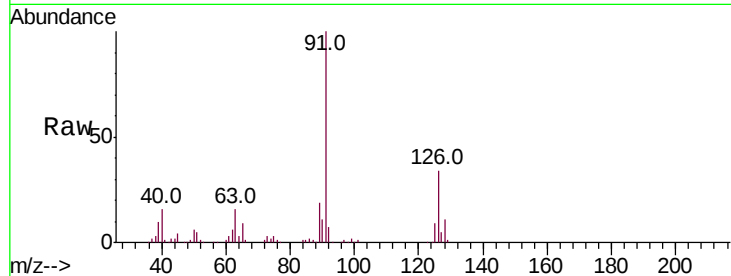
126 33.6 18.7 56.1

Manual Integrations

APPROVED

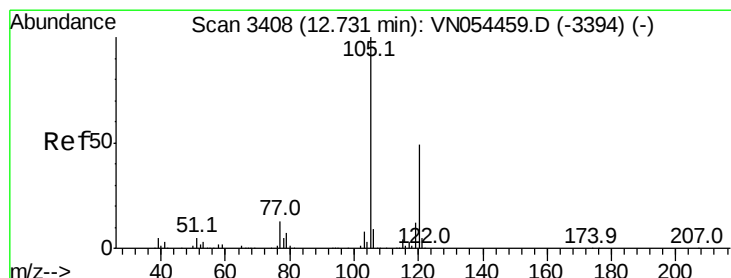
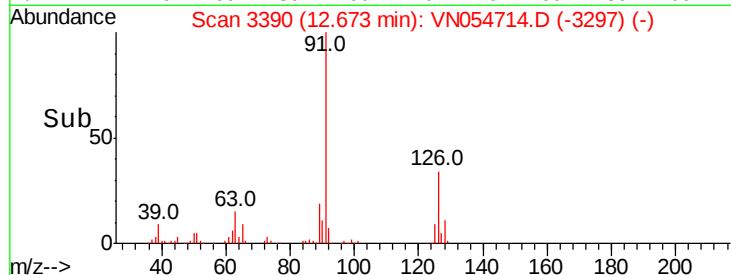
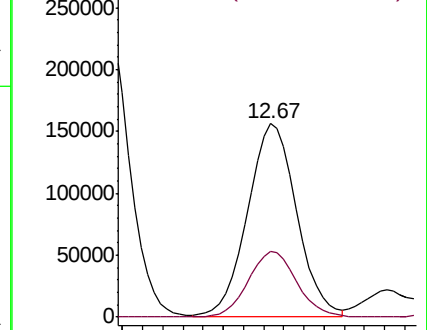
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.227 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054714.D

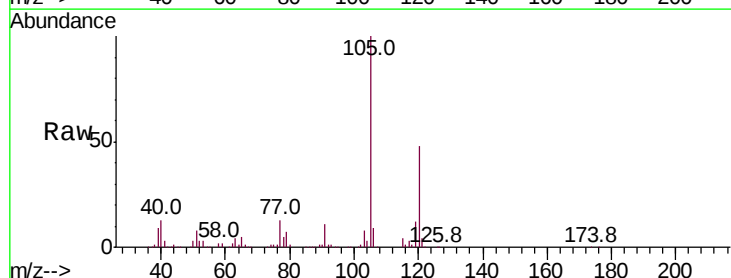
Acq: 27 Mar 2019 11:46

Tgt Ion: 105 Resp: 320399

Ion Ratio Lower Upper

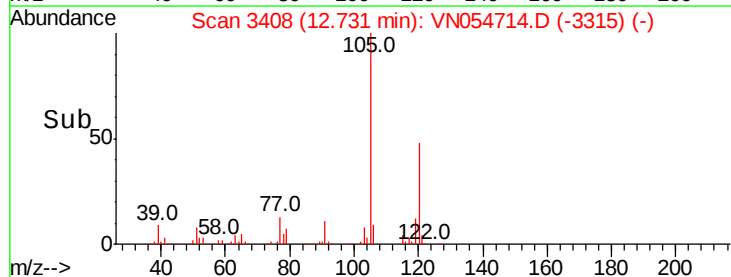
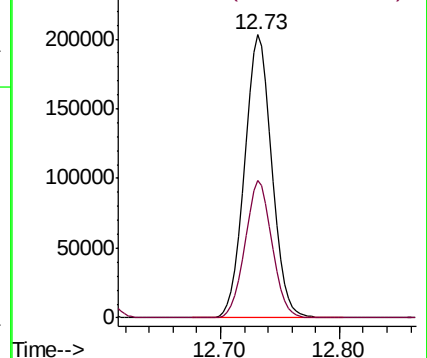
105 100

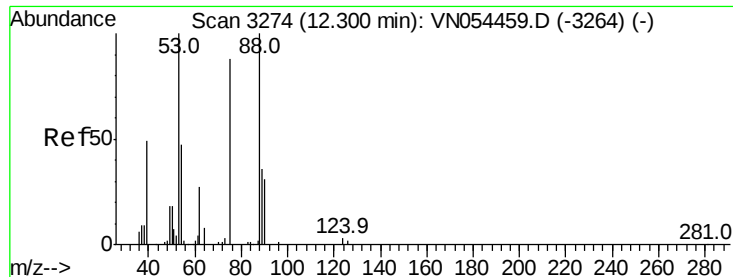
120 48.1 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.071 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0327WBSD01

