

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111919\
 Data File : VN059301.D
 Acq On : 19 Nov 2019 12:45
 Operator : JC/SP
 Sample : VN1119MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119MBS01

Manual Integrations
 APPROVED

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 11/20/2019 1:37:28 PM

Quant Time: Nov 20 01:16:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	382256	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	597017	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	530207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	236149	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	217308	46.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.50%	
35) Dibromofluoromethane	7.57	113	181278	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
50) Toluene-d8	10.08	98	665486	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	
62) 4-Bromofluorobenzene	12.40	95	241993	47.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	114835	29.816	ug/l	100
3) Chloromethane	2.04	50	131332	25.086	ug/l	99
4) Vinyl Chloride	2.17	62	140303	27.642	ug/l	100
5) Bromomethane	2.54	94	75199	25.745	ug/l	100
6) Chloroethane	2.68	64	71923	23.954	ug/l	98
7) Trichlorofluoromethane	3.00	101	135636	22.341	ug/l	100
8) Diethyl Ether	3.39	74	58480	23.706	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	87909	24.015	ug/l	97
10) Methyl Iodide	3.93	142	99100	21.871	ug/l	99
11) Tert butyl alcohol	4.75	59	102185	114.108	ug/l	100
12) 1,1-Dichloroethene	3.71	96	85394	23.948	ug/l	98
13) Acrolein	3.58	56	39506	85.565	ug/l	97
14) Allyl chloride	4.29	41	160634	21.930	ug/l	99
15) Acrylonitrile	4.95	53	251262	112.743	ug/l	98
16) Acetone	3.79	43	208674	85.399	ug/l	100
17) Carbon Disulfide	4.03	76	273607	24.718	ug/l	100
18) Methyl Acetate	4.30	43	146654	25.285	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	285703	23.272	ug/l	100
20) Methylene Chloride	4.52	84	96255	22.611	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	92319	24.119	ug/l	95
22) Diisopropyl ether	5.92	45	310741	22.460	ug/l	93
23) Vinyl Acetate	5.87	43	1237583	115.418	ug/l	99
24) 1,1-Dichloroethane	5.82	63	176557	22.848	ug/l	98
25) 2-Butanone	6.81	43	331649	102.983	ug/l	100
26) 2,2-Dichloropropane	6.80	77	146737	21.717	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	103225	23.246	ug/l	98
28) Bromochloromethane	7.17	49	41712	17.942	ug/l	95
29) Tetrahydrofuran	7.19	42	233426	114.075	ug/l	98
30) Chloroform	7.35	83	169406	22.853	ug/l	99
31) Cyclohexane	7.63	56	168015	22.967	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	144794	23.233	ug/l	99
36) 1,1-Dichloropropene	7.77	75	132347	23.717	ug/l	100
37) Ethyl Acetate	6.91	43	140238	22.590	ug/l	99
38) Carbon Tetrachloride	7.75	117	126615	22.796	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	158332	24.447	ug/l	98
40) Benzene	8.02	78	394692	23.487	ug/l	98
41) Methacrylonitrile	7.16	41	65881m	24.405	ug/l	
42) 1,2-Dichloroethane	8.10	62	129445	22.460	ug/l	100
43) Isopropyl Acetate	8.15	43	217581	21.984	ug/l	98
44) Trichloroethene	8.82	130	97639	23.637	ug/l	100
45) 1,2-Dichloropropane	9.10	63	104108	22.809	ug/l	99
46) Dibromomethane	9.19	93	64758	22.768	ug/l	98
47) Bromodichloromethane	9.39	83	126063	22.196	ug/l	97
48) Methyl methacrylate	9.19	41	95931	21.670	ug/l	97
49) 1,4-Dioxane	9.18	88	36681	466.244	ug/l	95
51) 4-Methyl-2-Pentanone	9.97	43	668481	119.371	ug/l	99
52) Toluene	10.15	92	238323	23.662	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	146336	22.301	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	160156	22.690	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	92038	22.579	ug/l	99
56) Ethyl methacrylate	10.42	69	138489	21.480	ug/l	98
57) 1,3-Dichloropropane	10.70	76	160577	22.888	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	241915	106.639	ug/l	99
59) 2-Hexanone	10.75	43	487112	113.327	ug/l	98
60) Dibromochloromethane	10.90	129	95574	22.176	ug/l	99
61) 1,2-Dibromoethane	11.00	107	95810	23.218	ug/l	99
64) Tetrachloroethene	10.63	164	85165	23.622	ug/l	98
65) Chlorobenzene	11.43	112	246226	23.823	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	89914	23.190	ug/l	98
67) Ethyl Benzene	11.51	91	445341	24.285	ug/l	99
68) m/p-Xylenes	11.62	106	332875	48.459	ug/l	100
69) o-Xylene	11.95	106	158283	23.843	ug/l	100
70) Styrene	11.96	104	245040	23.470	ug/l	99
71) Bromoform	12.13	173	67316	22.321	ug/l #	100
73) Isopropylbenzene	12.25	105	426451	24.826	ug/l	100
74) N-amyl acetate	12.07	43	164525	22.603	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	138671	23.705	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	123582m	22.986	ug/l	
77) Bromobenzene	12.53	156	100736	23.342	ug/l	100
78) n-propylbenzene	12.59	91	483106	24.563	ug/l	99
79) 2-Chlorotoluene	12.67	91	293876	24.086	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	358627	24.639	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	45292	22.251	ug/l	99
82) 4-Chlorotoluene	12.77	91	291379	23.810	ug/l	99
83) tert-Butylbenzene	12.99	119	307373	24.453	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	351767	24.979	ug/l	99
85) sec-Butylbenzene	13.17	105	405533	24.807	ug/l	99
86) p-Isopropyltoluene	13.29	119	359941	24.936	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	174103	23.558	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	169794	22.963	ug/l	99
89) n-Butylbenzene	13.62	91	296346	23.457	ug/l	100
90) Hexachloroethane	13.88	117	66145	22.821	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	171965	23.654	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	27290	23.397	ug/l	96

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	89422	22.085	ug/l	98
94) Hexachlorobutadiene	15.01	225	61469	24.522	ug/l	99
95) Naphthalene	15.13	128	240826	21.526	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	91557	22.472	ug/l	99

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

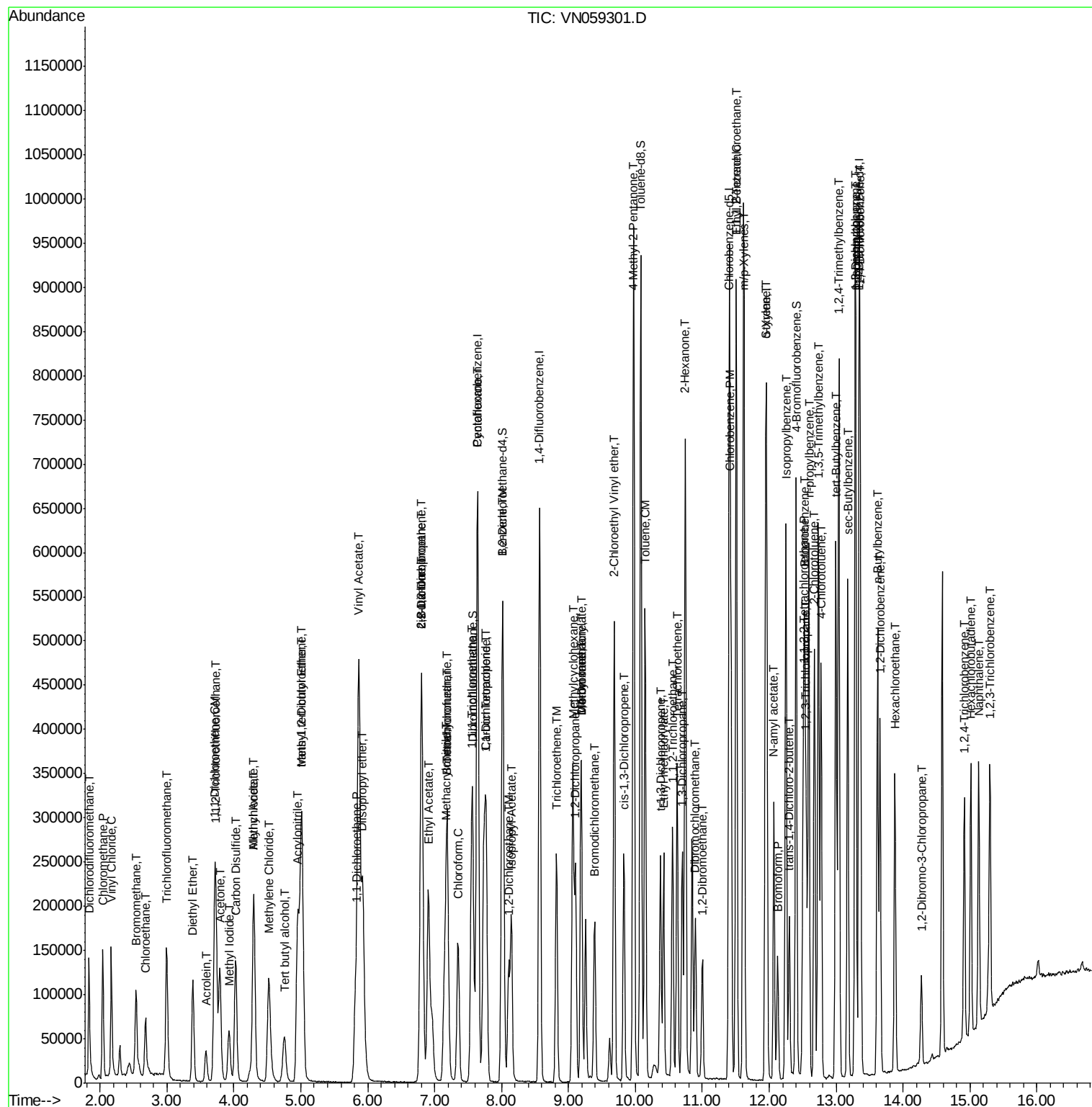
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Operator : JC/SP
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS01

Tot Ion:168 Resp: 382256

Ion Ratio Lower Upper

168 100

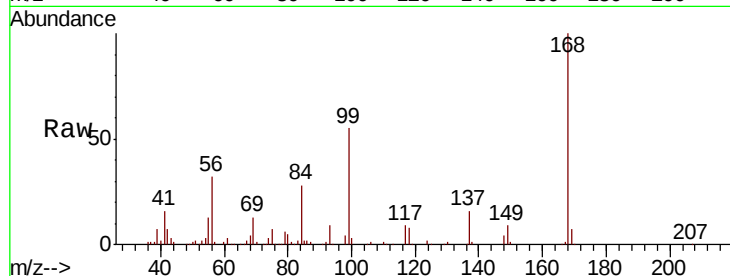
99 54.9 45.7 68.5

Manual Integrations

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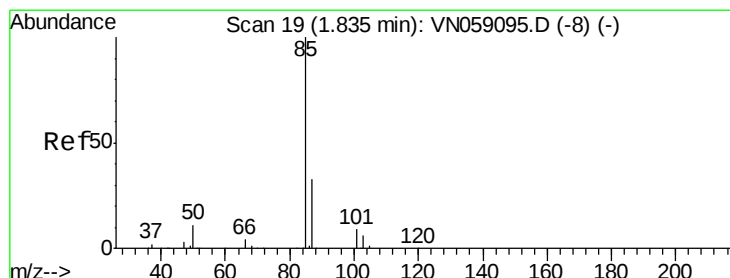
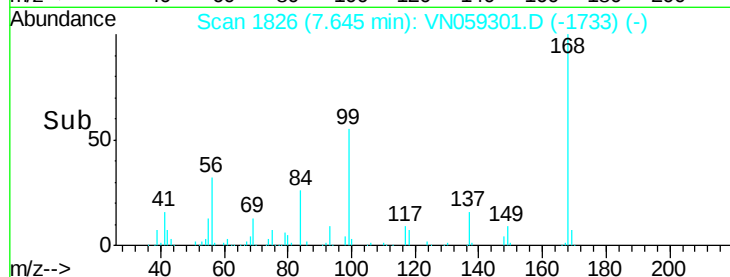
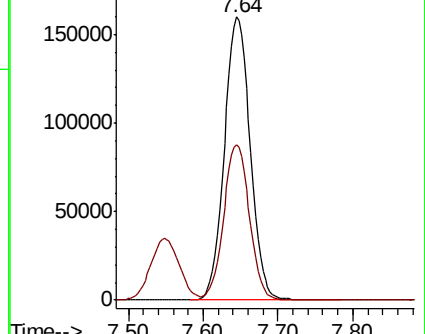
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 29.816 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059301.D

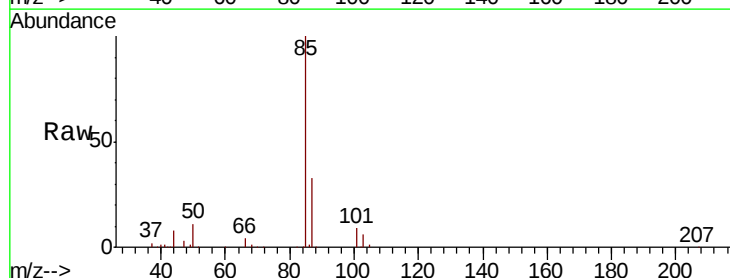
Acq: 19 Nov 2019 12:45

Tgt Ion: 85 Resp: 114835

Ion Ratio Lower Upper

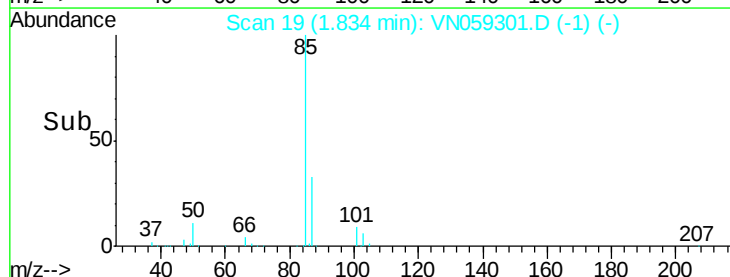
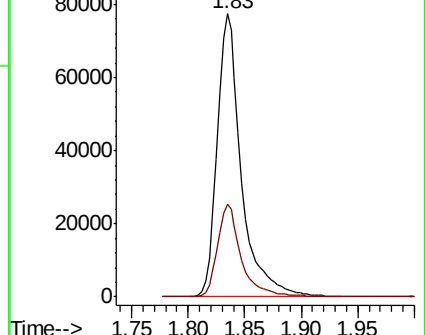
85 100

87 32.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 25.086 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS01

Tot Ion: 50 Resp: 131332

Ion Ratio Lower Upper

50 100

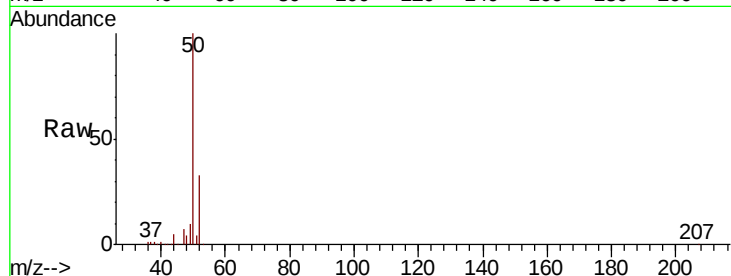
52 33.0 26.0 39.0

Manual Integrations

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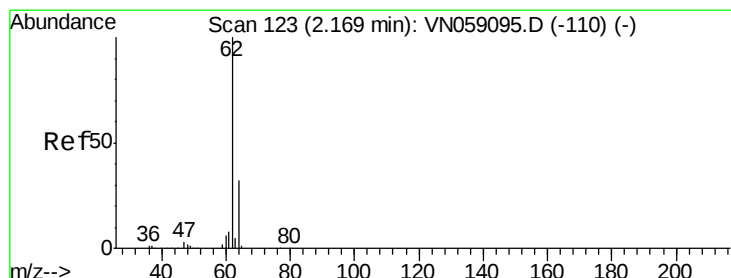
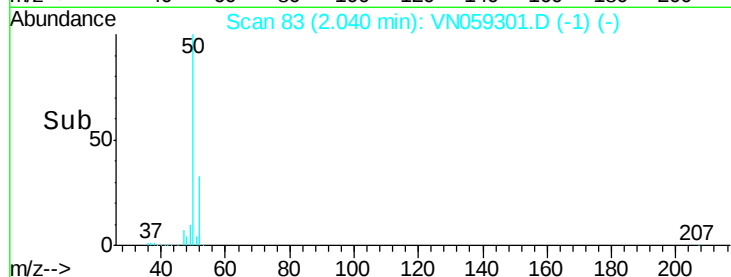
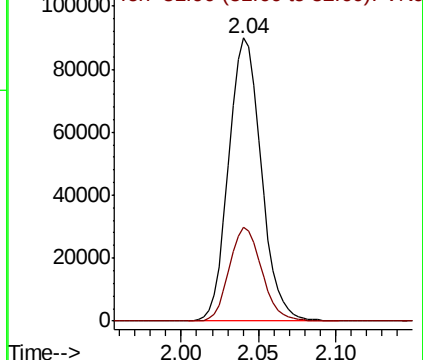
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 27.642 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059301.D

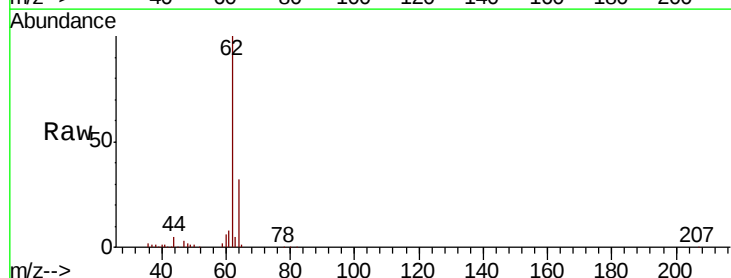
Acq: 19 Nov 2019 12:45

Tgt Ion: 62 Resp: 140303

Ion Ratio Lower Upper

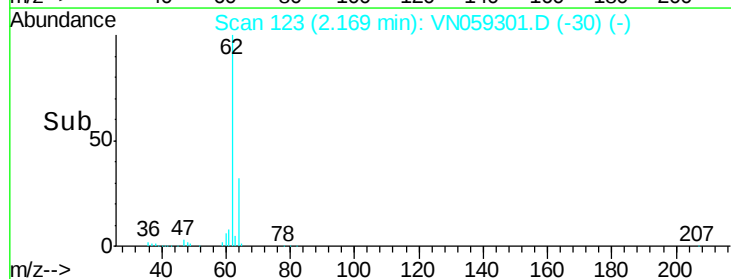
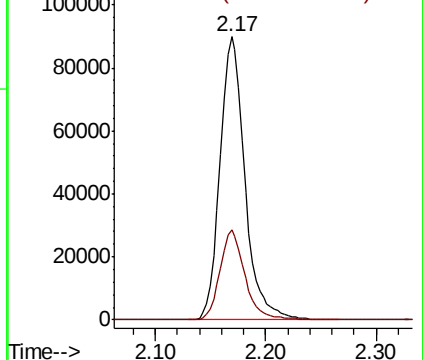
62 100

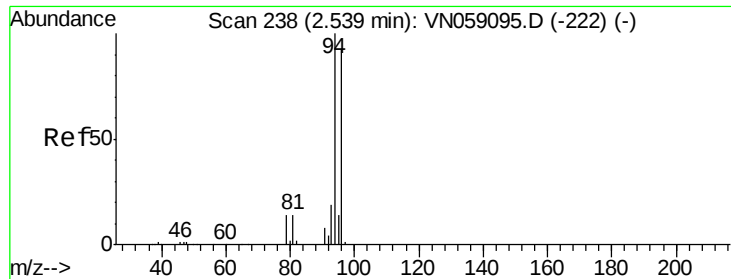
64 31.8 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 25.745 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS01

Tot Ion: 94 Resp: 75199

Ion Ratio Lower Upper

94 100

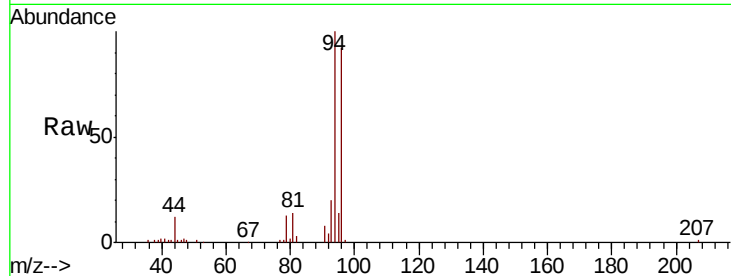
96 92.5 74.2 111.2

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

2.54

40000

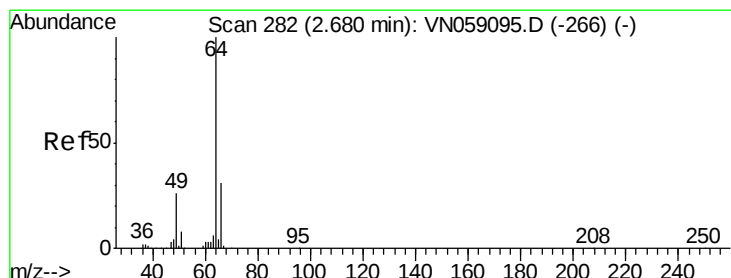
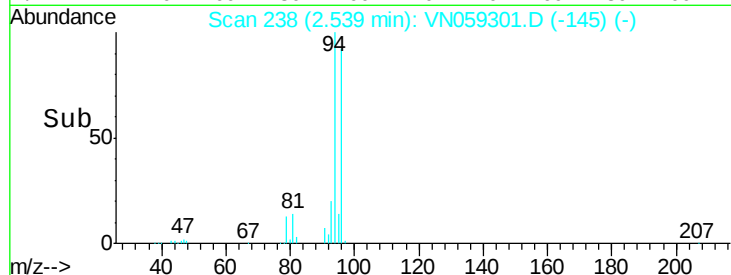
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 23.954 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN059301.D

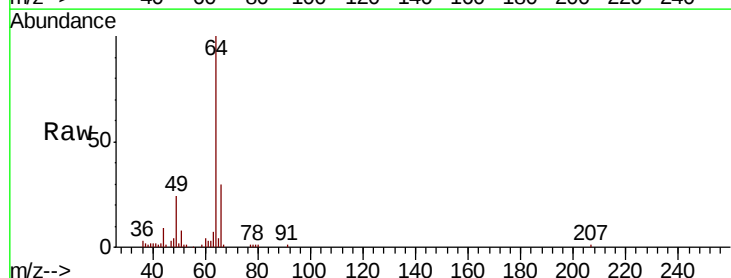
Acq: 19 Nov 2019 12:45

Tgt Ion: 64 Resp: 71923

Ion Ratio Lower Upper

64 100

66 30.4 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

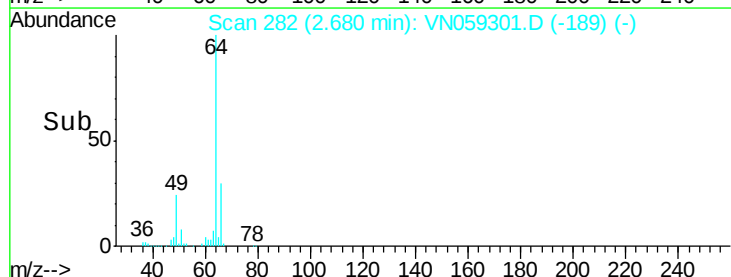
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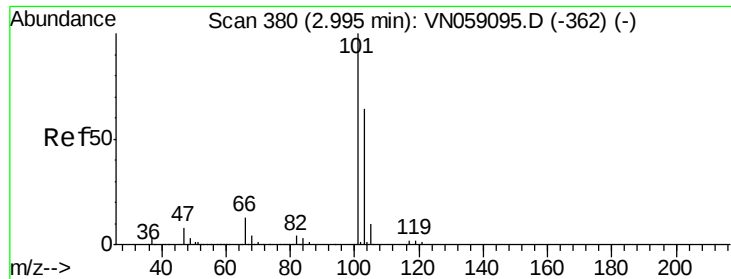
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10000

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Time-->





#7

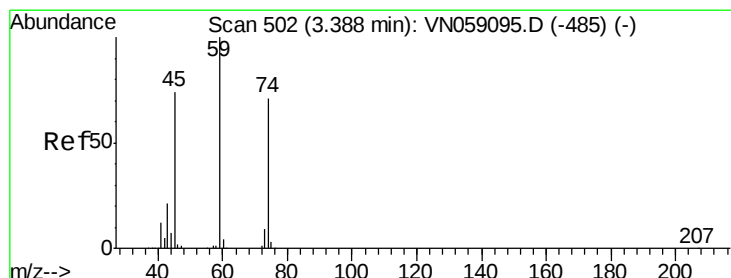
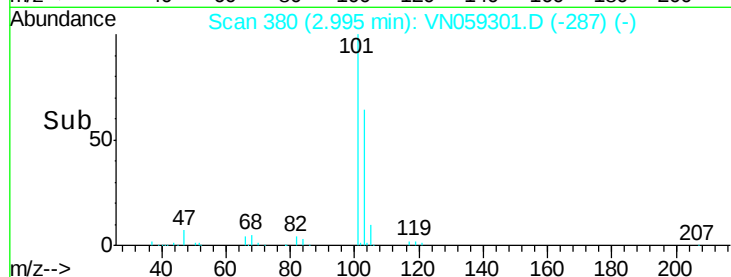
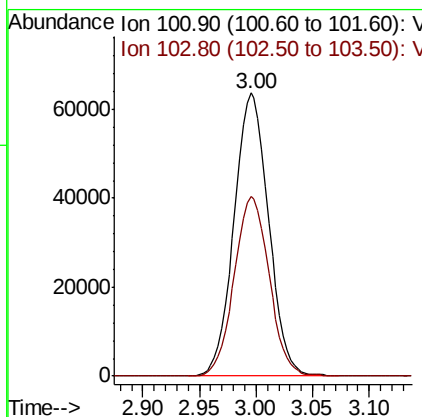
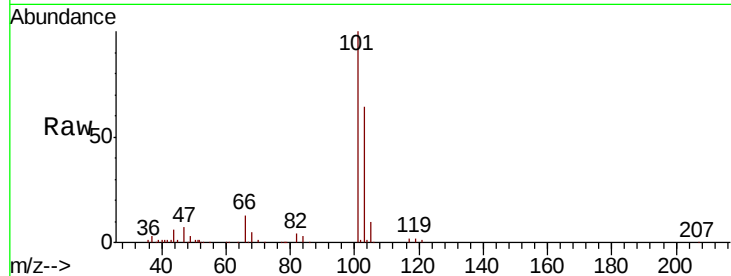
Trichlorofluoromethane
Concen: 22.341 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.2	76.8

Manual Integrations
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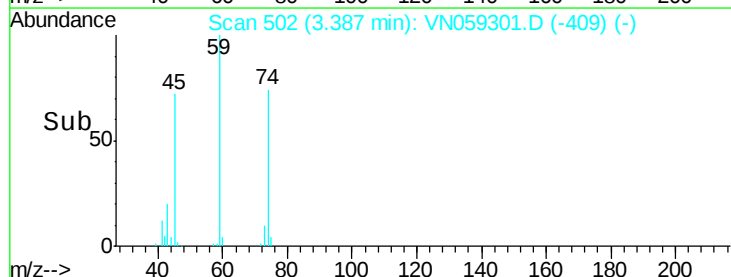
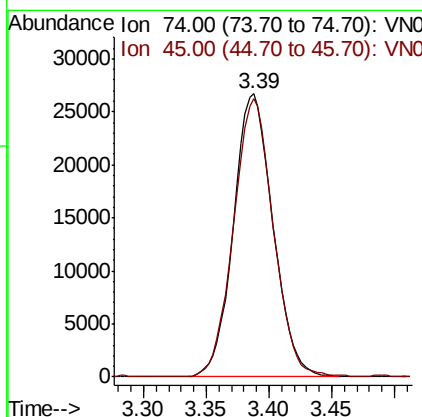
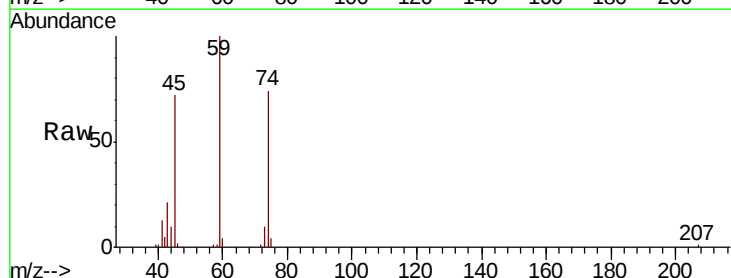
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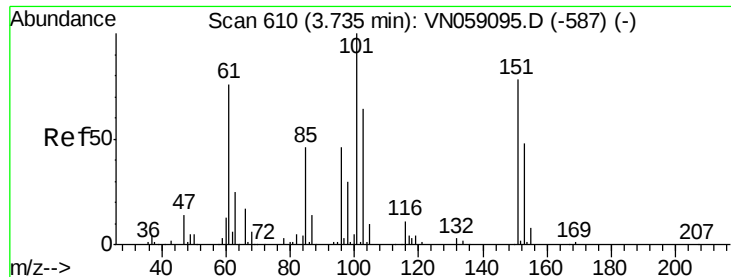


#8

Diethyl Ether
Concen: 23.706 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.1	51.6	154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.015 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

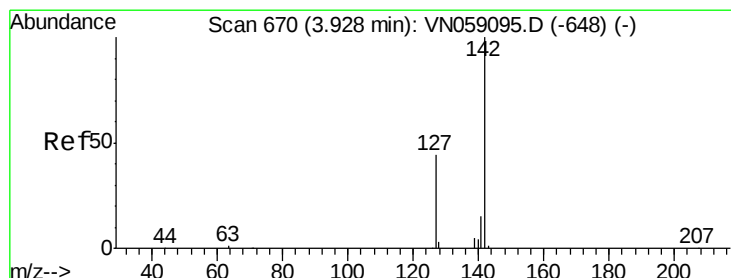
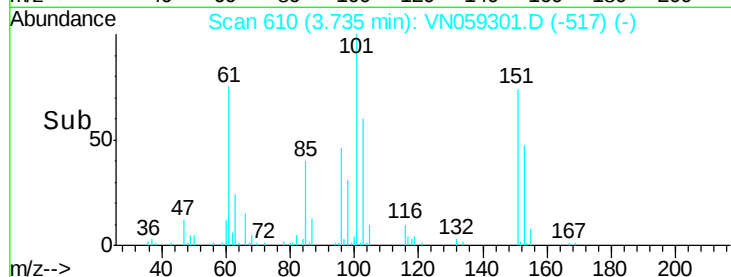
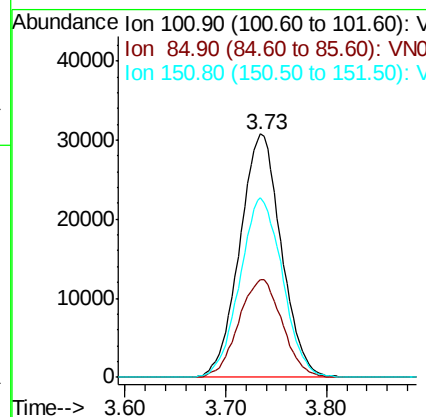
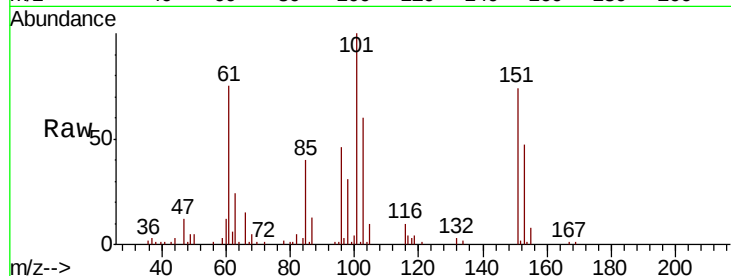
ClientSampleId :

VN1119MBS01

Tot Ion:	101	Resp:	87909
Ion Ratio	Lower	Upper	
101	100		
85	42.0	35.5	53.3
151	75.6	62.2	93.2

