

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111919\
 Data File : VN059310.D
 Acq On : 19 Nov 2019 17:02
 Operator : JC/SP
 Sample : VN1119MBS04
 Misc : 5.00µl/10mL/100µl/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119MBS04

Manual Integrations
 APPROVED

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 11/20/2019 1:37:01 PM

Quant Time: Nov 20 02:55:43 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	358993	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	563706	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	502631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	230069	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	214928	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
35) Dibromofluoromethane	7.57	113	175007	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
50) Toluene-d8	10.08	98	644563	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	
62) 4-Bromofluorobenzene	12.40	95	238685	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	110592	30.576	ug/l	99
3) Chloromethane	2.04	50	125282	25.481	ug/l	99
4) Vinyl Chloride	2.17	62	133790	28.067	ug/l	99
5) Bromomethane	2.55	94	72402	26.394	ug/l	97
6) Chloroethane	2.69	64	67786	24.039	ug/l	98
7) Trichlorofluoromethane	3.00	101	131945	23.141	ug/l	98
8) Diethyl Ether	3.38	74	55579	23.990	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	84089	24.460	ug/l	100
10) Methyl Iodide	3.93	142	97781	22.979	ug/l	99
11) Tert butyl alcohol	4.74	59	84895	100.944	ug/l	99
12) 1,1-Dichloroethene	3.71	96	81828	24.435	ug/l	99
13) Acrolein	3.58	56	33446	77.134	ug/l	99
14) Allyl chloride	4.29	41	151868	22.077	ug/l	98
15) Acrylonitrile	4.95	53	229774	109.783	ug/l	98
16) Acetone	3.79	43	262793	114.516	ug/l	97
17) Carbon Disulfide	4.03	76	259591	24.971	ug/l	99
18) Methyl Acetate	4.29	43	134211	24.640	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	274570	23.814	ug/l	100
20) Methylene Chloride	4.52	84	93345	23.348	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	88907	24.733	ug/l	95
22) Diisopropyl ether	5.92	45	300232	23.107	ug/l	97
23) Vinyl Acetate	5.86	43	1127677	111.983	ug/l	100
24) 1,1-Dichloroethane	5.82	63	168242	23.183	ug/l	100
25) 2-Butanone	6.81	43	328224	108.524	ug/l	99
26) 2,2-Dichloropropane	6.80	77	142489	22.454	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	98986	23.736	ug/l	97
28) Bromochloromethane	7.17	49	48663	22.288	ug/l	96
29) Tetrahydrofuran	7.18	42	208876	108.692	ug/l	98
30) Chloroform	7.35	83	158730	22.801	ug/l	100
31) Cyclohexane	7.63	56	160054	23.297	ug/l	94
32) 1,1,1-Trichloroethane	7.54	97	137462	23.486	ug/l	99
36) 1,1-Dichloropropene	7.77	75	123729	23.482	ug/l	98
37) Ethyl Acetate	6.90	43	127672	21.781	ug/l	98
38) Carbon Tetrachloride	7.75	117	119902	22.863	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	152523	24.942	ug/l	99
40) Benzene	8.02	78	379772	23.935	ug/l	98
41) Methacrylonitrile	7.15	41	60534m	23.749	ug/l	
42) 1,2-Dichloroethane	8.10	62	126387	23.225	ug/l	99
43) Isopropyl Acetate	8.14	43	202953	21.718	ug/l	99
44) Trichloroethene	8.82	130	93921	24.080	ug/l	99
45) 1,2-Dichloropropane	9.10	63	99182	23.014	ug/l	100
46) Dibromomethane	9.19	93	60659	22.587	ug/l	98
47) Bromodichloromethane	9.39	83	123119	22.958	ug/l	100
48) Methyl methacrylate	9.18	41	89095	21.315	ug/l	98
49) 1,4-Dioxane	9.18	88	30220	406.819	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	615922	116.485	ug/l	100
52) Toluene	10.15	92	227102	23.880	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	141182	22.787	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	155862	23.387	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	88157	22.905	ug/l	99
56) Ethyl methacrylate	10.42	69	130483	21.438	ug/l	98
57) 1,3-Dichloropropane	10.70	76	153949	23.240	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	199800	93.279	ug/l	100
59) 2-Hexanone	10.74	43	456939	112.589	ug/l	100
60) Dibromochloromethane	10.90	129	92620	22.761	ug/l	100
61) 1,2-Dibromoethane	11.00	107	89396	22.944	ug/l	98
64) Tetrachloroethene	10.63	164	96319	28.181	ug/l	96
65) Chlorobenzene	11.43	112	235118	23.996	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	85733	23.325	ug/l	100
67) Ethyl Benzene	11.51	91	429760	24.721	ug/l	98
68) m/p-Xylenes	11.62	106	319376	49.045	ug/l	100
69) o-Xylene	11.95	106	152369	24.212	ug/l	97
70) Styrene	11.96	104	236655	23.911	ug/l	99
71) Bromoform	12.13	173	63742	22.295	ug/l #	99
73) Isopropylbenzene	12.25	105	408783	24.426	ug/l	100
74) N-amyl acetate	12.07	43	152282	21.474	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	128126	22.482	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	117629m	22.457	ug/l	
77) Bromobenzene	12.53	156	98210	23.358	ug/l	96
78) n-propylbenzene	12.59	91	465882	24.313	ug/l	99
79) 2-Chlorotoluene	12.67	91	280033	23.558	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	343677	24.236	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	41327	20.840	ug/l	98
82) 4-Chlorotoluene	12.77	91	282772	23.717	ug/l	99
83) tert-Butylbenzene	12.99	119	290813	23.747	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	334945	24.413	ug/l	99
85) sec-Butylbenzene	13.17	105	392176	24.624	ug/l	100
86) p-Isopropyltoluene	13.29	119	348996	24.817	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	167788	23.304	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	167331	23.228	ug/l	100
89) n-Butylbenzene	13.62	91	299572	24.339	ug/l	99
90) Hexachloroethane	13.88	117	61779	21.878	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	167450	23.642	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22906	20.161	ug/l	96

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VN1119MBS04

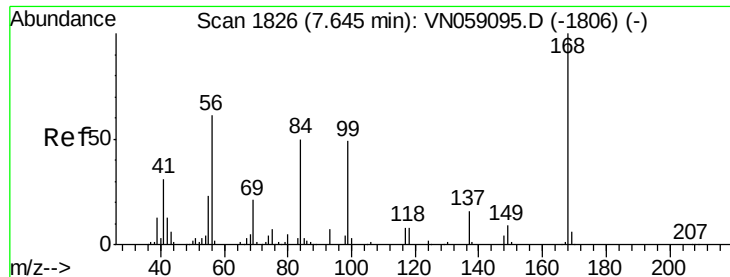
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Quant Title : SW846 8260
QLast Update : Thu Nov 07 04:00:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	90970	22.926	ug/l	99
94) Hexachlorobutadiene	15.01	225	59849	24.507	ug/l	97
95) Naphthalene	15.13	128	240808	22.013	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	90288	22.747	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS04

Tot Ion:168 Resp: 358993

Ion Ratio Lower Upper

168 100

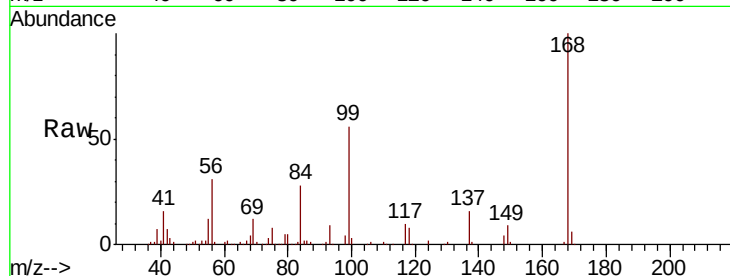
99 55.7 45.7 68.5

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

150000

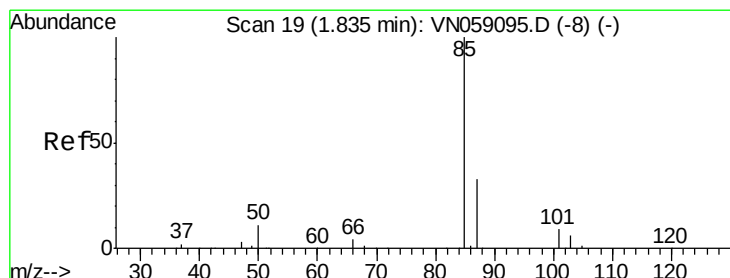
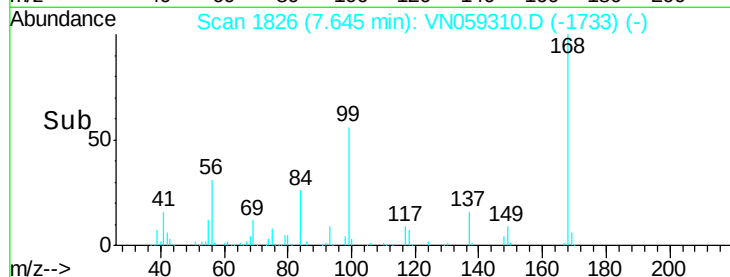
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 30.576 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059310.D

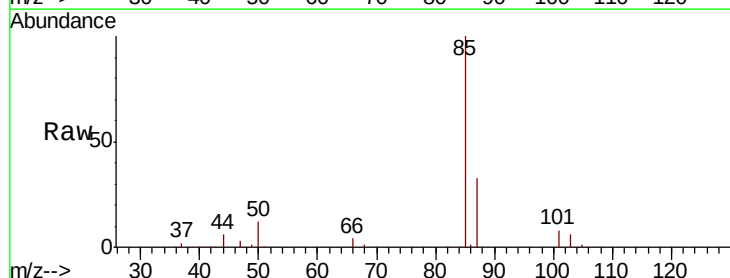
Acq: 19 Nov 2019 17:02

Tgt Ion: 85 Resp: 110592

Ion Ratio Lower Upper

85 100

87 33.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

80000

60000

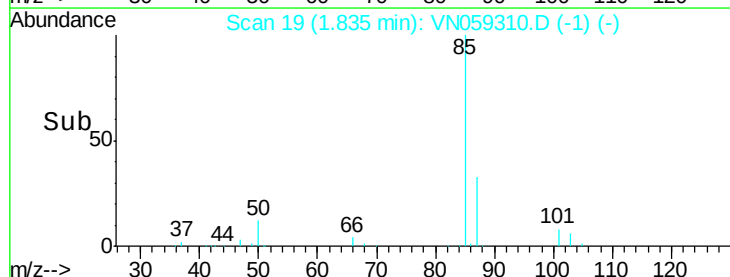
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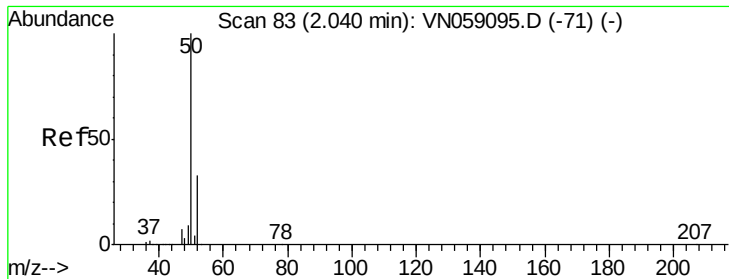
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 25.481 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS04

Tot Ion: 50 Resp: 125282

Ion Ratio Lower Upper

50 100

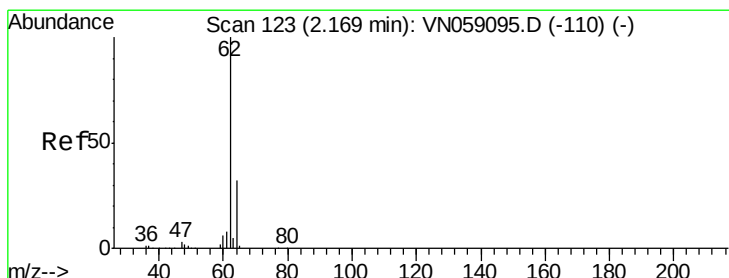
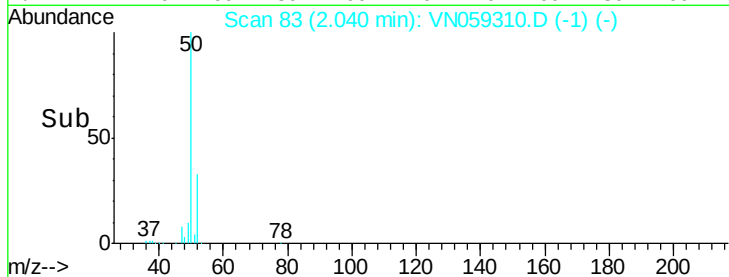
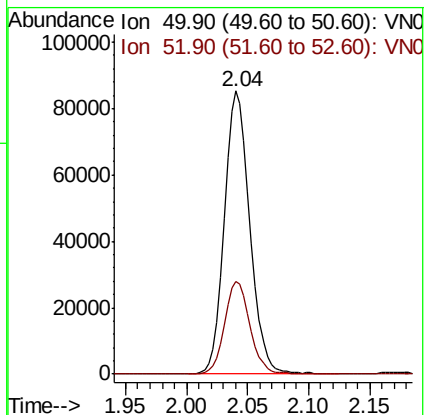
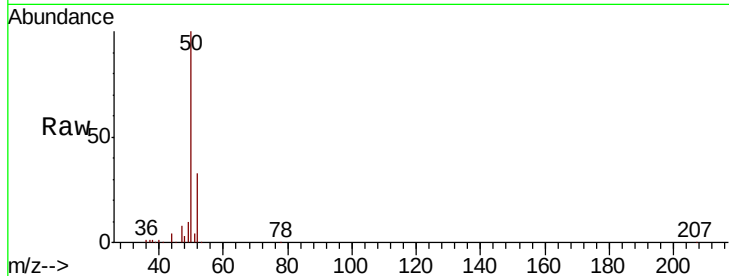
52 32.9 26.0 39.0

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#4

Vinyl Chloride

Concen: 28.067 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN059310.D

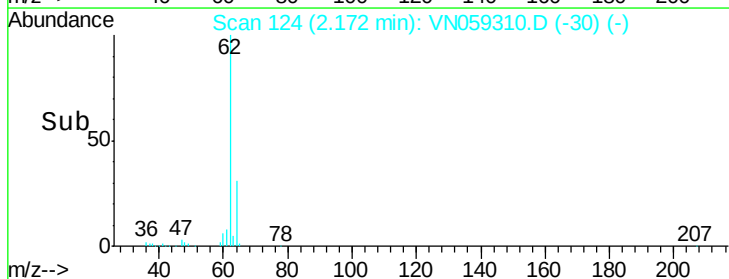
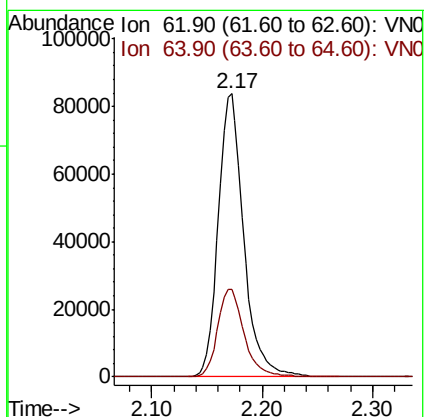
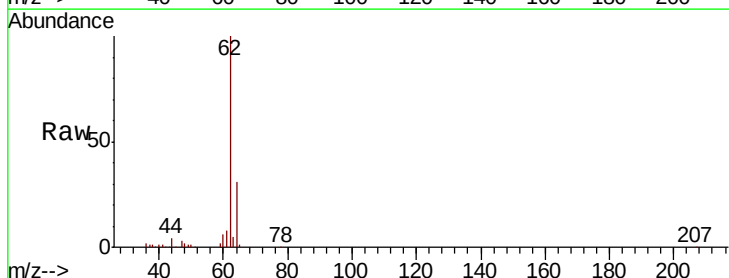
Acq: 19 Nov 2019 17:02