Tot Ion: 75 Resp: 16384

Ion Ratio Lower Upper

75 100

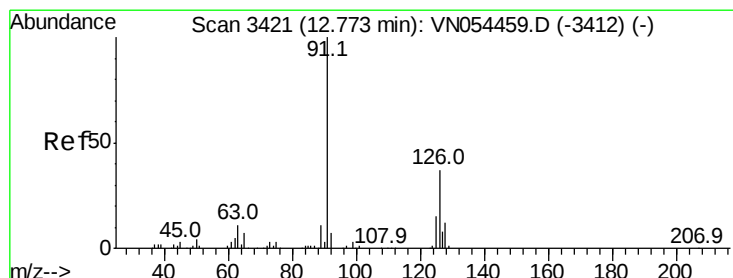
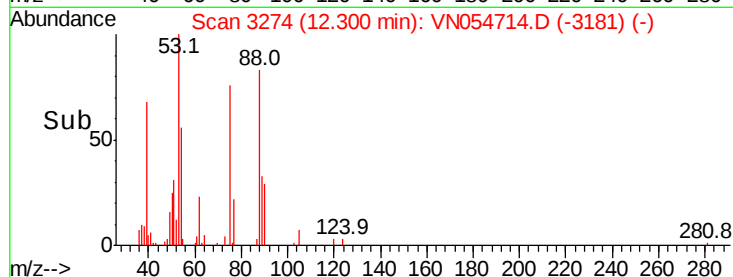
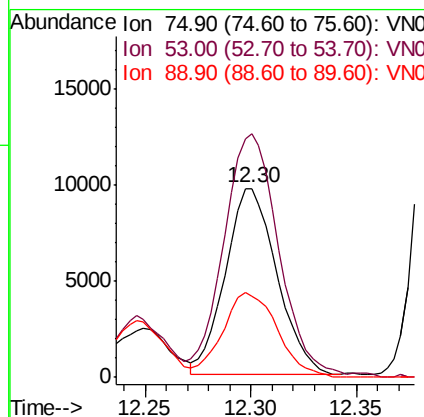
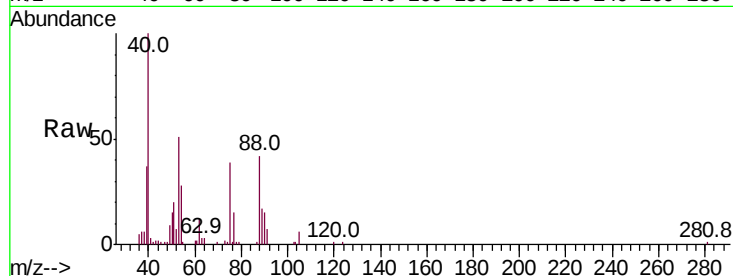
53 137.3 76.2 114.2#

89 49.0 39.2 58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.980 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054714.D

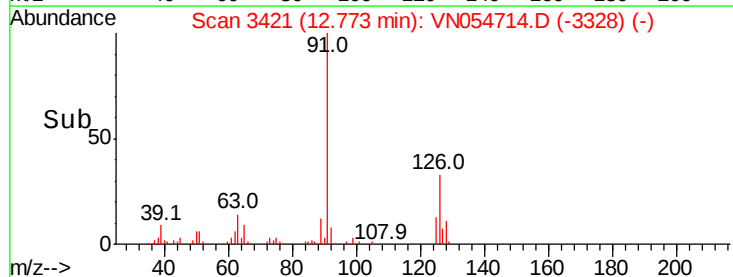
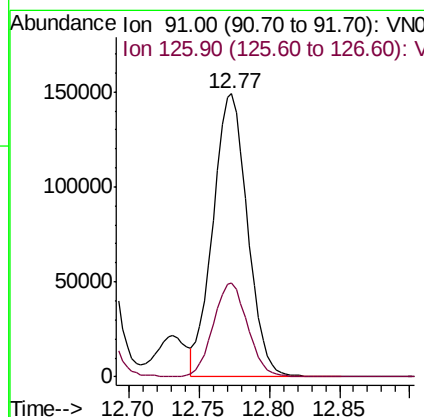
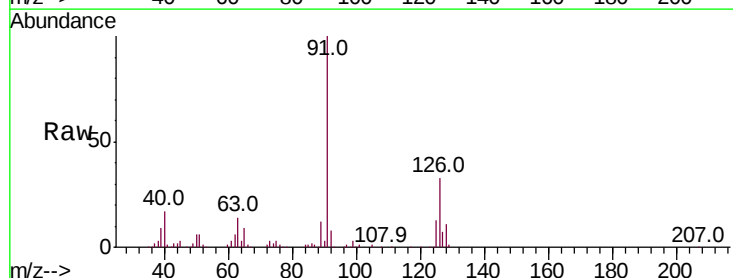
Acq: 27 Mar 2019 11:46