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#10

Methyl Iodide

Concen: 21.871 ug/l

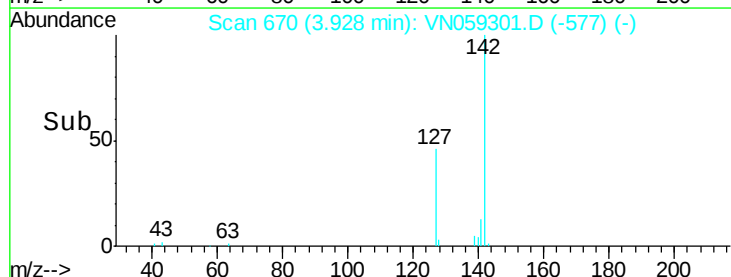
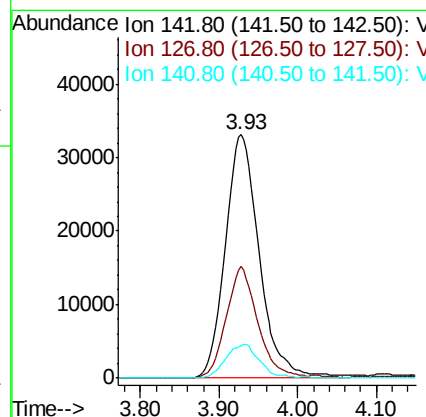
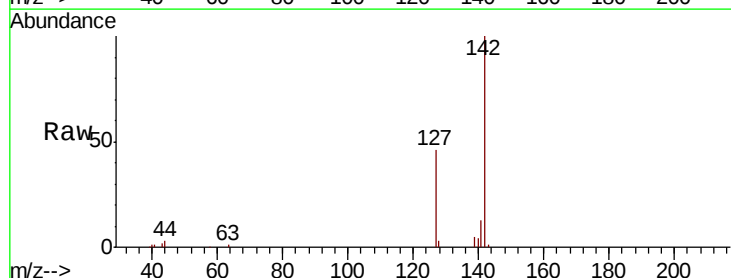
RT: 3.93 min Scan# 670

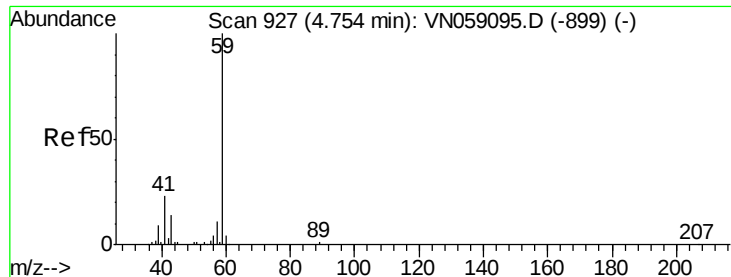
Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Tgt Ion:	142	Resp:	99100
Ion Ratio	Lower	Upper	
142	100		
127	42.3	34.2	51.2
141	13.6	11.4	17.0





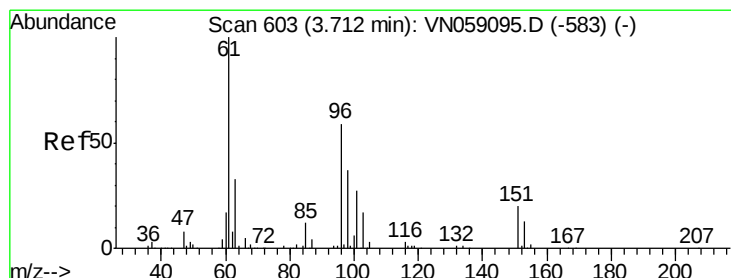
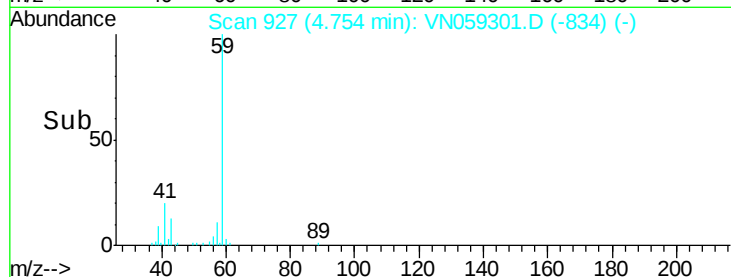
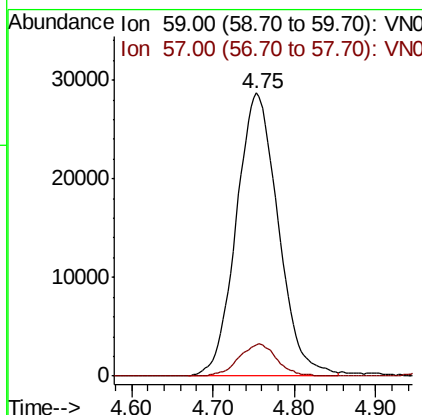
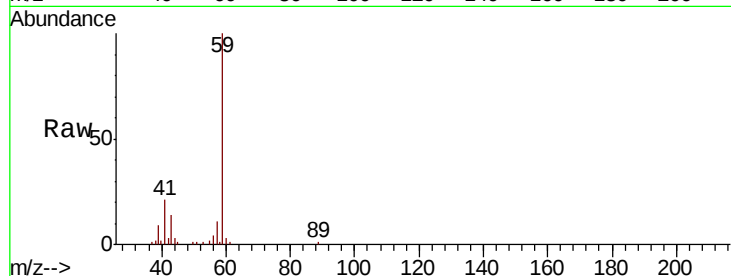
#11
Tert butyl alcohol
Concen: 114.108 ug/l
RT: 4.75 min Scan# 927
Delta R.T. -0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.3	12.5

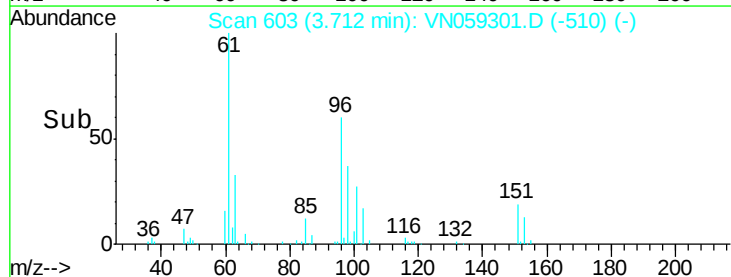
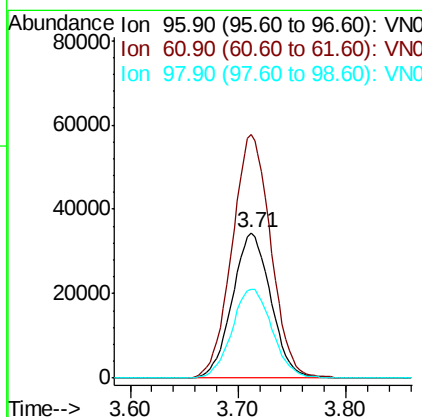
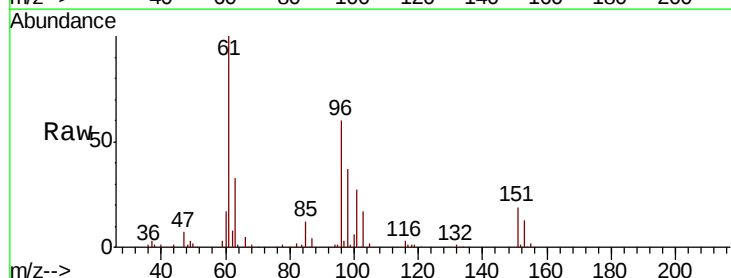
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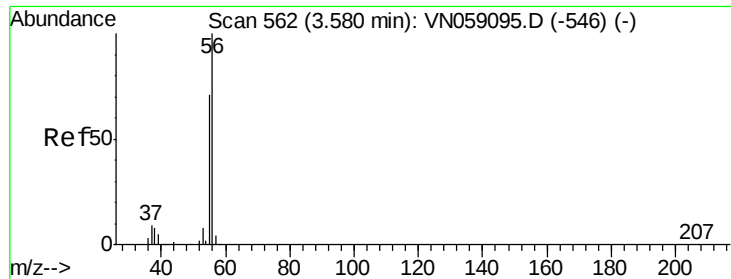
MMDadoda
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#12
1,1-Dichloroethene
Concen: 23.948 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.6	136.5	204.7
98	61.4	50.2	75.4





#13

Acrolein

Concen: 85.565 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS01

Tot Ion: 56 Resp: 39506

Ion Ratio Lower Upper

56 100

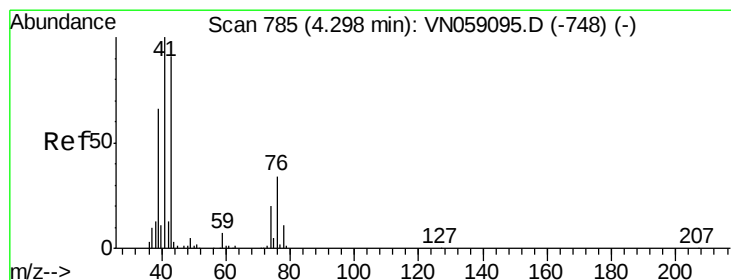
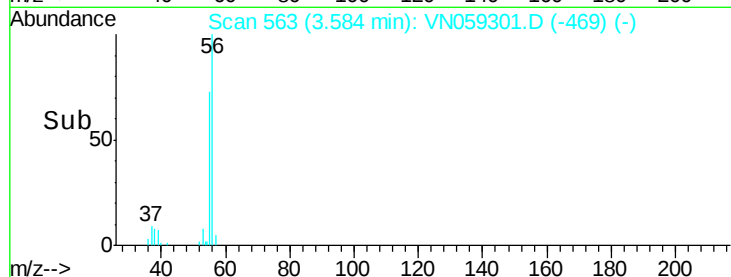
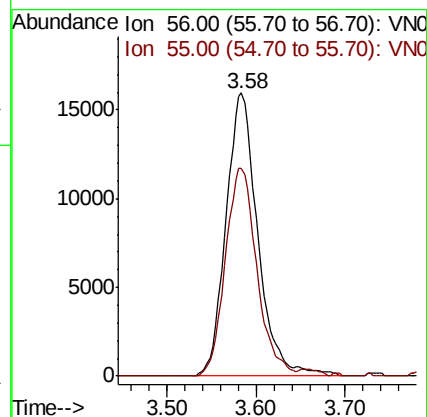
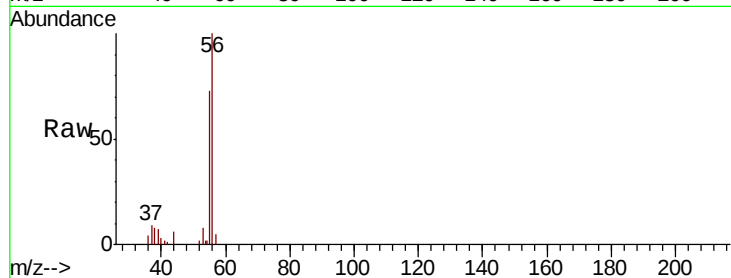
55 72.8 56.4 84.6

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#14

Allyl chloride

Concen: 21.930 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

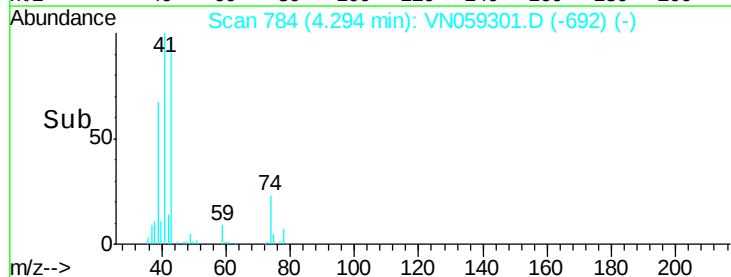
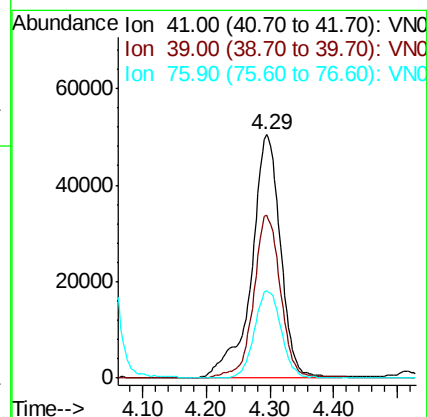
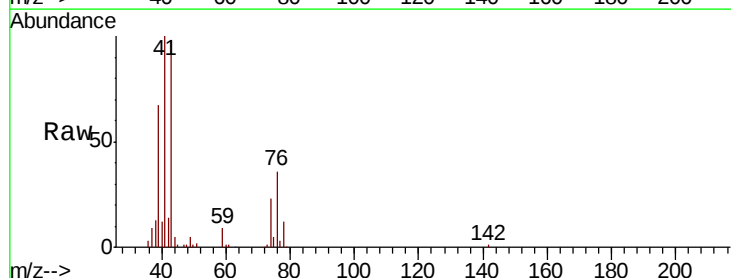
Tgt Ion: 41 Resp: 160634

Ion Ratio Lower Upper

41 100

39 61.6 49.1 73.7

76 32.8 24.9 37.3





#15

Acrylonitrile

Concen: 112.743 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

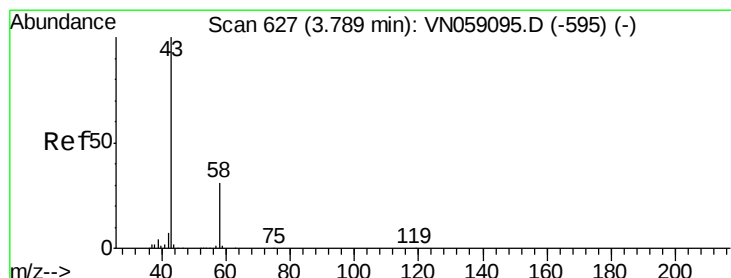
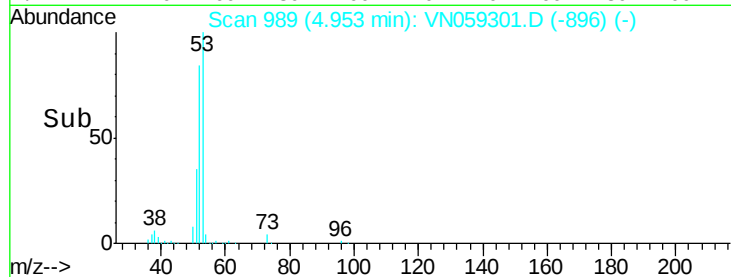
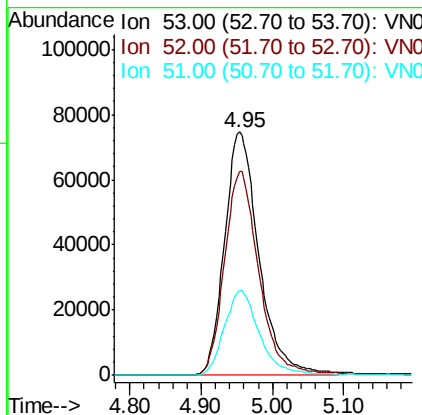
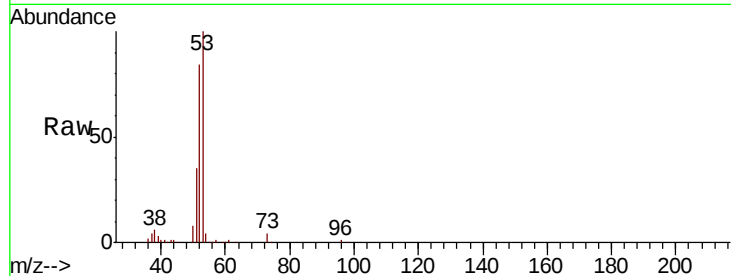
ClientSampleId :

VN1119MBS01

Tot Ion:	53	Resp:	251262
Ion Ratio	Lower	Upper	
53	100		
52	83.2	65.0	97.6
51	35.8	28.0	42.0

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#16

Acetone

Concen: 85.399 ug/l

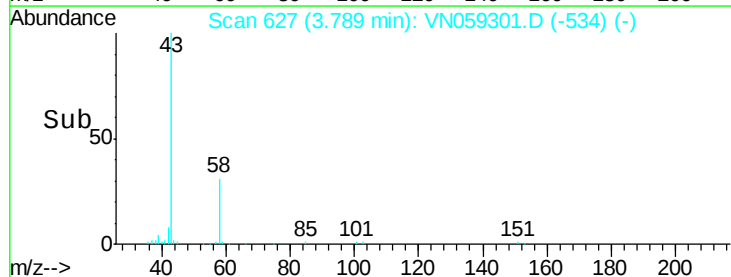
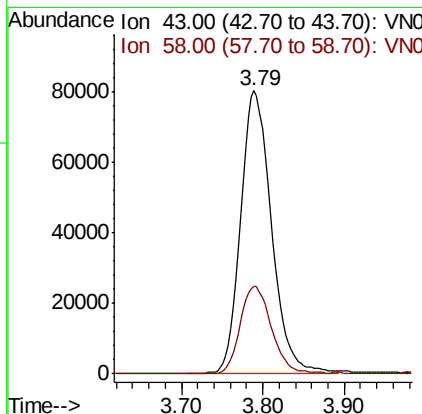
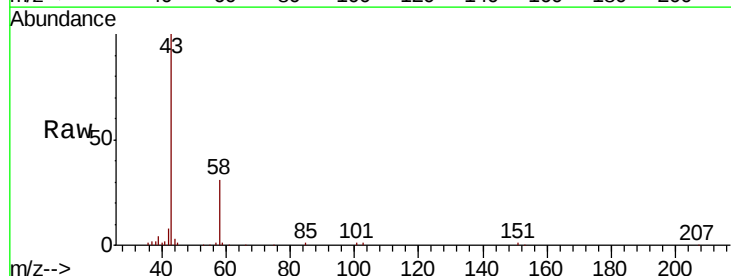
RT: 3.79 min Scan# 627

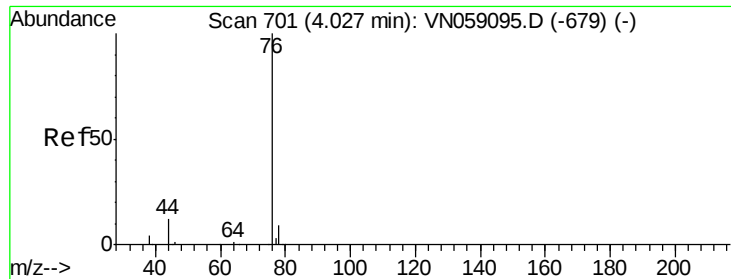
Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Tgt Ion:	43	Resp:	208674
Ion Ratio	Lower	Upper	
43	100		
58	31.2	24.9	37.3





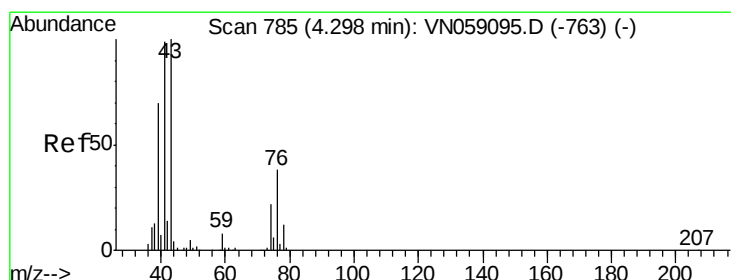
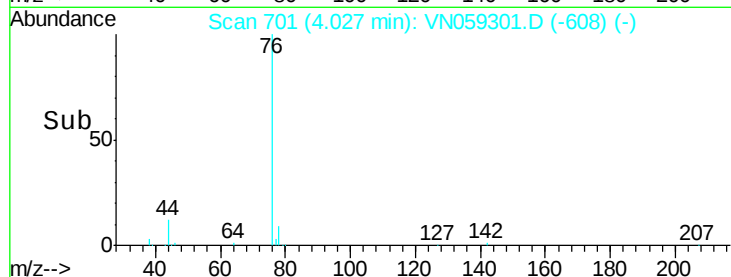
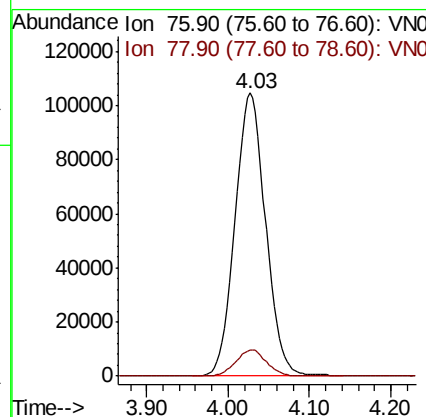
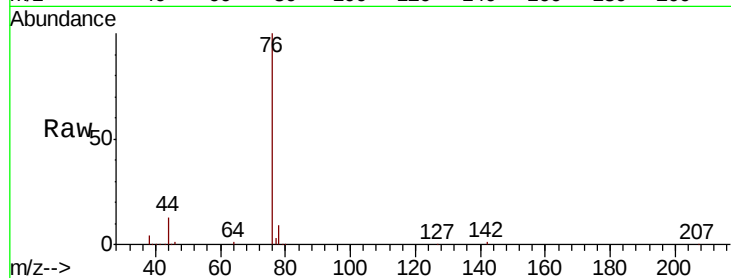
#17
Carbon Disulfide
Concen: 24.718 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS01

Tot Ion: 76 Resp: 273607
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0

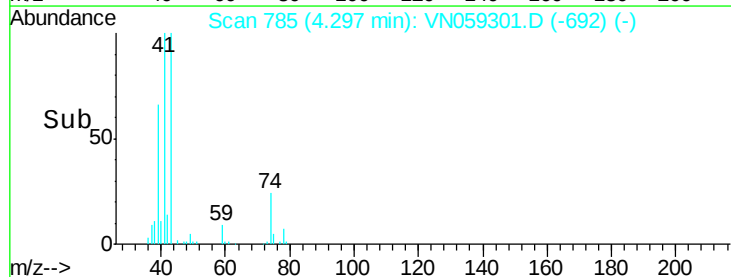
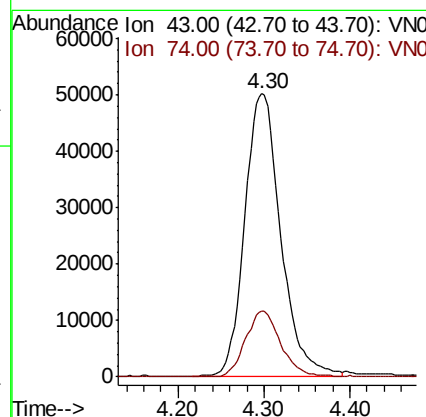
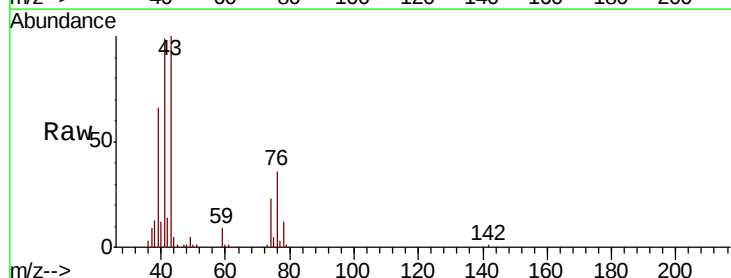
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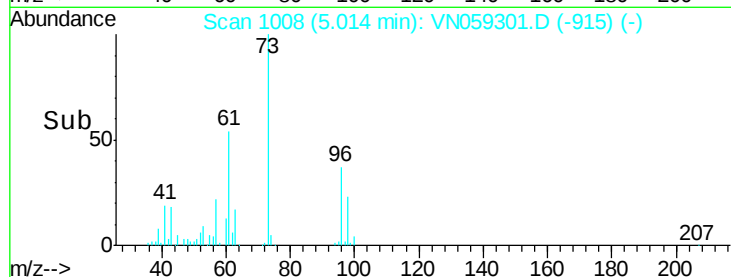
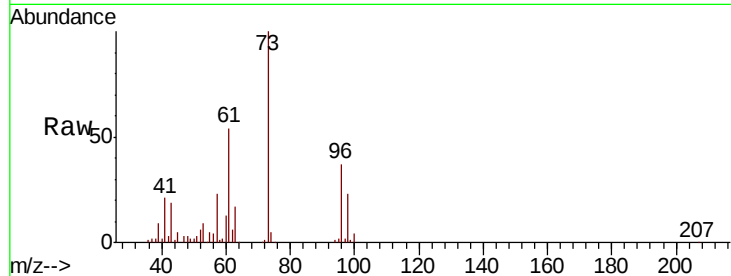
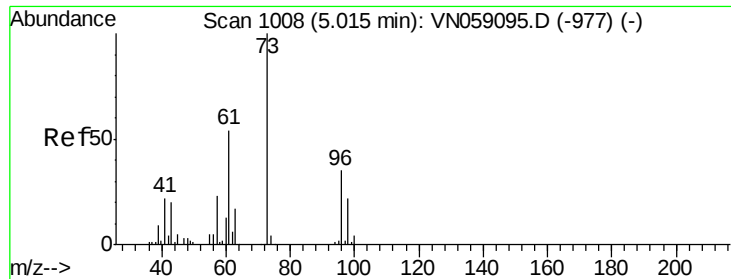
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#18
Methyl Acetate
Concen: 25.285 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

Tgt Ion: 43 Resp: 146654
Ion Ratio Lower Upper
43 100
74 22.6 17.8 26.8





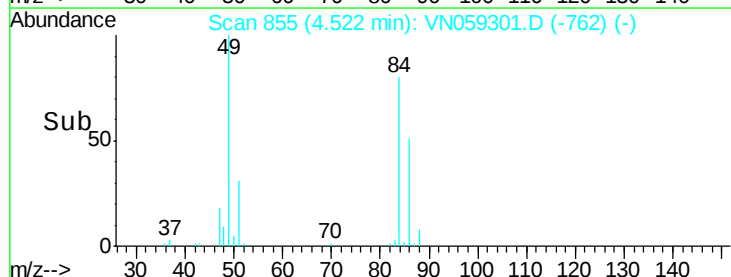
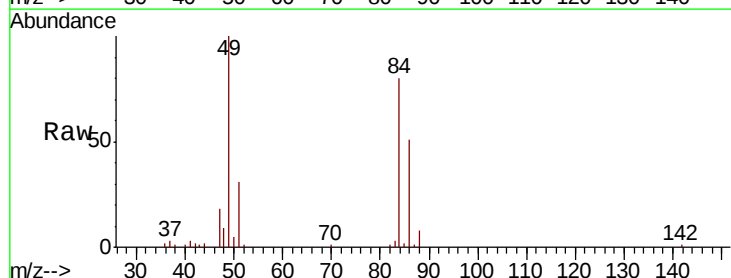
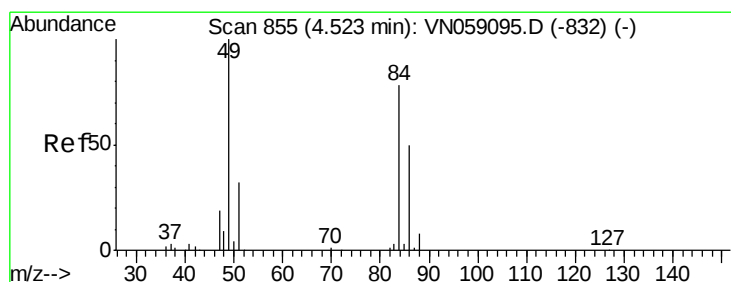
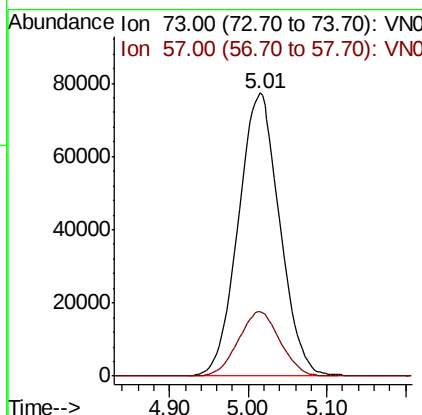
#19
Methvl tert-butvl Ether
Concen: 23.272 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

Tot Ion: 73 Resp: 285703
Ion Ratio Lower Upper
73 100
57 22.8 18.4 27.6

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS01

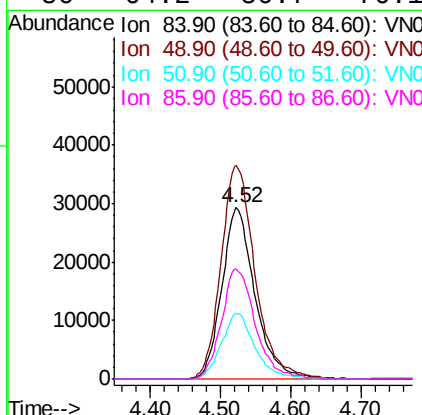
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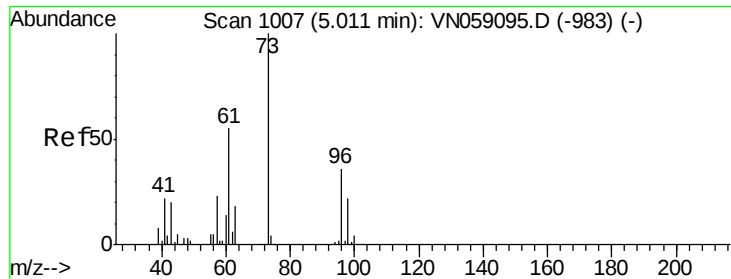
MMDadoda
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#20
Methylene Chloride
Concen: 22.611 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

Tgt Ion: 84 Resp: 96255
Ion Ratio Lower Upper
84 100
49 125.0 102.0 153.0
51 38.5 32.2 48.2
86 64.2 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 24.119 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS01

Tot Ion: 96 Resp: 92319

Ion Ratio Lower Upper

96 100

61 144.2 122.6 183.8

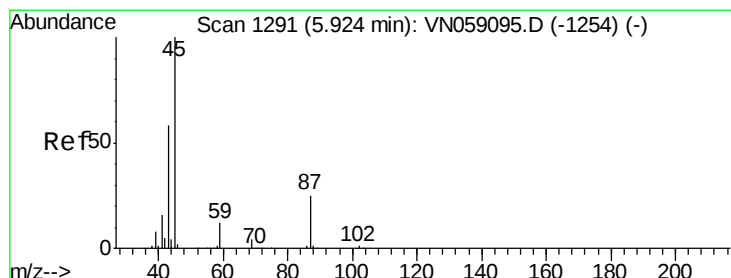
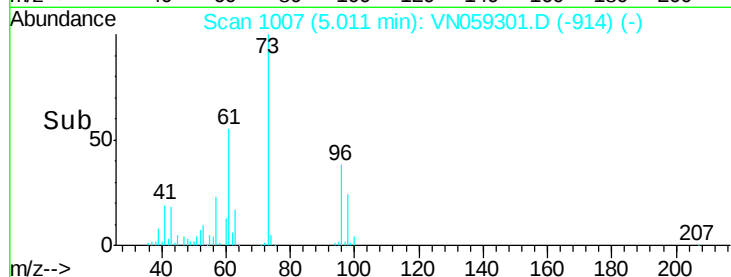
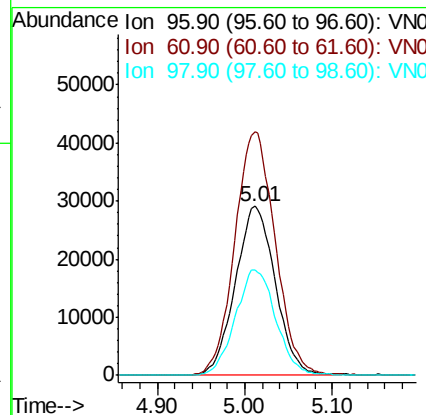
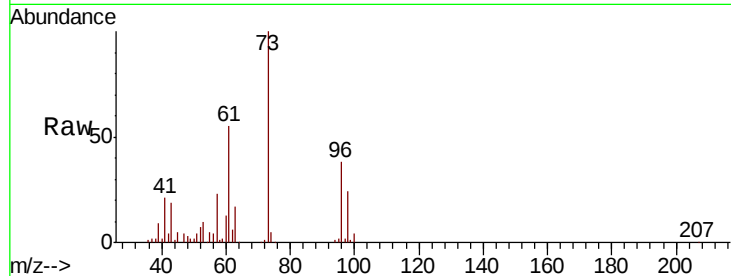
98 62.4 50.3 75.5

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#22

Diisopropyl ether

Concen: 22.460 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Tgt Ion: 45 Resp: 310741