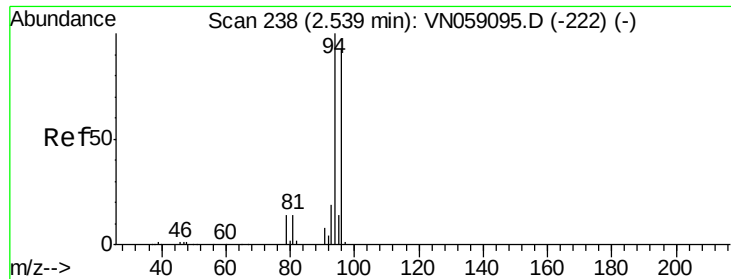
Tgt Ion: 62 Resp: 133790

Ion Ratio Lower Upper

62 100

64 31.1 25.4 38.2





#5

Bromomethane

Concen: 26.394 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS04

Tot Ion: 94 Resp: 72402

Ion Ratio Lower Upper

94 100

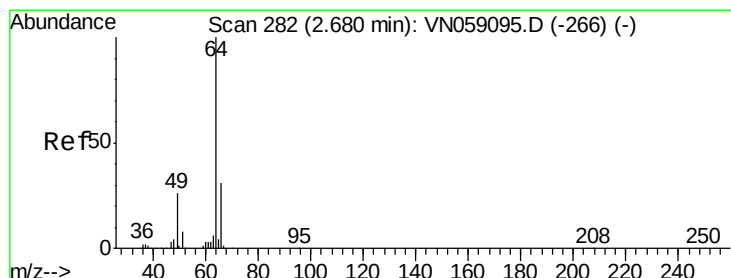
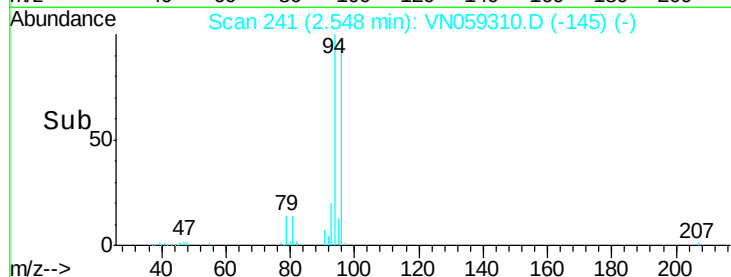
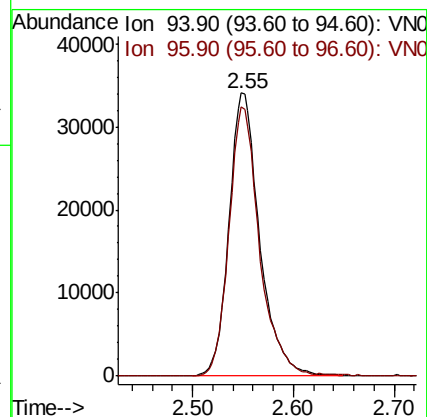
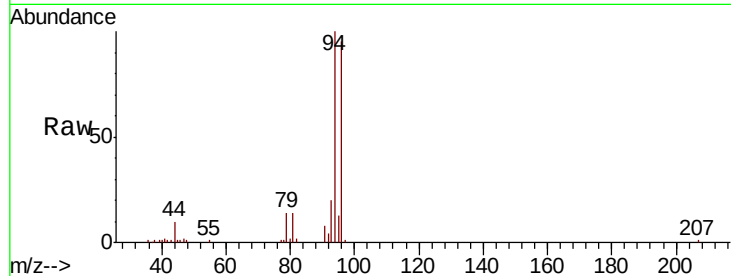
96 95.1 74.2 111.2

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#6

Chloroethane

Concen: 24.039 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN059310.D

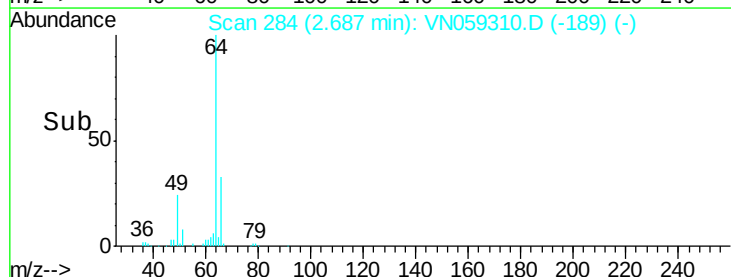
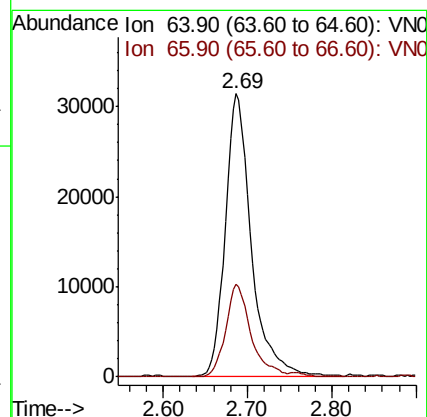
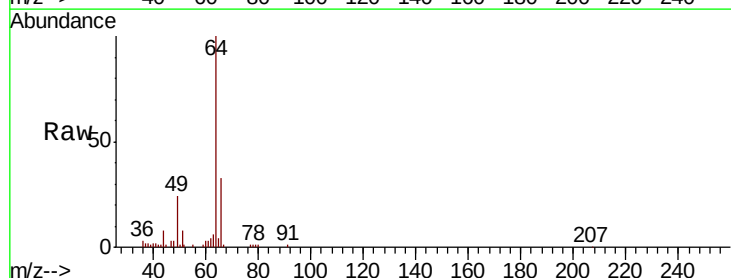
Acq: 19 Nov 2019 17:02

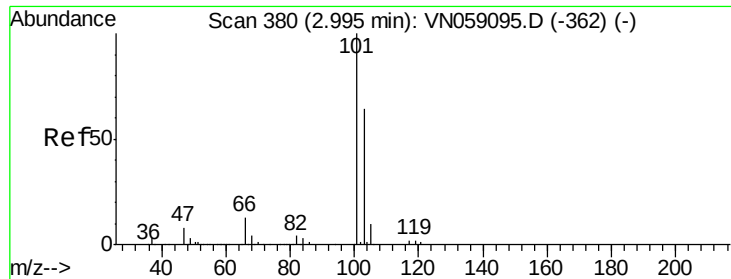
Tgt Ion: 64 Resp: 67786

Ion Ratio Lower Upper

64 100

66 32.6 25.2 37.8





#7

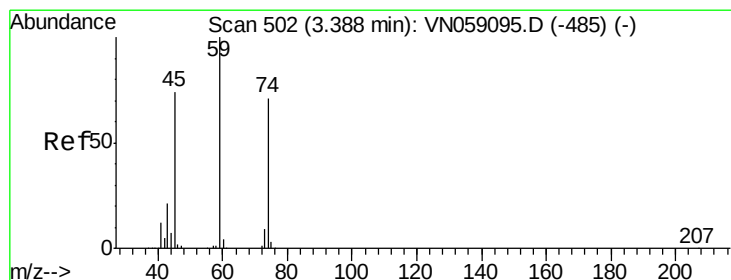
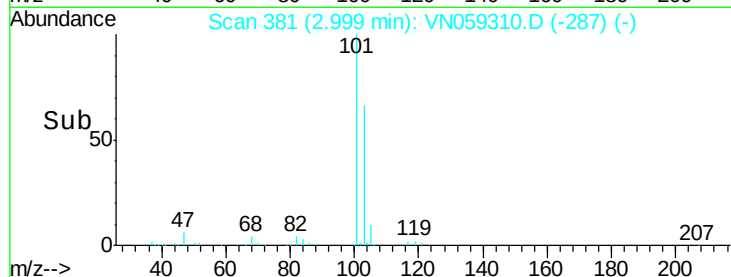
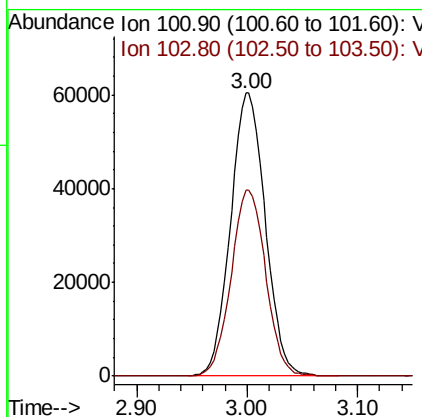
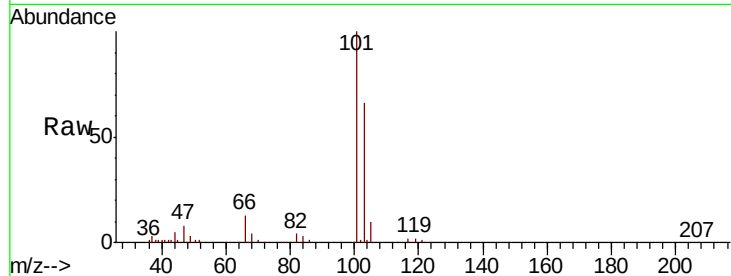
Trichlorofluoromethane
 Concen: 23.141 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN059310.D
 Acq: 19 Nov 2019 17:02

Instrument :
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 ClientSampleId :
 VN1119MBS04

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.2	76.8

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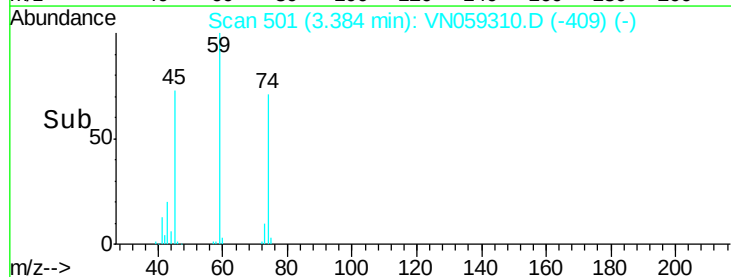
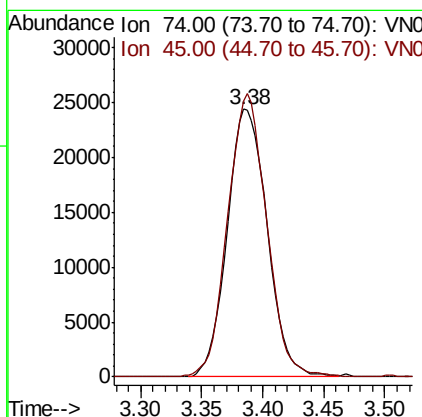
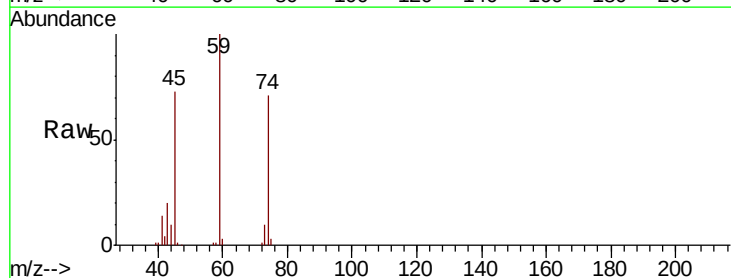
MMDadoda
 11/20/2019 1:37:01 PM

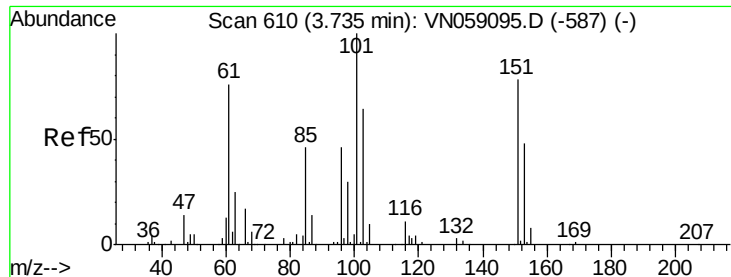


#8

Diethyl Ether
 Concen: 23.990 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059310.D
 Acq: 19 Nov 2019 17:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.2	51.6	154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.460 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

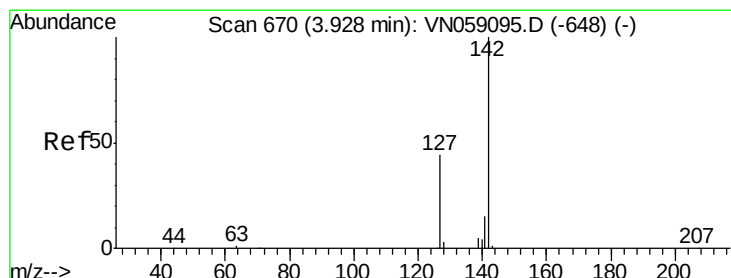
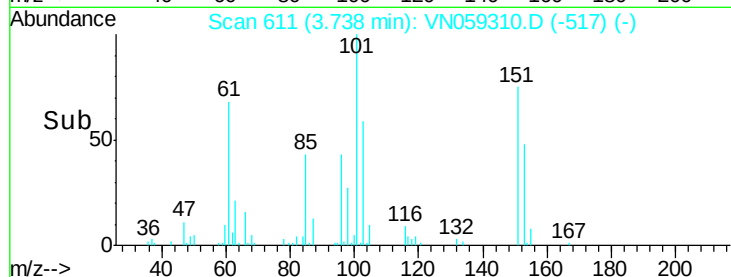
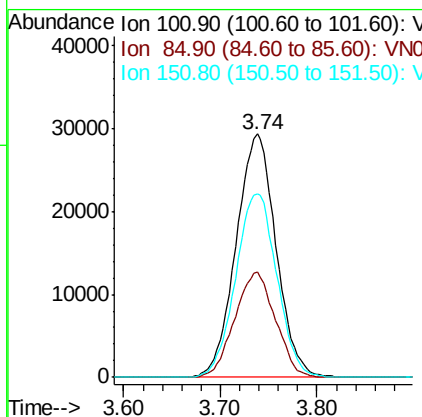
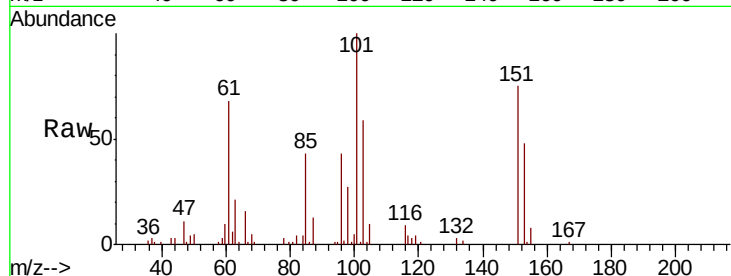
ClientSampleId :

VN1119MBS04

Tot Ion:	101	Resp:	84089
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.5	53.3
151	78.0	62.2	93.2

Manual Integrations
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#10

Methyl Iodide

Concen: 22.979 ug/l

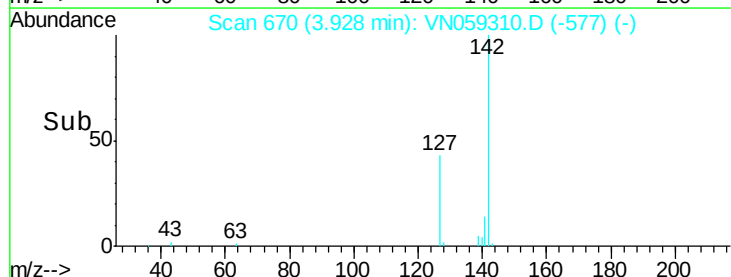
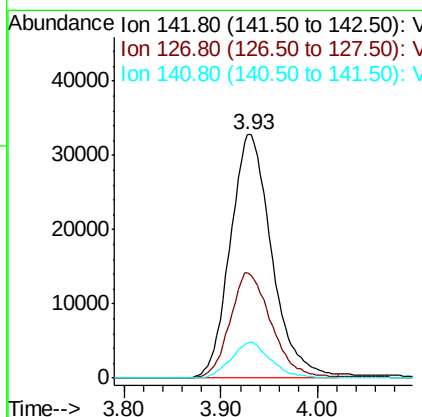
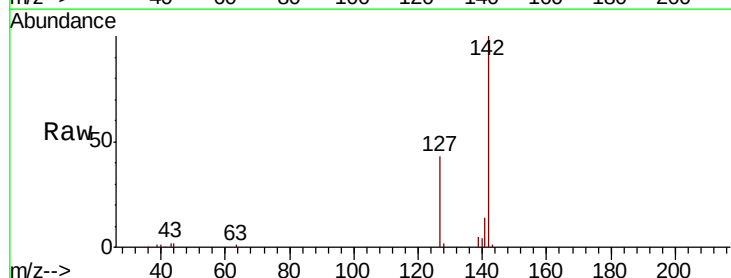
RT: 3.93 min Scan# 670

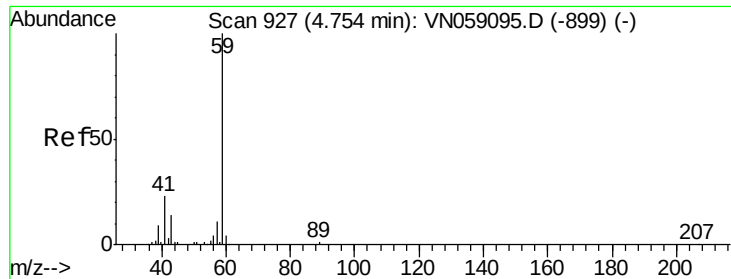
Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Tgt Ion:	142	Resp:	97781
Ion Ratio	Lower	Upper	
142	100		
127	43.0	34.2	51.2
141	13.9	11.4	17.0





#11

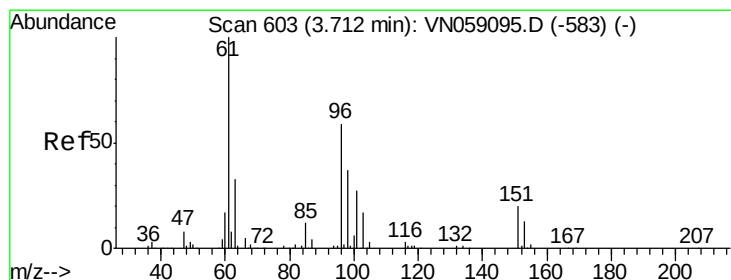
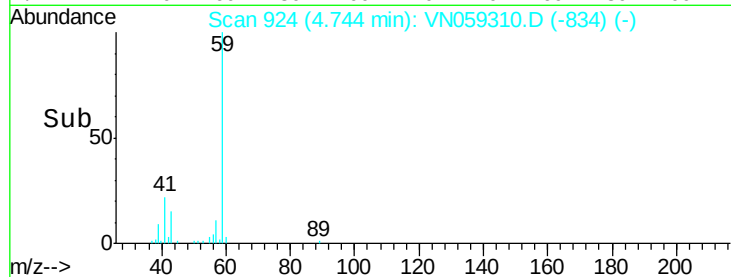
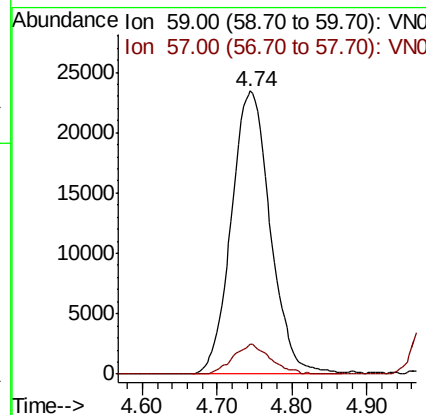
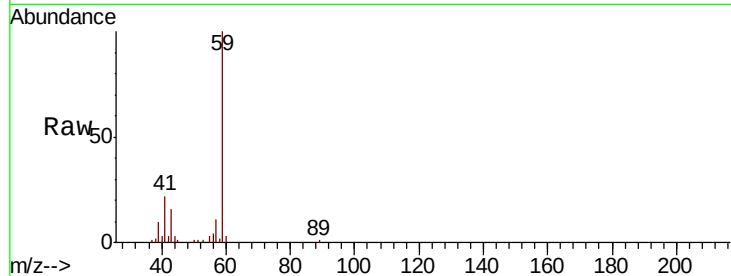
Tert butyl alcohol
 Concen: 100.944 ug/l
 RT: 4.74 min Scan# 924
 Delta R.T. -0.01 min
 Lab File: VN059310.D
 Acq: 19 Nov 2019 17:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119MBS04