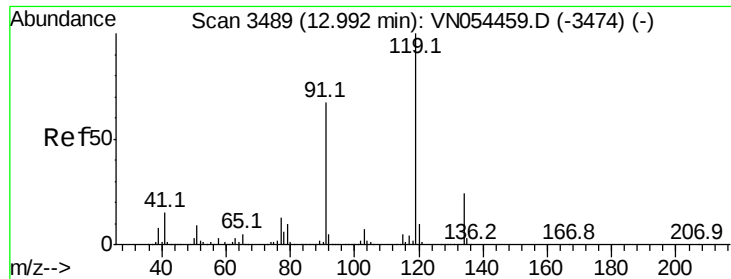
Tgt Ion: 91 Resp: 253105

Ion Ratio Lower Upper

91 100

126 33.0 18.1 54.1





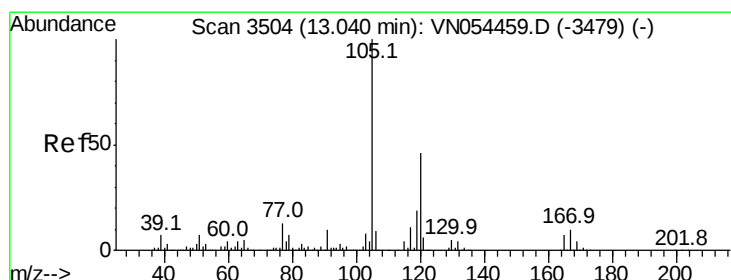
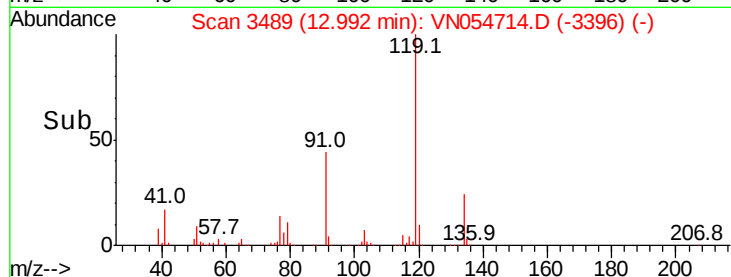
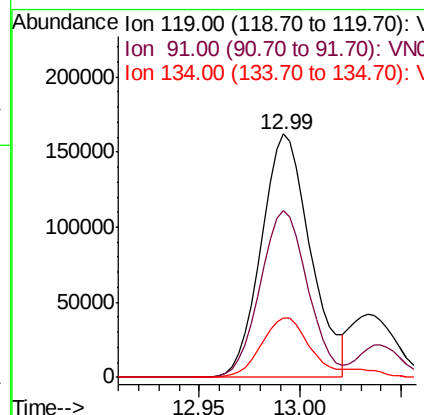
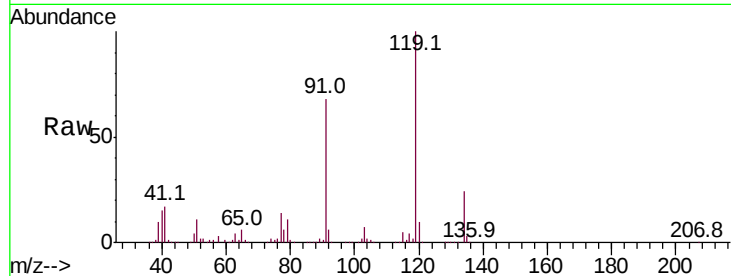
#83
tert-Butylbenzene
Concen: 20.001 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0327WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.2	30.9	92.8
134	26.4	13.2	39.6

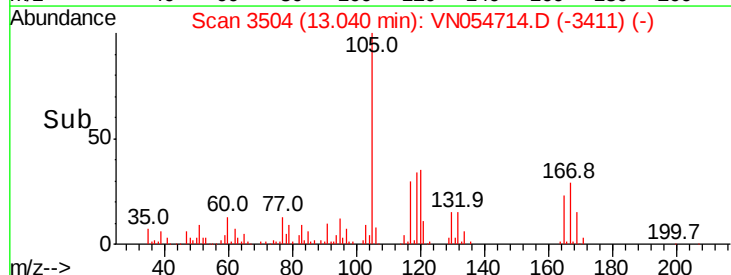
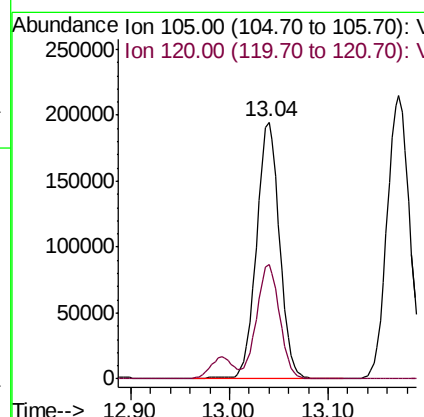
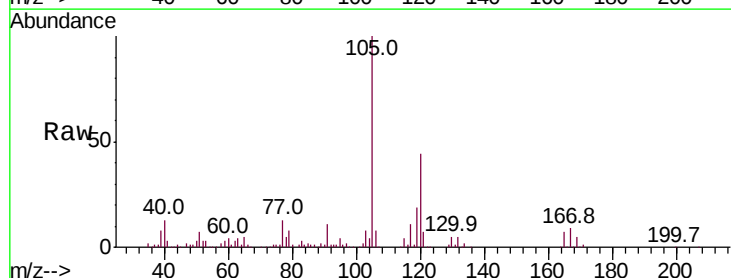
Manual Integrations
APPROVED

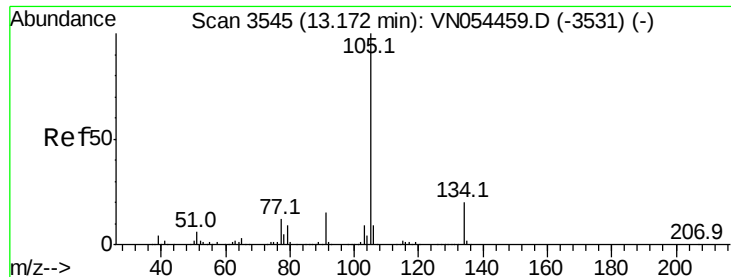
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#84
1,2,4-Trimethylbenzene
Concen: 20.126 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	23.4	70.3