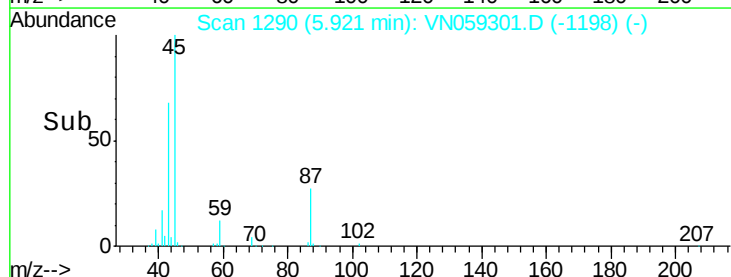
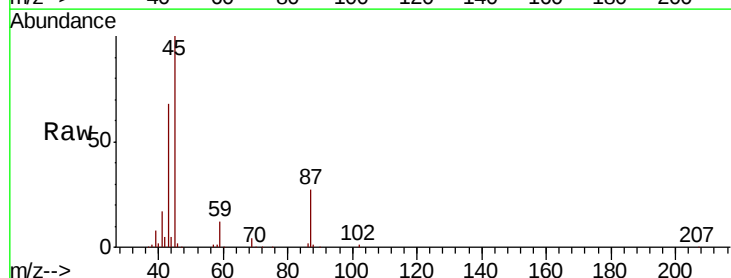
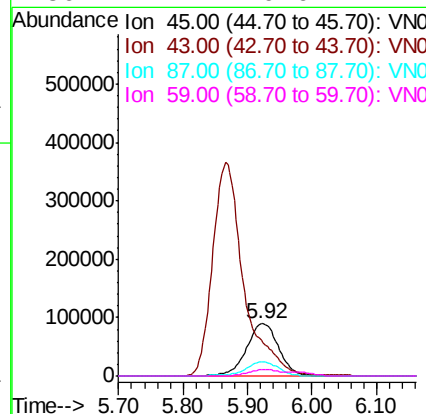
Ion Ratio Lower Upper

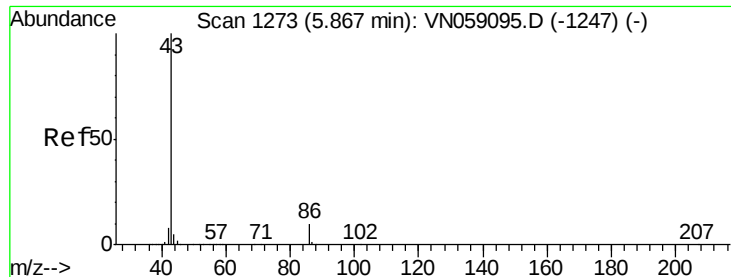
45 100

43 66.4 46.7 70.1

87 26.6 20.5 30.7

59 11.7 9.6 14.4





#23

Vinyl Acetate

Concen: 115.418 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS01

Tot Ion: 43 Resp: 1237583

Ion Ratio Lower Upper

43 100

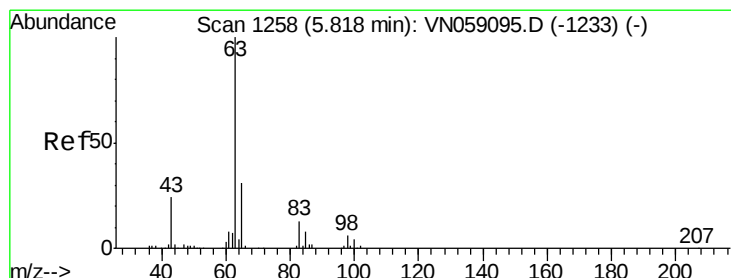
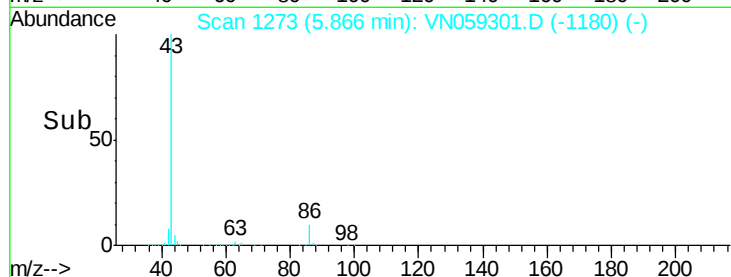
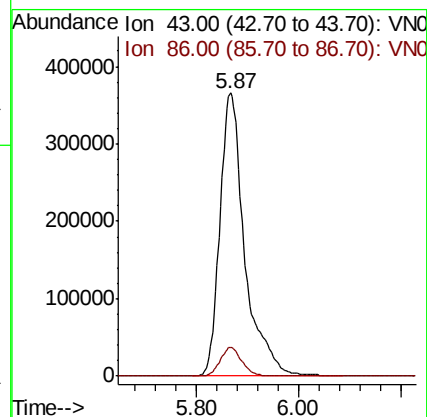
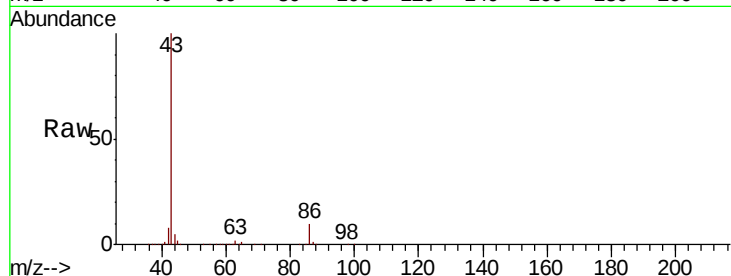
86 10.1 7.7 11.5

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#24

1,1-Dichloroethane

Concen: 22.848 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

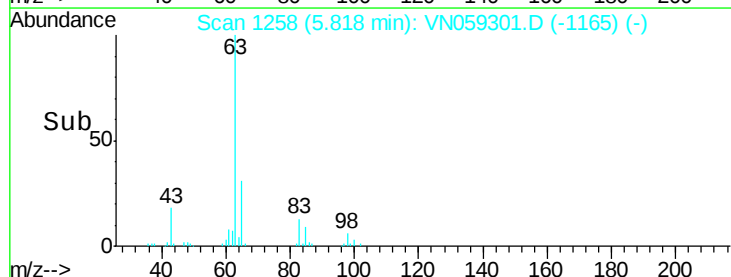
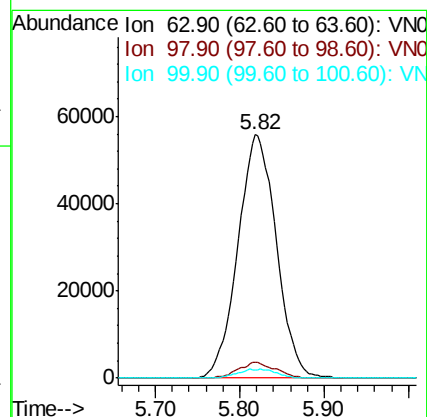
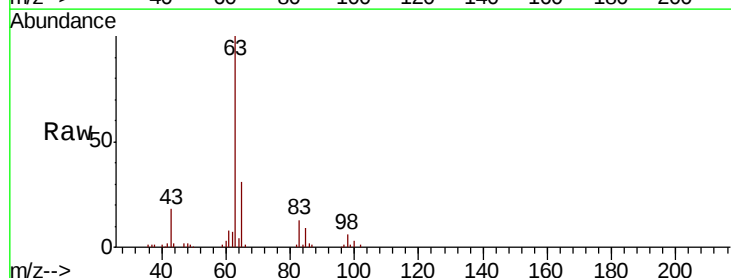
Tgt Ion: 63 Resp: 176557

Ion Ratio Lower Upper

63 100

98 6.5 2.8 8.4

100 3.4 1.9 5.7





#25

2-Butanone

Concen: 102.983 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS01

Tot Ion: 43 Resp: 331649

Ion Ratio Lower Upper

43 100

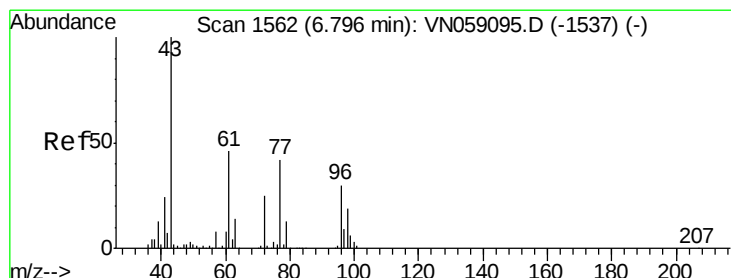
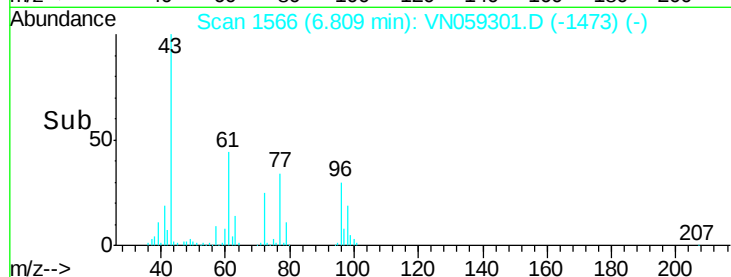
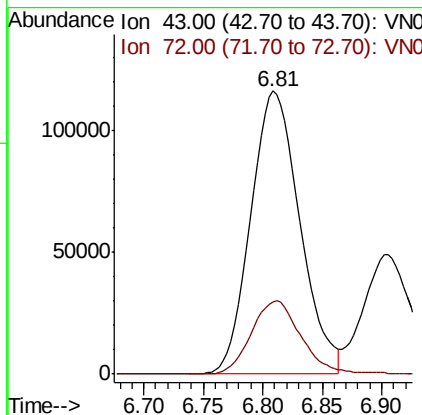
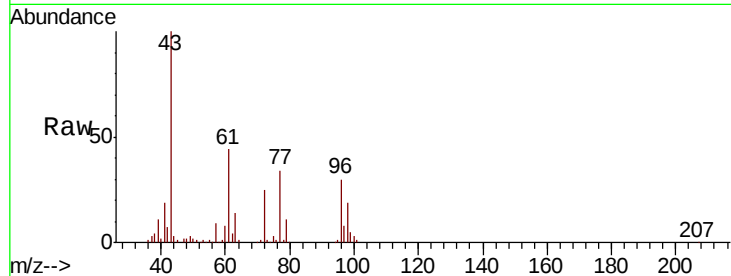
72 25.4 20.3 30.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.717 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059301.D

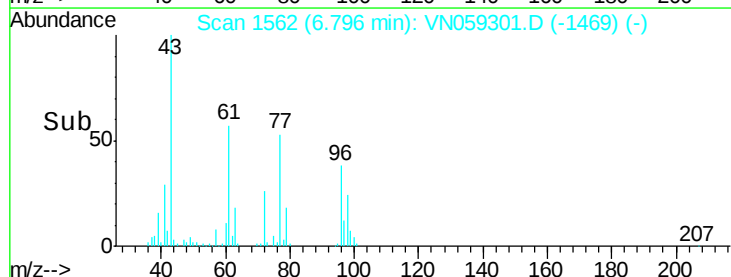
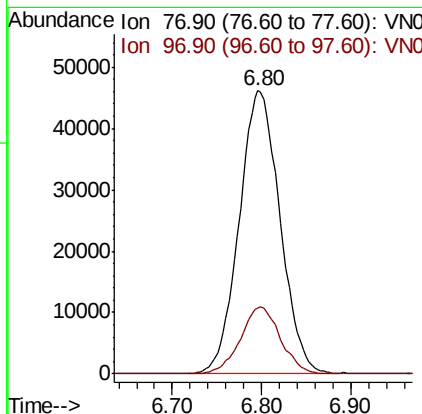
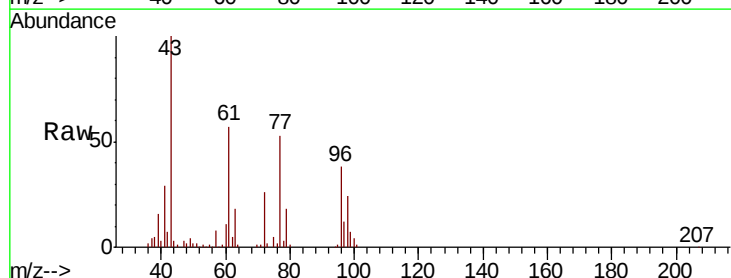
Acq: 19 Nov 2019 12:45

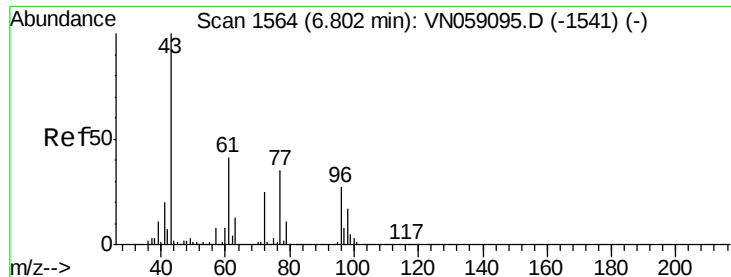
Tgt Ion: 77 Resp: 146737

Ion Ratio Lower Upper

77 100

97 23.1 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 23.246 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

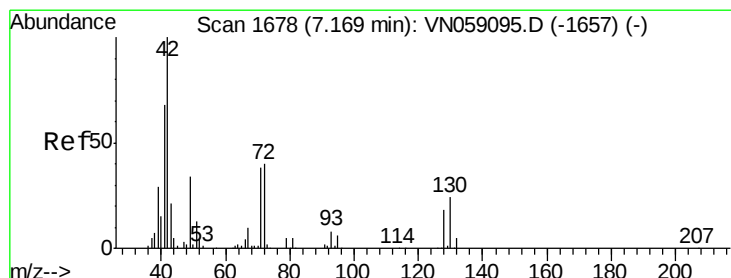
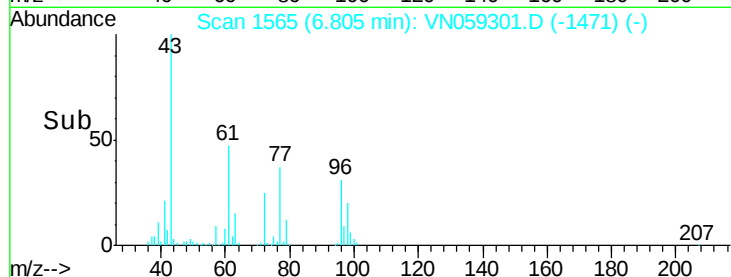
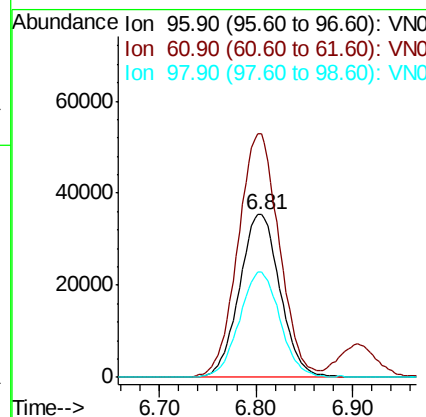
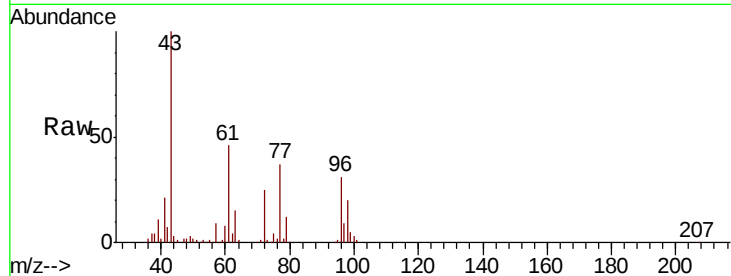
ClientSampleId :

VN1119MBS01

Tot Ion:	96	Resp:	103225
Ion Ratio	Lower	Upper	
96	100		
61	151.9	0.0	311.6
98	64.6	0.0	129.8

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#28

Bromochloromethane

Concen: 17.942 ug/l

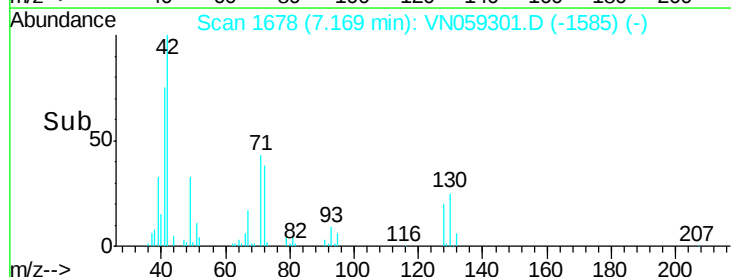
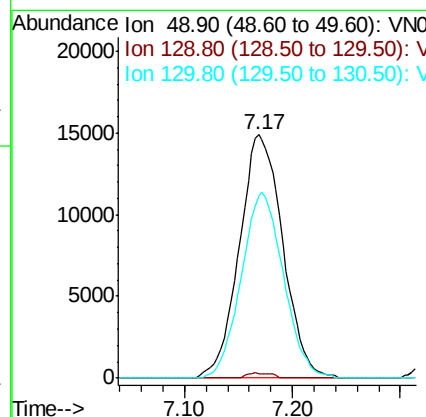
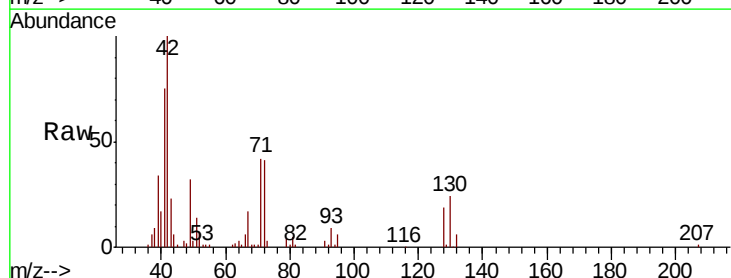
RT: 7.17 min Scan# 1678

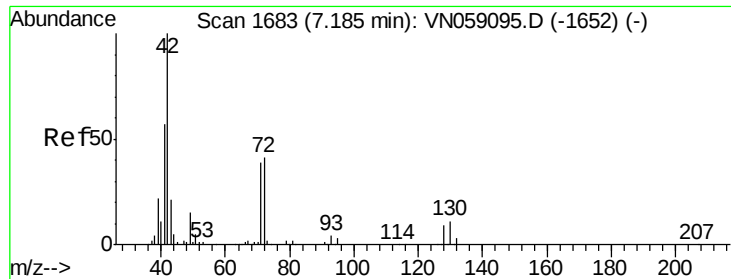
Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Tgt Ion:	49	Resp:	41712
Ion Ratio	Lower	Upper	
49	100		
129	0.8	0.0	3.8
130	73.8	55.6	83.4





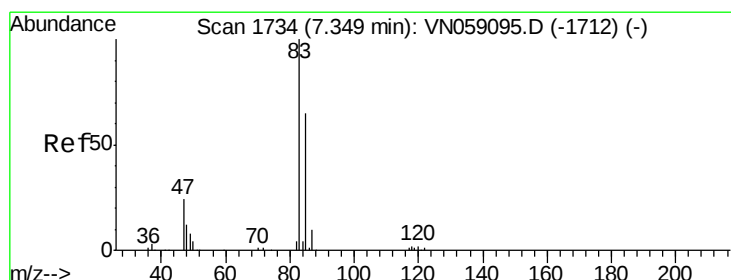
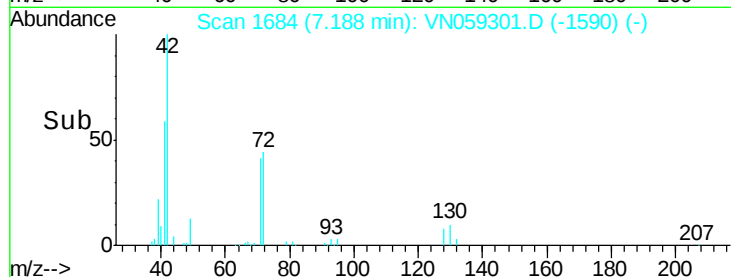
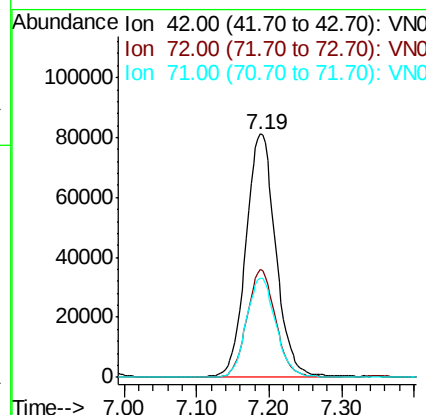
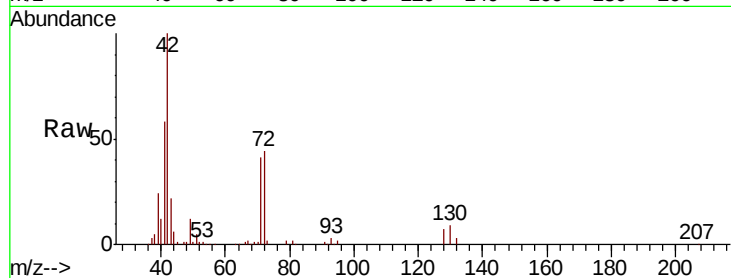
#29
Tetrahydrofuran
Concen: 114.075 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	33.1	49.7
71	40.2	30.9	46.3

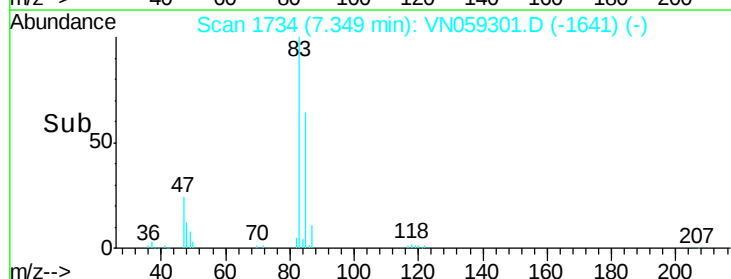
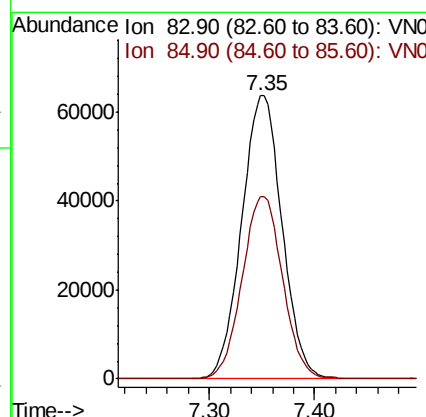
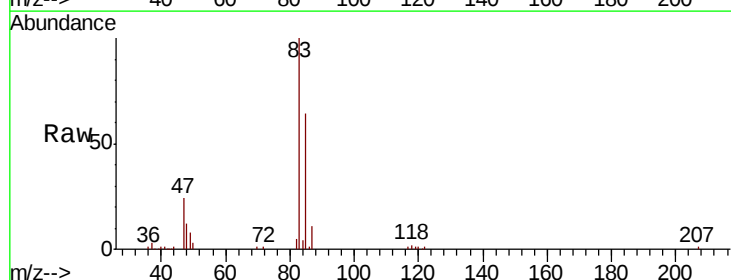
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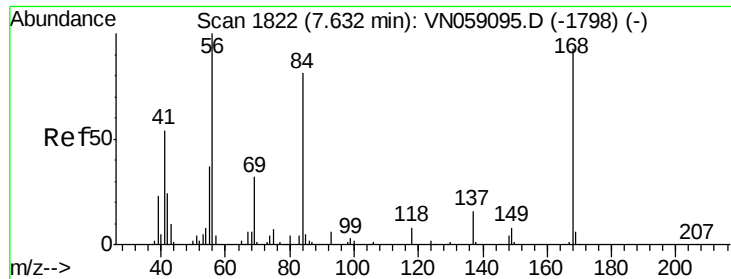
MMDadoda
11/20/2019 1:37:28 PM



#30
Chloroform
Concen: 22.853 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.8	77.8





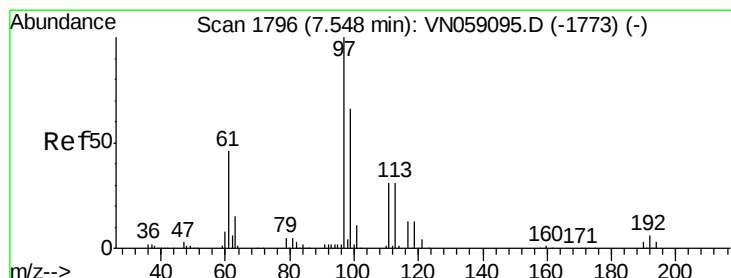
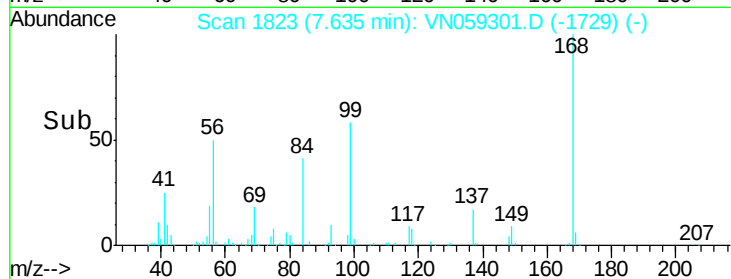
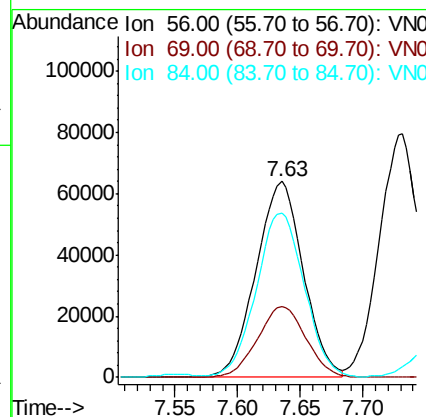
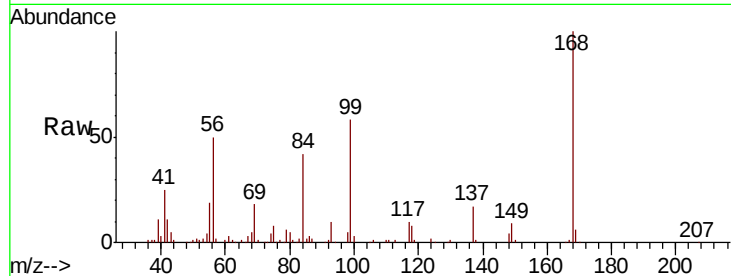
#31
Cyclohexane
Concen: 22.967 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

Instrument :
MSVOA_N
ClientSampled :
VN1119MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.3	25.8	38.8
84	83.1	65.0	97.4

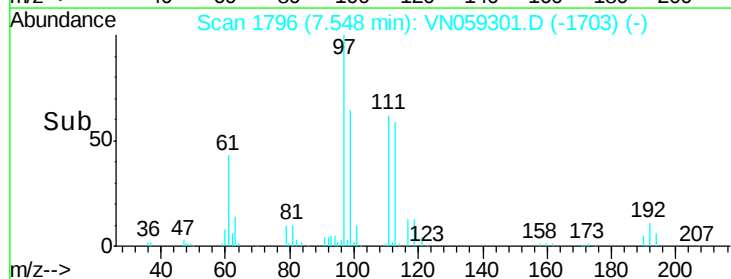
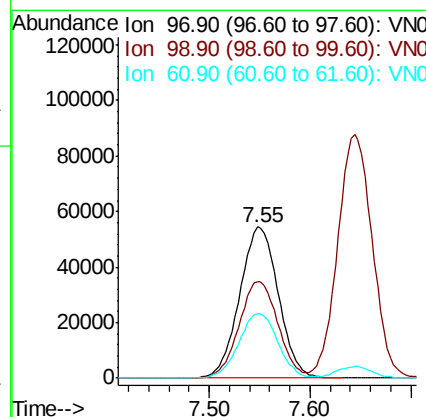
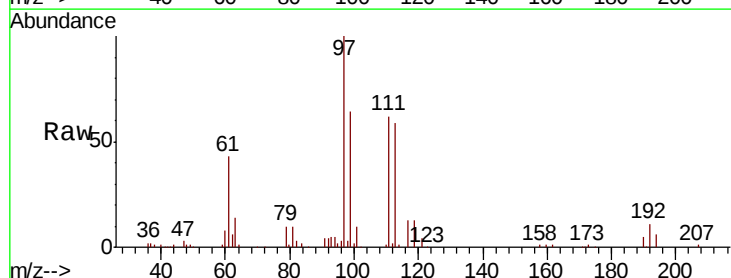
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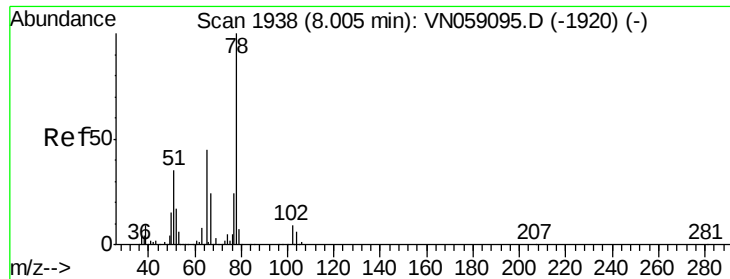
MMDadoda
11/20/2019 1:37:28 PM



#32
1,1,1-Trichloroethane
Concen: 23.233 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.0	76.6
61	43.4	35.8	53.8





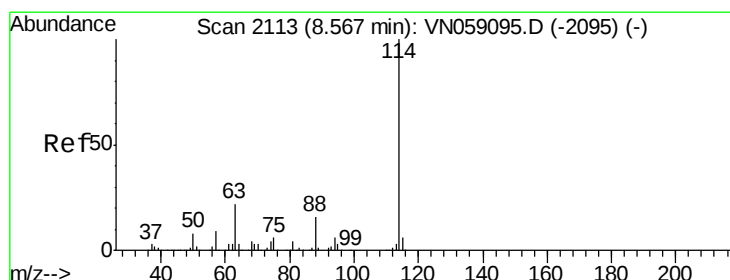
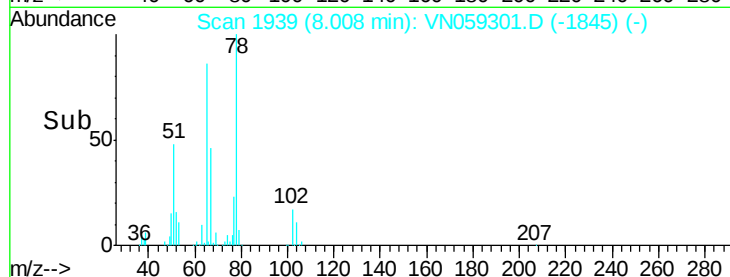
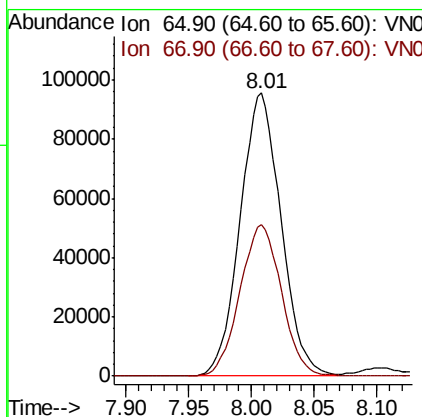
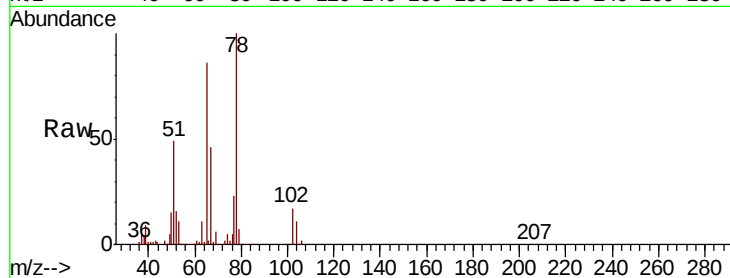
#33
 1,2-Dichloroethane-d4
 Concen: 46.246 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059301.D
 Acq: 19 Nov 2019 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119MBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	107.4