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.3	12.5

Manual Integrations
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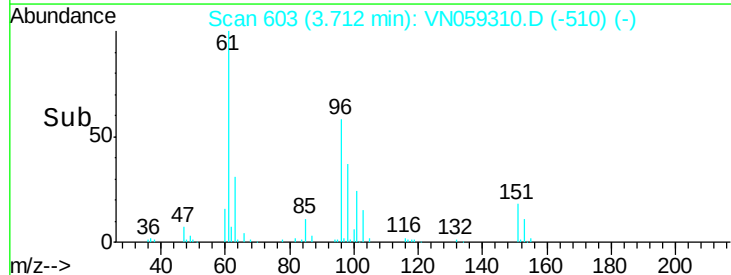
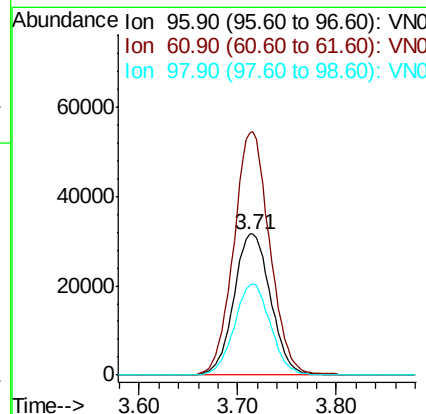
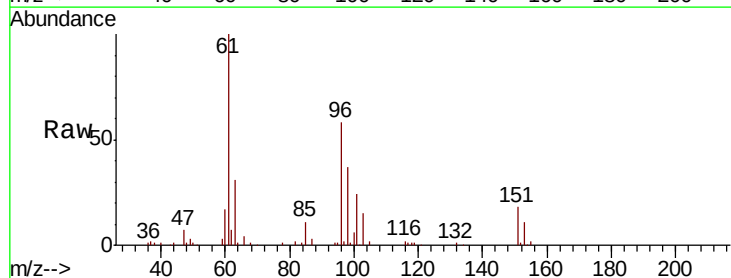
MMDadoda
 11/20/2019 1:37:01 PM

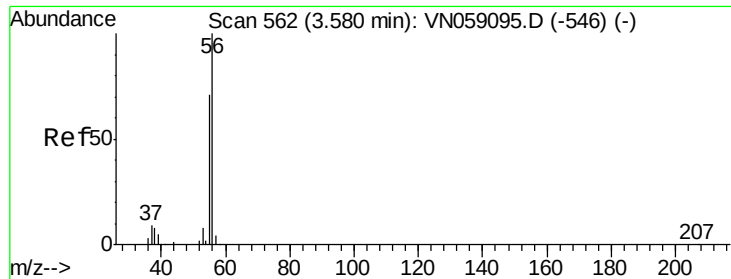


#12

1,1-Dichloroethene
 Concen: 24.435 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: VN059310.D
 Acq: 19 Nov 2019 17:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.9	136.5	204.7
98	63.9	50.2	75.4





#13

Acrolein

Concen: 77.134 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS04

Tot Ion: 56 Resp: 33446

Ion Ratio Lower Upper

56 100

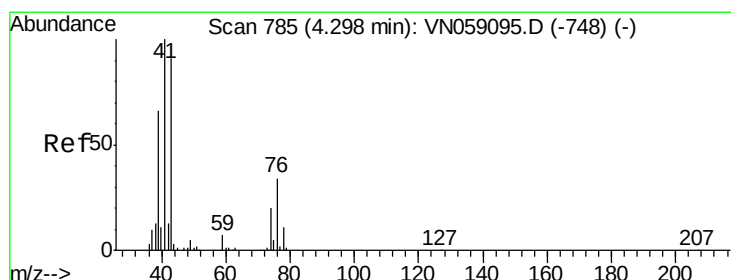
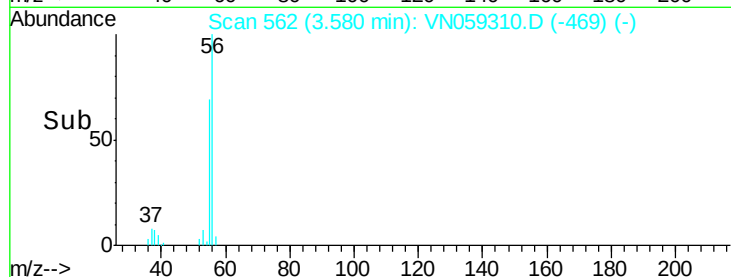
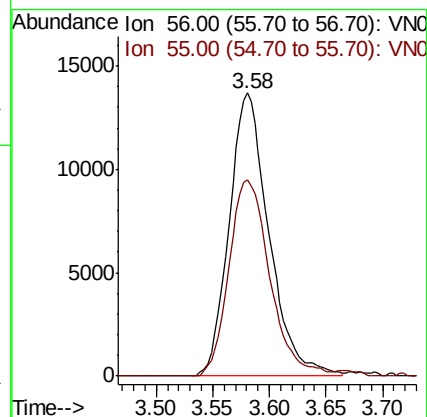
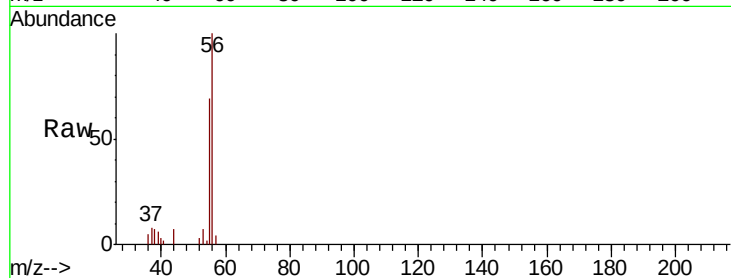
55 71.6 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 22.077 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

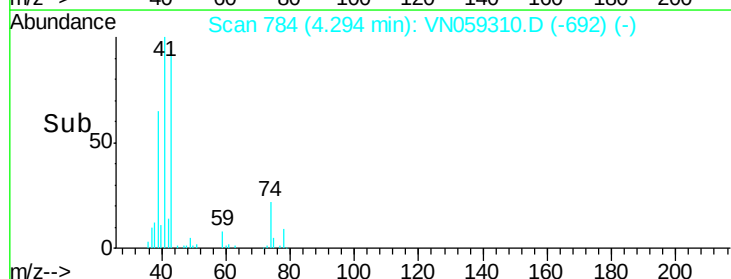
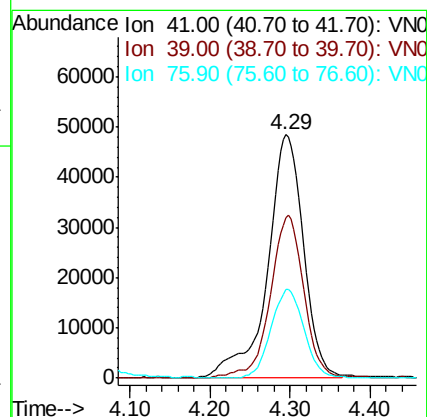
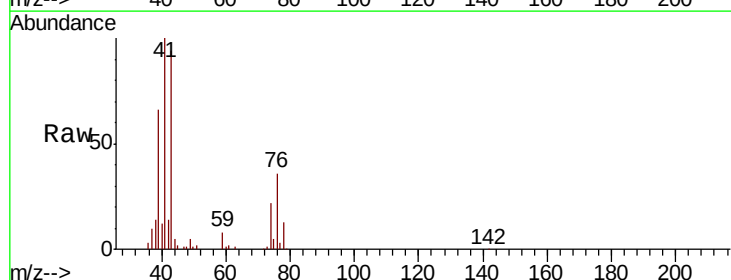
Tgt Ion: 41 Resp: 151868

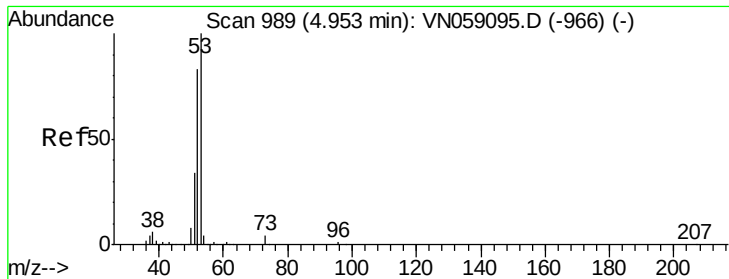
Ion Ratio Lower Upper

41 100

39 62.1 49.1 73.7

76 33.5 24.9 37.3





#15

Acrylonitrile

Concen: 109.783 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

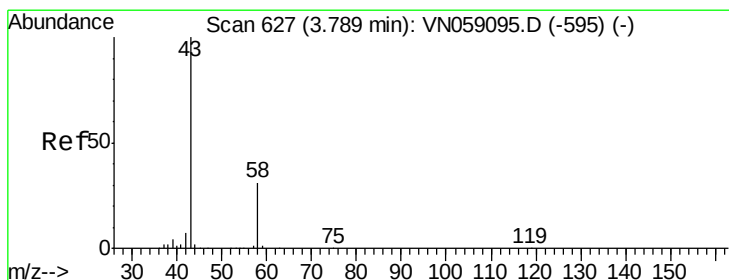
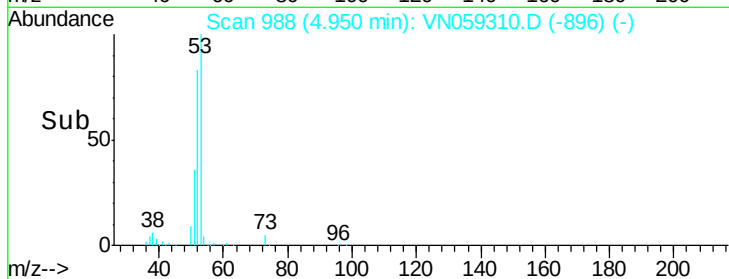
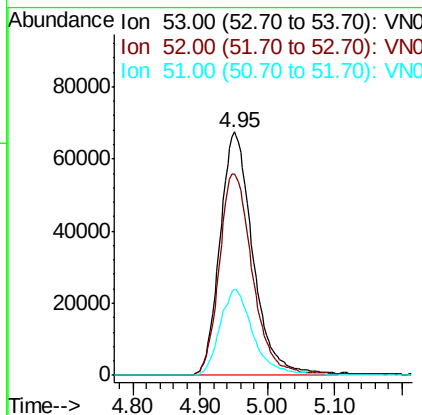
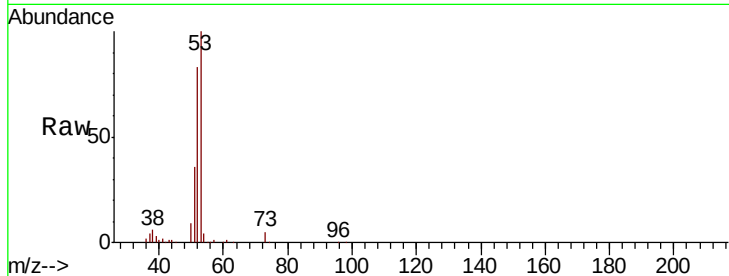
ClientSampleId :

VN1119MBS04

Tot Ion	53	Resp	229774
Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.0	97.6
51	35.7	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 114.516 ug/l

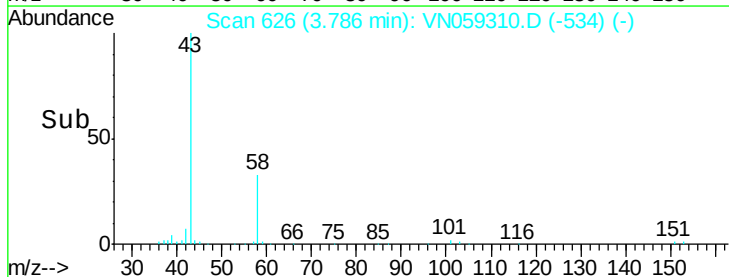
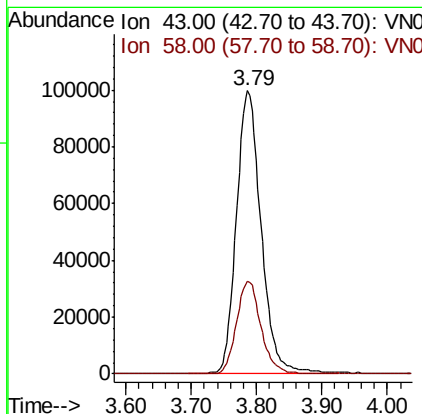
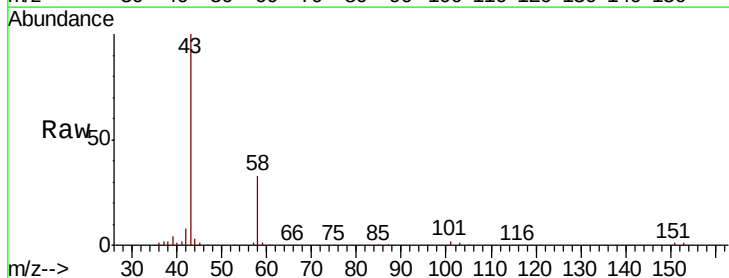
RT: 3.79 min Scan# 626

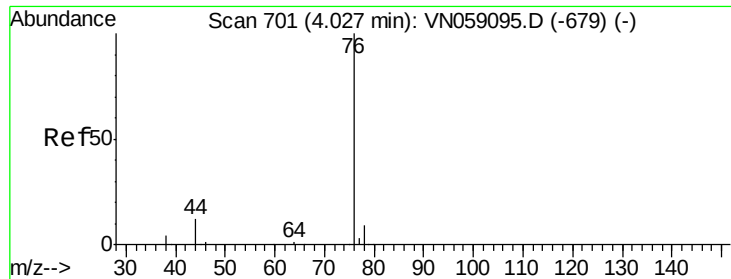
Delta R.T. -0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Tgt Ion	43	Resp	262793
Ion	Ratio	Lower	Upper
43	100		
58	32.6	24.9	37.3





#17

Carbon Disulfide

Concen: 24.971 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS04

Tot Ion: 76 Resp: 259591

Ion Ratio Lower Upper

76 100

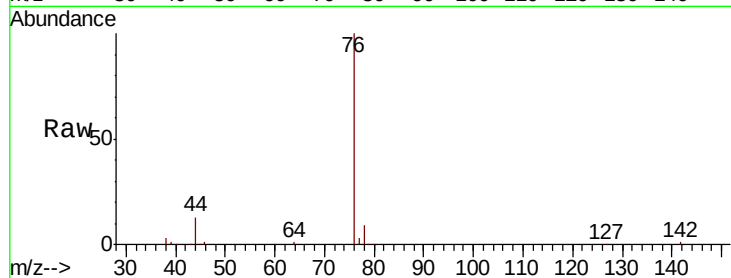
78 8.8 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

100000

80000

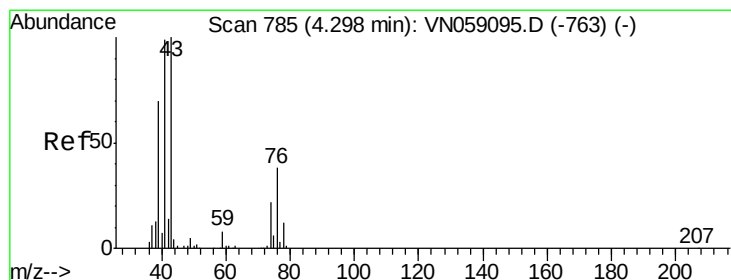
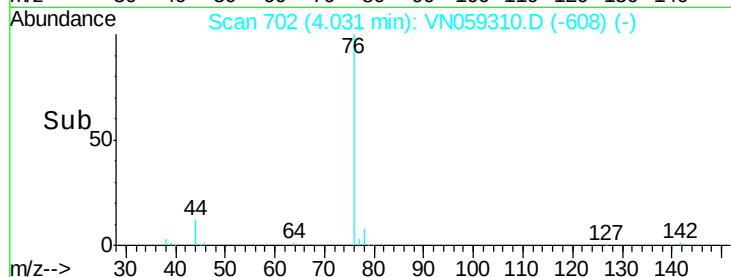
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 24.640 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN059310.D