#85

sec-Butylbenzene

Concen: 19.943 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0327WBSD01

Tot Ion:105 Resp: 342782

Ion Ratio Lower Upper

105 100

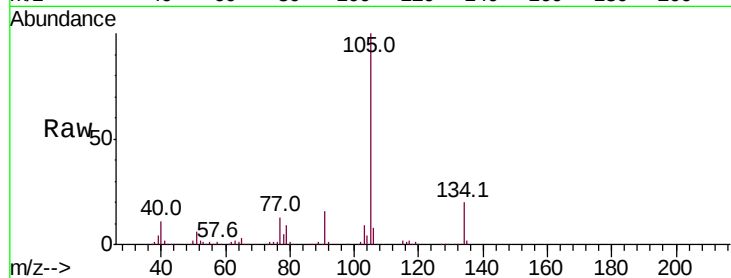
134 20.3 10.7 32.1

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

250000

200000

150000

100000

50000

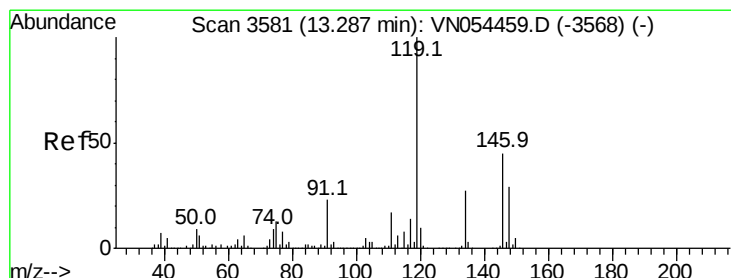
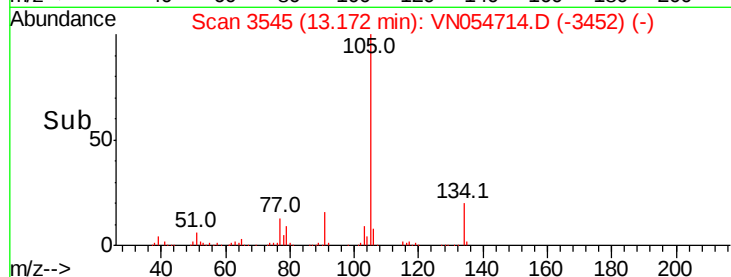
0

13.10

13.17

13.20

Time-->



#86

p-Isopropyltoluene

Concen: 19.452 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

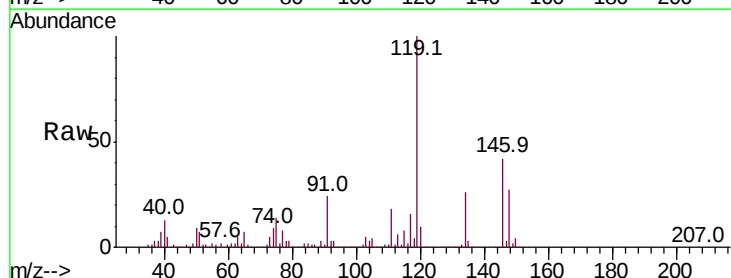
Tgt Ion:119 Resp: 299118

Ion Ratio Lower Upper

119 100

134 26.1 13.6 40.8

91 24.1 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

250000

200000

150000

100000

50000

0

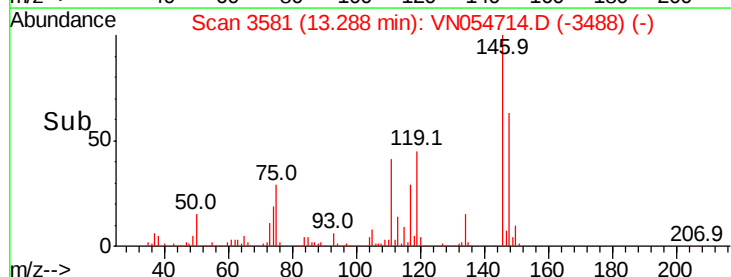
13.20

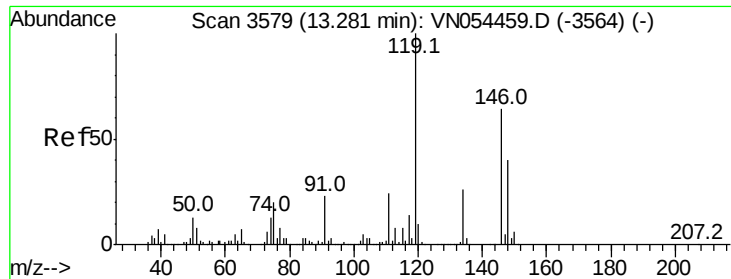
13.25

13.29

13.35

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.336 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN054714.D

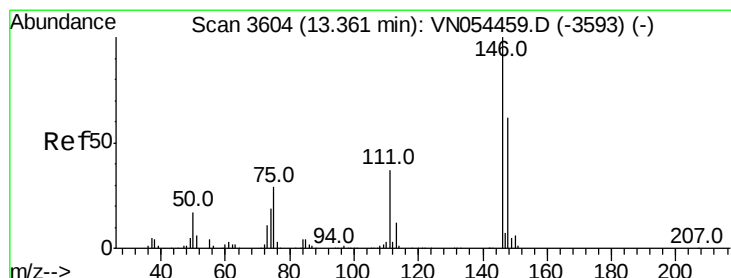
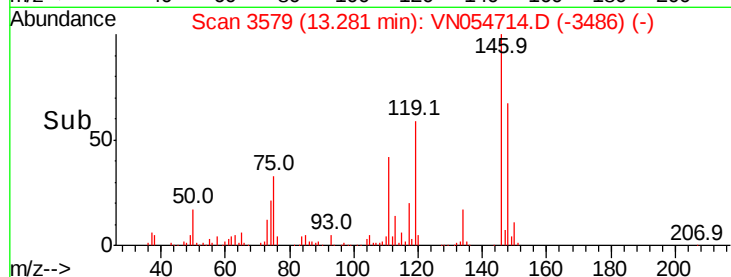
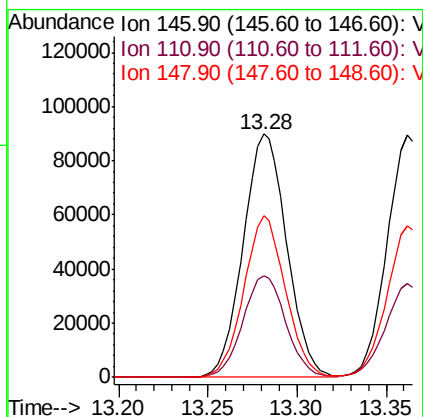
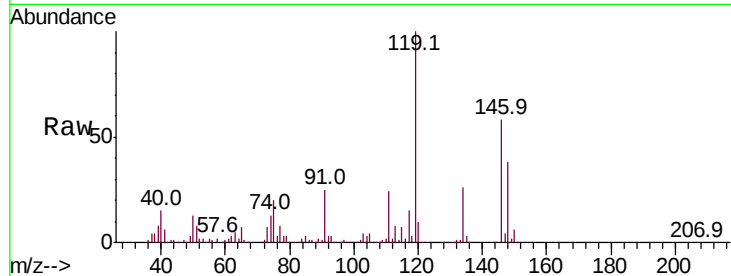
Acq: 27 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0327WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	18.8	56.3
148	63.5	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.243 ug/l