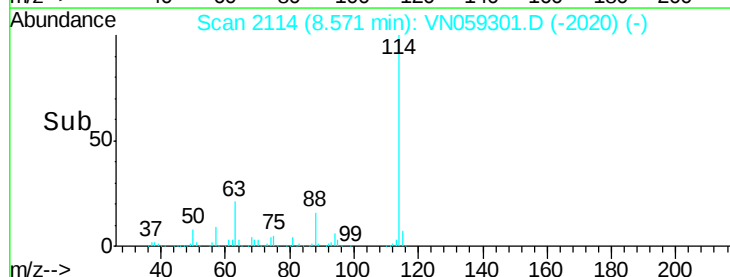
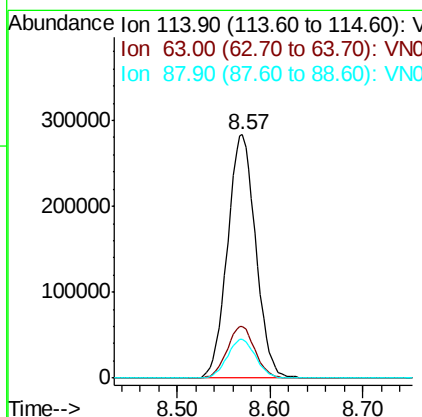
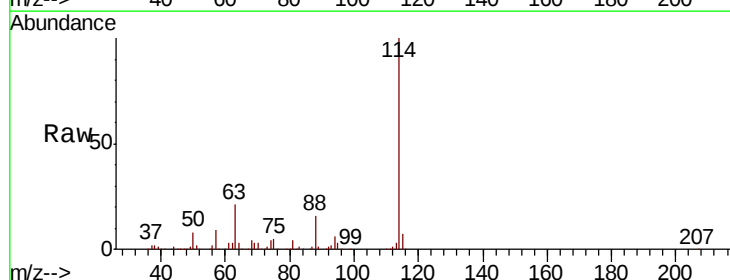
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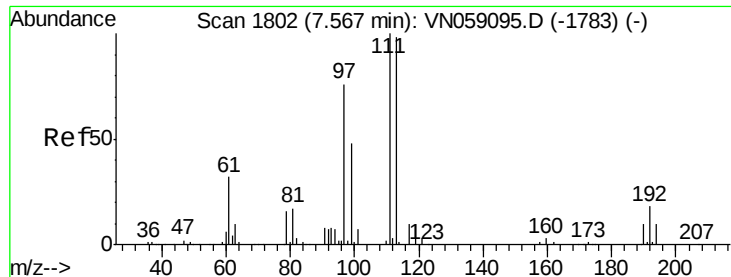
MMDadoda
 11/20/2019 1:37:28 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059301.D
 Acq: 19 Nov 2019 12:45

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	43.4
88	15.8	0.0	32.2





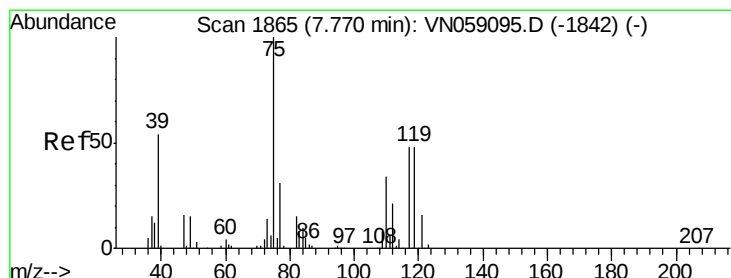
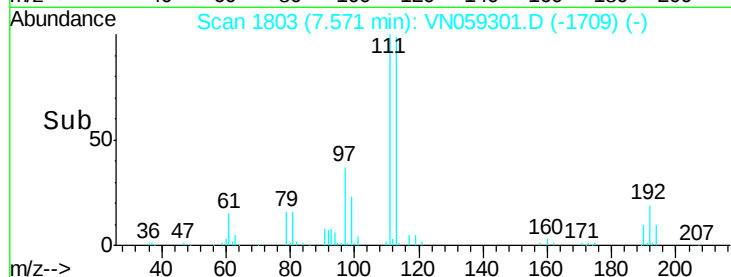
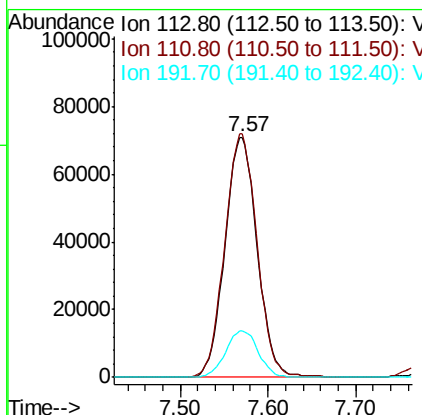
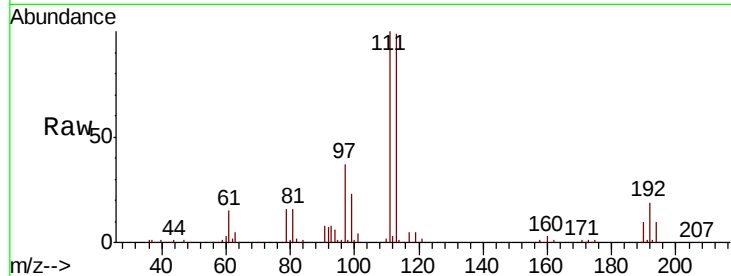
#35
Dibromofluoromethane
Concen: 50.853 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	181278		
111	101.3	82.8	124.2	
192	19.7	16.1	24.1	

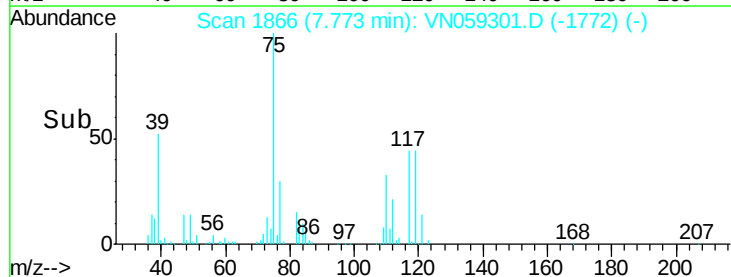
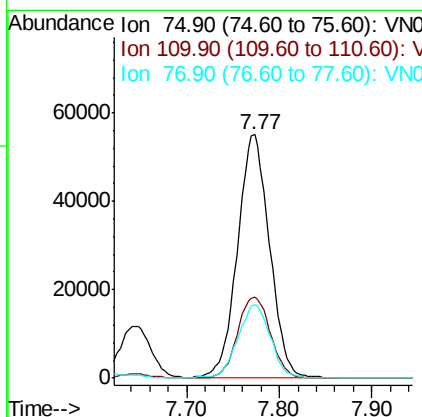
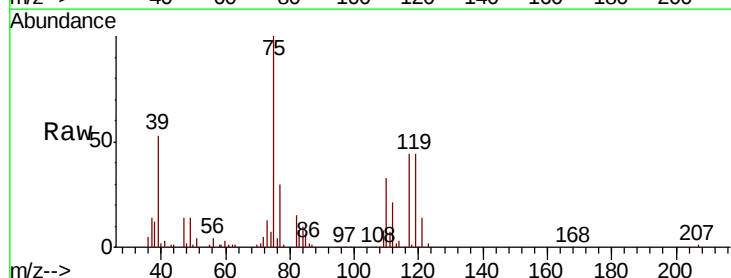
Manual Integrations
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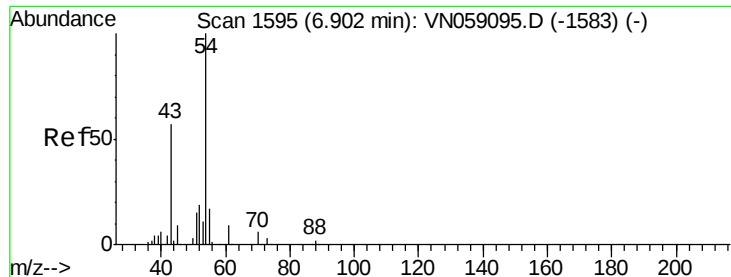
MMDadoda
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#36
1,1-Dichloropropene
Concen: 23.717 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	132347		
110	34.0	17.1	51.2	
77	30.7	24.8	37.2	





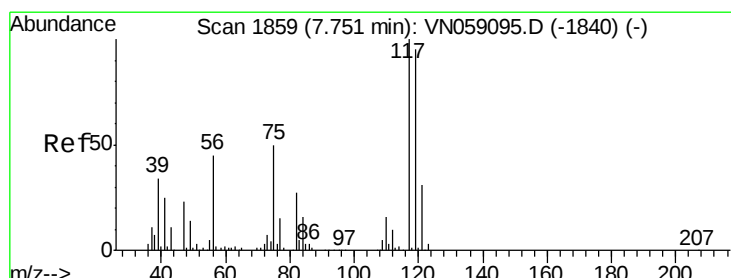
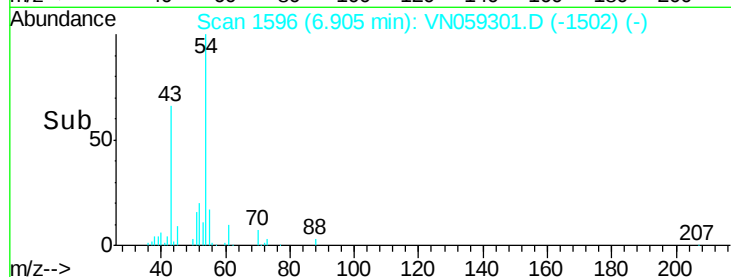
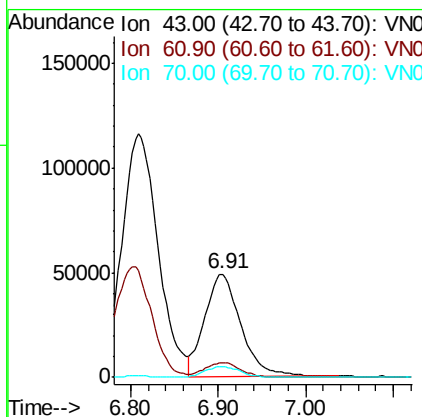
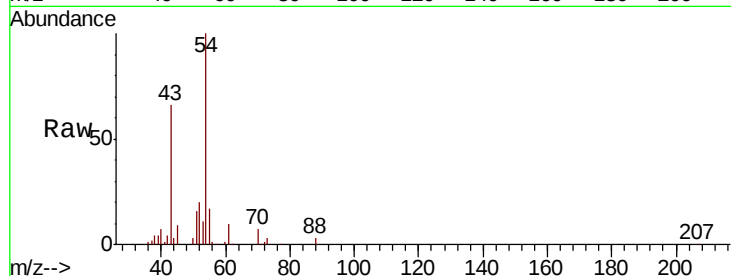
#37
Ethyl Acetate
Concen: 22.590 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.2	16.8
70	10.3	7.8	11.8

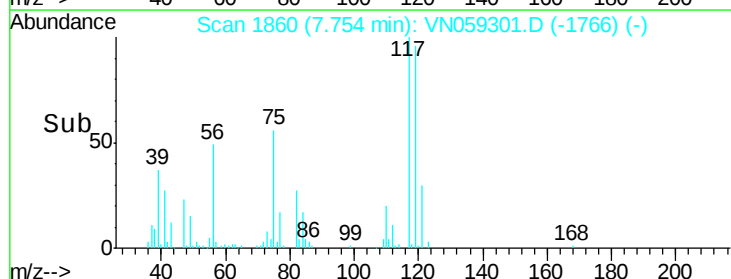
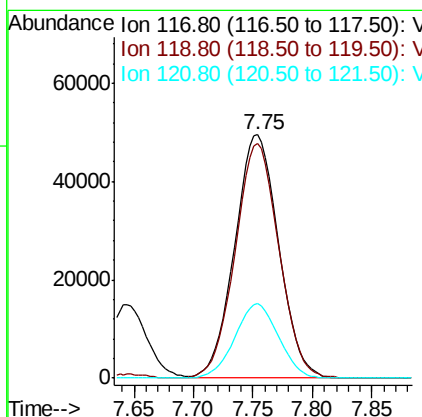
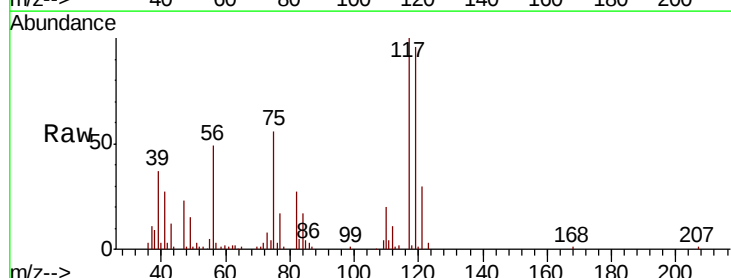
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#38
Carbon Tetrachloride
Concen: 22.796 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	75.6	113.4
121	30.5	24.6	36.8





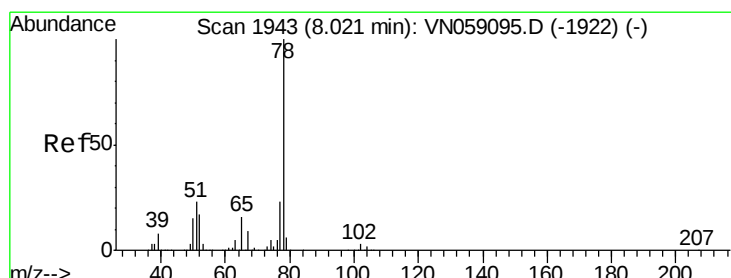
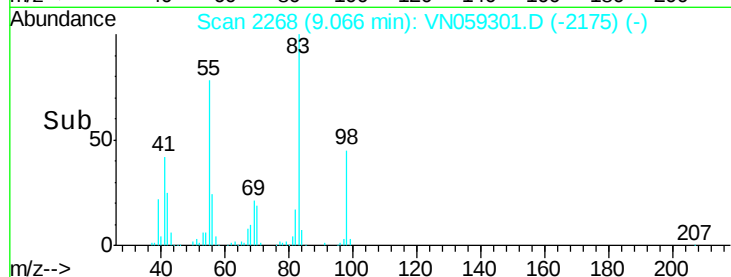
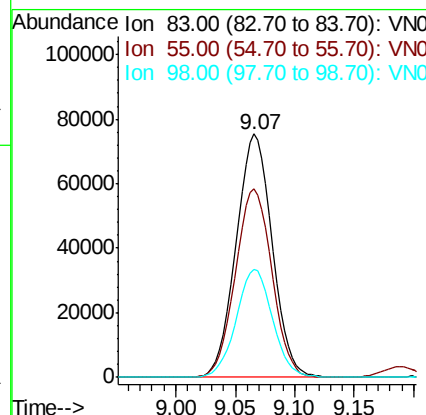
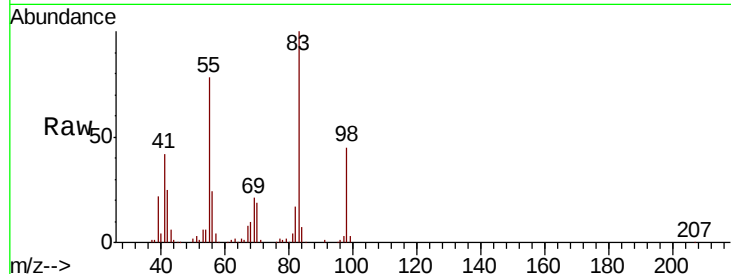
#39
Methvlcvclohexane
Concen: 24.447 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	77.6	63.9	95.9	
98	44.5	35.6	53.4	

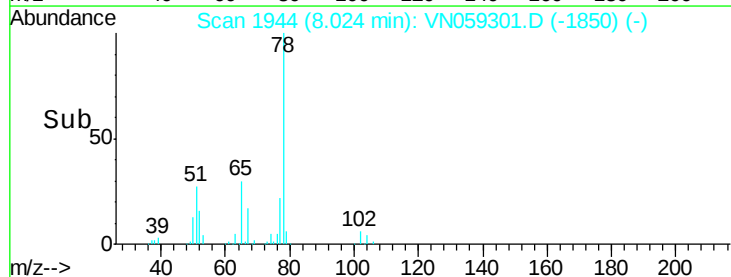
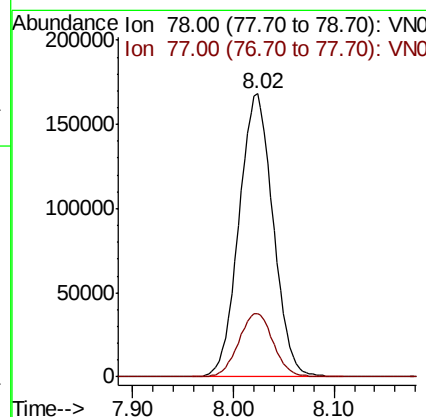
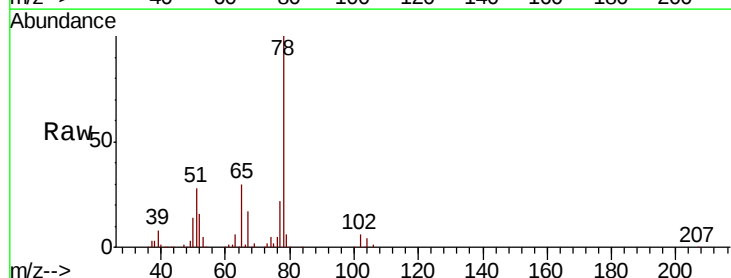
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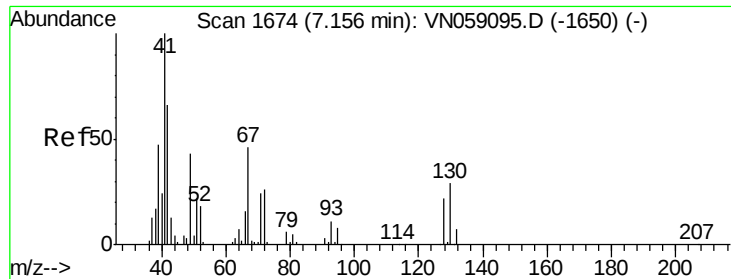
MMDadoda
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#40
Benzene
Concen: 23.487 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	22.4	18.8	28.2	





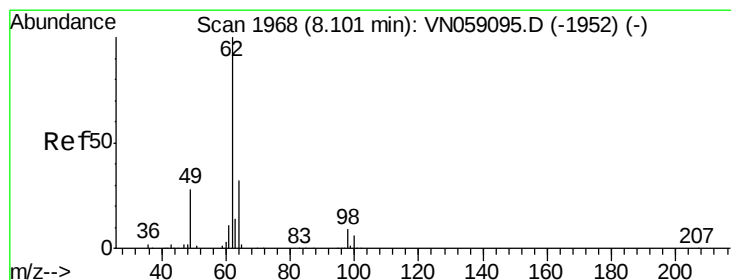
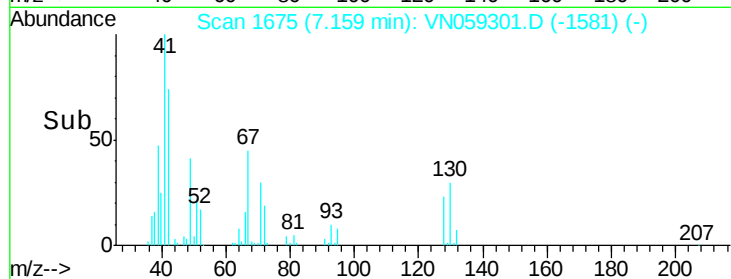
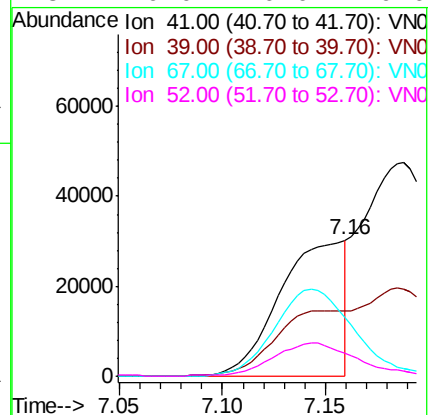
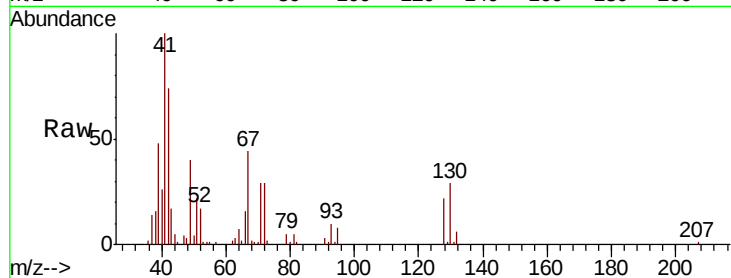
#41
Methacrylonitrile
Concen: 24.405 ug/l m
RT: 7.16 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

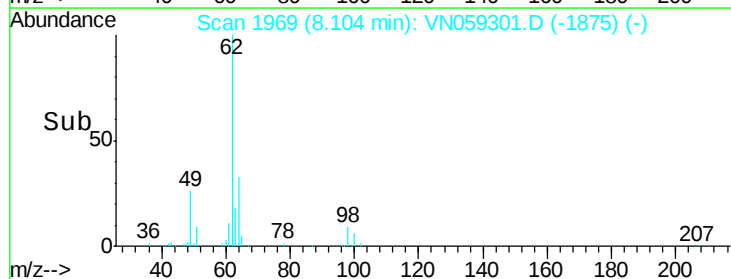
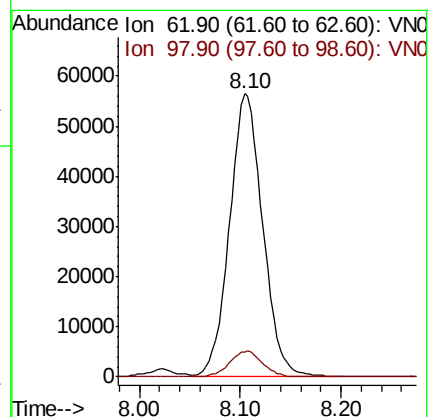
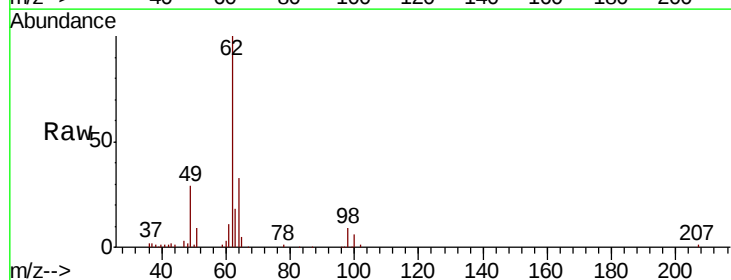
Manual Integrations
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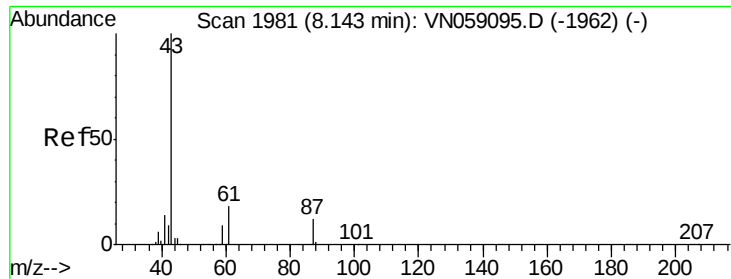
MMDadoda
11/20/2019 1:37:28 PM



#42
1,2-Dichloroethane
Concen: 22.460 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.8





#43

Isopropyl Acetate

Concen: 21.984 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

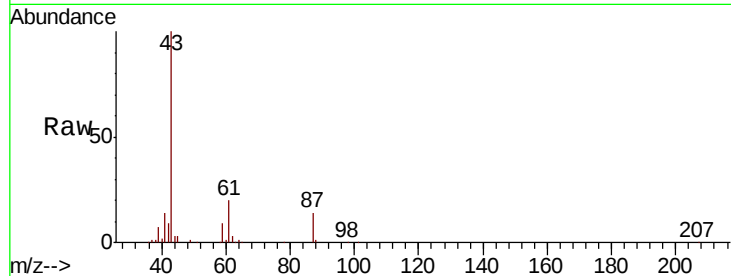
ClientSampleId :

VN1119MBS01

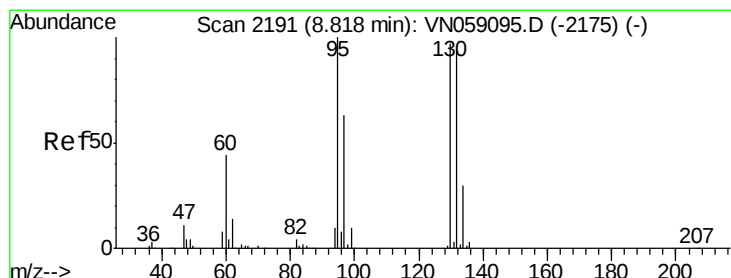
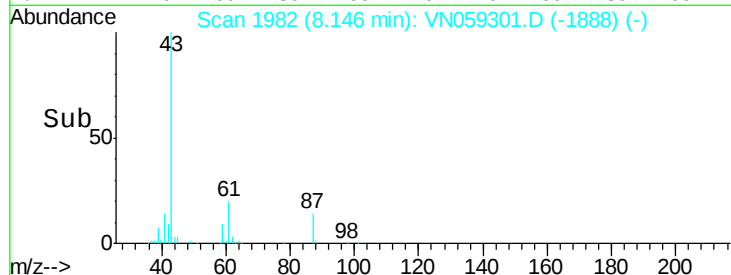
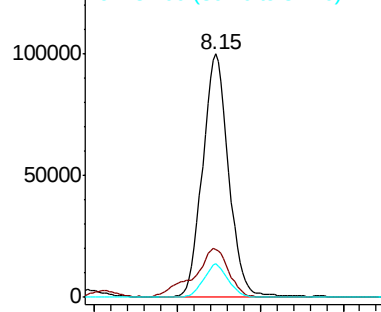
Tot Ion	43	Resp	217581
Ion Ratio	Lower	Upper	
43	100		
61	27.1	21.0	31.6
87	13.0	9.8	14.6

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Abundance Ion 43.00 (42.70 to 43.70): VN059095.D (-1962) (-)



#44

Trichloroethene

Concen: 23.637 ug/l

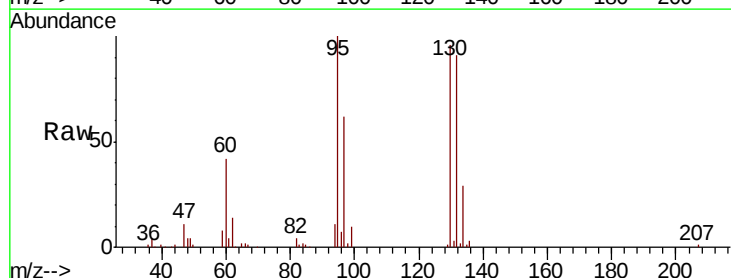
RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

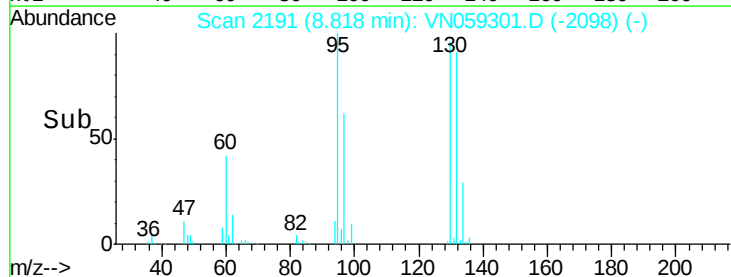
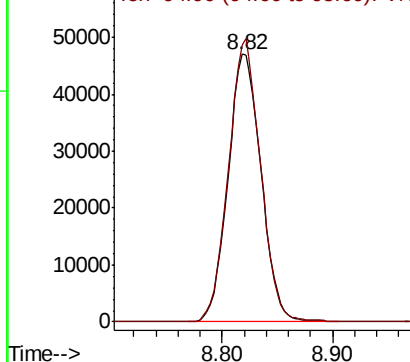
Lab File: VN059301.D

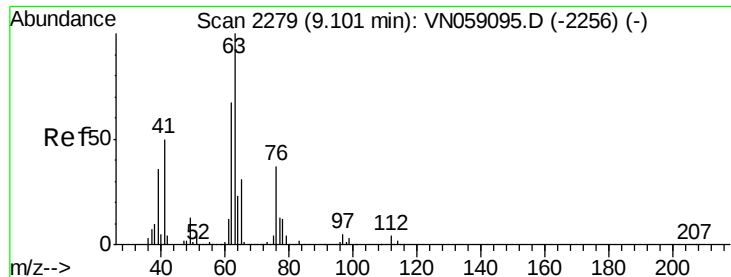
Acq: 19 Nov 2019 12:45

Tgt Ion	130	Resp	97639
Ion Ratio	Lower	Upper	
130	100		
95	103.7	0.0	206.4



Abundance Ion 129.80 (129.50 to 130.50): VN059095.D (-2175) (-)





#45

1,2-Dichloropropane

Concen: 22.809 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS01

Tot Ion: 63 Resp: 104108

Ion Ratio Lower Upper

63 100

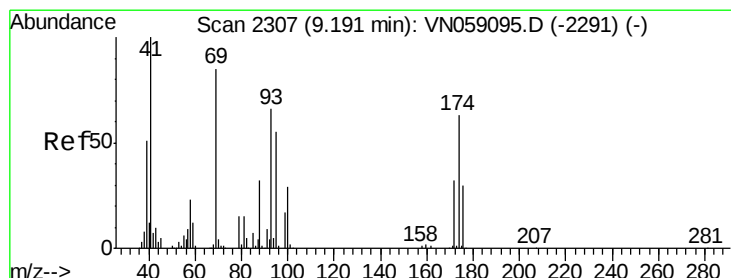
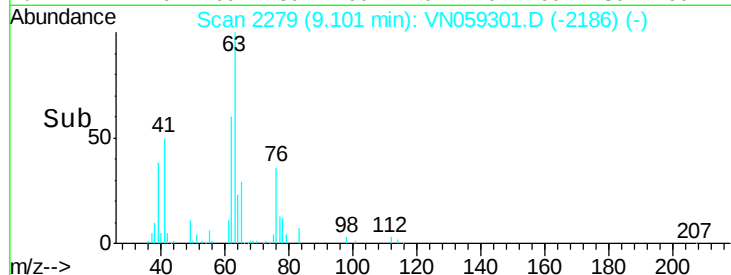
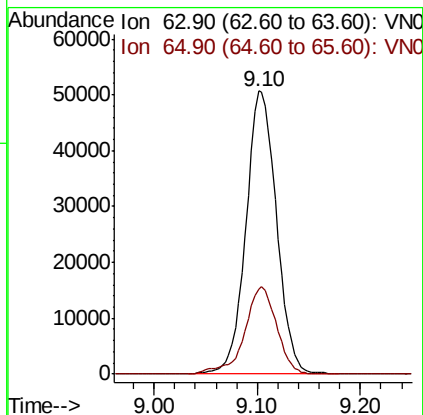
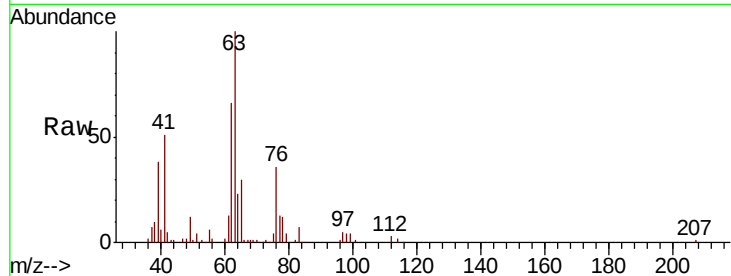
65 30.0 24.6 37.0