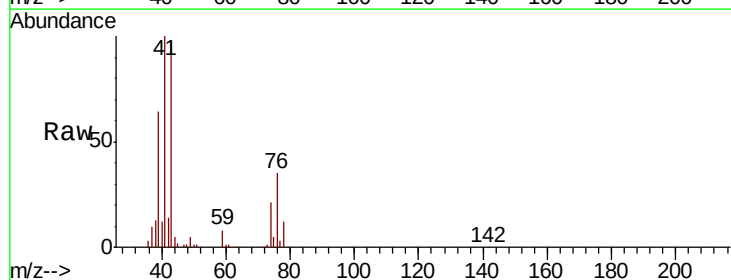
Acq: 19 Nov 2019 17:02

Tgt Ion: 43 Resp: 134211

Ion Ratio Lower Upper

43 100

74 22.2 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.29

50000

40000

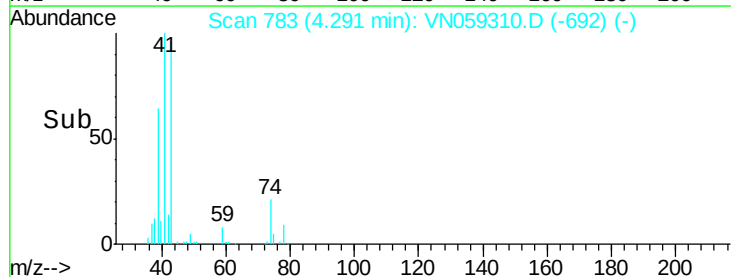
30000

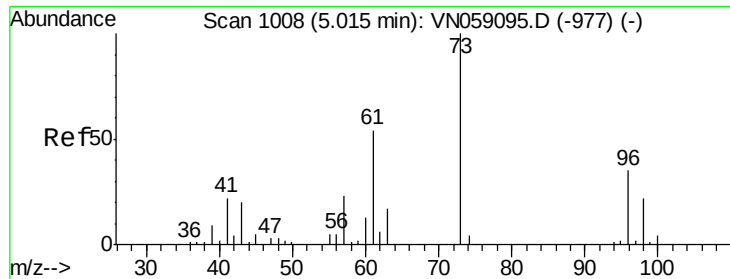
20000

10000

0

Time-->





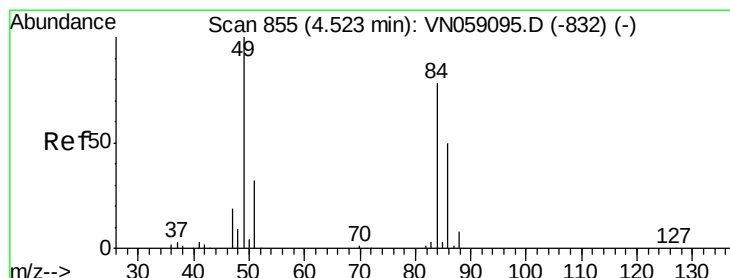
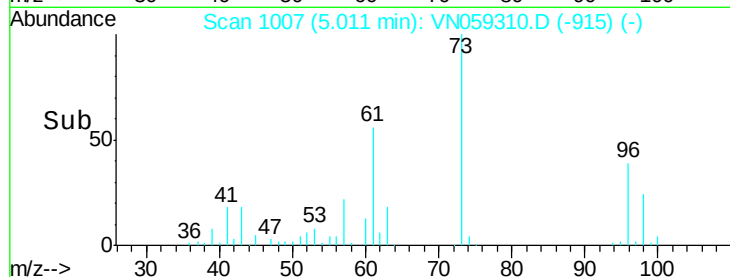
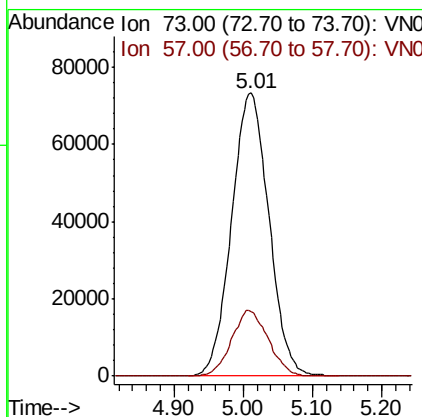
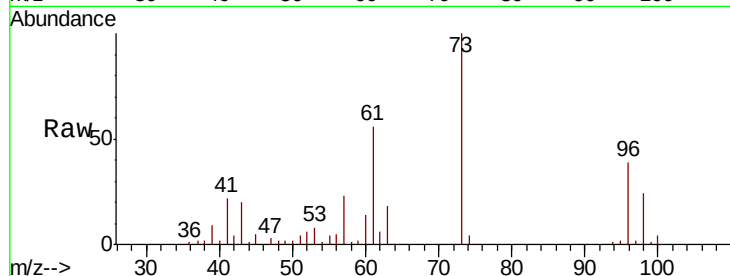
#19
Methyl tert-butyl Ether
Concen: 23.814 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059310.D
Acq: 19 Nov 2019 17:02

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS04

Tot Ion: 73 Resp: 274570
Ion Ratio Lower Upper
73 100
57 23.0 18.4 27.6

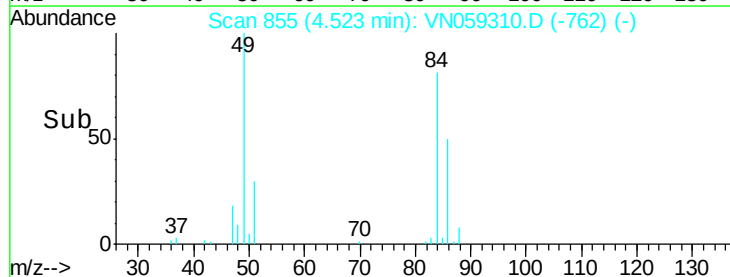
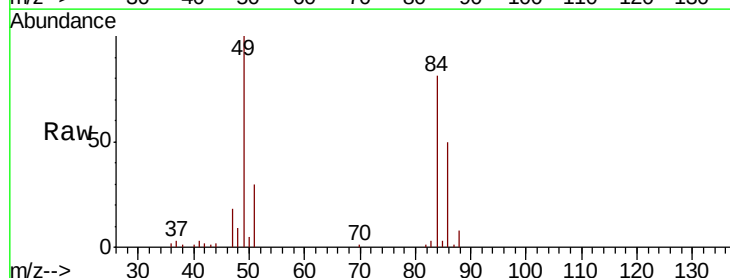
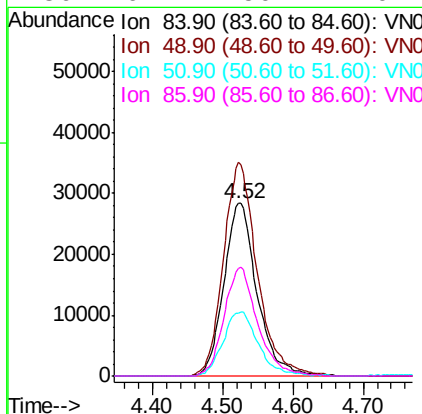
Manual Integrations
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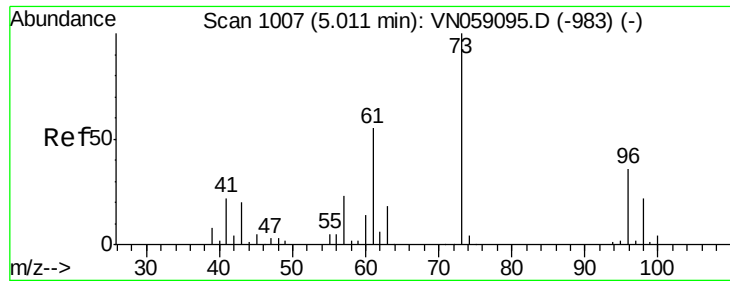
MMDadoda
11/20/2019 1:37:01 PM



#20
Methylene Chloride
Concen: 23.348 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059310.D
Acq: 19 Nov 2019 17:02

Tgt Ion: 84 Resp: 93345
Ion Ratio Lower Upper
84 100
49 123.8 102.0 153.0
51 36.6 32.2 48.2
86 62.4 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 24.733 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

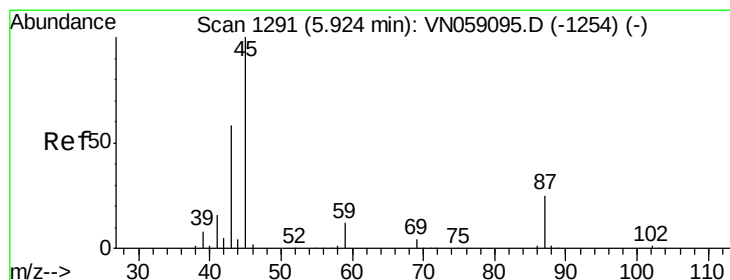
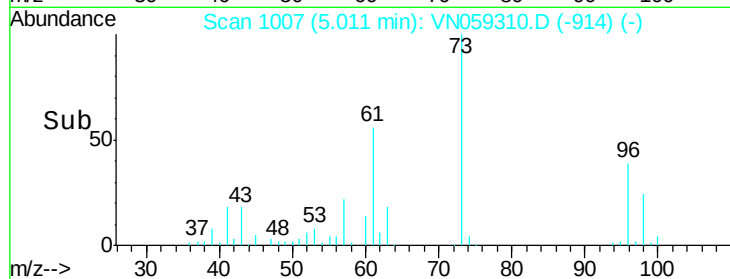
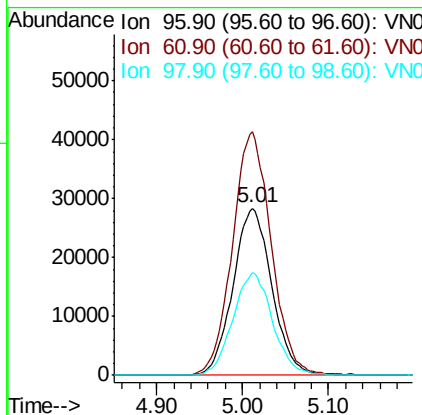
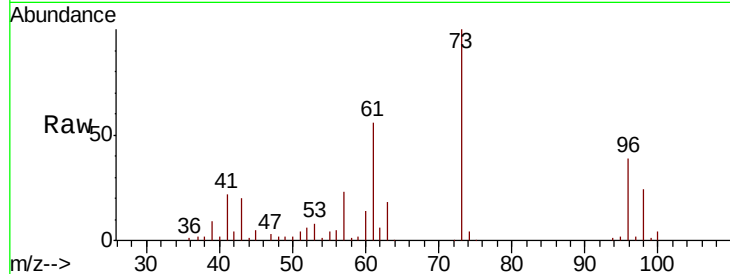
ClientSampleId :

VN1119MBS04

Tot Ion:	96	Resp:	88907
Ion	Ratio	Lower	Upper
96	100		
61	145.9	122.6	183.8
98	61.4	50.3	75.5

Manual Integrations
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11/20/2019 1:37:01 PM



#22

Diisopropyl ether

Concen: 23.107 ug/l

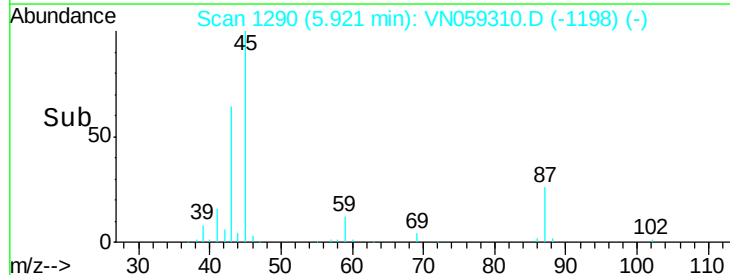
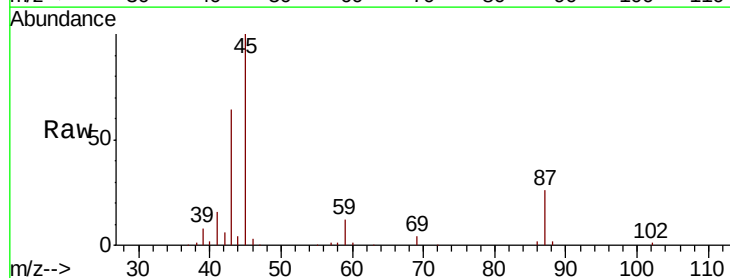
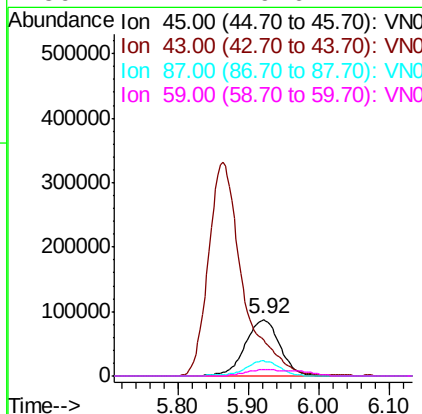
RT: 5.92 min Scan# 1290

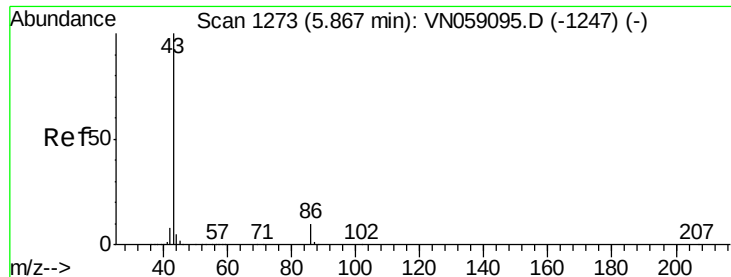
Delta R.T. -0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Tgt Ion:	45	Resp:	300232
Ion	Ratio	Lower	Upper
45	100		
43	62.1	46.7	70.1
87	26.2	20.5	30.7
59	11.7	9.6	14.4





#23

Vinyl Acetate

Concen: 111.983 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS04

Tot Ion: 43 Resp: 1127677

Ion Ratio Lower Upper

43 100

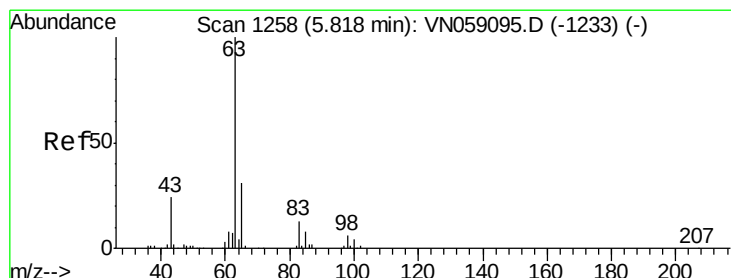
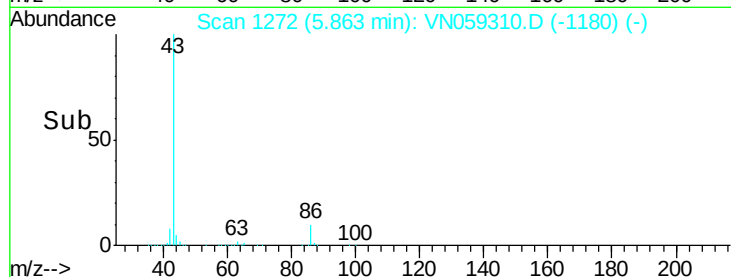
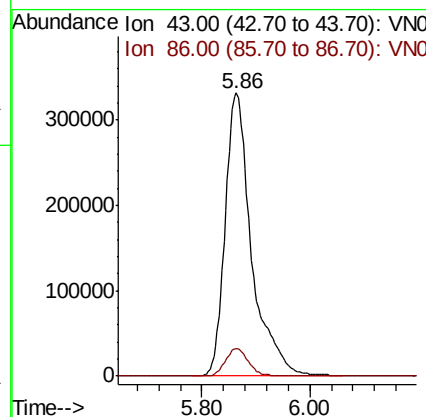
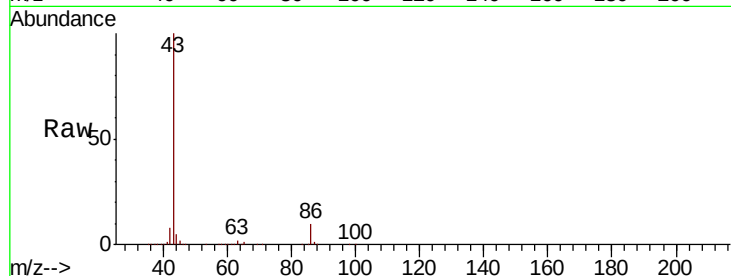
86 9.7 7.7 11.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 23.183 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

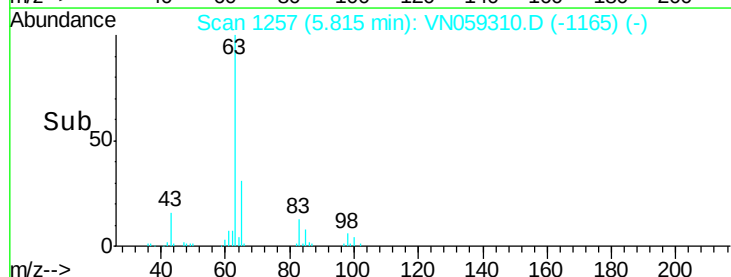
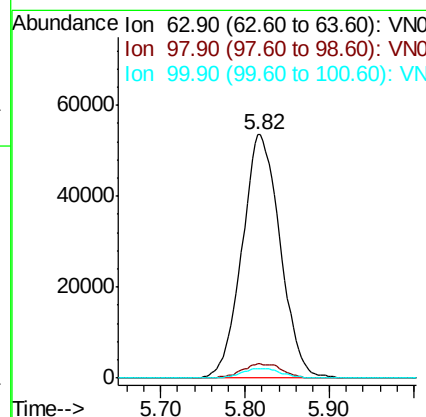
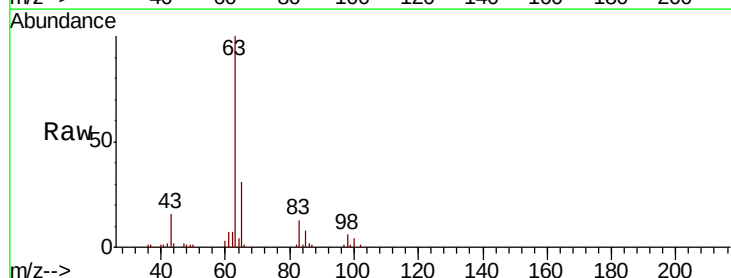
Tgt Ion: 63 Resp: 168242