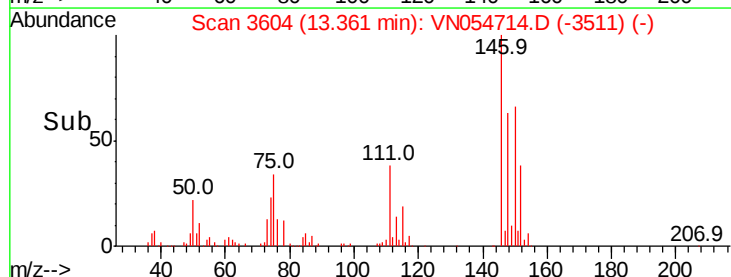
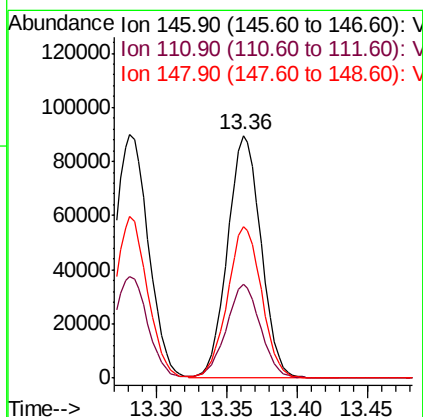
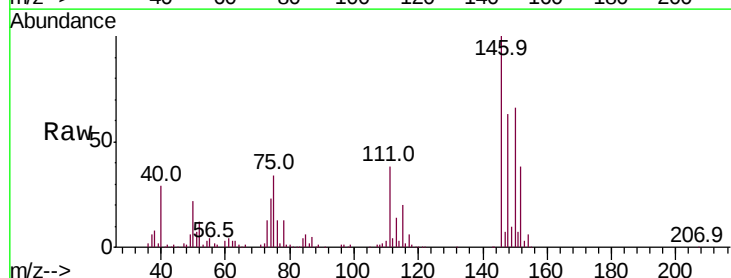
RT: 13.36 min Scan# 3604

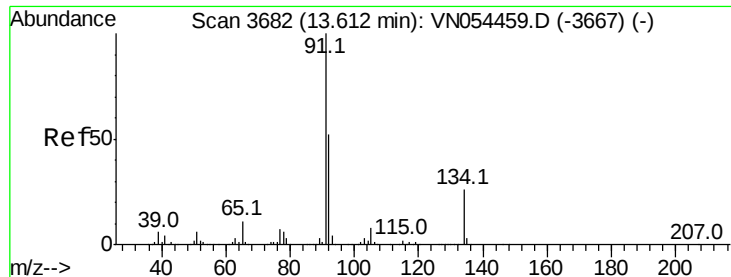
Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	18.1	54.1
148	63.7	32.0	96.0





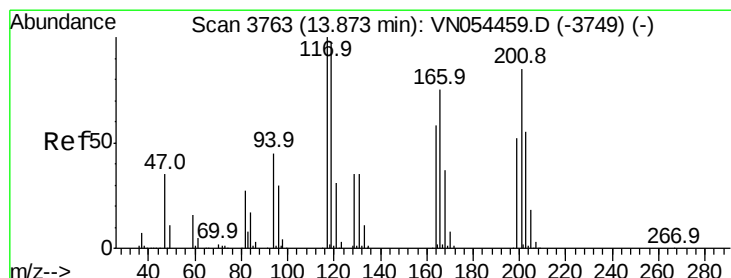
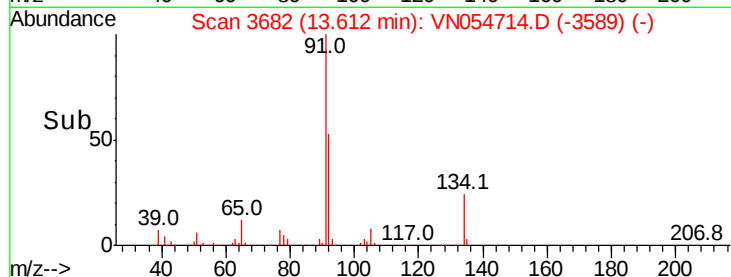
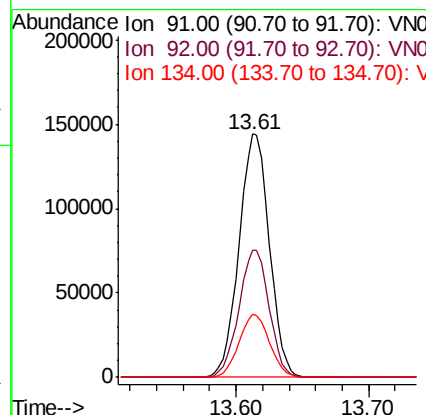
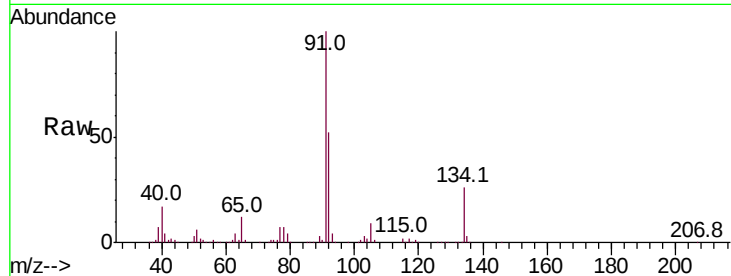
#89
n-Butylbenzene
Concen: 19.006 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0327WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.2	78.6
134	26.0	14.3	42.9