Manual Integrations

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#46

Dibromomethane

Concen: 22.768 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

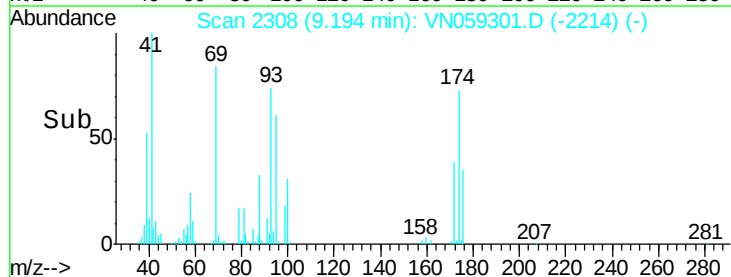
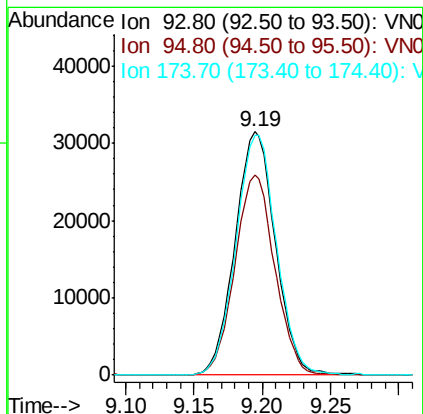
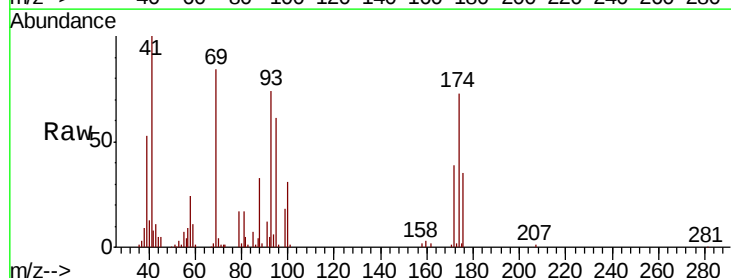
Tgt Ion: 93 Resp: 64758

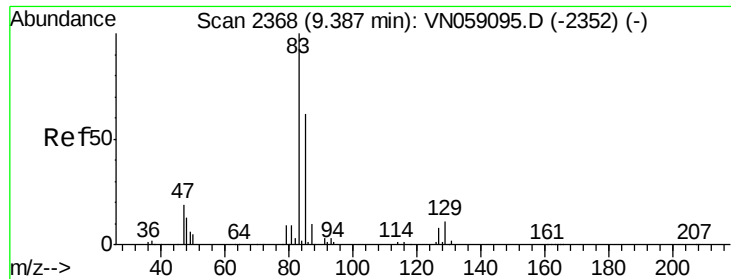
Ion Ratio Lower Upper

93 100

95 81.3 66.6 100.0

174 99.0 78.2 117.2





#47

Bromodichloromethane

Concen: 22.196 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

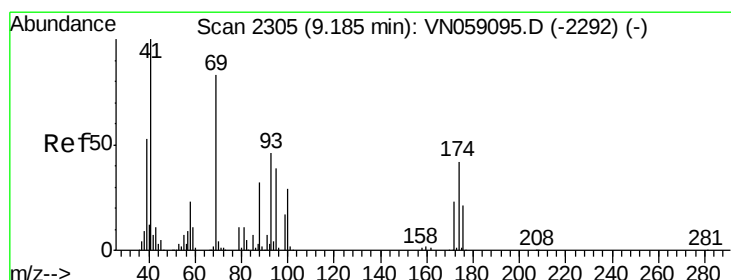
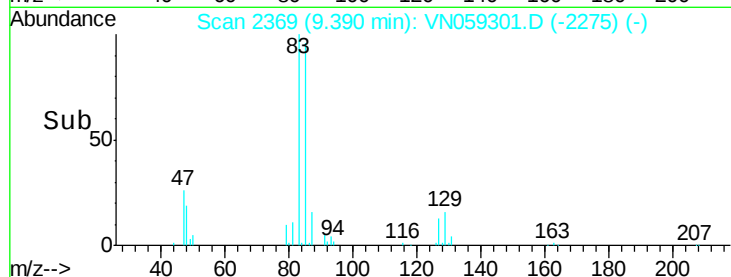
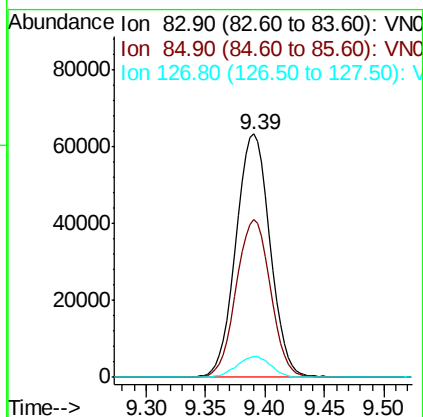
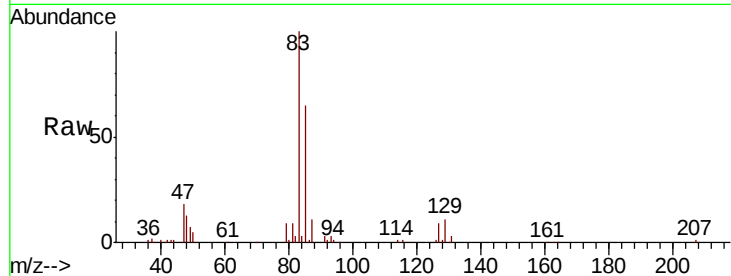
ClientSampleId :

VN1119MBS01

Tot Ion:	83	Resp:	126063
Ion	Ratio	Lower	Upper
83	100		
85	64.9	49.7	74.5
127	8.7	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.670 ug/l

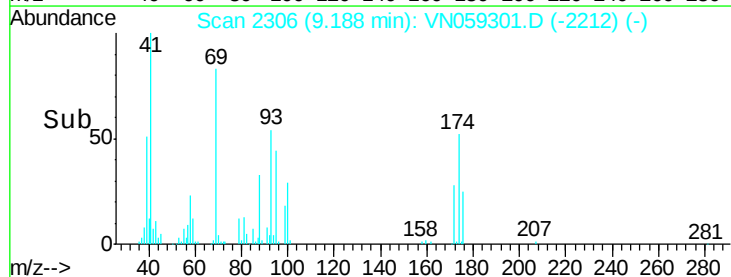
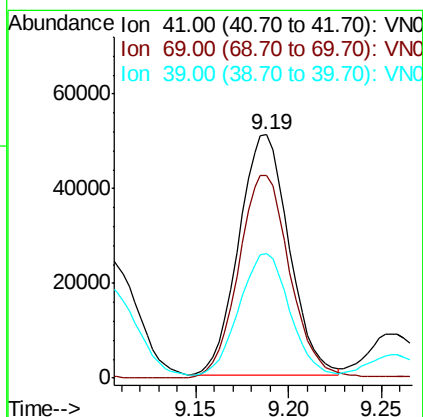
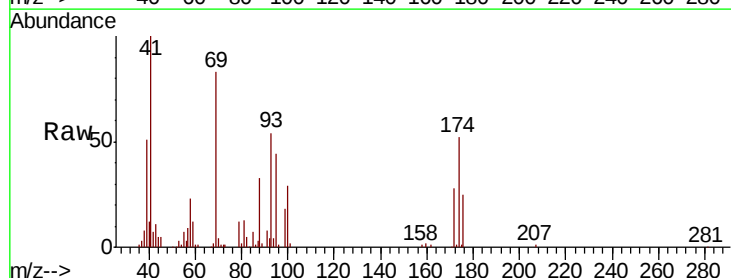
RT: 9.19 min Scan# 2306

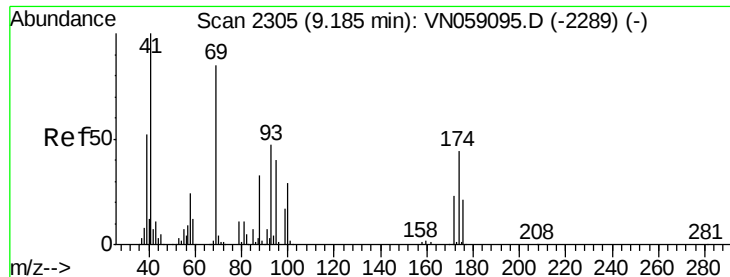
Delta R.T. 0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Tgt Ion:	41	Resp:	95931
Ion	Ratio	Lower	Upper
41	100		
69	87.1	67.3	100.9
39	52.5	43.3	64.9





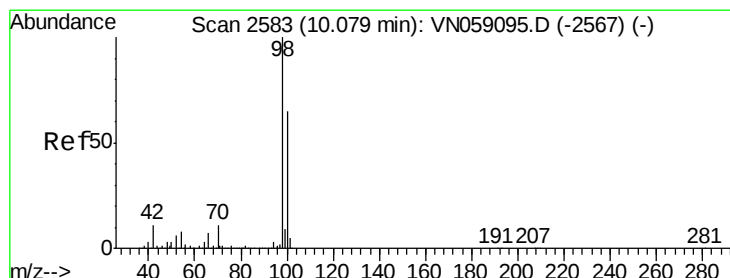
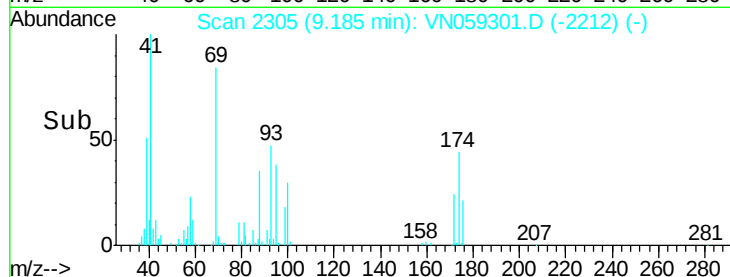
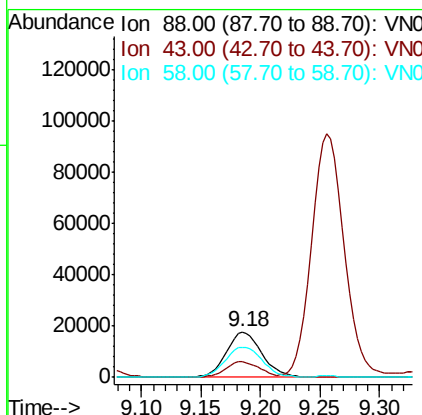
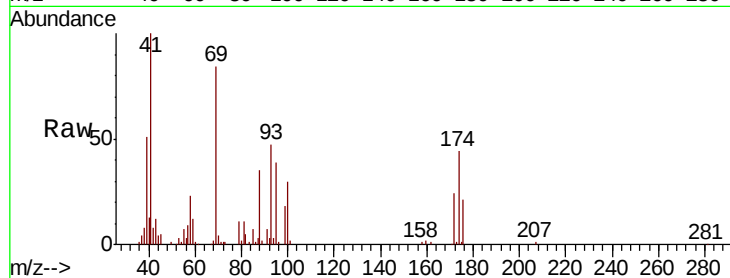
#49
1,4-Dioxane
Concen: 466.244 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.9	26.3	39.5
58	69.6	60.6	90.8

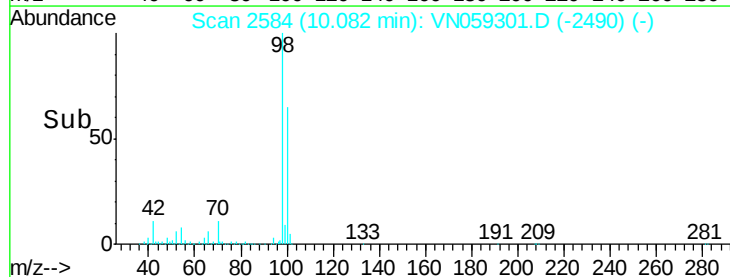
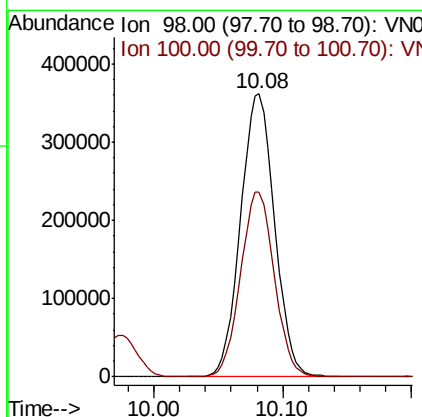
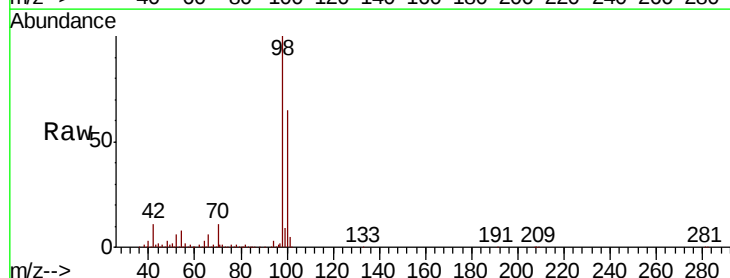
Manual Integrations
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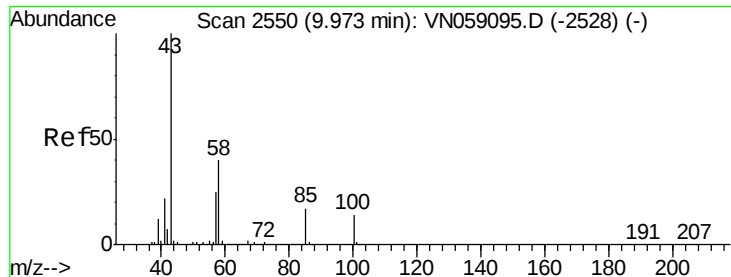
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#50
Toluene-d8
Concen: 47.395 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 119.371 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS01

Tot Ion: 43 Resp: 668481

Ion Ratio Lower Upper

43 100

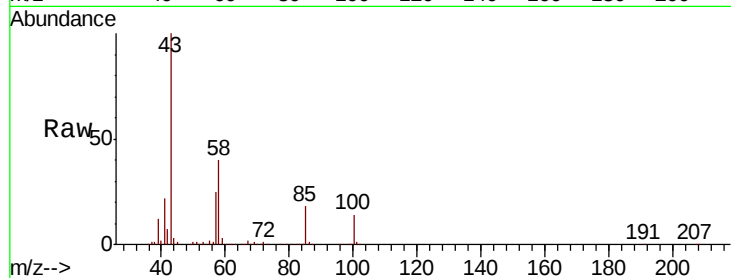
58 39.9 31.5 47.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

400000

300000

200000

100000

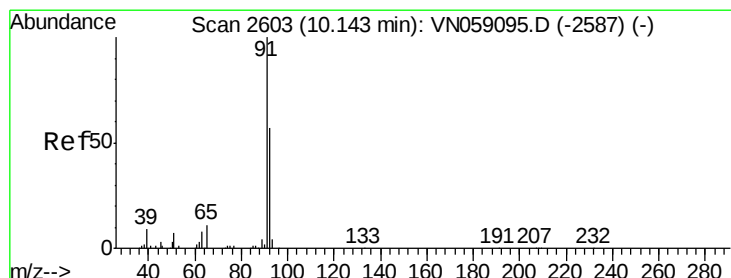
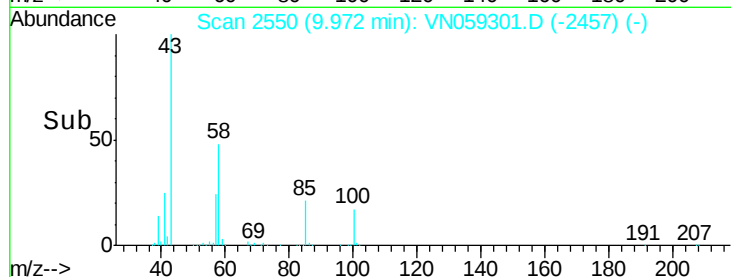
0

9.90

9.97

10.00

Time-->



#52

Toluene

Concen: 23.662 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059301.D

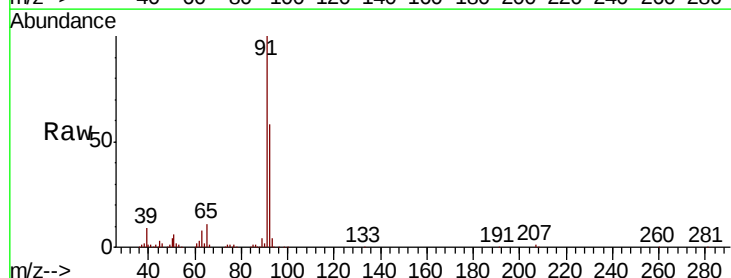
Acq: 19 Nov 2019 12:45

Tgt Ion: 92 Resp: 238323

Ion Ratio Lower Upper

92 100

91 172.2 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

250000

200000

150000

100000

50000

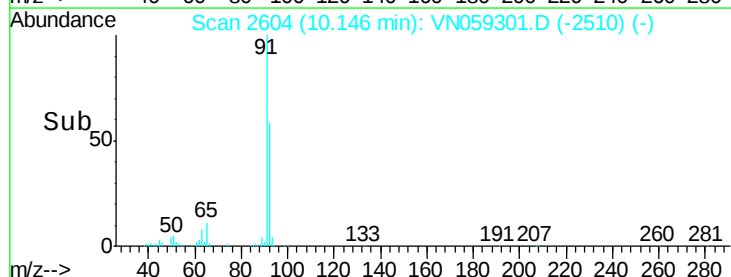
0

10.10

10.15

10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 22.301 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS01

Tot Ion: 75 Resp: 146336

Ion Ratio Lower Upper

75 100

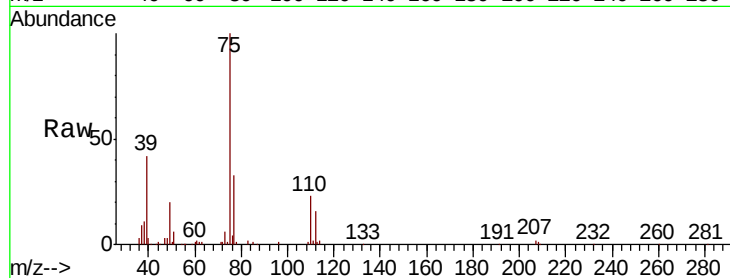
77 32.1 25.3 37.9

Manual Integrations

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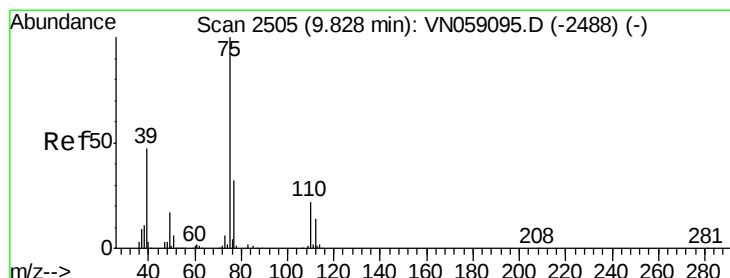
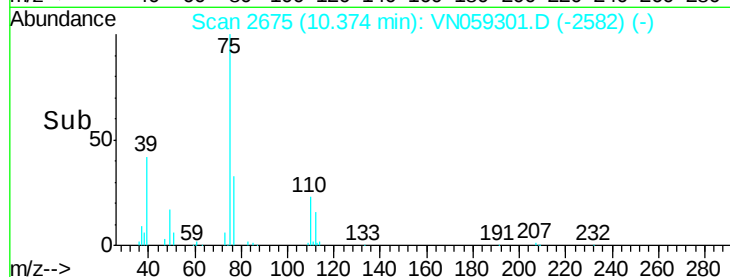
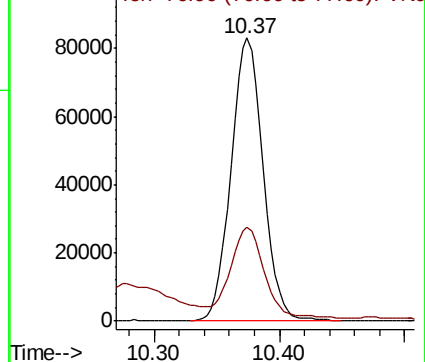
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 22.690 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

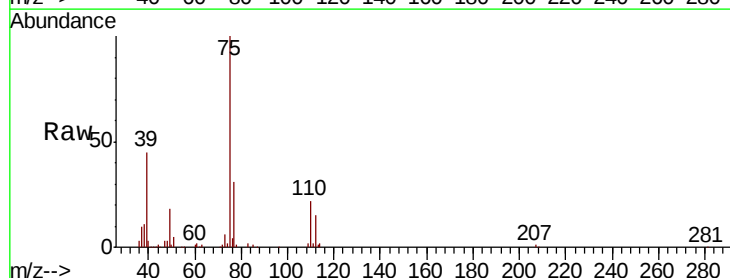
Tgt Ion: 75 Resp: 160156

Ion Ratio Lower Upper

75 100

77 31.2 25.5 38.3

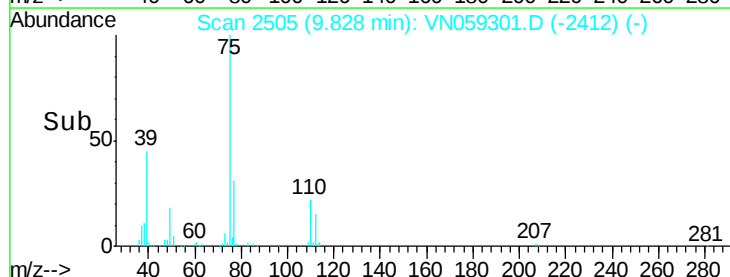
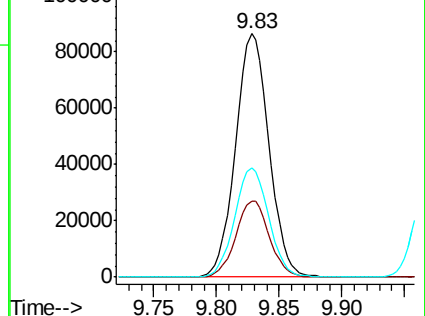
39 44.7 37.3 55.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 22.579 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS01

Tot Ion: 97 Resp: 92038

Ion Ratio Lower Upper

97 100

83 88.2 71.0 106.4

85 58.6 45.8 68.8

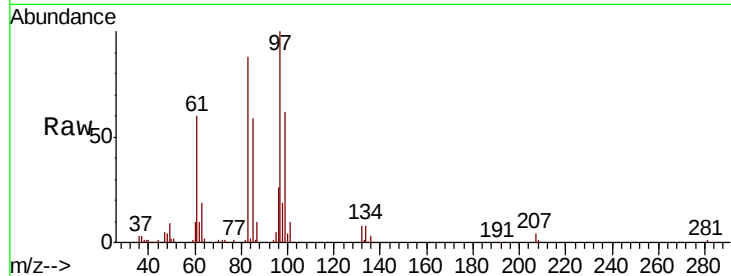
99 62.1 49.4 74.0

Manual Integrations

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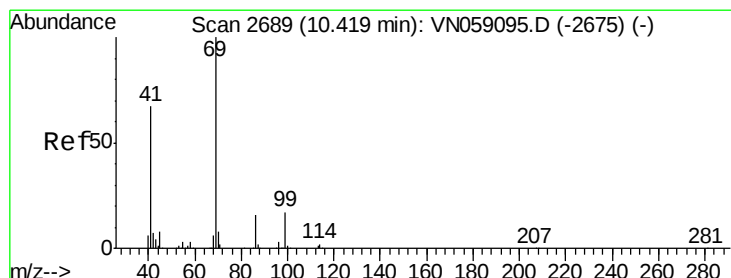
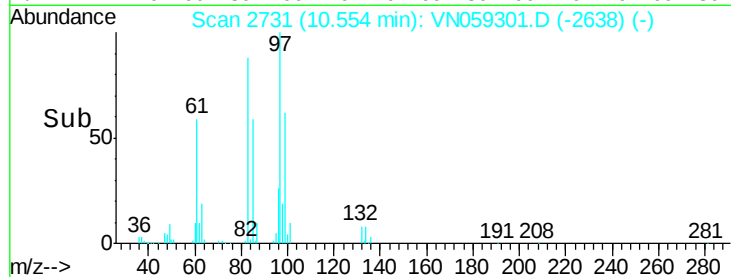
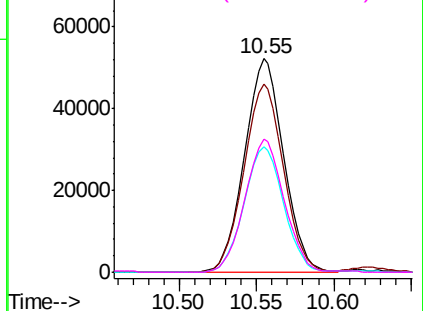


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 21.480 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

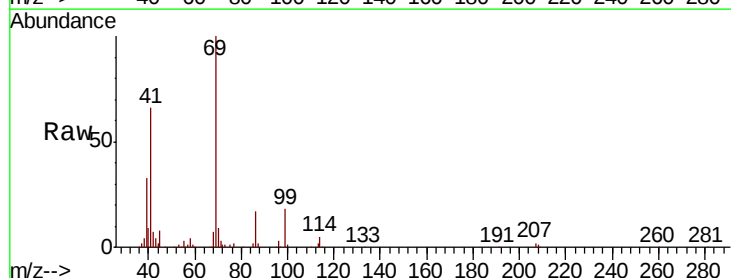
Tgt Ion: 69 Resp: 138489

Ion Ratio Lower Upper

69 100

41 64.6 53.6 80.4

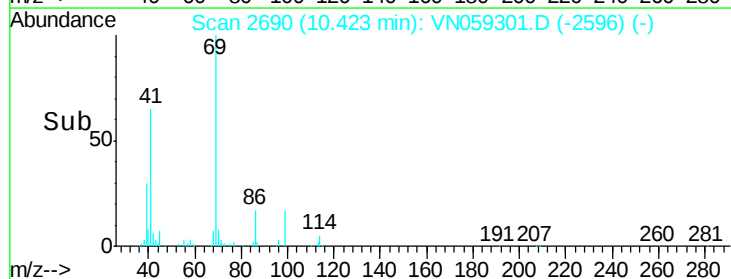
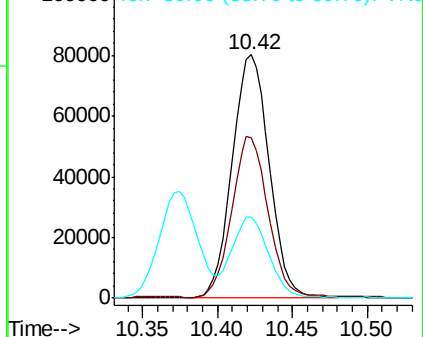
39 32.5 26.2 39.4

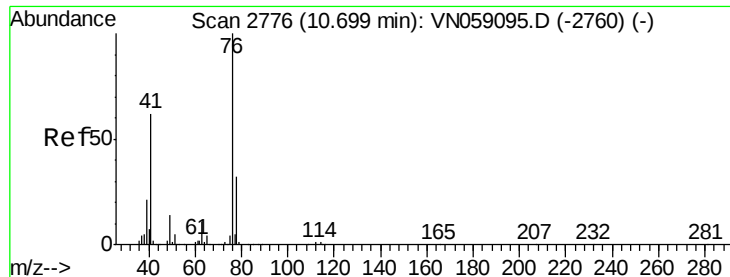


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 22.888 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS01

Tot Ion: 76 Resp: 160577

Ion Ratio Lower Upper

76 100

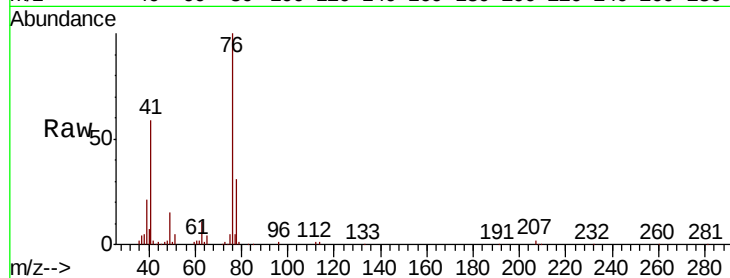
78 32.1 25.8 38.8

Manual Integrations

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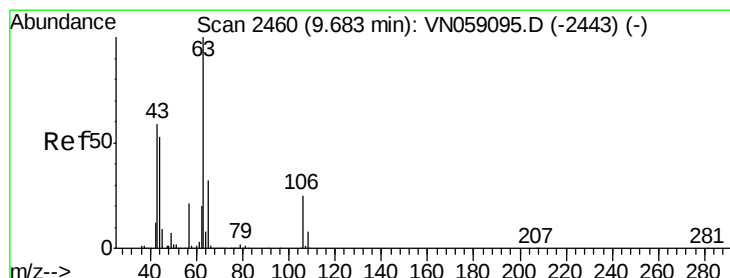
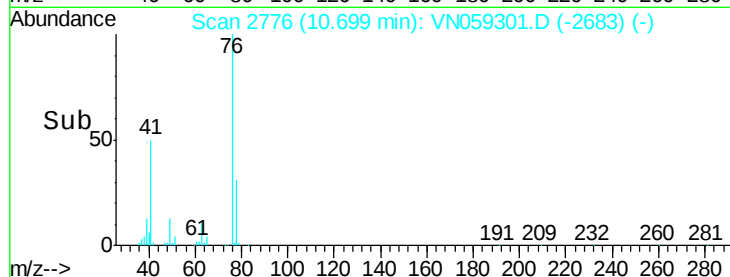
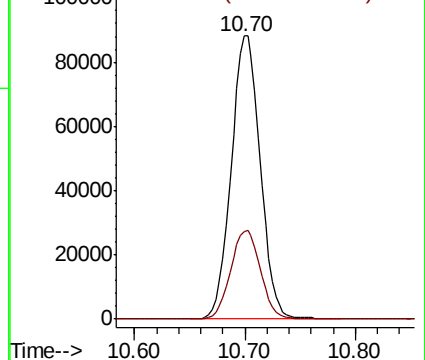
MMDadoda

11/20/2019 1:37:28 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 106.639 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059301.D

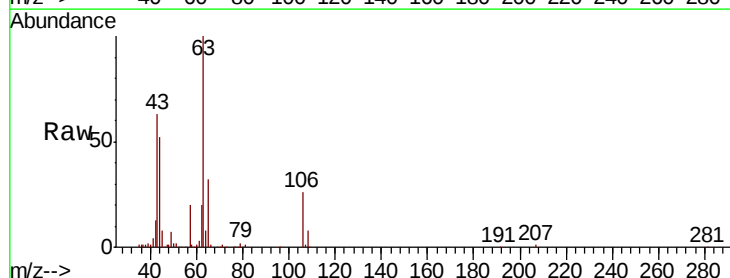
Acq: 19 Nov 2019 12:45

Tgt Ion: 63 Resp: 241915

Ion Ratio Lower Upper

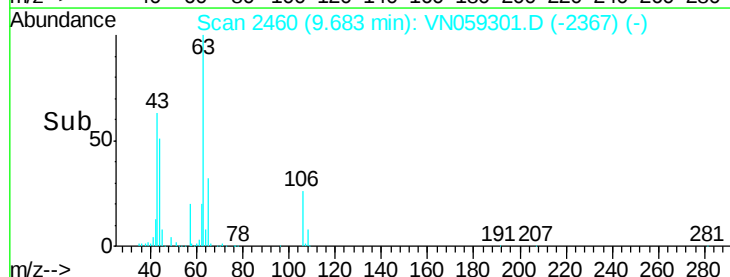
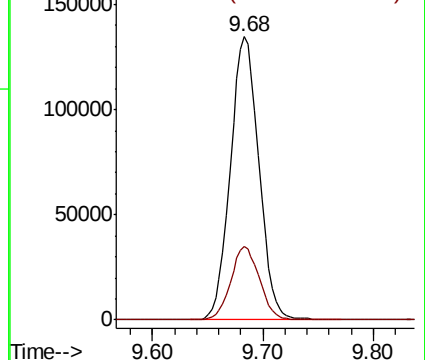
63 100

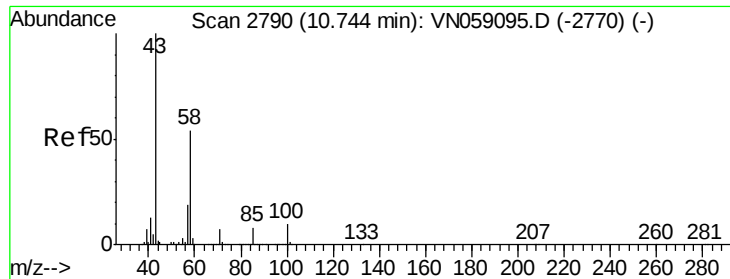
106 25.9 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