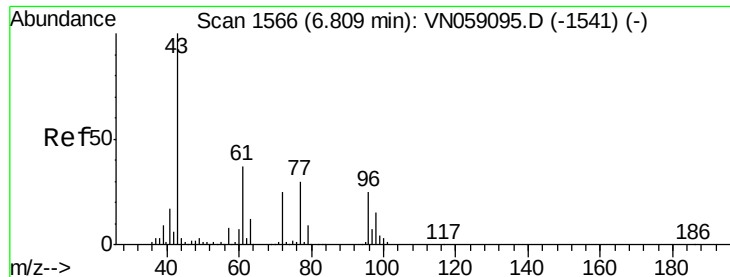
Ion Ratio Lower Upper

63 100

98 5.9 2.8 8.4

100 3.8 1.9 5.7





#25

2-Butanone

Concen: 108.524 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS04

Tot Ion: 43 Resp: 328224

Ion Ratio Lower Upper

43 100

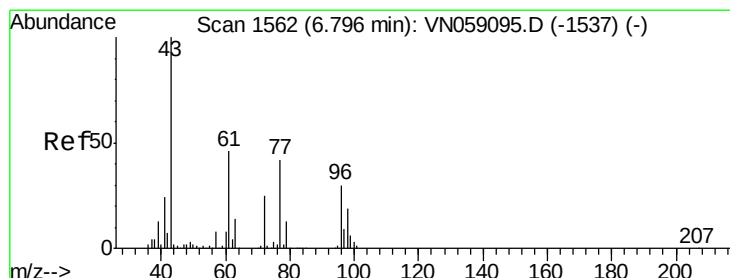
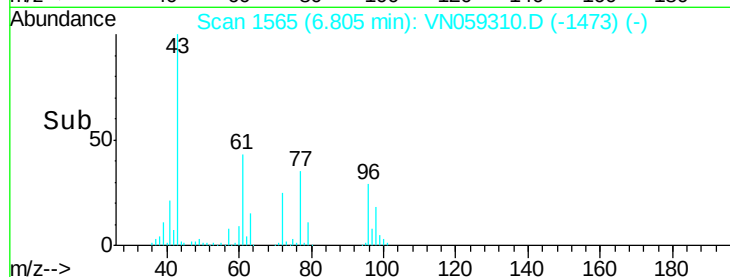
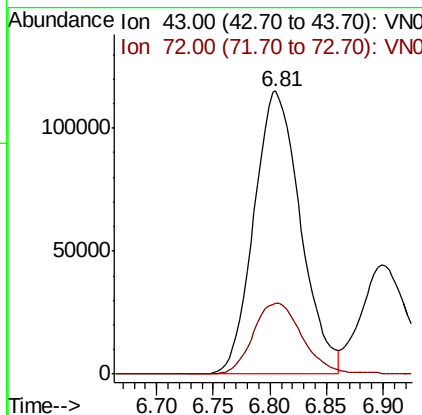
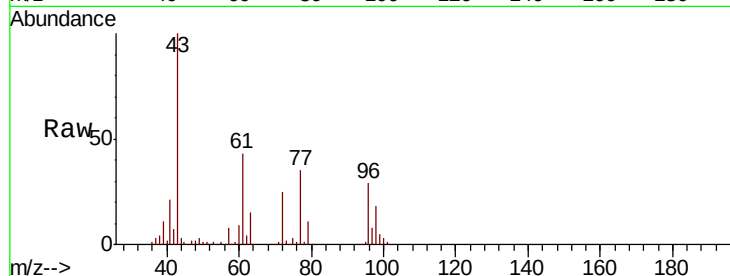
72 25.1 20.3 30.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 22.454 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059310.D

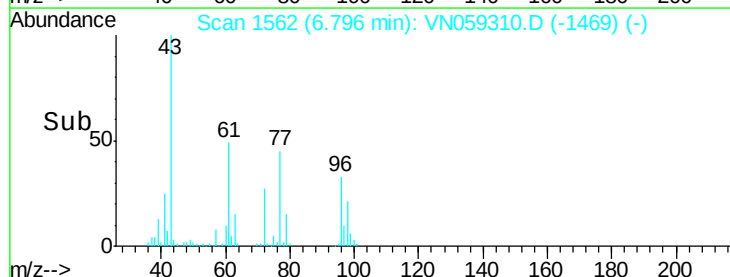
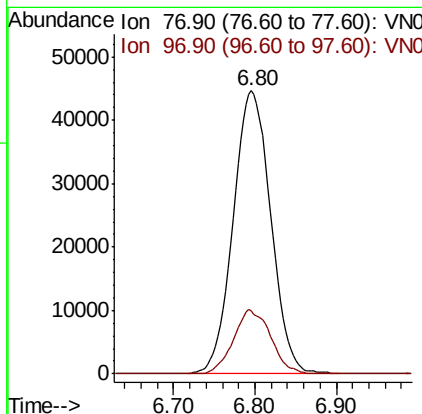
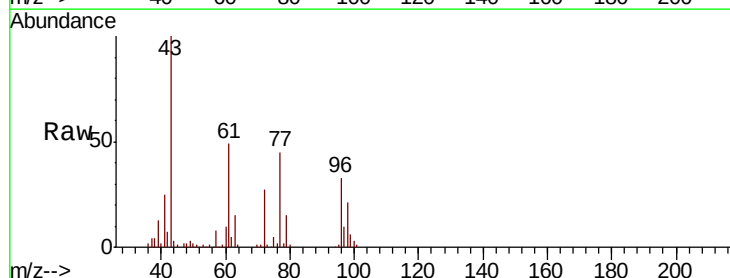
Acq: 19 Nov 2019 17:02

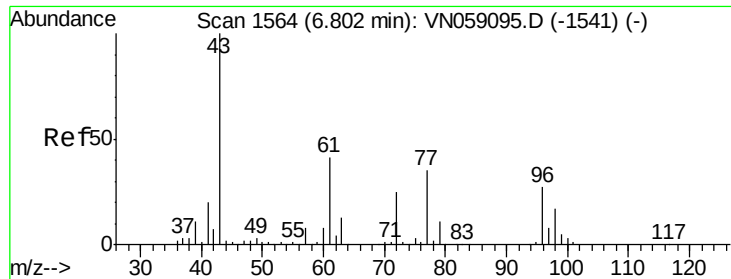
Tgt Ion: 77 Resp: 142489

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 23.736 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

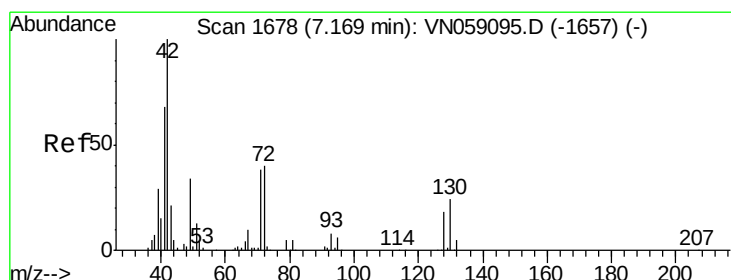
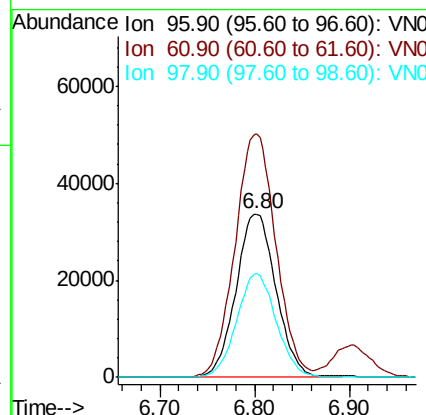
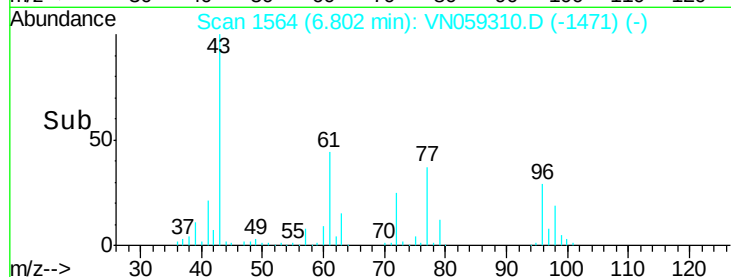
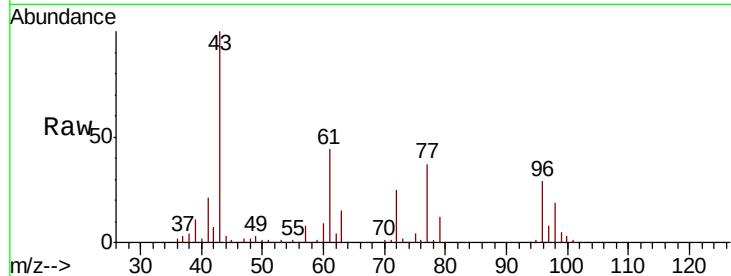
ClientSampleId :

VN1119MBS04

Tot Ion:	96	Resp:	98986
Ion	Ratio	Lower	Upper
96	100		
61	152.4	0.0	311.6
98	62.9	0.0	129.8

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#28

Bromochloromethane

Concen: 22.288 ug/l

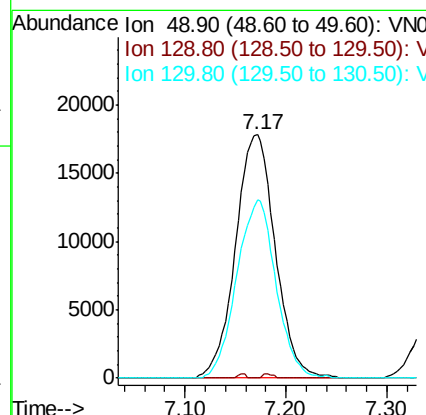
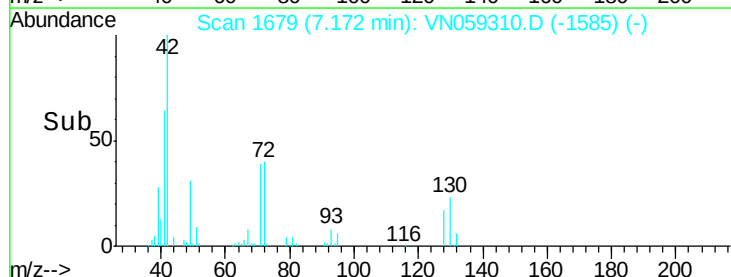
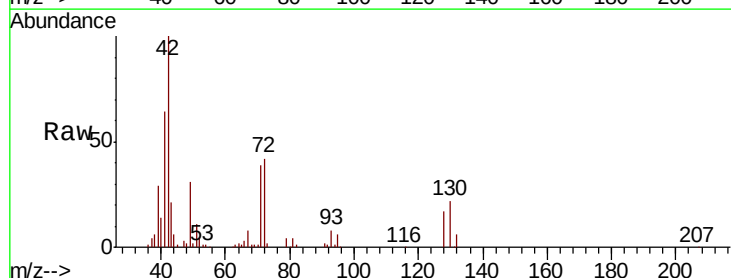
RT: 7.17 min Scan# 1679

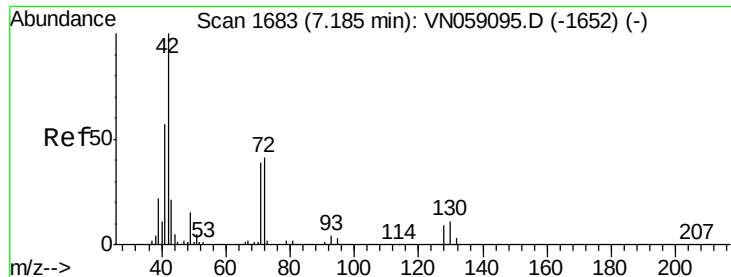
Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Tgt Ion:	49	Resp:	48663
Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	3.8
130	72.5	55.6	83.4





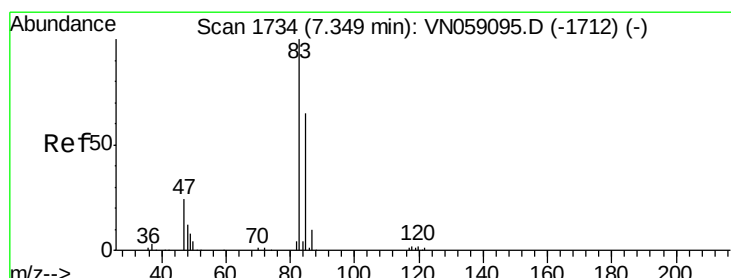
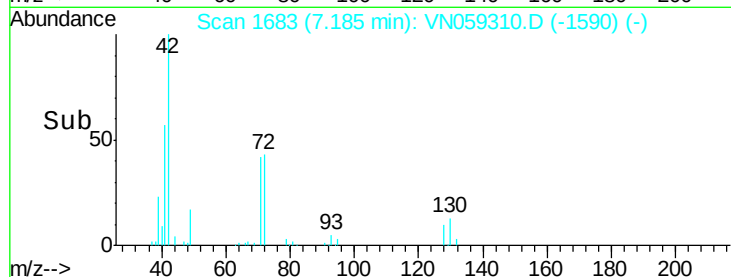
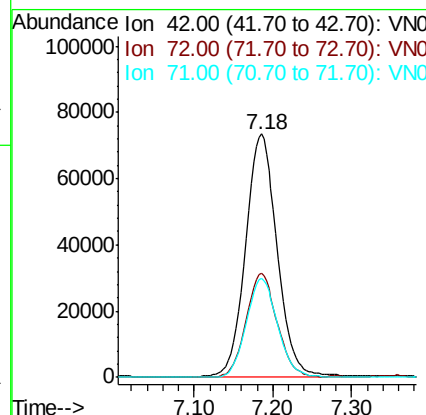
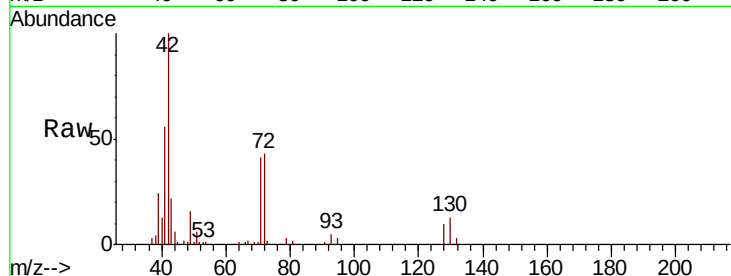
#29
Tetrahydrofuran
Concen: 108.692 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059310.D
Acq: 19 Nov 2019 17:02

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS04

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	33.1	49.7
71	40.1	30.9	46.3

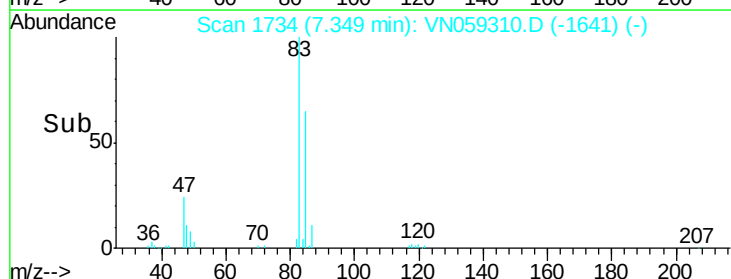
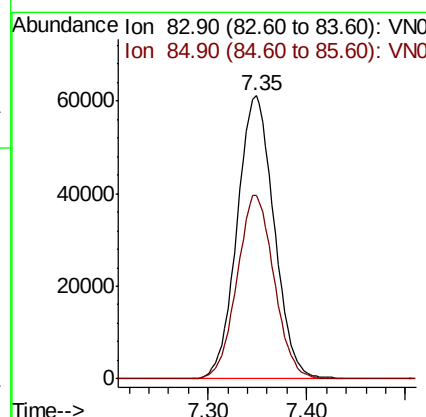
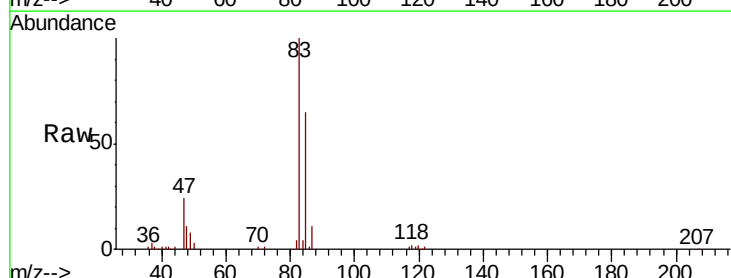
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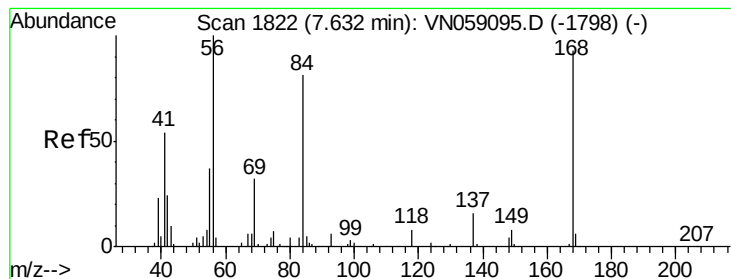
MMDadoda
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#30
Chloroform
Concen: 22.801 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059310.D
Acq: 19 Nov 2019 17:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.8	77.8