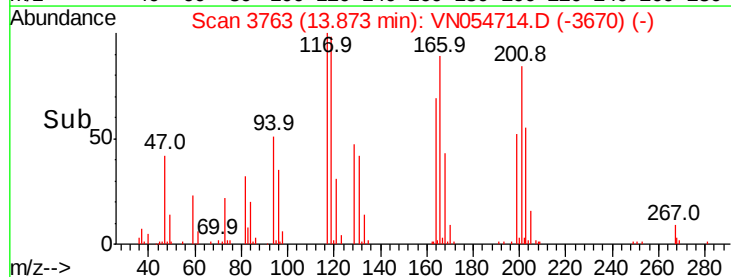
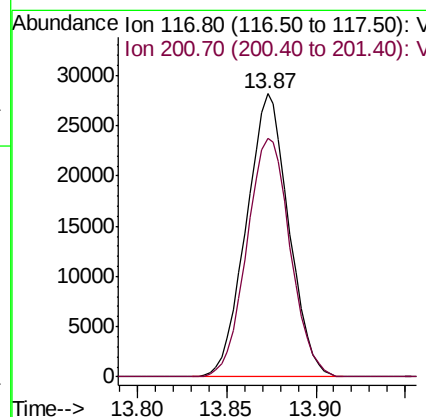
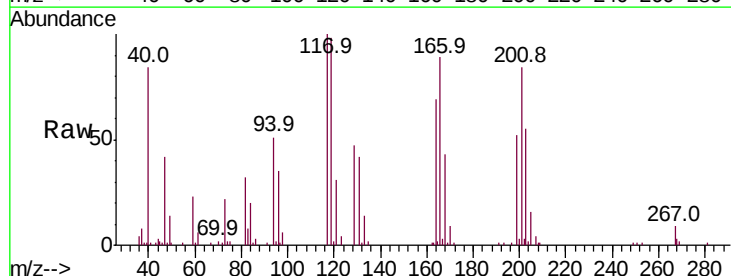
Manual Integrations
APPROVED

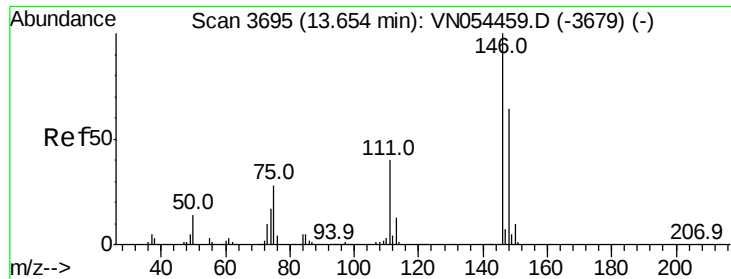
MMDadoda
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#90
Hexachloroethane
Concen: 19.671 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.1	48.1	144.4





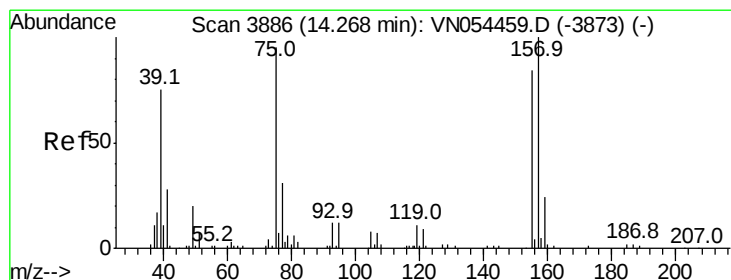
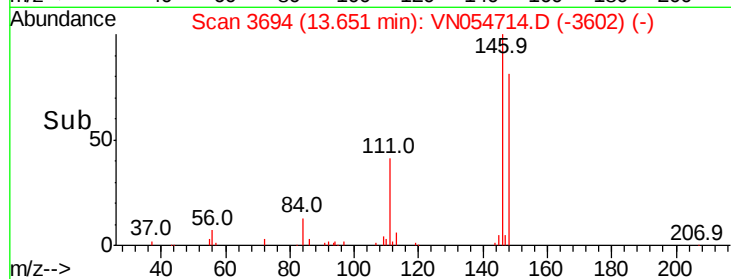
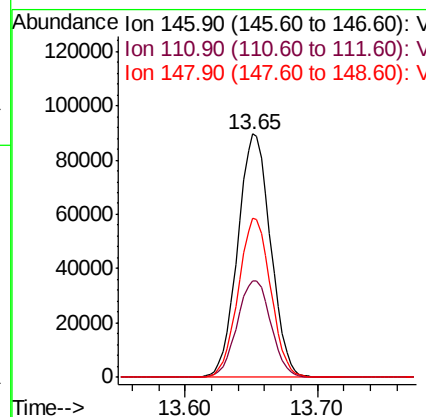
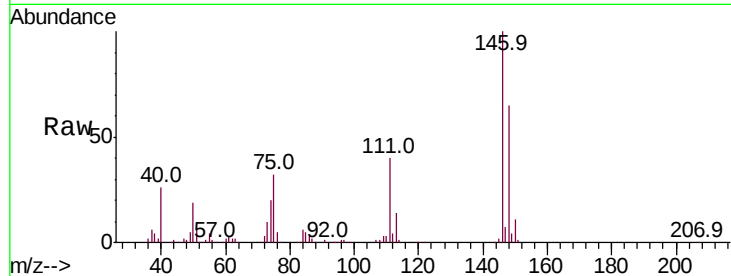
#91
 1,2-Dichlorobenzene
 Concen: 20.014 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN054714.D
 Acq: 27 Mar 2019 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0327WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.1	57.3
148	64.5	32.4	97.0