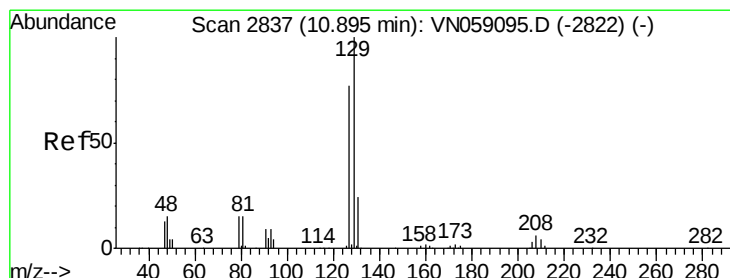
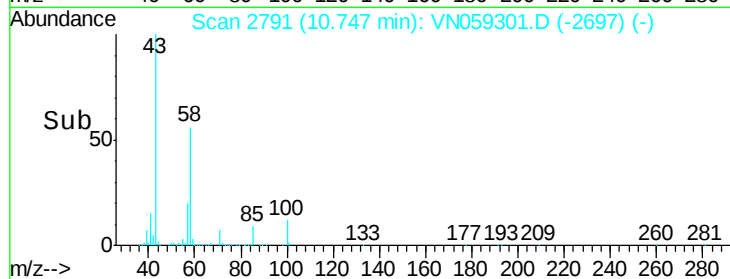
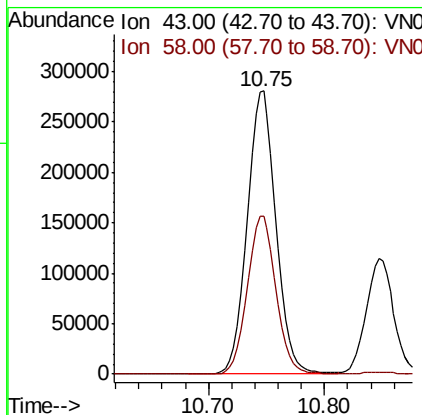
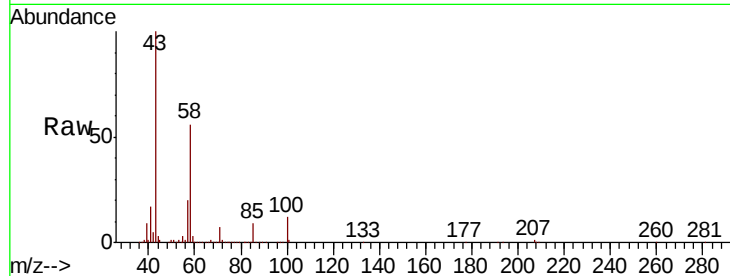
#59
2-Hexanone
Concen: 113.327 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS01

Tot Ion: 43 Resp: 487112
Ion Ratio Lower Upper
43 100
58 55.6 27.3 81.8

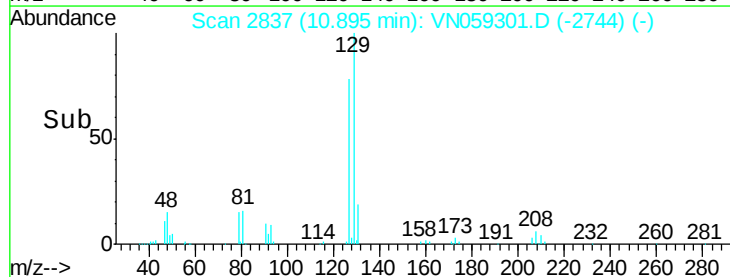
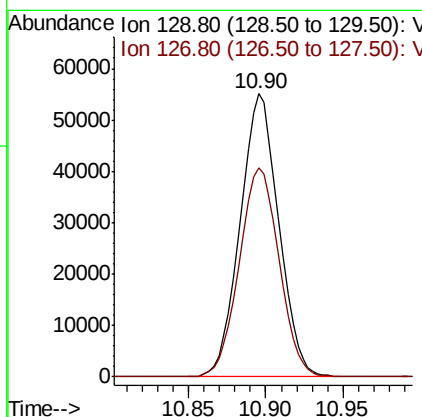
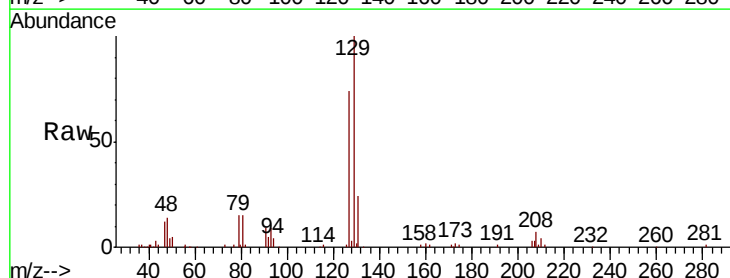
Manual Integrations
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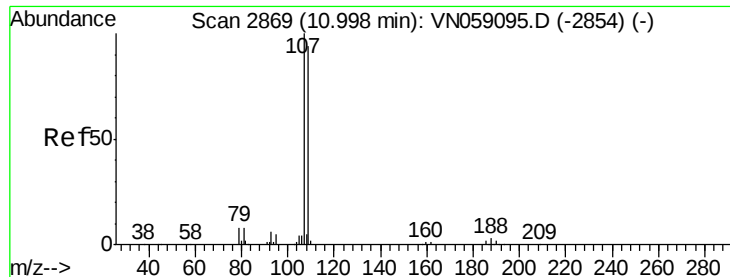
MMDadoda
11/20/2019 1:37:28 PM



#60
Dibromochloromethane
Concen: 22.176 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

Tgt Ion: 129 Resp: 95574
Ion Ratio Lower Upper
129 100
127 76.5 38.6 115.8





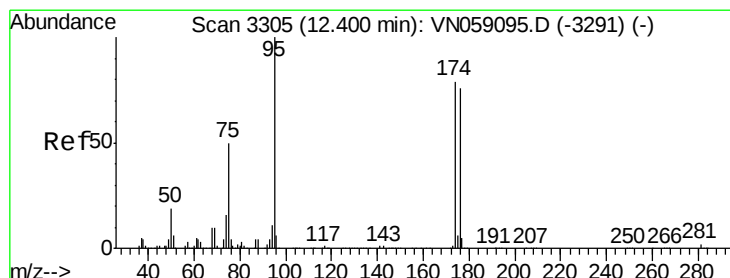
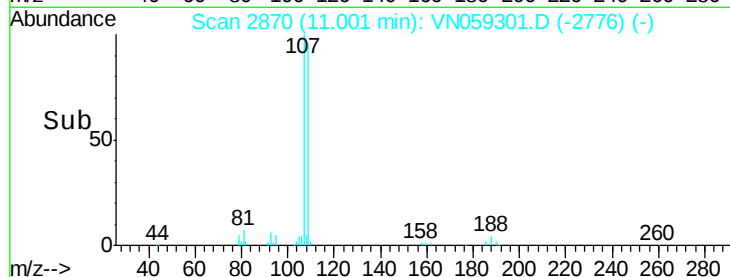
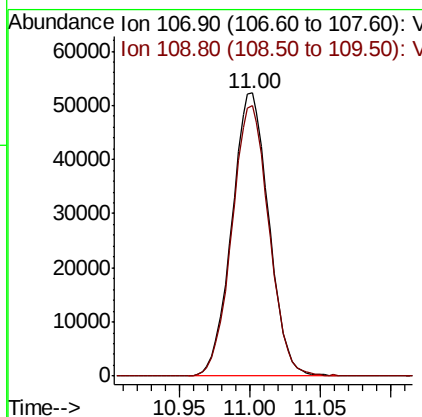
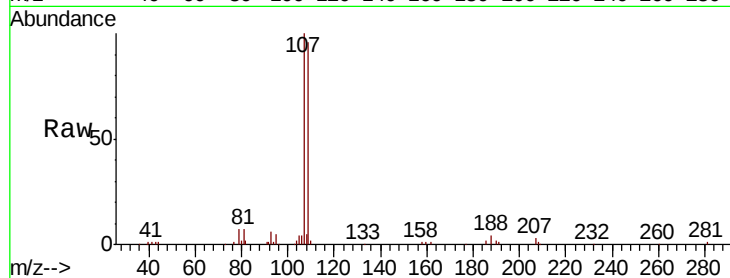
#61
 1,2-Dibromoethane
 Concen: 23.218 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059301.D
 Acq: 19 Nov 2019 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	75.5	113.3

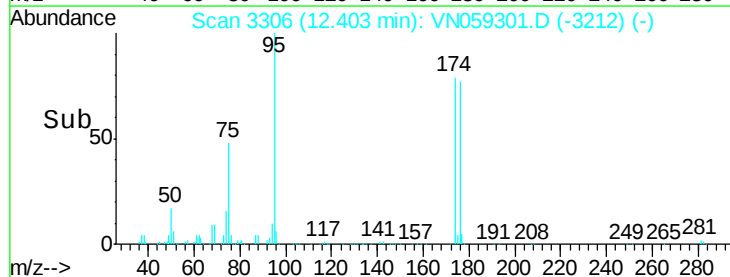
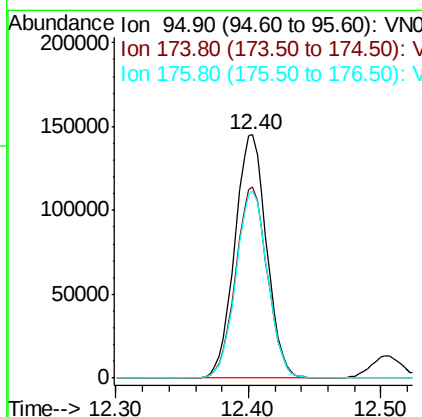
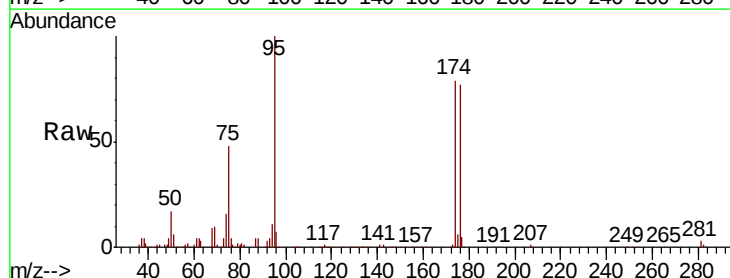
Manual Integrations
 APPROVED

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 11/20/2019 1:37:28 PM



#62
 4-Bromofluorobenzene
 Concen: 47.799 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059301.D
 Acq: 19 Nov 2019 12:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.1	0.0	158.2
176	76.6	0.0	151.8





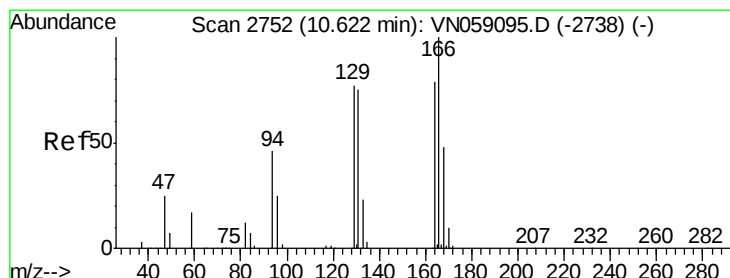
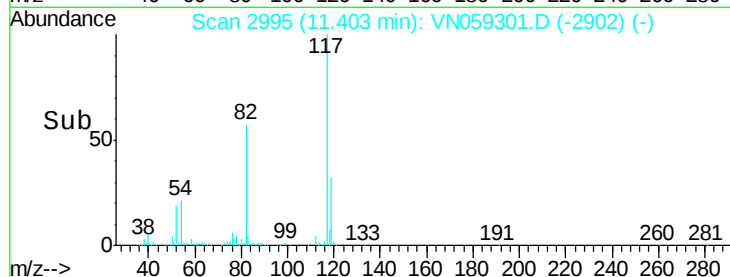
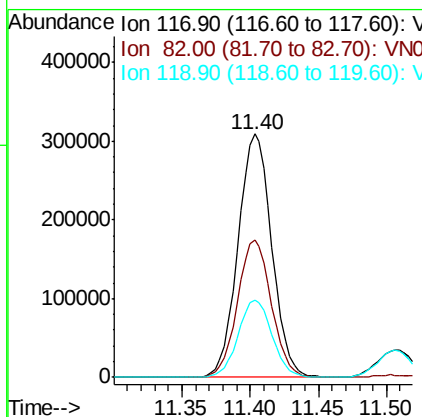
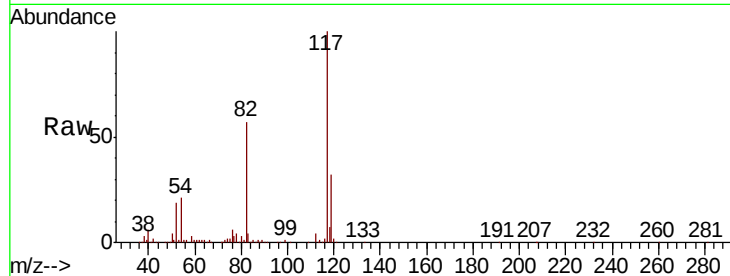
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.6	45.8	68.8
119	31.6	25.8	38.6

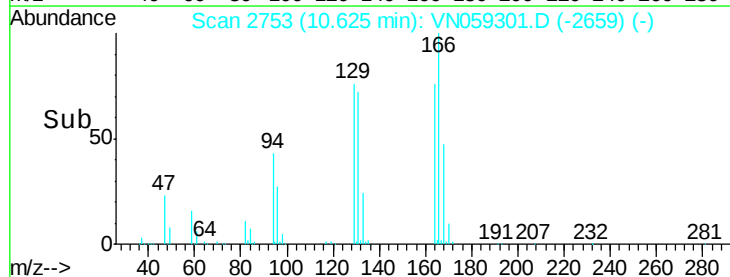
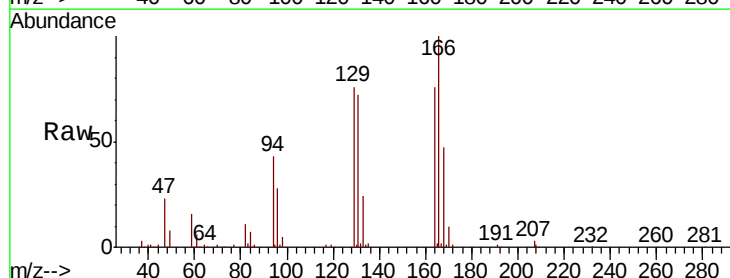
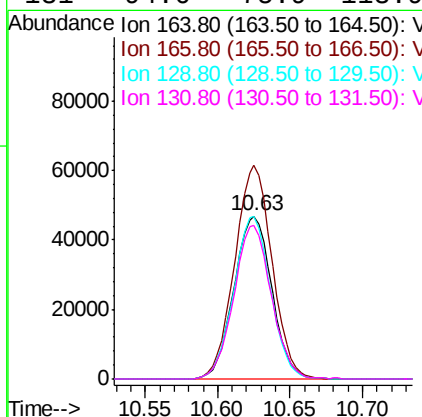
Manual Integrations
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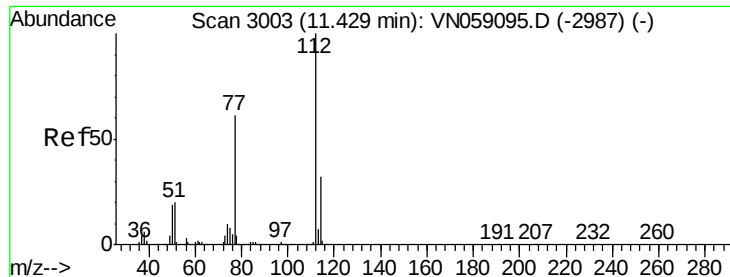
MMDadoda
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#64
Tetrachloroethene
Concen: 23.622 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.0	101.5	152.3
129	99.9	78.3	117.5
131	94.6	75.9	113.9





#65

Chlorobenzene

Concen: 23.823 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS01

Tot Ion:112 Resp: 246226

Ion Ratio Lower Upper

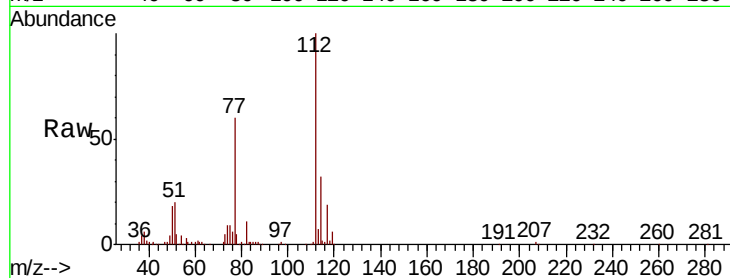
112 100

114 31.9 25.2 37.8

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

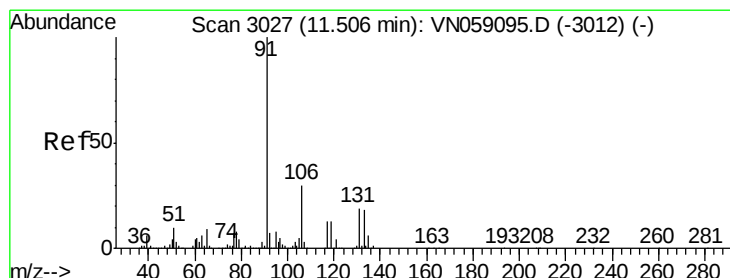
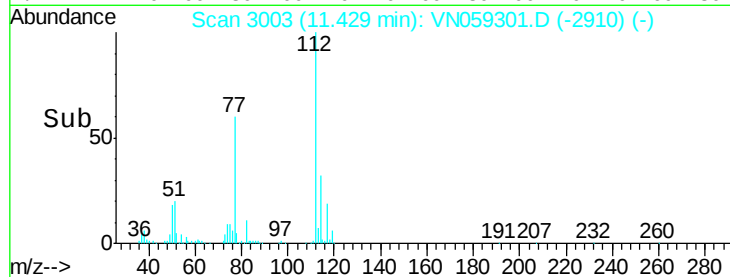
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 23.190 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

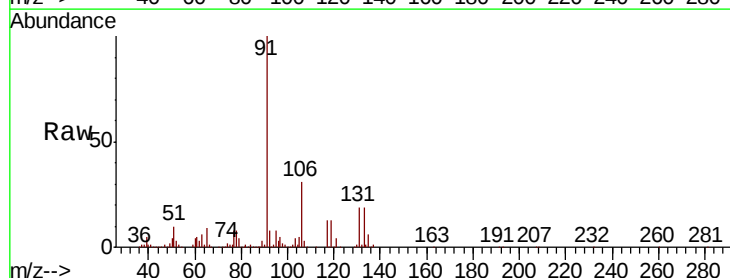
Tgt Ion:131 Resp: 89914

Ion Ratio Lower Upper

131 100

133 97.3 47.4 142.3

119 67.2 33.2 99.6



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

80000

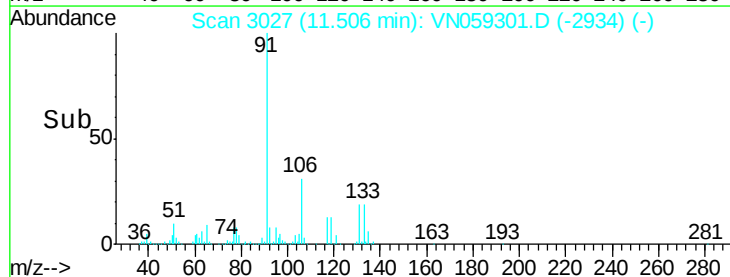
60000

40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 24.285 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS01

Tot Ion: 91 Resp: 445341

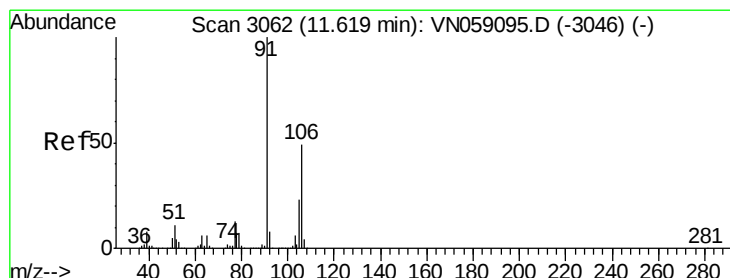
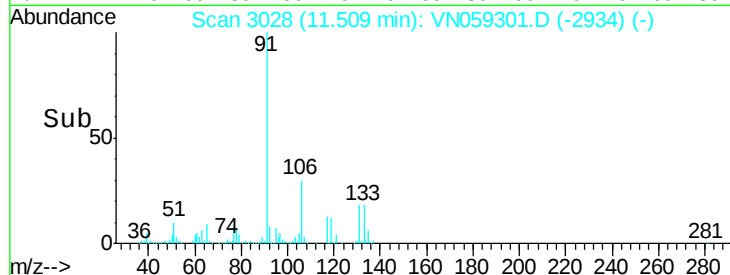
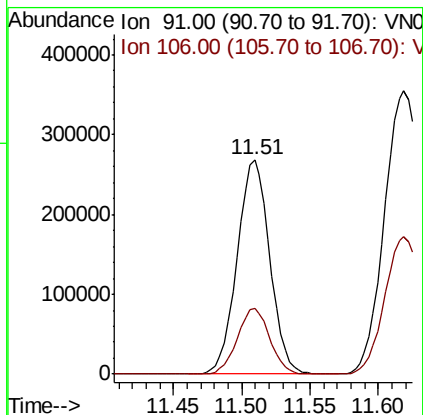
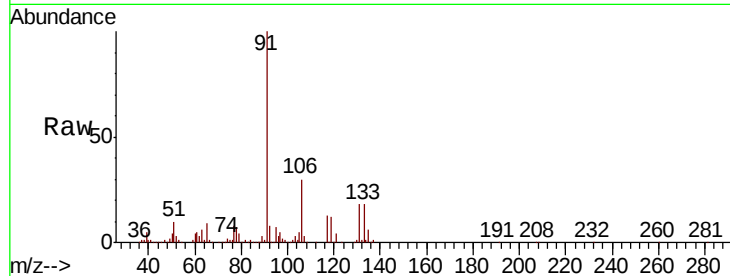
Ion Ratio Lower Upper

91 100

106 30.5 24.1 36.1

Manual Integrations
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#68

m/p-Xylenes

Concen: 48.459 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059301.D

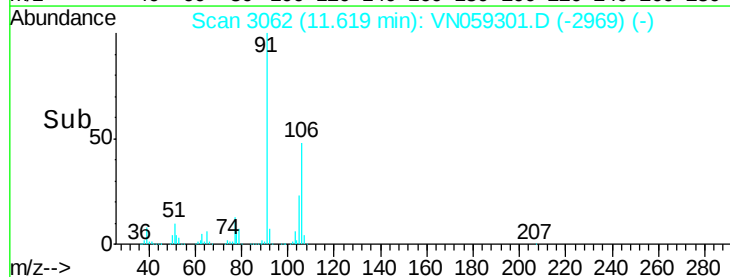
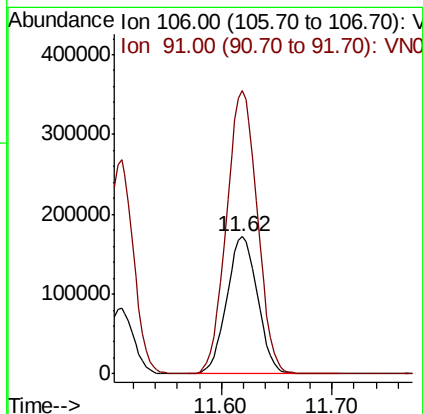
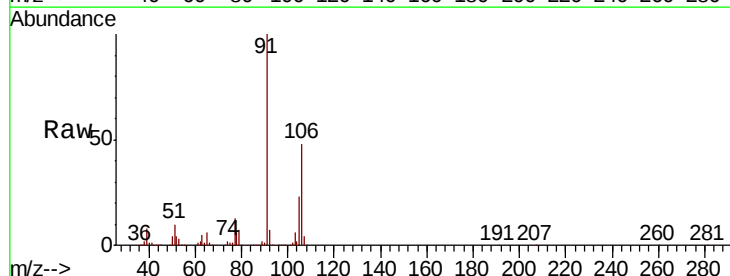
Acq: 19 Nov 2019 12:45

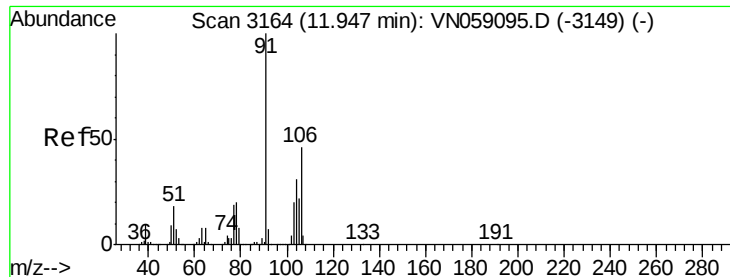
Tgt Ion: 106 Resp: 332875

Ion Ratio Lower Upper

106 100

91 206.4 164.7 247.1





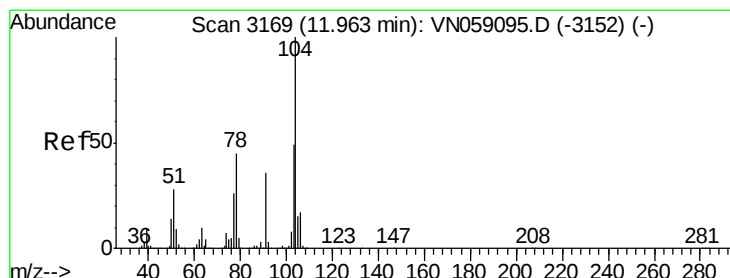
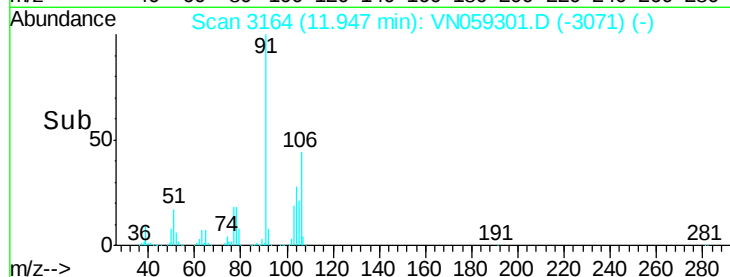
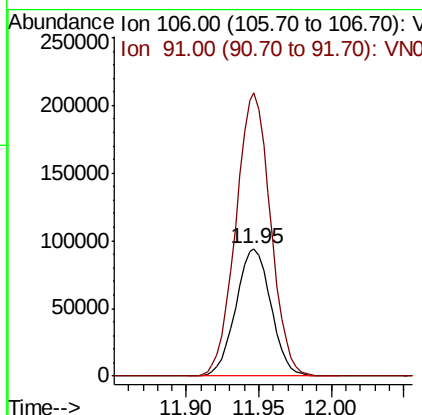
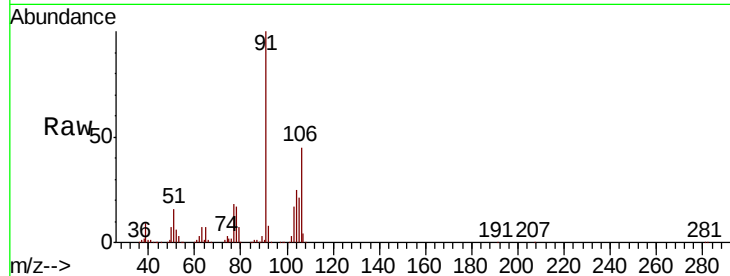
#69
o-Xylene
Concen: 23.843 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS01

Tot Ion:106 Resp: 158283
Ion Ratio Lower Upper
106 100
91 220.0 110.1 330.3

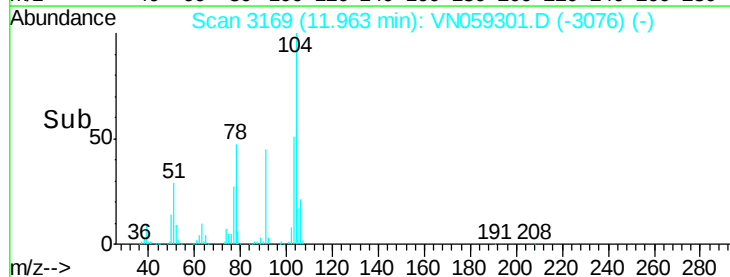
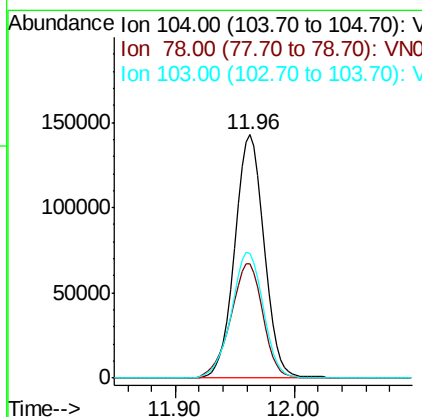
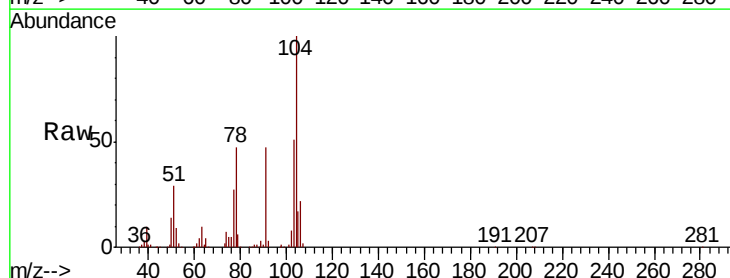
Manual Integrations
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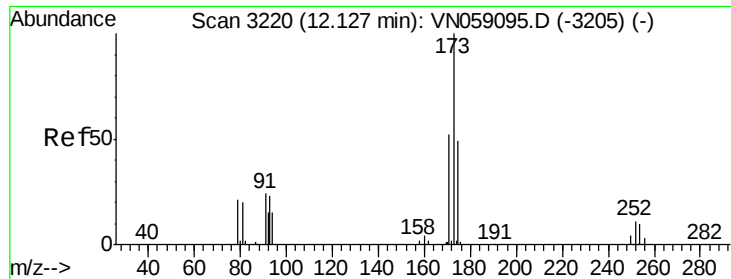
MMDadoda
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#70
Styrene
Concen: 23.470 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

Tgt Ion:104 Resp: 245040
Ion Ratio Lower Upper
104 100
78 51.9 41.2 61.8
103 56.2 43.8 65.6





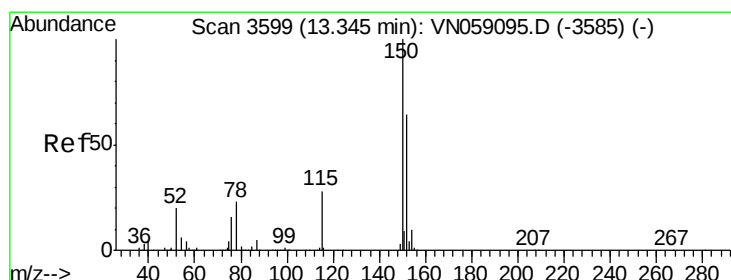
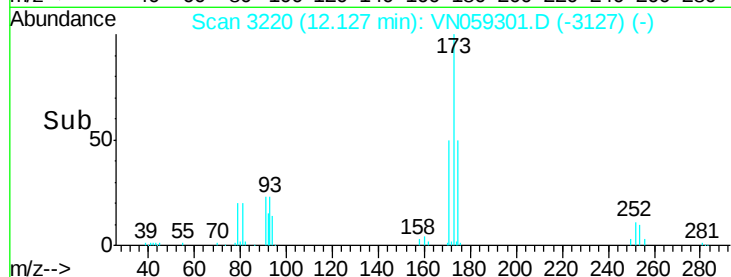
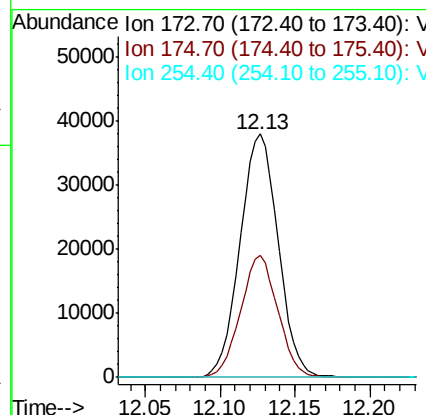
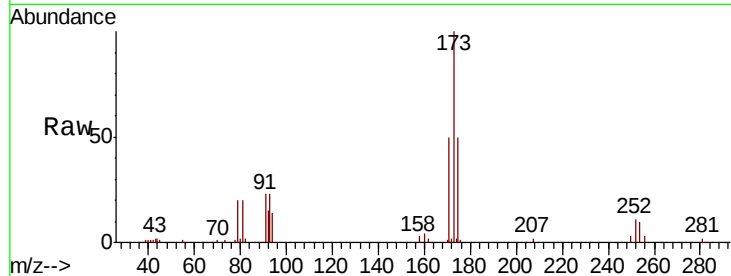
#71
Bromoform
Concen: 22.321 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.2	72.6
254	0.0	0.1	0.1#