#31

Cyclohexane

Concen: 23.297 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

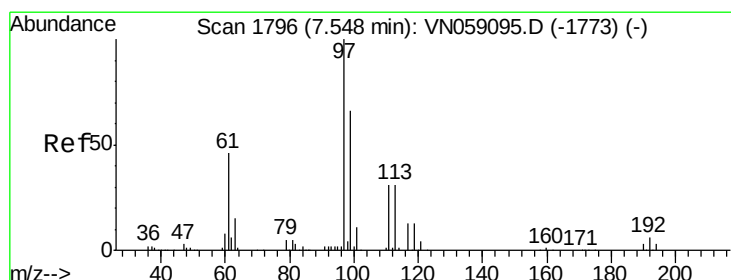
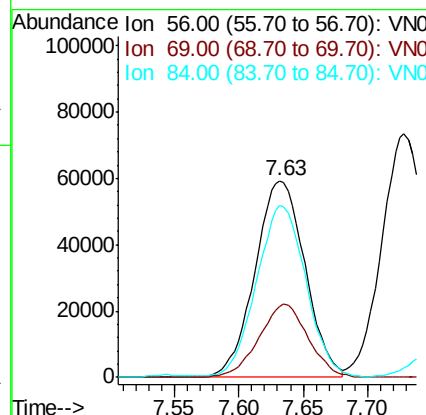
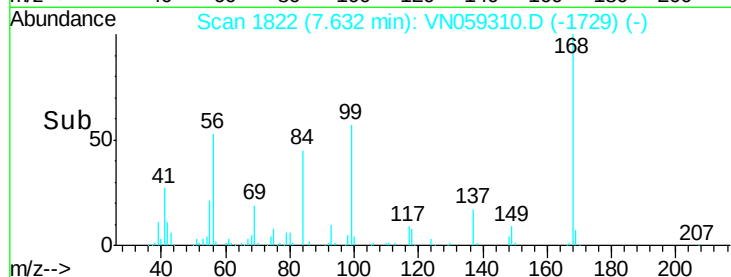
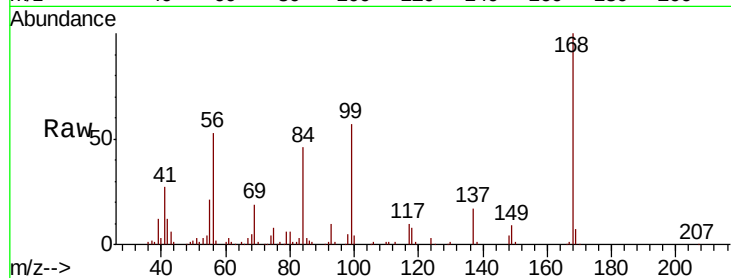
ClientSampleId :

VN1119MBS04

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.0	25.8	38.8
84	86.4	65.0	97.4

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#32

1,1,1-Trichloroethane

Concen: 23.486 ug/l

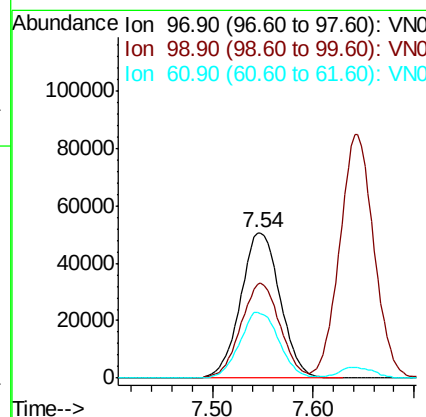
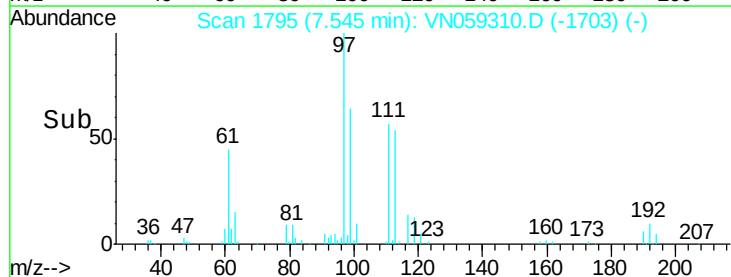
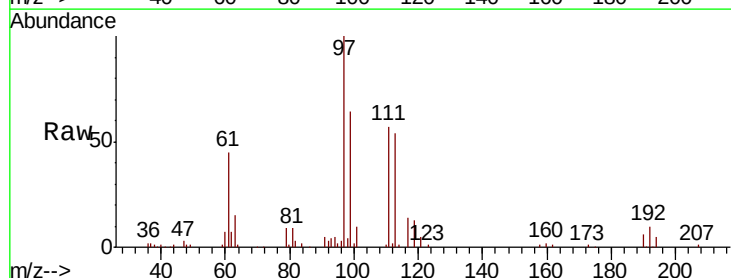
RT: 7.54 min Scan# 1795

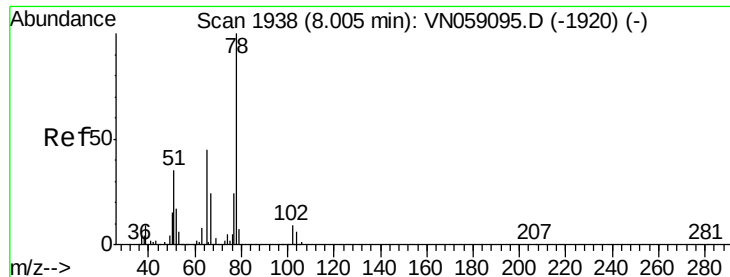
Delta R.T. -0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.0	76.6
61	45.1	35.8	53.8





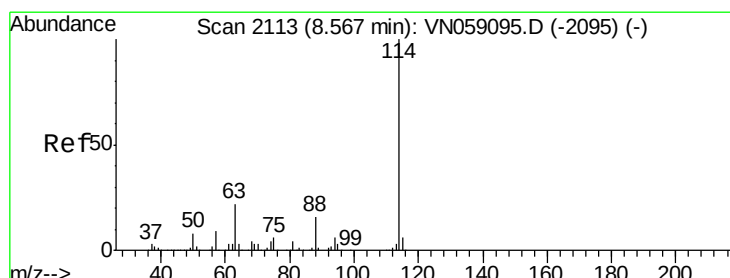
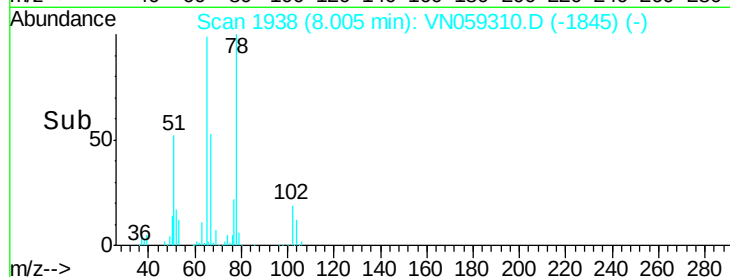
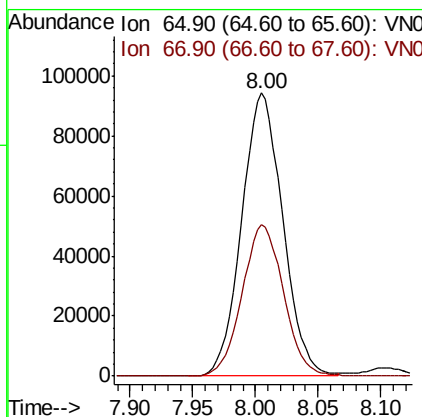
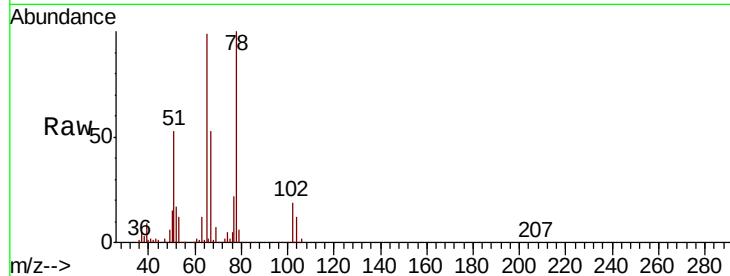
#33
 1,2-Dichloroethane-d4
 Concen: 48.704 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059310.D
 Acq: 19 Nov 2019 17:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119MBS04

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	107.4

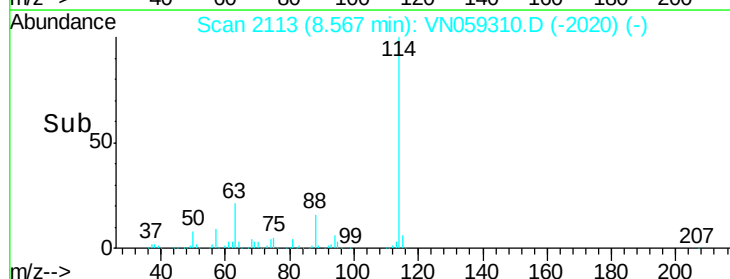
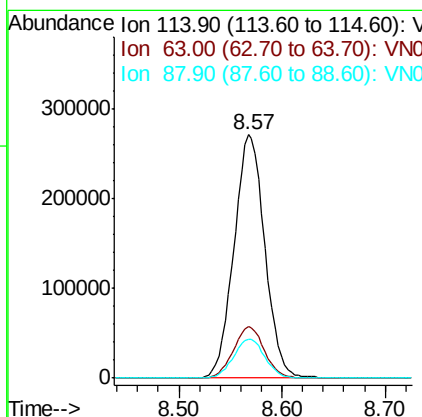
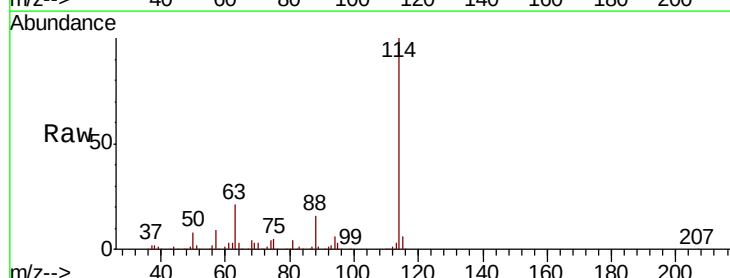
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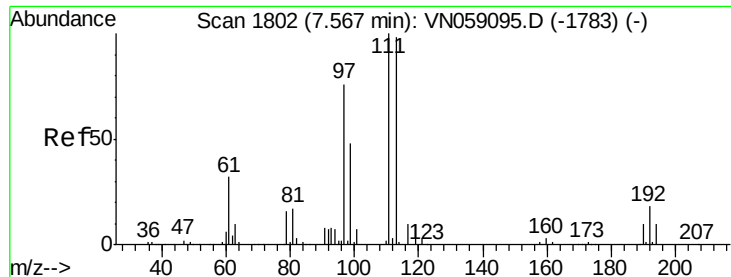
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059310.D
 Acq: 19 Nov 2019 17:02

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	43.4
88	16.0	0.0	32.2





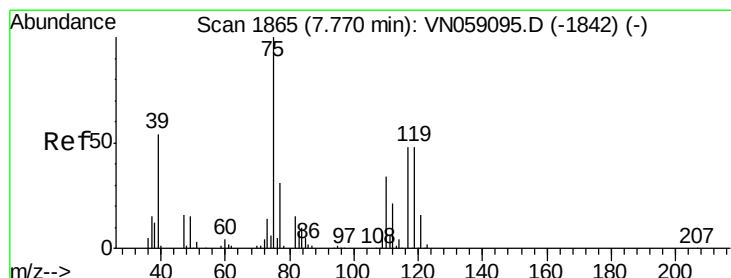
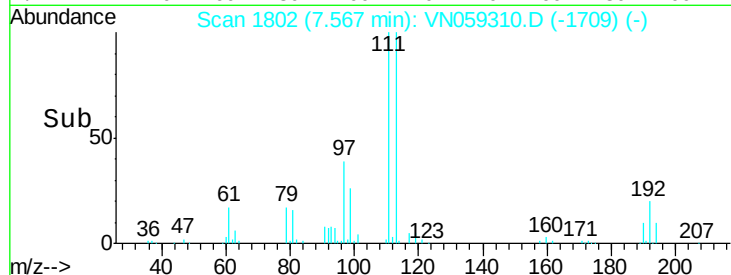
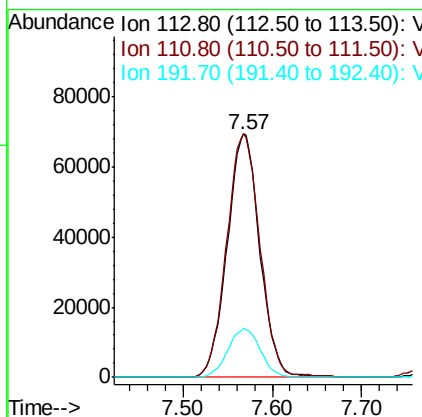
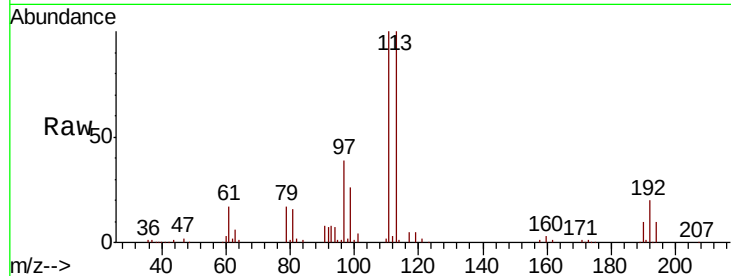
#35
 Dibromofluoromethane
 Concen: 51.995 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059310.D
 Acq: 19 Nov 2019 17:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119MBS04

Tot Ion	Ratio	Resp	Lower	Upper
113	100	175007		
111	101.7	82.8	124.2	
192	20.0	16.1	24.1	

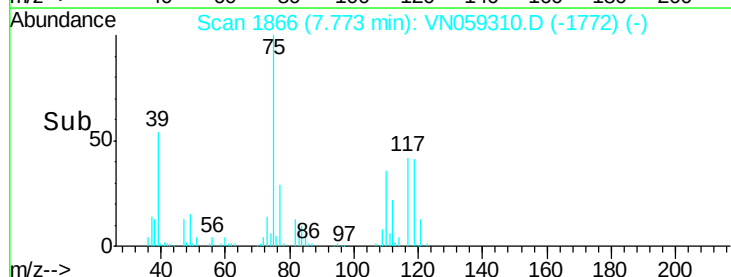
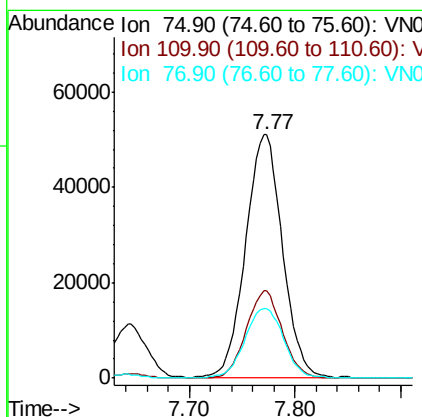
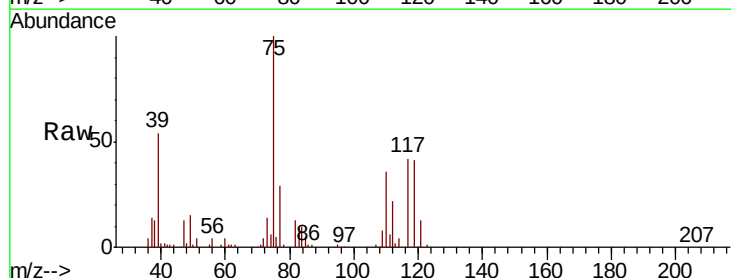
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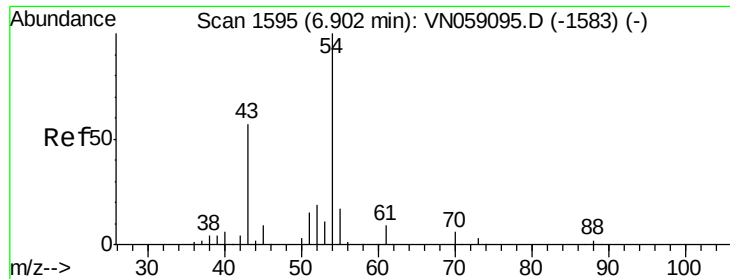
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 23.482 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN059310.D
 Acq: 19 Nov 2019 17:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	123729		
110	35.2	17.1	51.2	
77	30.4	24.8	37.2	