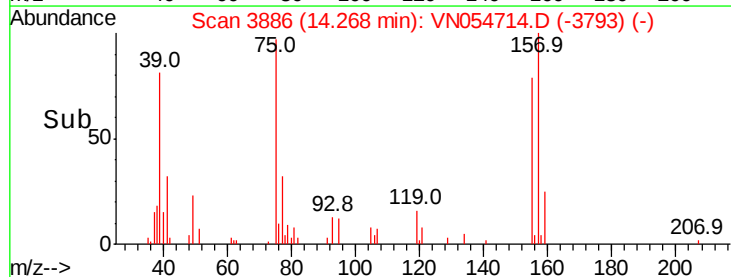
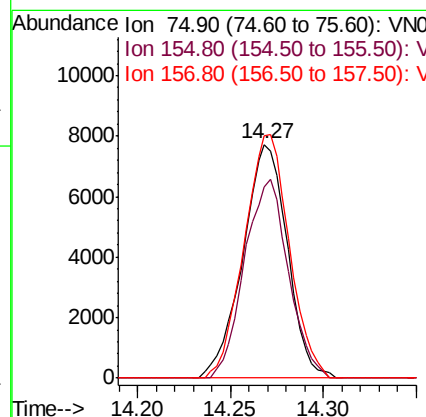
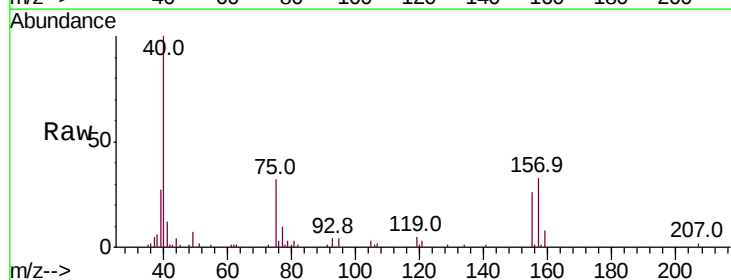
Manual Integrations
 APPROVED

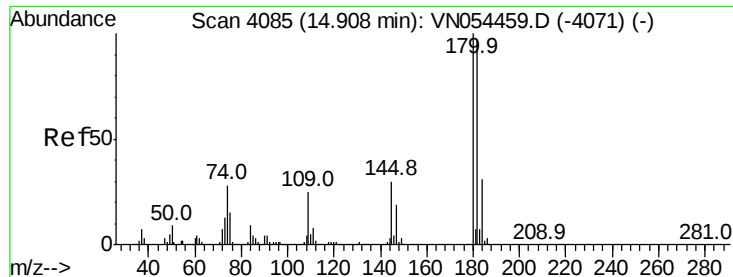
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.993 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN054714.D
 Acq: 27 Mar 2019 11:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.8	50.1	150.3
157	105.3	63.1	189.3





#93

1,2,4-Trichlorobenzene

Concen: 17.451 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

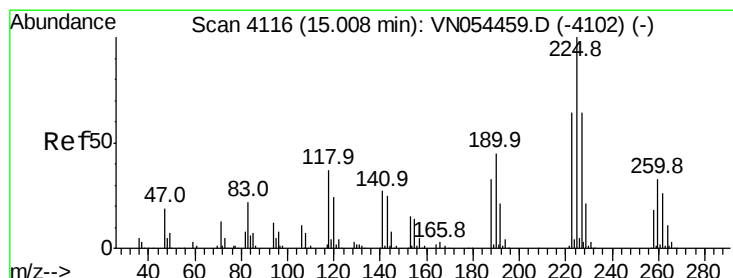
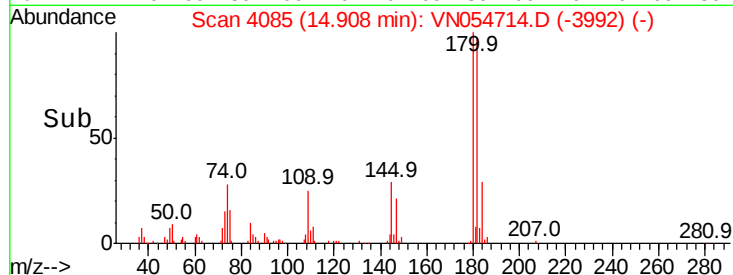
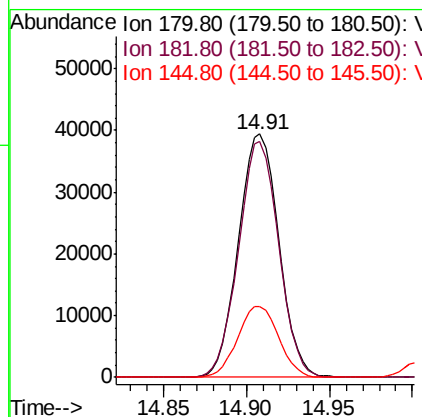
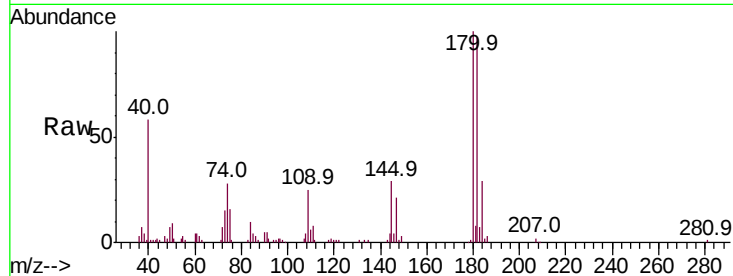
ClientSampleId :

VN0327WBSD01

Tot Ion:	180	Resp:	66932
Ion Ratio	Lower	Upper	
180	100		
182	96.0	48.0	144.2
145	29.5	14.2	42.8