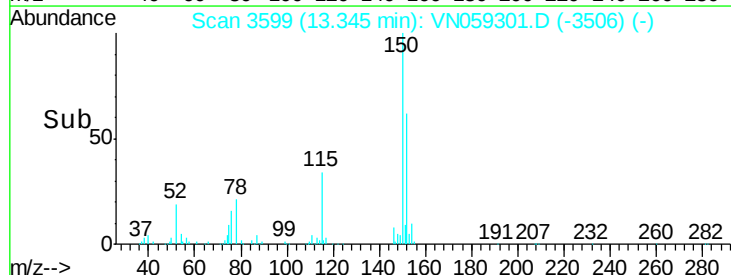
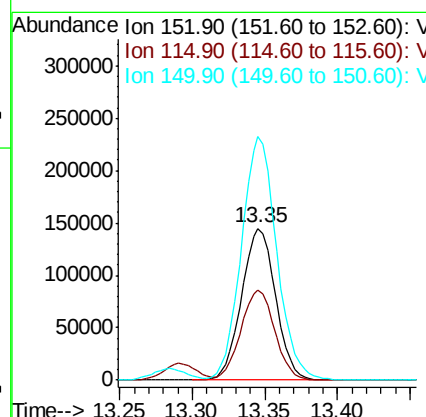
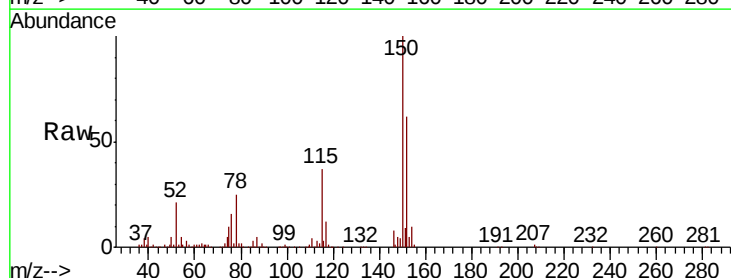
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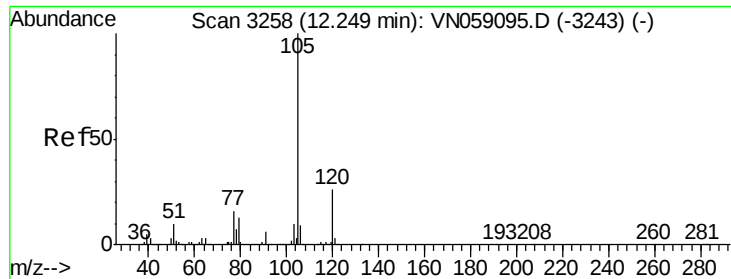
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.4	88.2
150	167.0	0.0	345.8





#73

Isopropylbenzene

Concen: 24.826 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS01

Tot Ion: 105 Resp: 426451

Ion Ratio Lower Upper

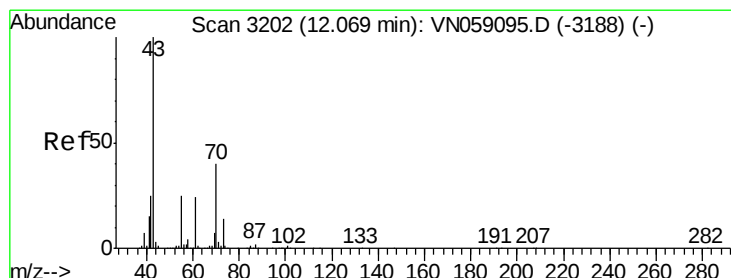
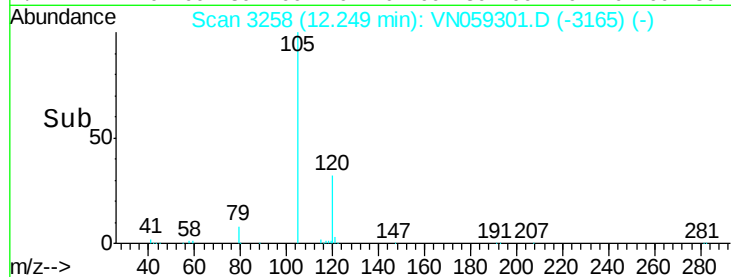
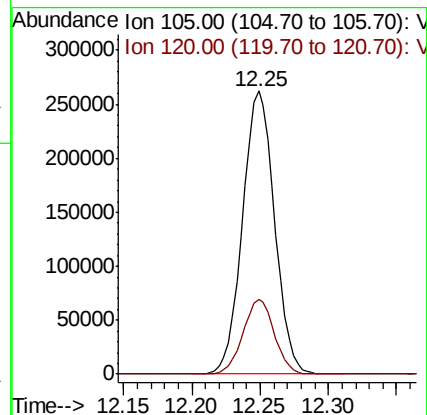
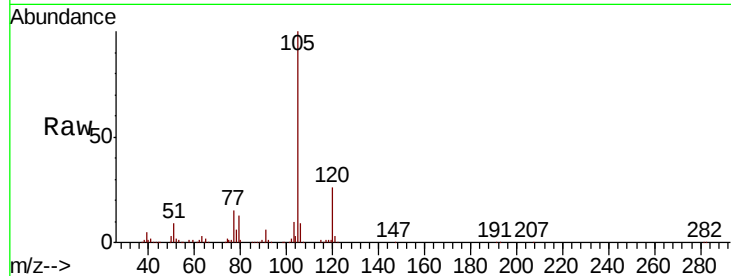
105 100

120 26.0 13.1 39.3

Manual Integrations
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#74

N-ethyl acetate

Concen: 22.603 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Tgt Ion: 43 Resp: 164525

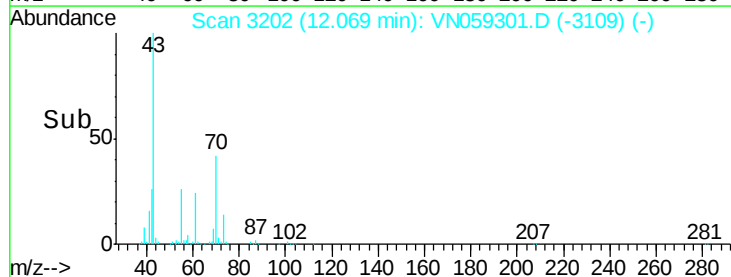
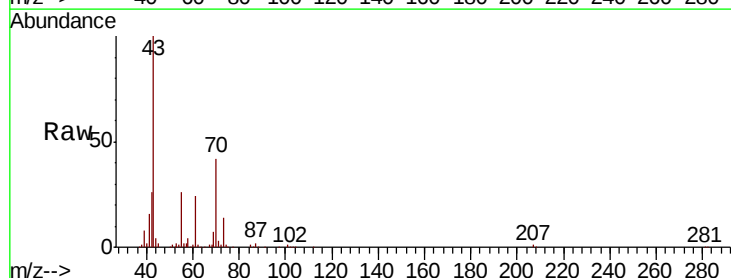
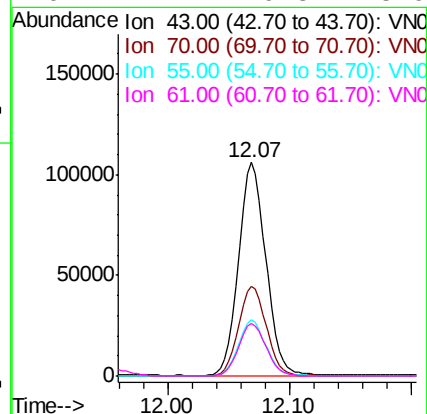
Ion Ratio Lower Upper

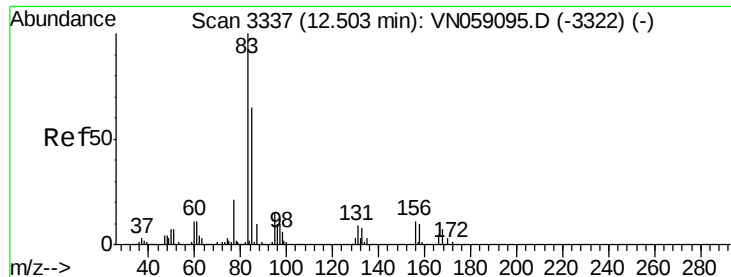
43 100

70 42.9 32.2 48.4

55 26.6 20.4 30.6

61 24.7 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 23.705 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS01

Tot Ion: 83 Resp: 138671
Ion Ratio Lower Upper

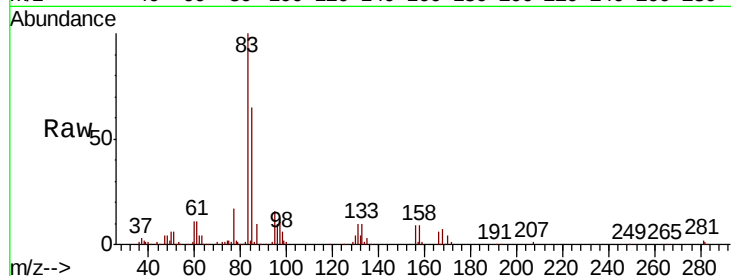
83 100

131 9.7 4.9 14.6

85 64.5 32.4 97.2

Manual Integrations
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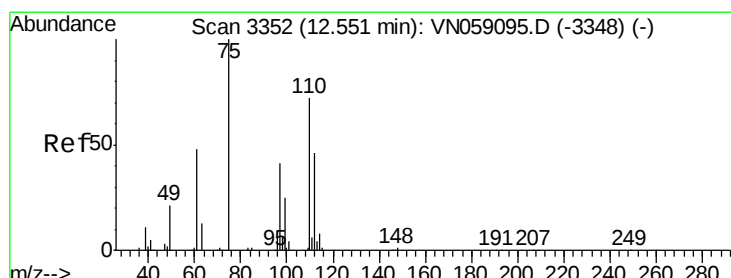
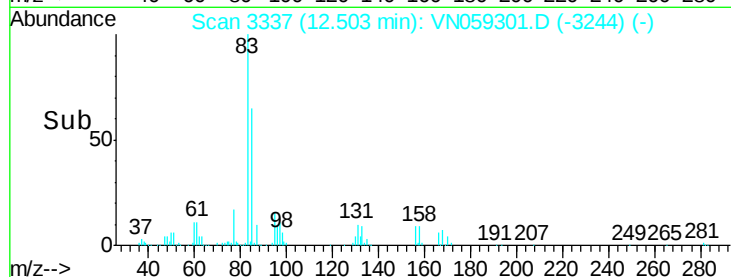
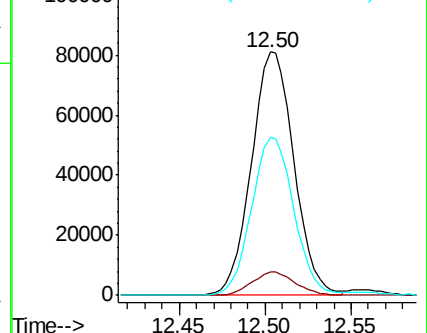
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Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN

Ion 84.90 (84.60 to 85.60): VN



#76

1,2,3-Trichloropropane

Concen: 22.986 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

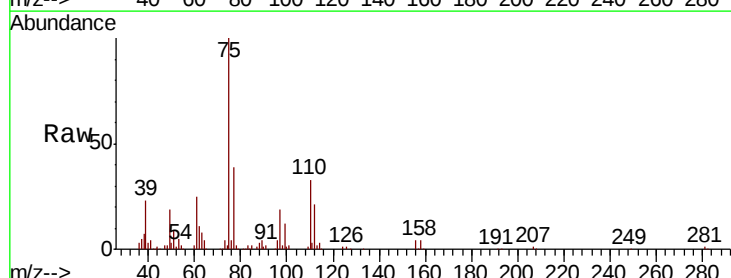
Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Tgt Ion: 75 Resp: 123582
Ion Ratio Lower Upper

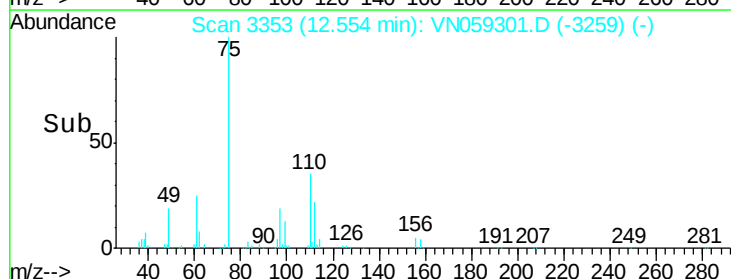
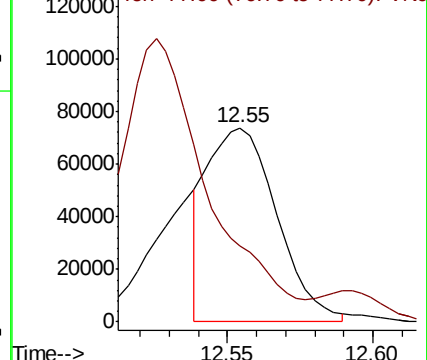
75 100

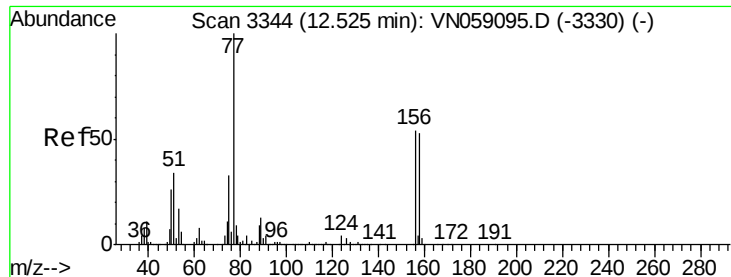
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 23.342 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

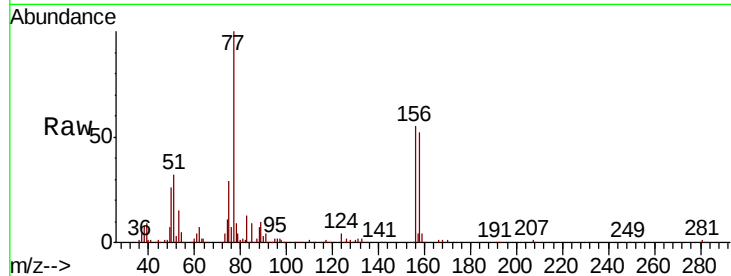
ClientSampleId :

VN1119MBS01

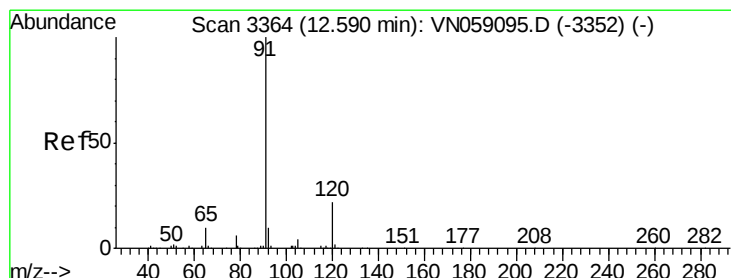
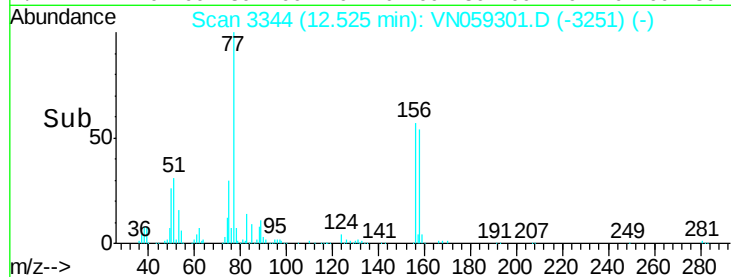
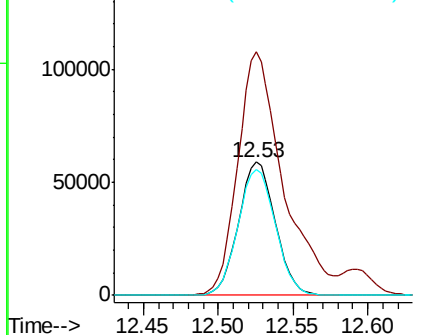
Tot Ion:	156	Resp:	100736
Ion Ratio	Lower	Upper	
156	100		
77	224.8	112.8	338.3
158	96.5	48.4	145.3

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 24.563 ug/l

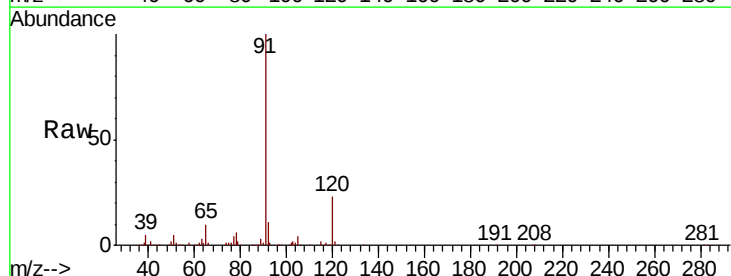
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

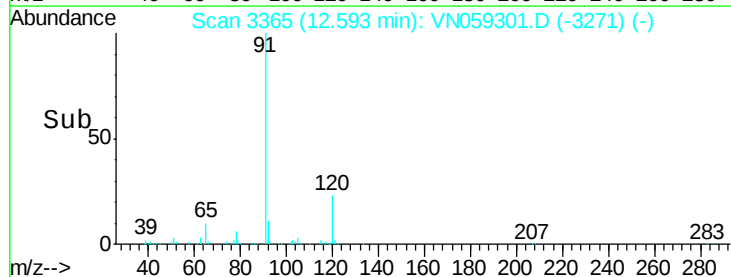
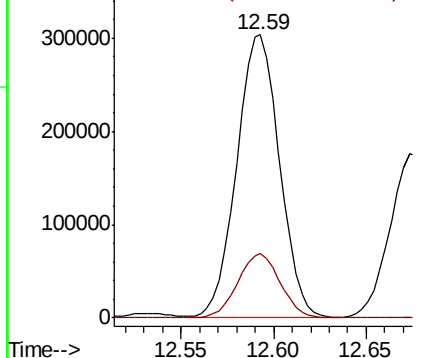
Lab File: VN059301.D

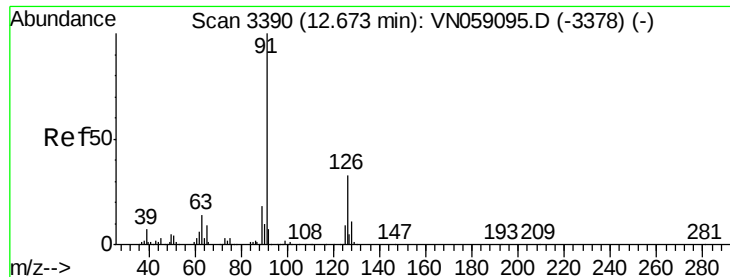
Acq: 19 Nov 2019 12:45

Tgt Ion:	91	Resp:	483106
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.2	33.5



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





#79

2-Chlorotoluene

Concen: 24.086 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS01

Tot Ion: 91 Resp: 293876

Ion Ratio Lower Upper

91 100

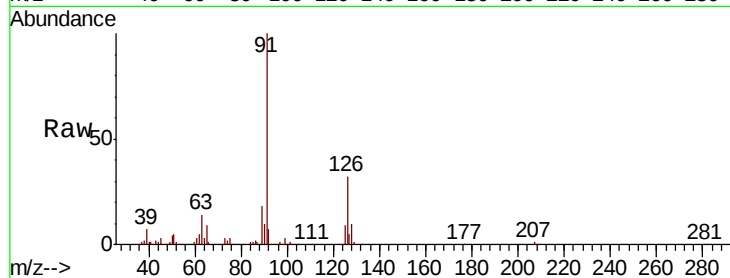
126 33.1 16.7 50.1

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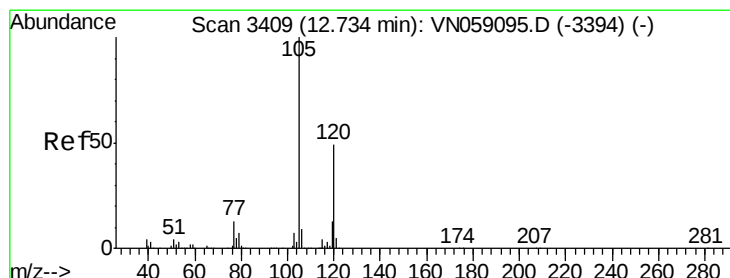
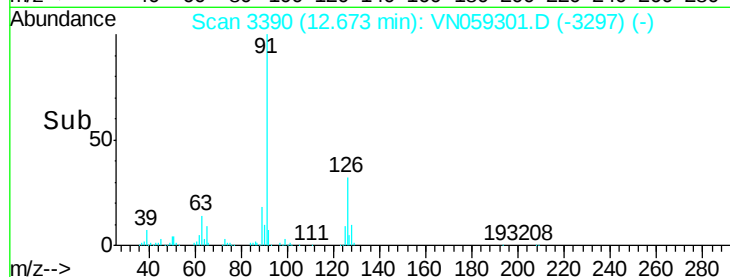
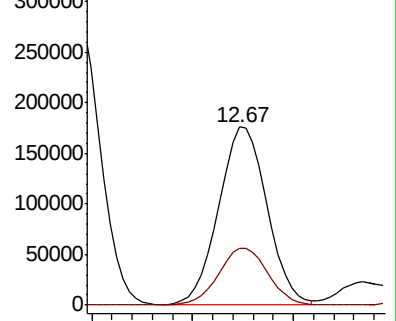
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Abundance Ion 91.00 (90.70 to 91.70): VN059095.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN059095.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 24.639 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059301.D

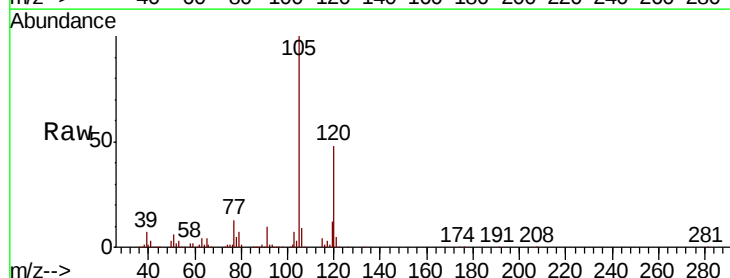
Acq: 19 Nov 2019 12:45

Tgt Ion:105 Resp: 358627

Ion Ratio Lower Upper

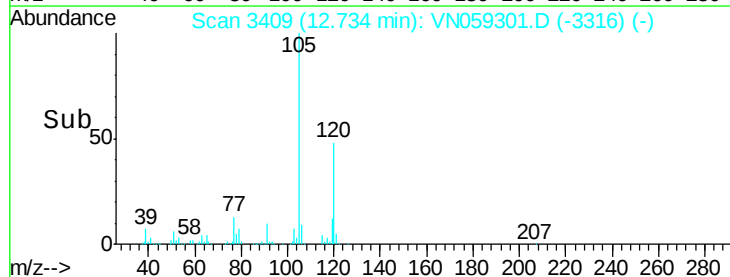
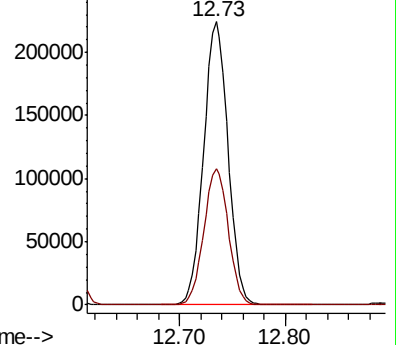
105 100

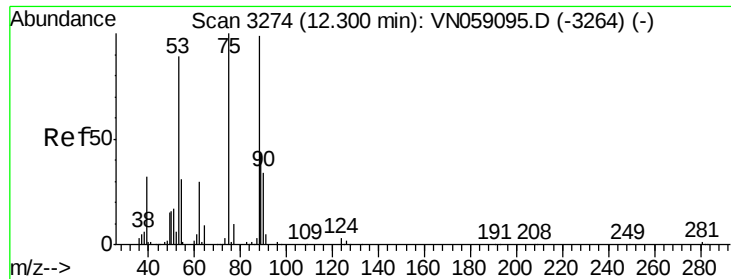
120 48.4 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN059095.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN059095.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 22.251 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

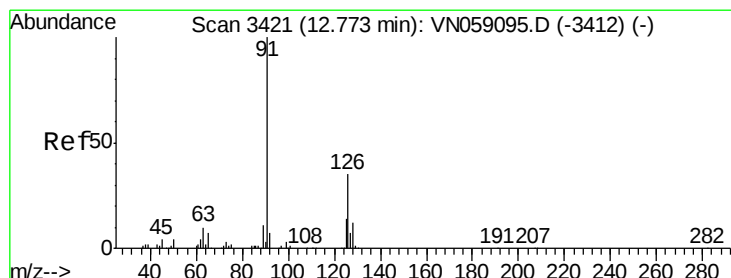
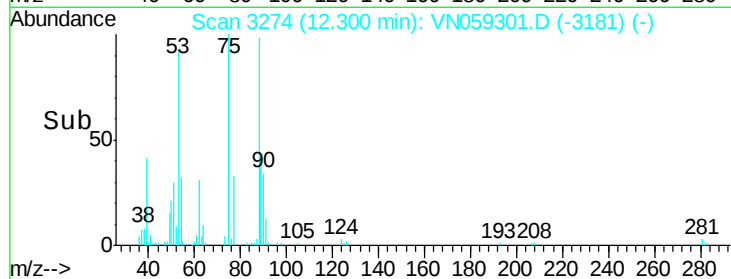
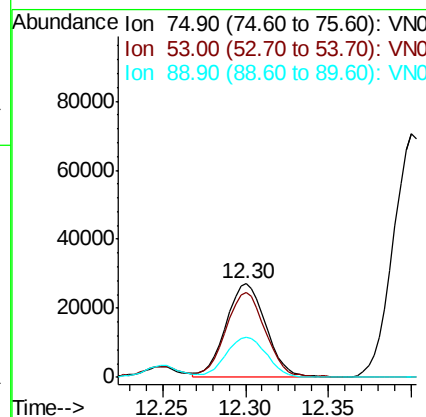
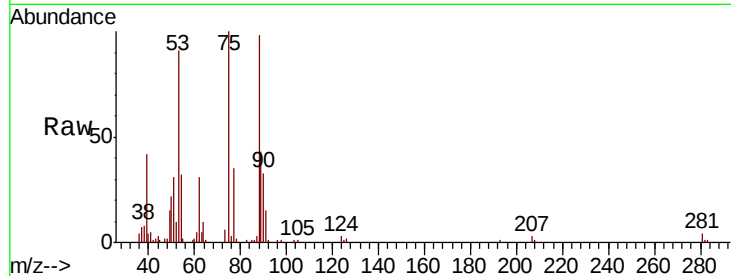
ClientSampleId :

VN1119MBS01

Tot Ion:	75	Resp:	45292
Ion	Ratio	Lower	Upper
75	100		
53	90.6	72.2	108.2
89	43.8	35.8	53.8

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#82

4-Chlorotoluene

Concen: 23.810 ug/l

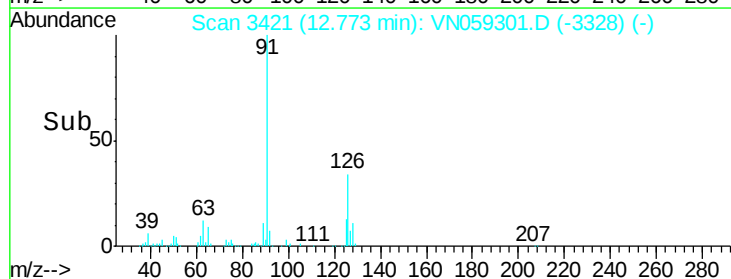
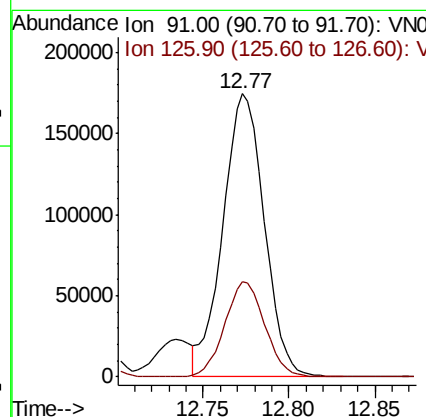
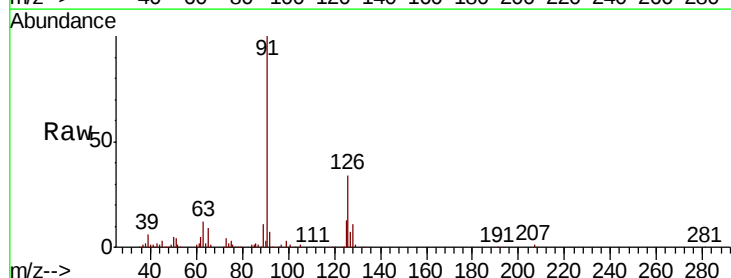
RT: 12.77 min Scan# 3421

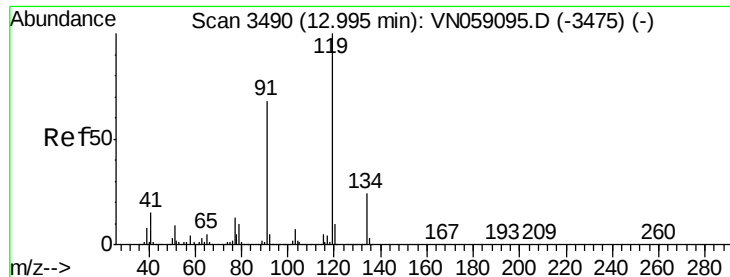
Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Tgt Ion:	91	Resp:	291379
Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.2





#83

tert-Butylbenzene

Concen: 24.453 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

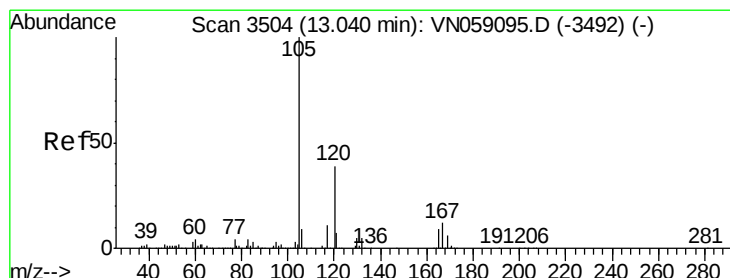
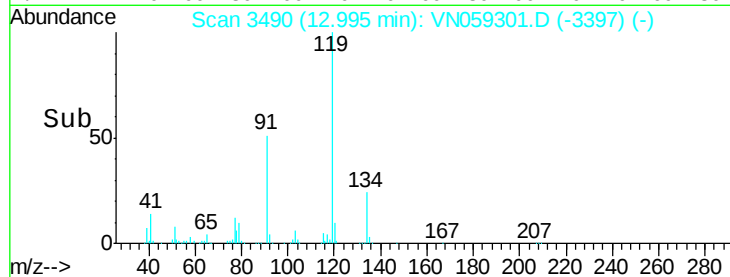
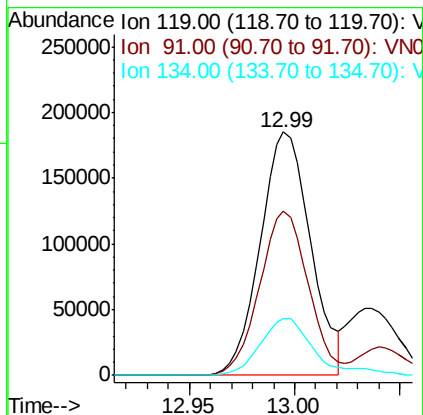
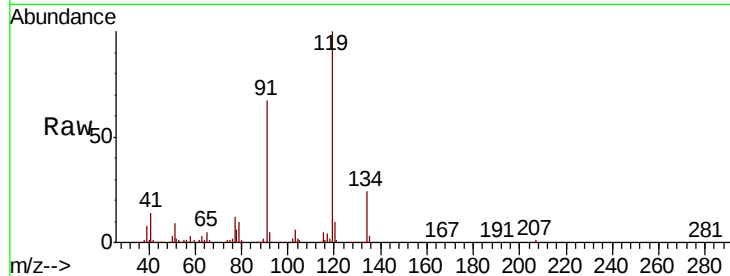
ClientSampleId :