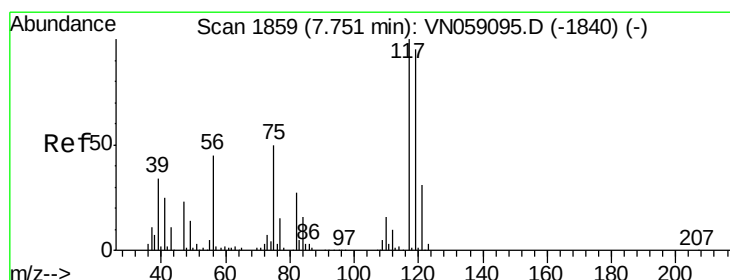
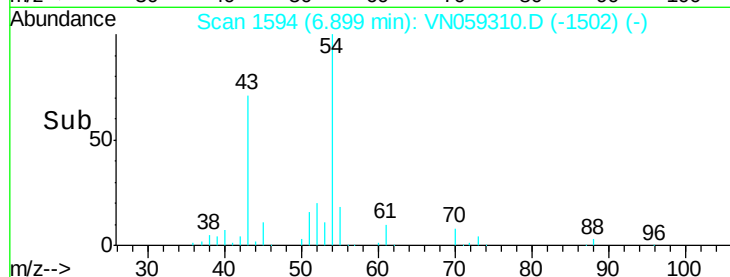
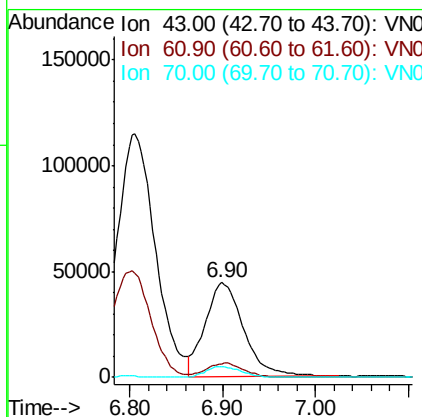
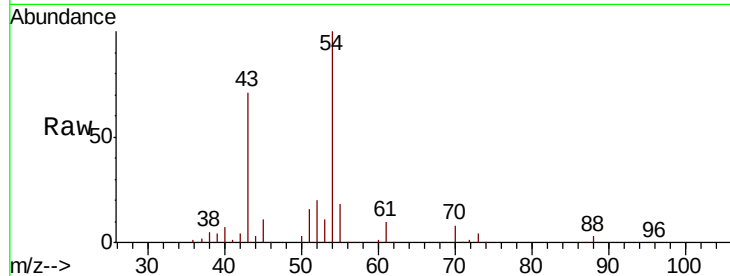
#37
Ethyl Acetate
Concen: 21.781 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.00 min
Lab File: VN059310.D
Acq: 19 Nov 2019 17:02

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS04

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.2	16.8
70	10.5	7.8	11.8

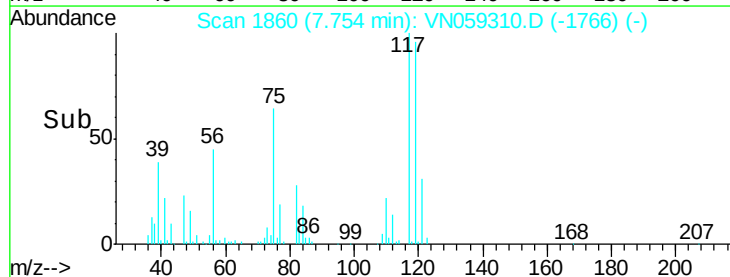
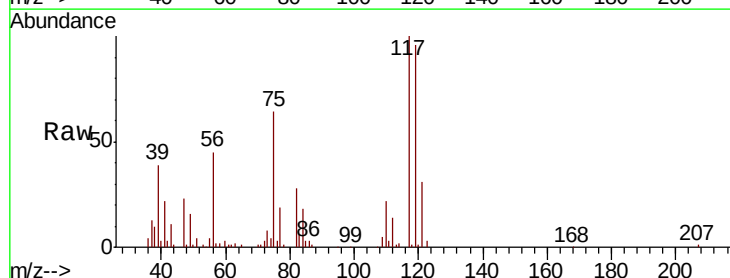
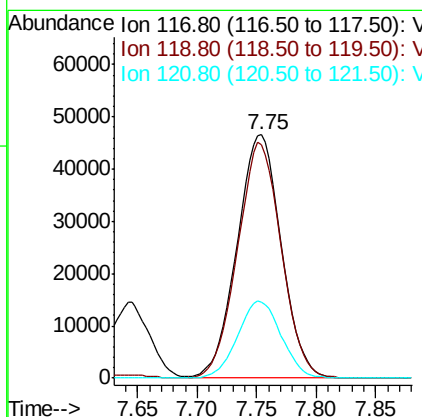
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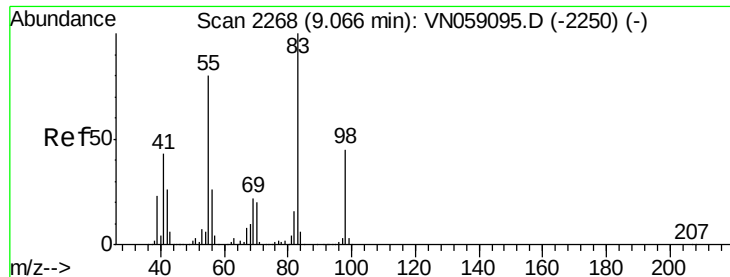
MMDadoda
11/20/2019 1:37:01 PM



#38
Carbon Tetrachloride
Concen: 22.863 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059310.D
Acq: 19 Nov 2019 17:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	75.6	113.4
121	31.1	24.6	36.8





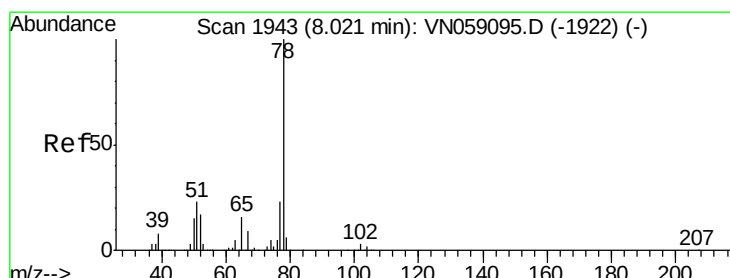
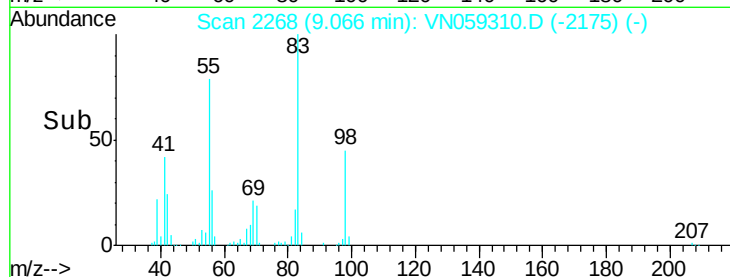
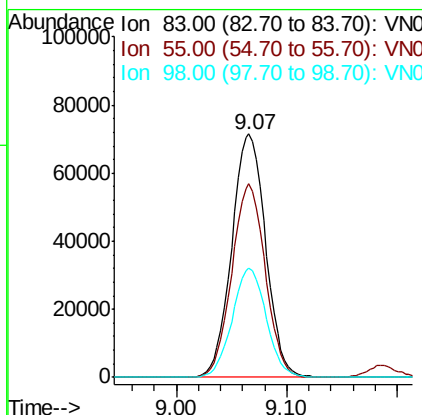
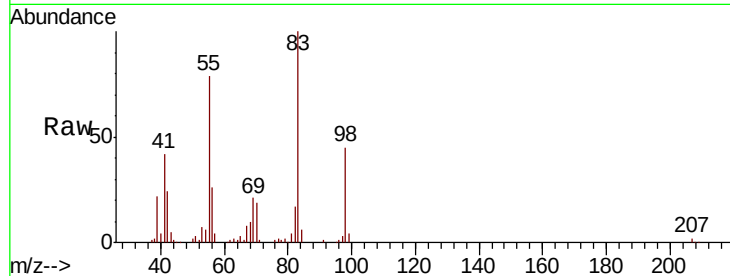
#39
Methylvlcyclohexane
Concen: 24.942 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059310.D
Acq: 19 Nov 2019 17:02

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS04

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	79.4	63.9	95.9	
98	44.9	35.6	53.4	

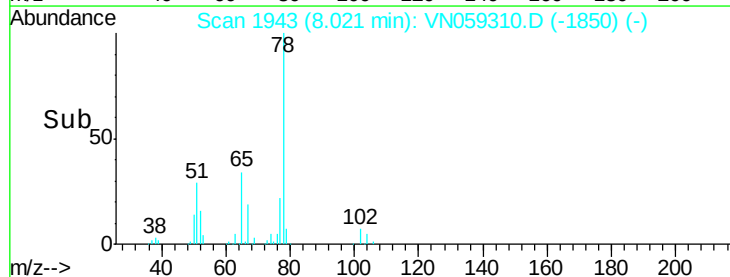
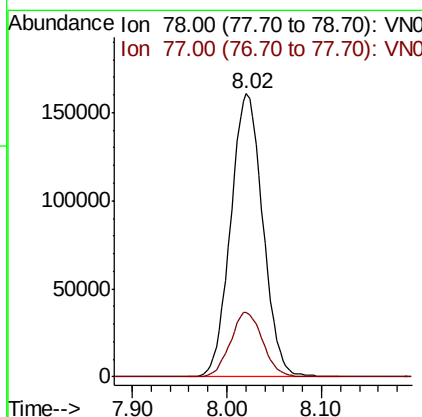
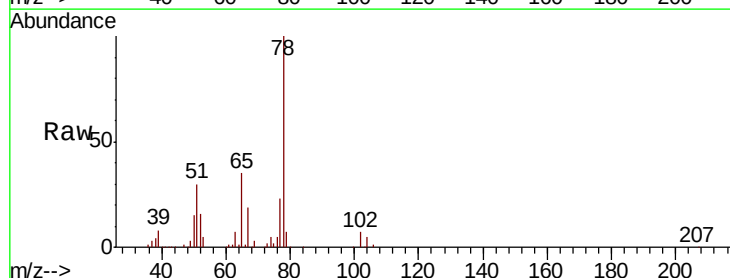
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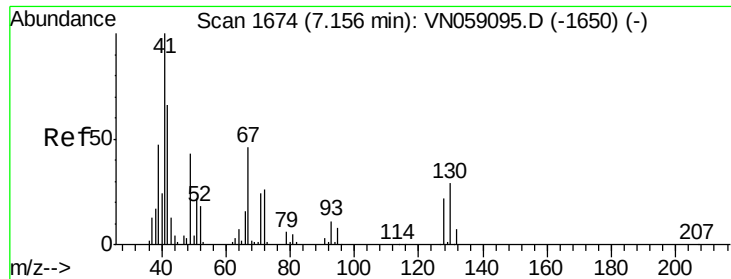
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#40
Benzene
Concen: 23.935 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059310.D
Acq: 19 Nov 2019 17:02

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	22.7	18.8	28.2	





#41

Methacrylonitrile

Concen: 23.749 ug/l m

RT: 7.15 min Scan# 1672

Delta R.T. -0.01 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

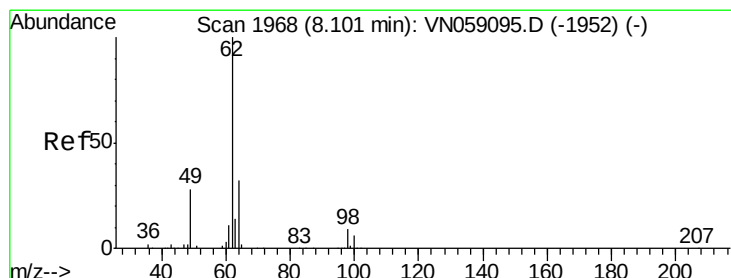
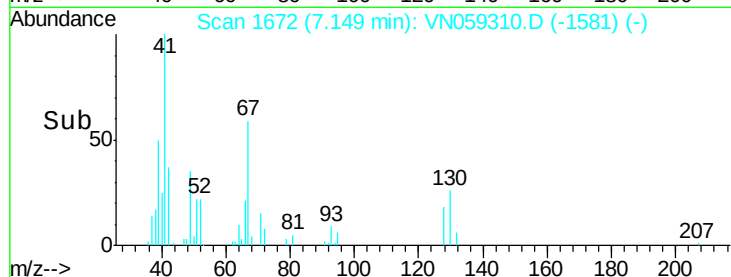
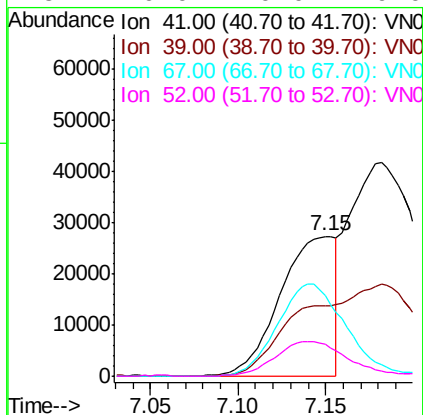
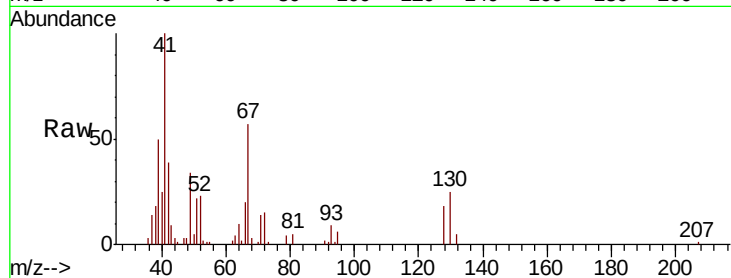
ClientSampleId :

VN1119MBS04

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		60534		
39	139.4	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

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#42

1,2-Dichloroethane

Concen: 23.225 ug/l

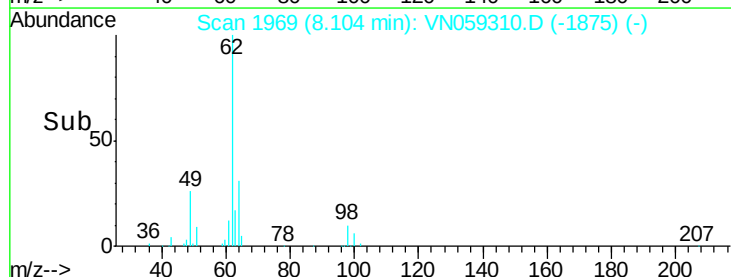
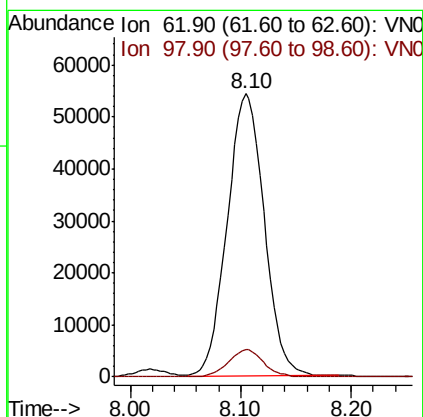
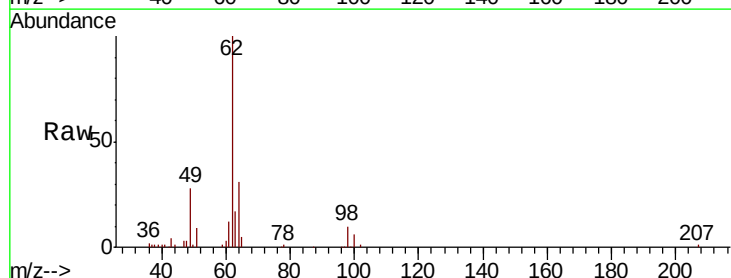
RT: 8.10 min Scan# 1969

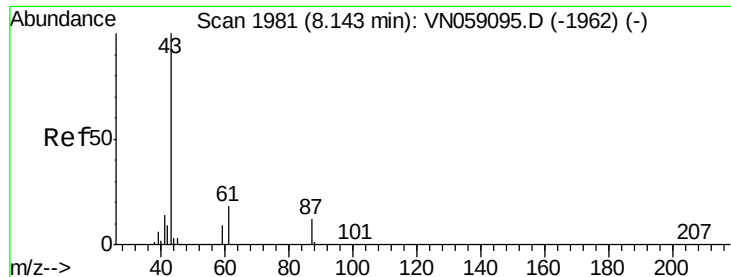
Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		126387		
98	9.2	0.0	17.8		





#43

Isopropyl Acetate

Concen: 21.718 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

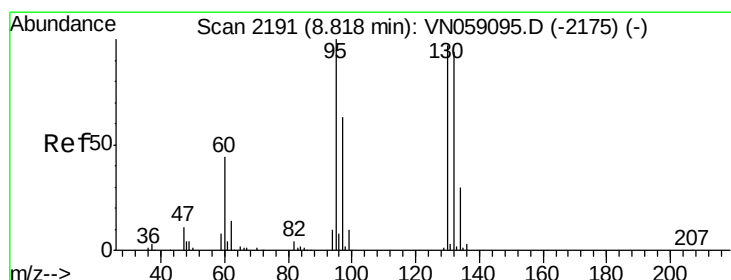
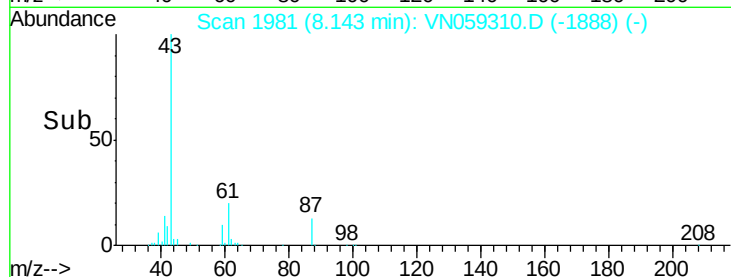
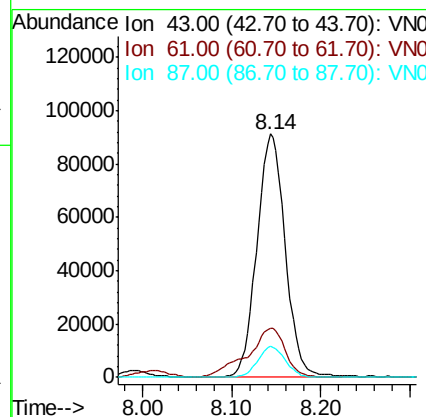
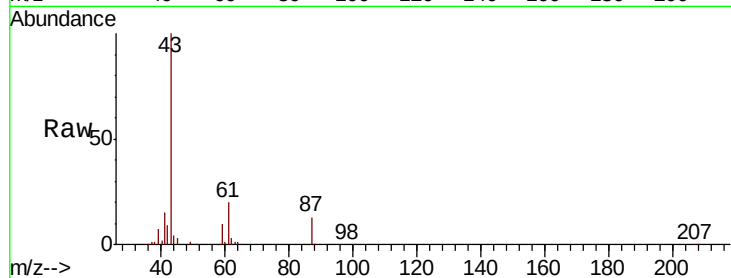
ClientSampleId :