Manual Integrations
APPROVED

MMDadoda
3/28/2019 12:44:44 PM



#94

Hexachlorobutadiene

Concen: 20.321 ug/l

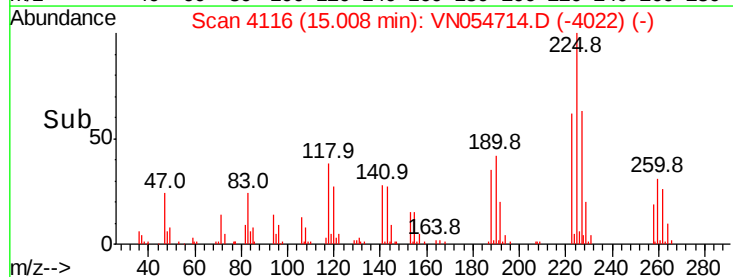
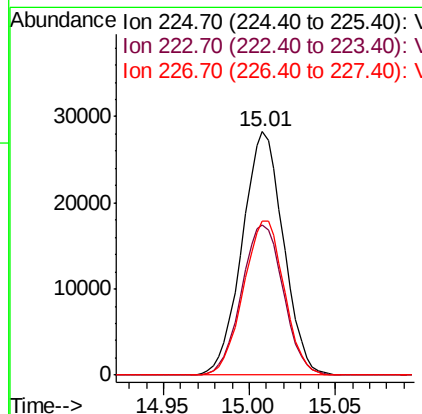
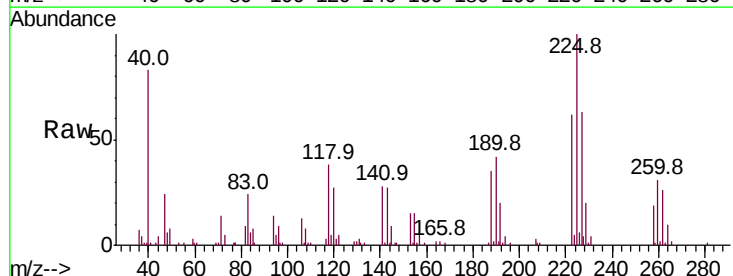
RT: 15.01 min Scan# 4116

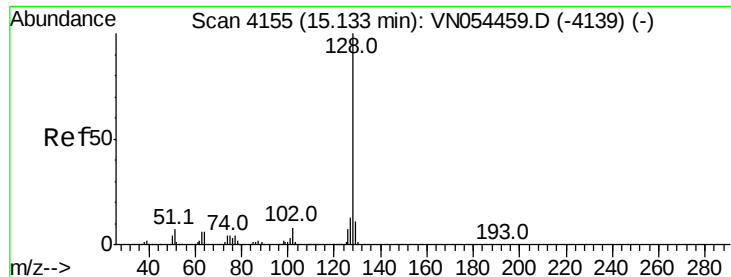
Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Tgt Ion:	225	Resp:	46960
Ion Ratio	Lower	Upper	
225	100		
223	62.5	31.1	93.5
227	62.7	31.9	95.9





#95

Naphthalene

Concen: 17.261 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

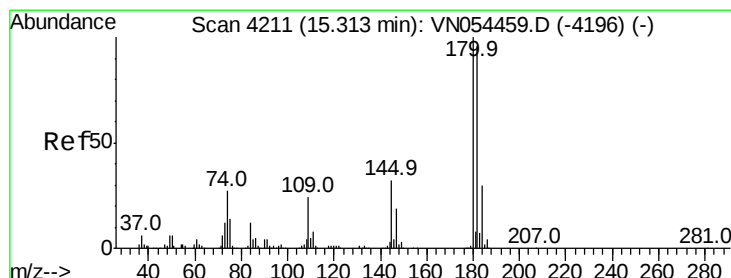
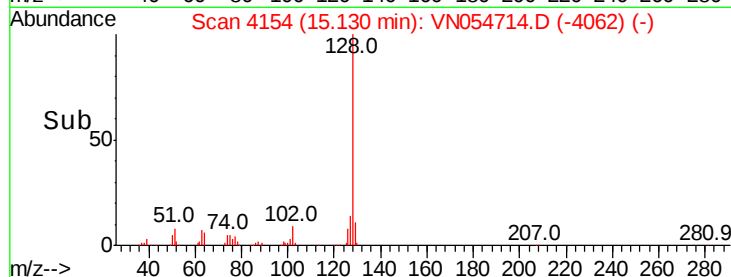
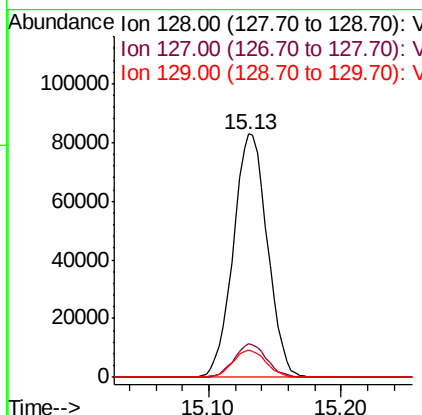
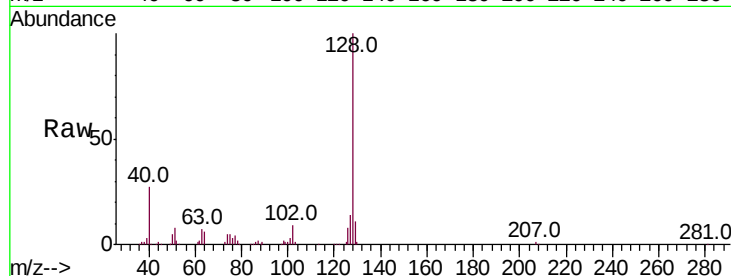
ClientSampleId :

VN0327WBSD01

Tot Ion:	128	Resp:	147668
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.1	15.1
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/28/2019 12:44:44 PM



#96

1,2,3-Trichlorobenzene

Concen: 17.658 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Tgt Ion:	180	Resp:	67407
Ion Ratio	Lower	Upper	
180	100		
182	97.5	47.5	142.6
145	32.2	14.8	44.3