VN1119MBS01

Tot Ion:	119	Resp:	307373
Ion Ratio	Lower	Upper	
119	100		
91	65.3	33.2	99.6
134	25.2	12.7	38.1

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#84

1,2,4-Trimethylbenzene

Concen: 24.979 ug/l

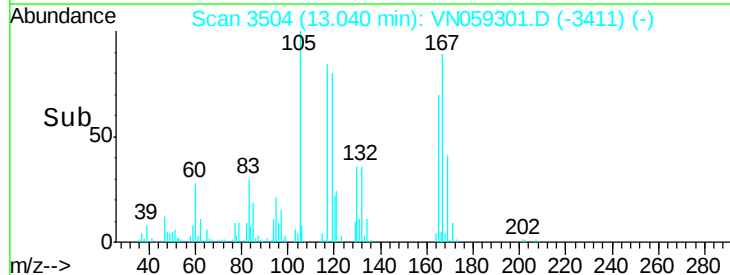
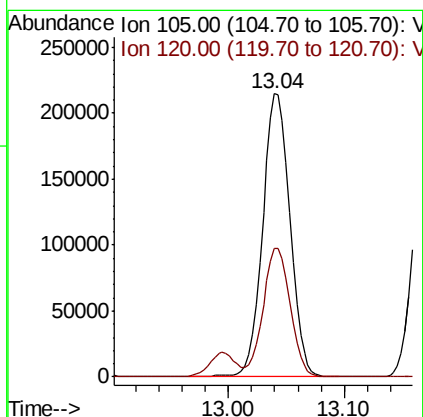
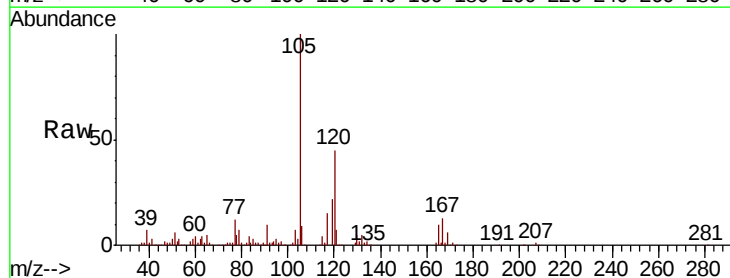
RT: 13.04 min Scan# 3504

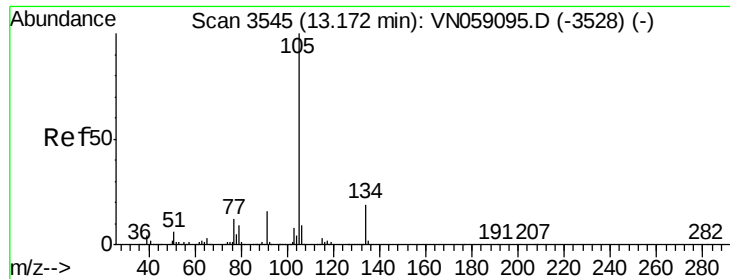
Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Tgt Ion:	105	Resp:	351767
Ion Ratio	Lower	Upper	
105	100		
120	44.9	22.8	68.4





#85

sec-Butylbenzene

Concen: 24.807 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS01

Tot Ion:105 Resp: 405533

Ion Ratio Lower Upper

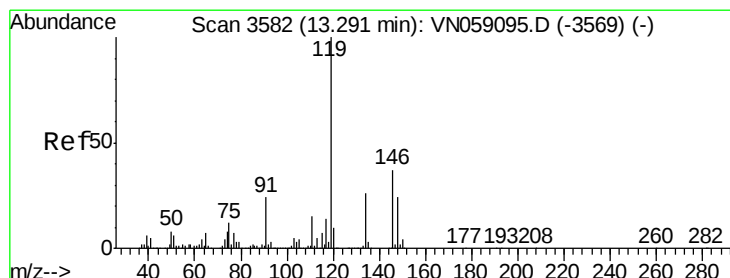
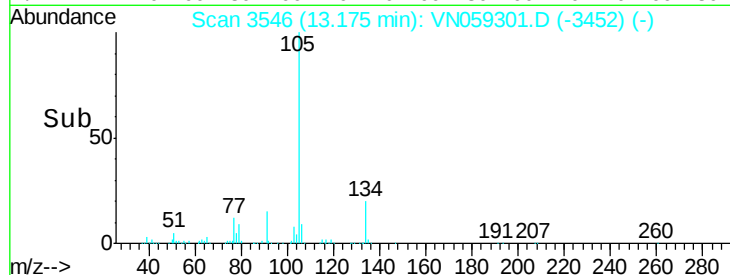
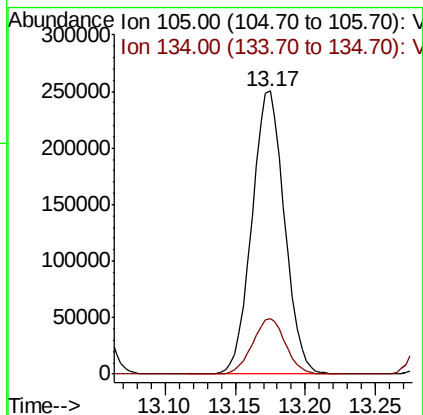
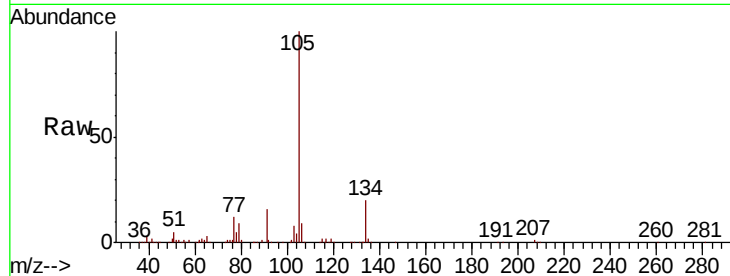
105 100

134 19.7 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 24.936 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

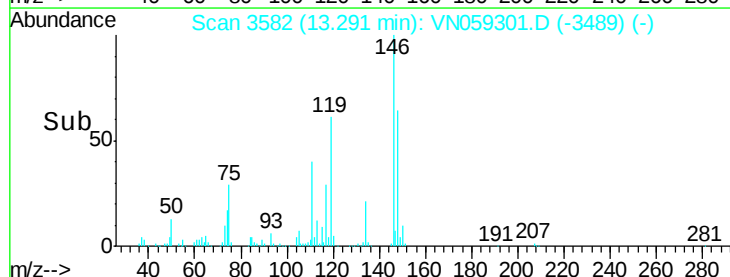
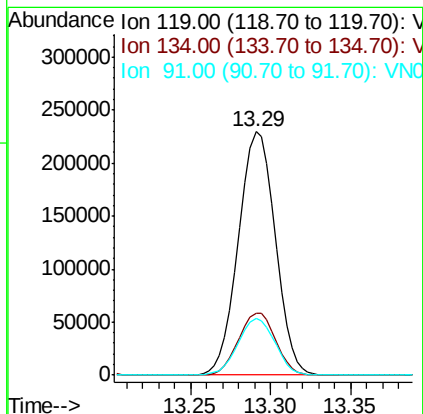
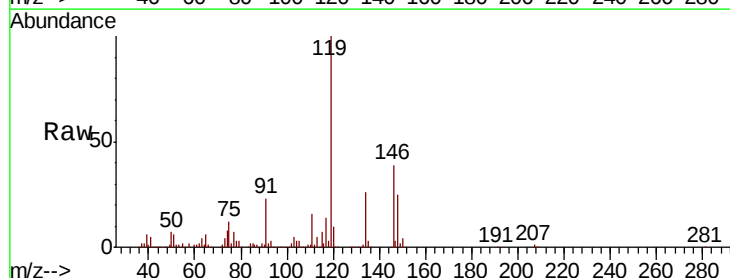
Tgt Ion:119 Resp: 359941

Ion Ratio Lower Upper

119 100

134 25.8 13.0 38.9

91 23.2 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 23.558 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059301.D

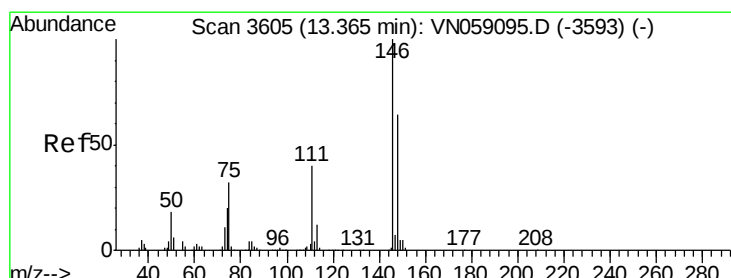
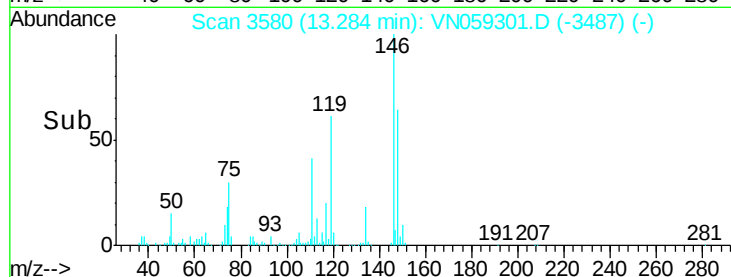
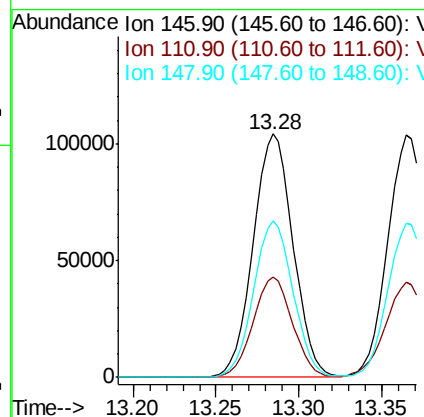
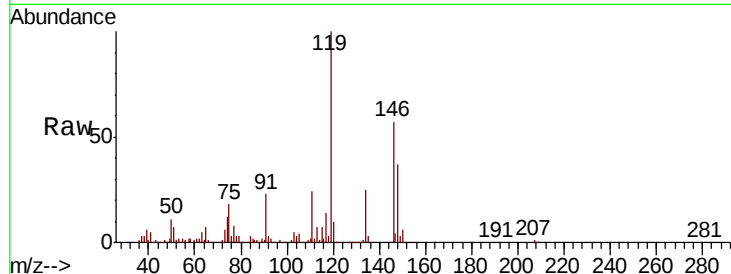
Acq: 19 Nov 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.4	61.3
148	63.4	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 22.963 ug/l

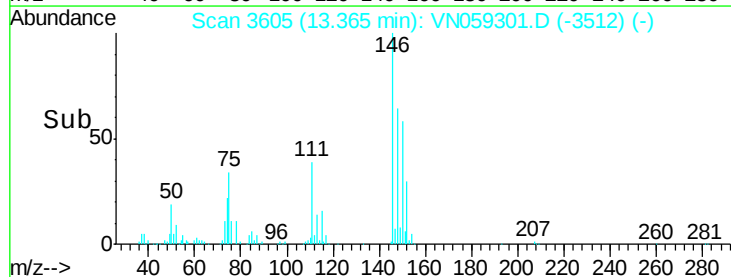
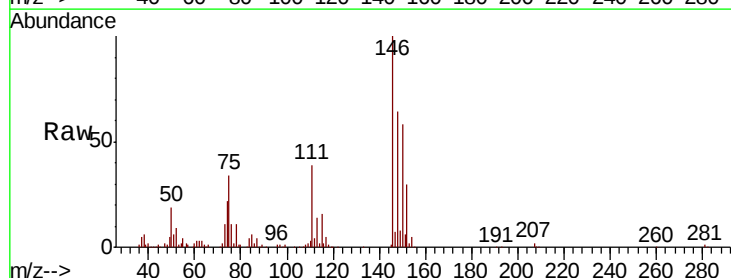
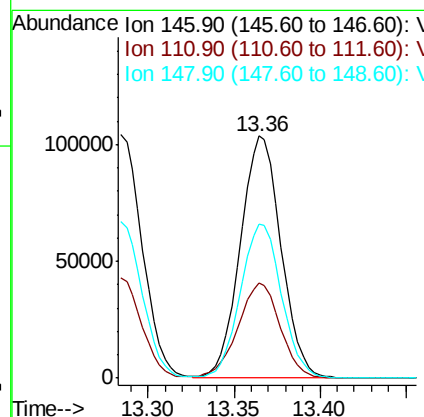
RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.3	60.9
148	64.8	31.9	95.7





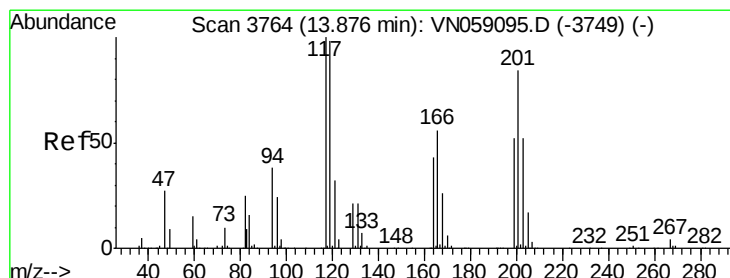
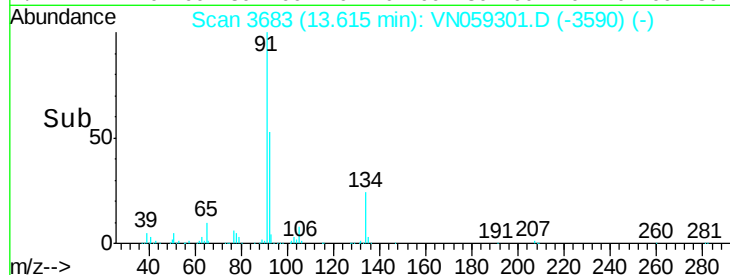
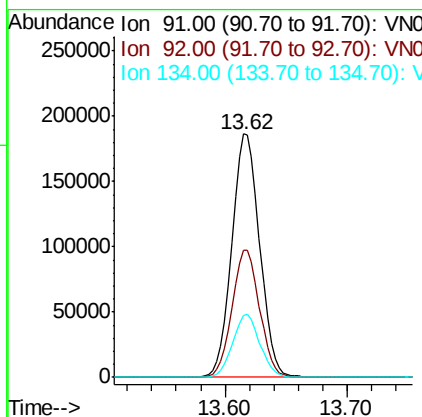
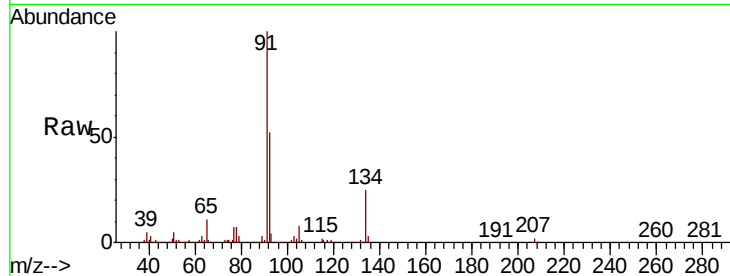
#89
n-Butylbenzene
Concen: 23.457 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS01

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	51.8	26.1	78.3	
134	25.2	12.6	37.8	

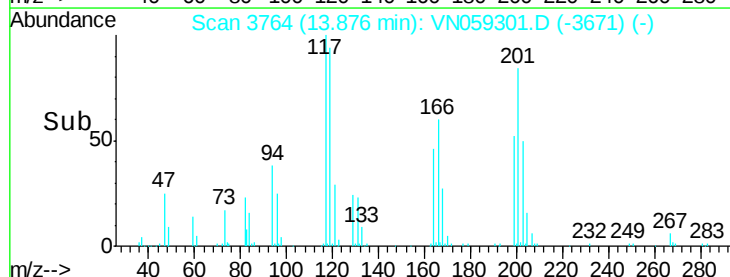
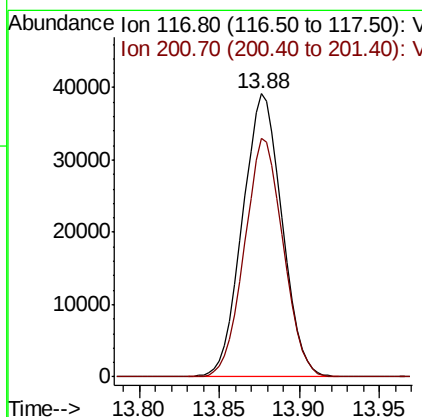
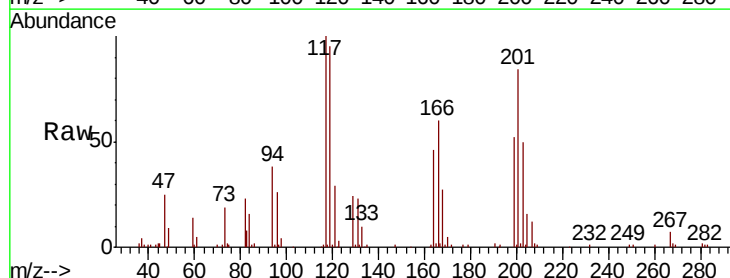
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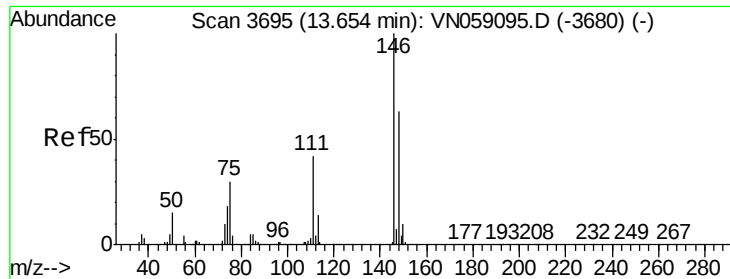
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#90
Hexachloroethane
Concen: 22.821 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

Tgt Ion	Ion	Ratio	Lower	Upper
117	100			
201	82.5	41.8	125.3	





#91

1,2-Dichlorobenzene

Concen: 23.654 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

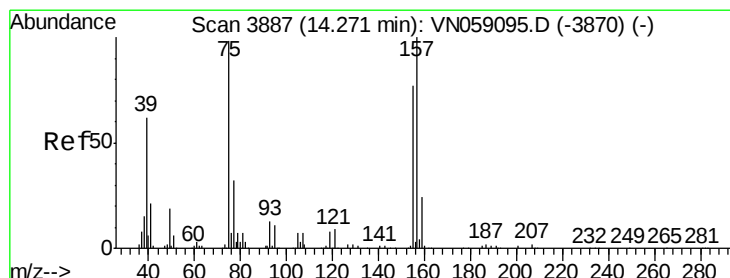
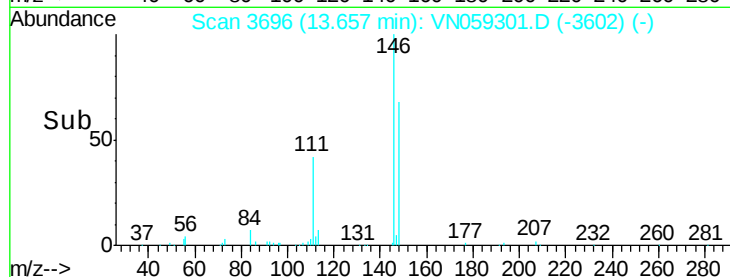
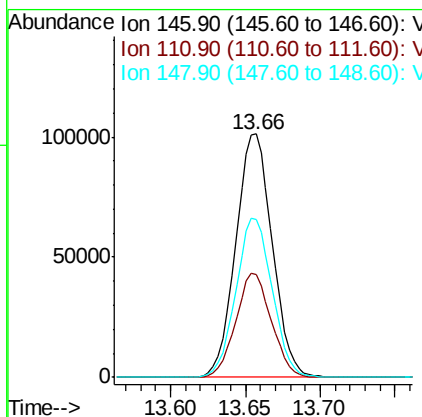
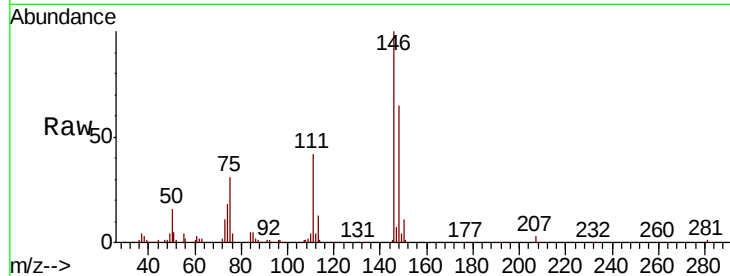
ClientSampleId :

VN1119MBS01

Tot Ion:	146	Resp:	171965
Ion Ratio	Lower	Upper	
146	100		
111	41.8	21.2	63.6
148	65.1	31.6	94.7

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#92

1,2-Dibromo-3-Chloropropane

Concen: 23.397 ug/l

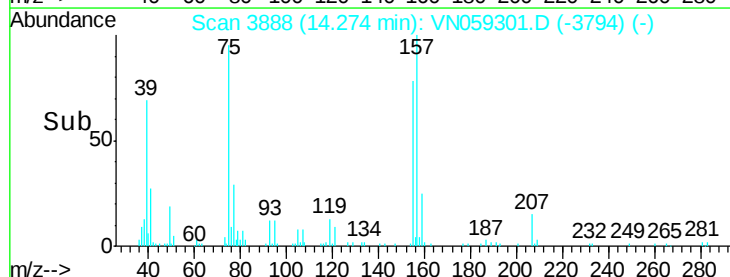
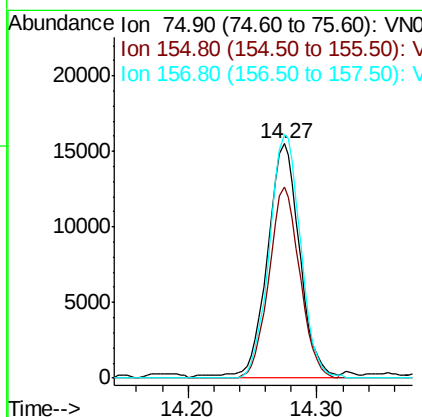
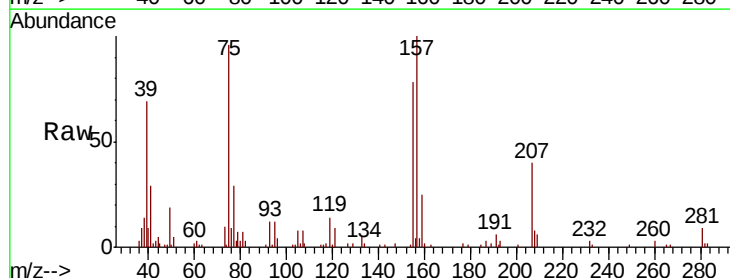
RT: 14.27 min Scan# 3888

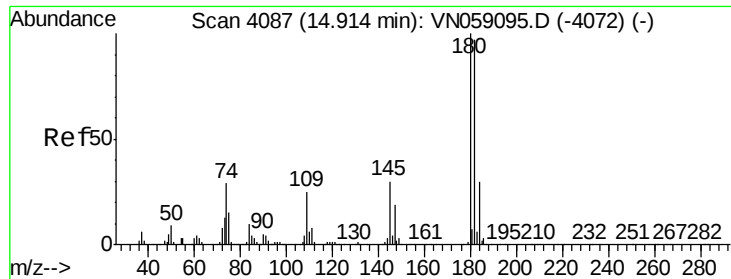
Delta R.T. 0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Tgt Ion:	75	Resp:	27290
Ion Ratio	Lower	Upper	
75	100		
155	76.6	40.2	120.6
157	99.3	51.8	155.5





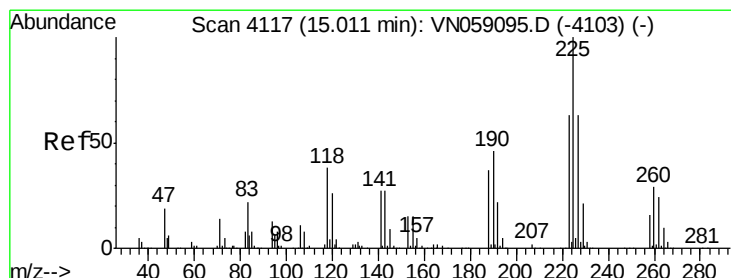
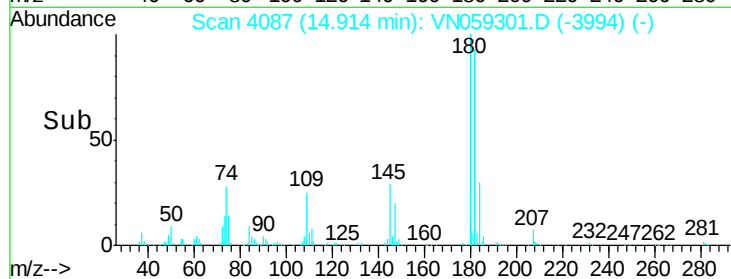
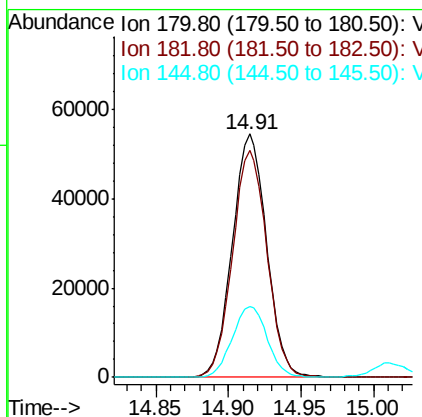
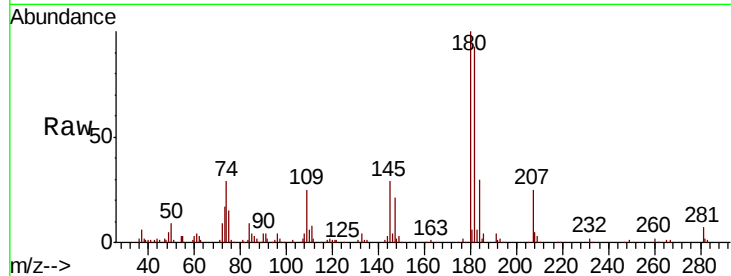
#93
 1,2,4-Trichlorobenzene
 Concen: 22.085 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059301.D
 Acq: 19 Nov 2019 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	89422		
182	93.4	48.1	144.3	
145	29.8	15.1	45.3	

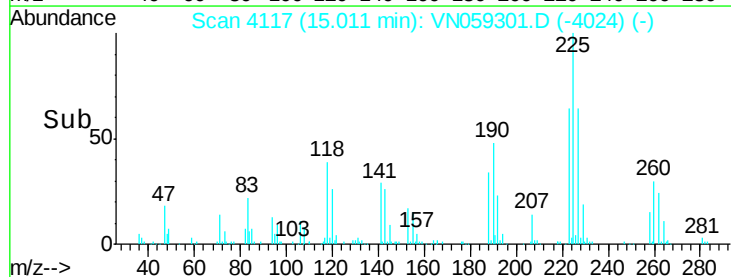
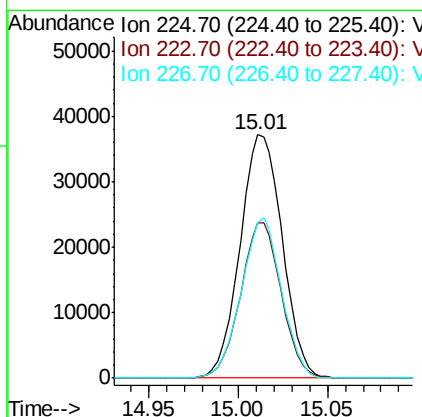
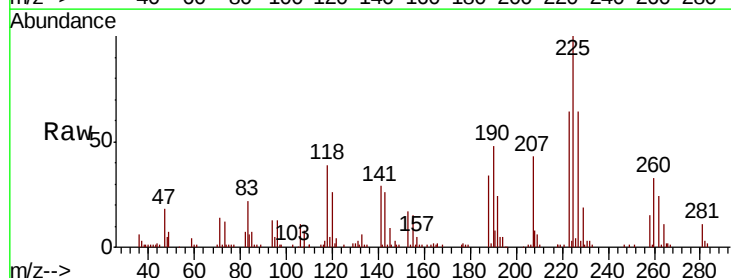
Manual Integrations
 APPROVED

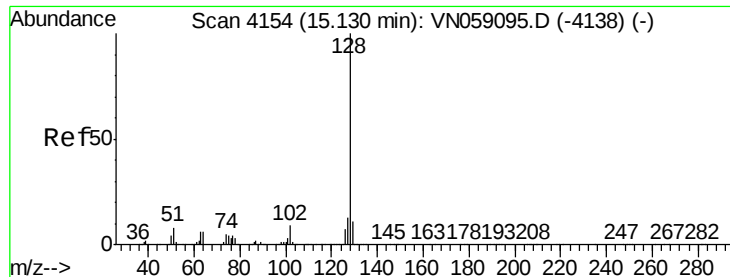
MMDadoda
 11/20/2019 1:37:28 PM



#94
 Hexachlorobutadiene
 Concen: 24.522 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059301.D
 Acq: 19 Nov 2019 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	61469		
223	61.9	31.3	93.9	
227	62.6	31.5	94.5	





#95

Naphthalene

Concen: 21.526 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

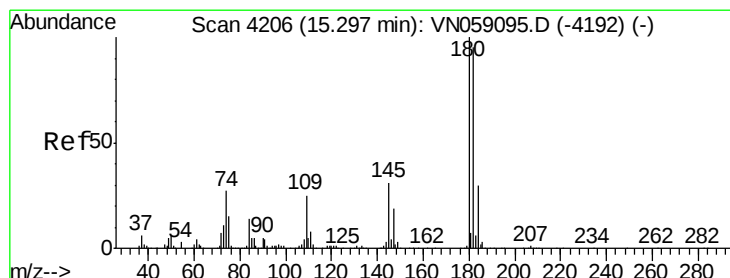
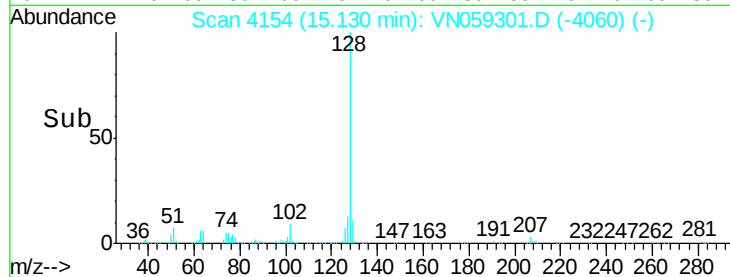
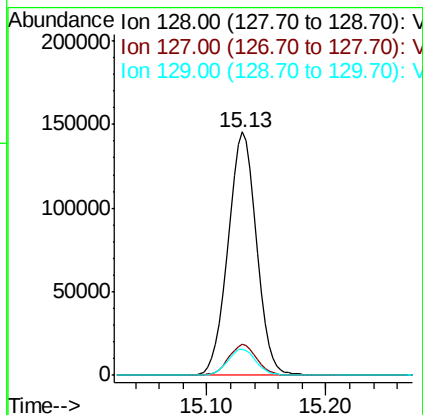
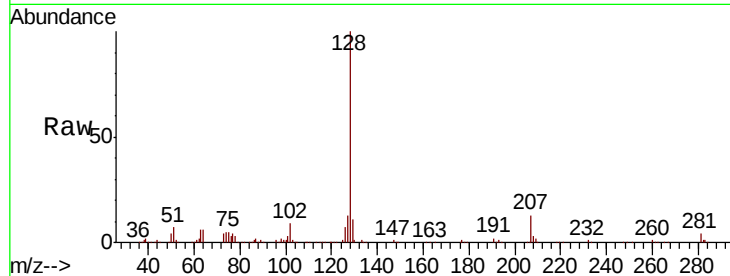
ClientSampleId :

VN1119MBS01

Tot Ion:	128	Resp:	240826
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/20/2019 1:37:28 PM



#96

1,2,3-Trichlorobenzene

Concen: 22.472 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Tgt Ion:	180	Resp:	91557
Ion Ratio	Lower	Upper	
180	100		
182	94.5	47.3	141.8
145	32.9	15.8	47.3