VN1119MBS04

Tot Ion:	43	Resp:	202953
Ion	Ratio	Lower	Upper
43	100		
61	27.0	21.0	31.6
87	12.4	9.8	14.6

Manual Integrations
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#44

Trichloroethene

Concen: 24.080 ug/l

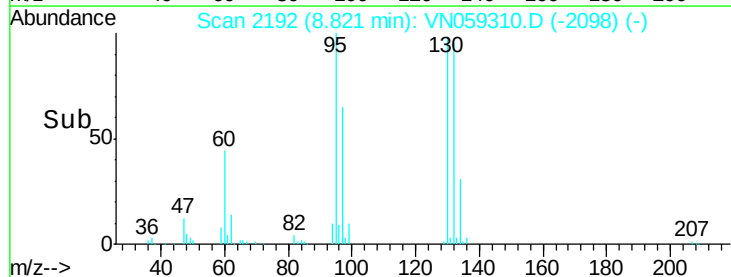
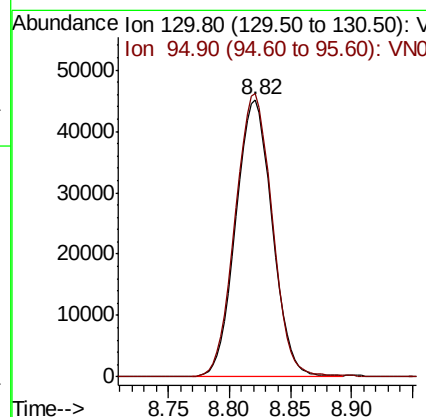
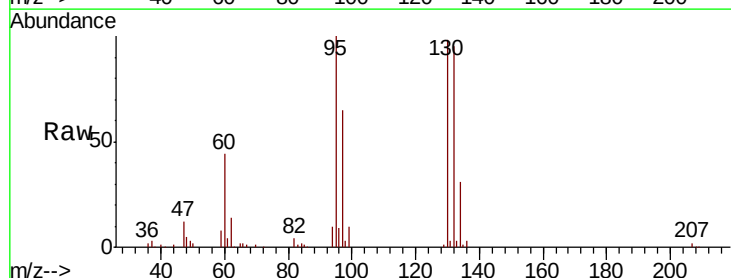
RT: 8.82 min Scan# 2192

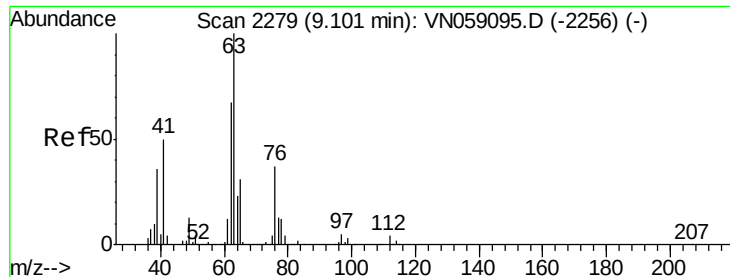
Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Tgt Ion:	130	Resp:	93921
Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	206.4





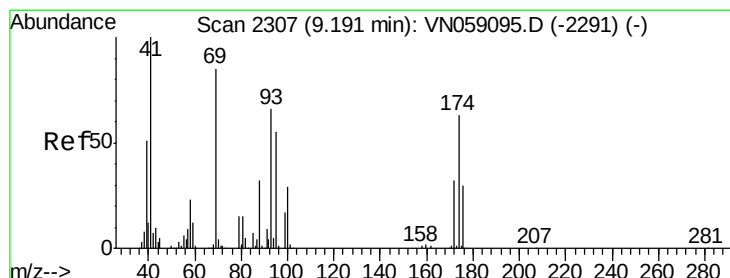
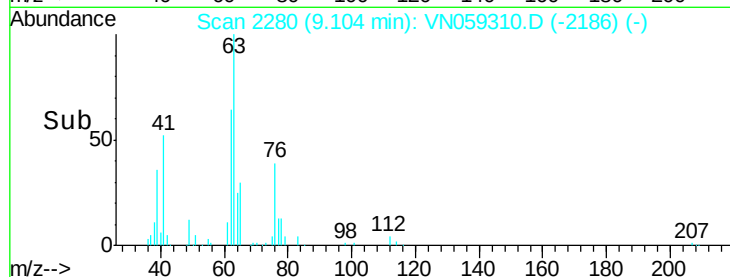
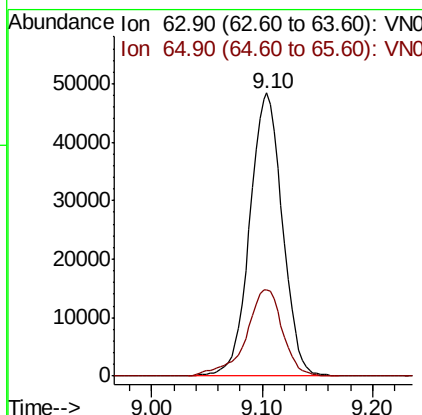
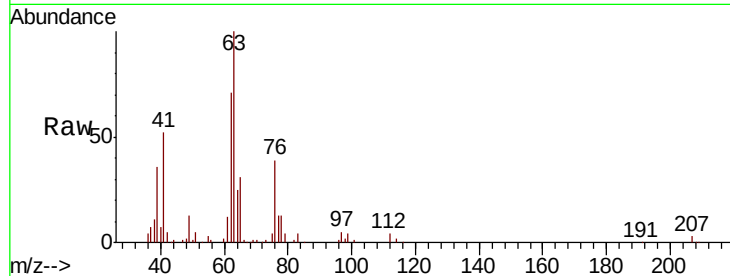
#45
 1,2-Dichloropropane
 Concen: 23.014 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059310.D
 Acq: 19 Nov 2019 17:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119MBS04

Tot Ion: 63 Resp: 99182
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.6 37.0

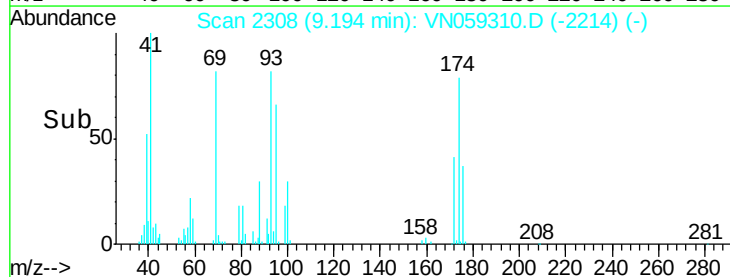
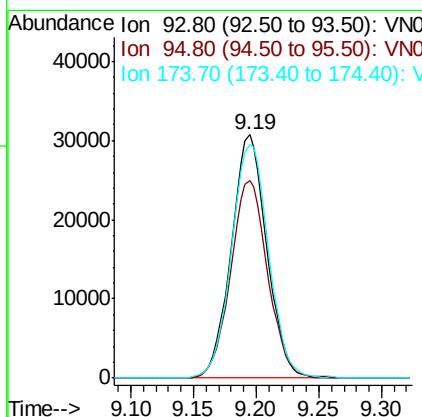
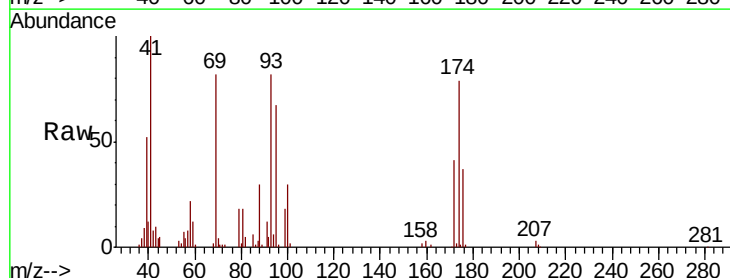
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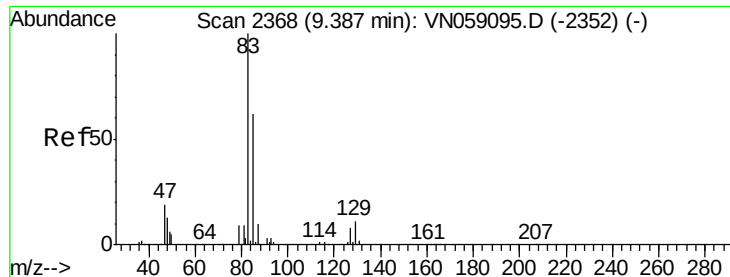
MMDadoda
 11/20/2019 1:37:01 PM



#46
 Dibromomethane
 Concen: 22.587 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059310.D
 Acq: 19 Nov 2019 17:02

Tgt Ion: 93 Resp: 60659
 Ion Ratio Lower Upper
 93 100
 95 83.8 66.6 100.0
 174 100.0 78.2 117.2





#47

Bromodichloromethane

Concen: 22.958 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

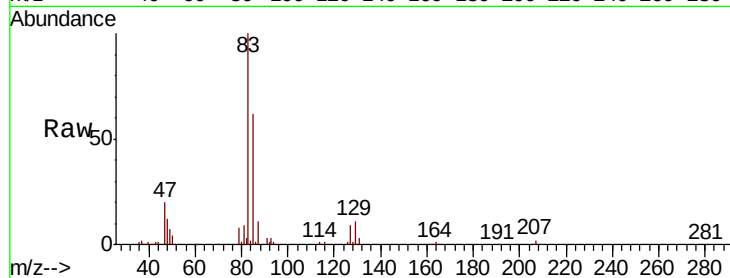
ClientSampleId :

VN1119MBS04

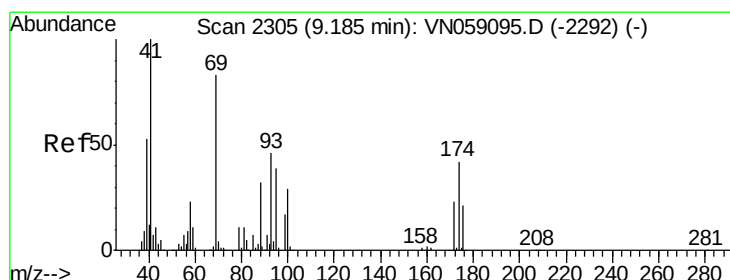
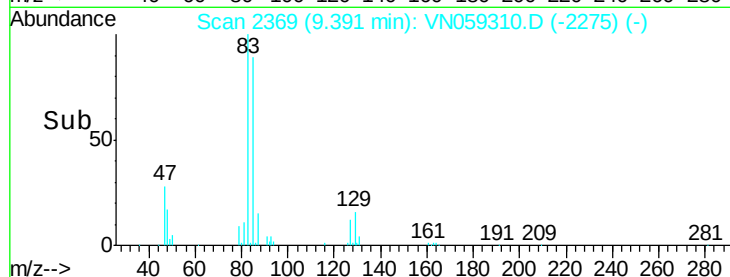
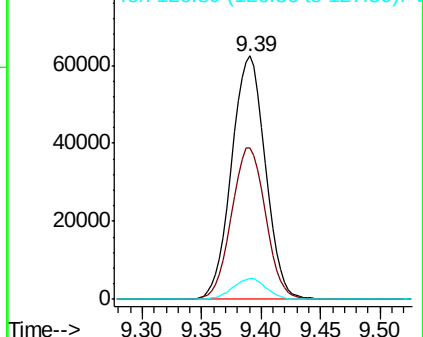
Tot Ion	83	Resp	123119
Ion Ratio	Lower	Upper	
83	100		
85	62.3	49.7	74.5
127	8.6	6.4	9.6

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Abundance Ion 82.90 (82.60 to 83.60): VN059310.D (-2275) (-)



#48

Methyl methacrylate

Concen: 21.315 ug/l

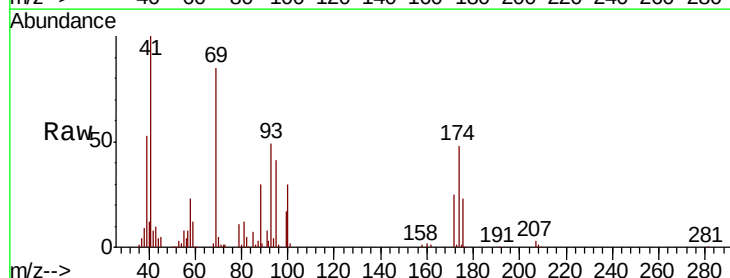
RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

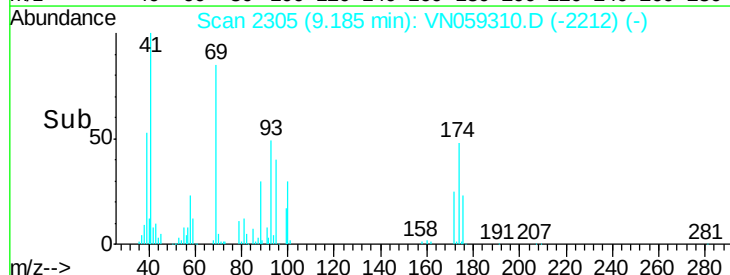
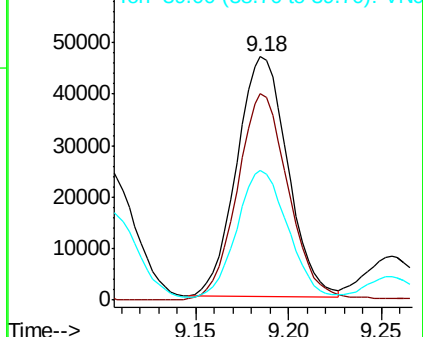
Lab File: VN059310.D

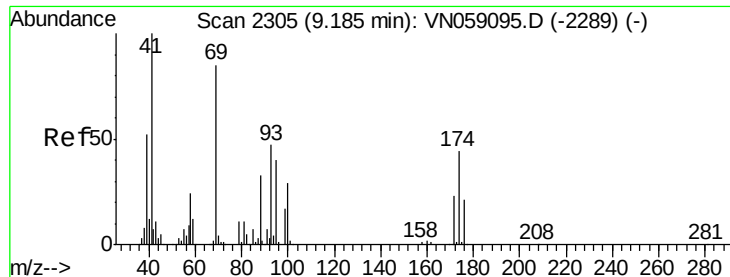
Acq: 19 Nov 2019 17:02

Tgt Ion	41	Resp	89095
Ion Ratio	Lower	Upper	
41	100		
69	86.4	67.3	100.9
39	54.2	43.3	64.9



Abundance Ion 41.00 (40.70 to 41.70): VN059310.D (-2212) (-)





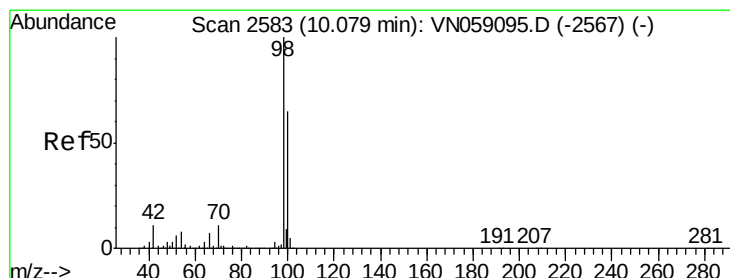
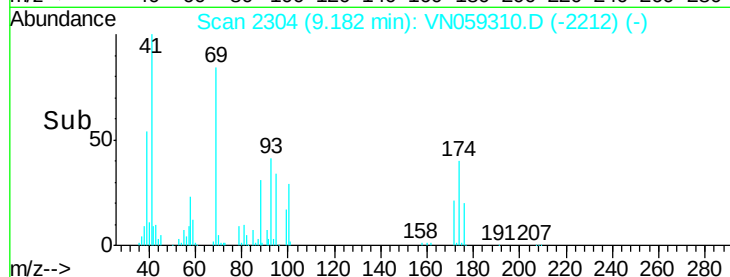
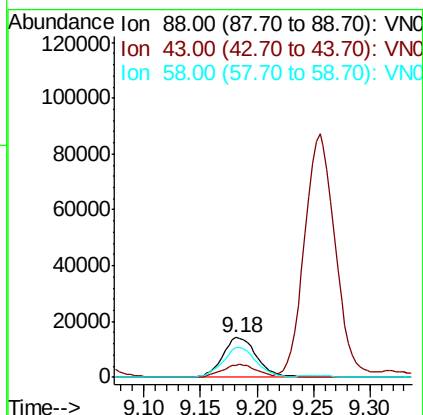
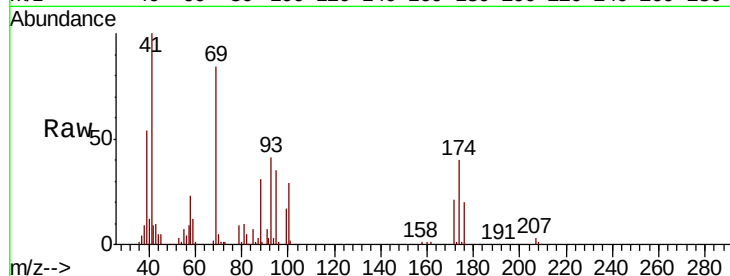
#49
1,4-Dioxane
Concen: 406.819 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN059310.D
Acq: 19 Nov 2019 17:02

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS04

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.3	26.3	39.5
58	73.0	60.6	90.8

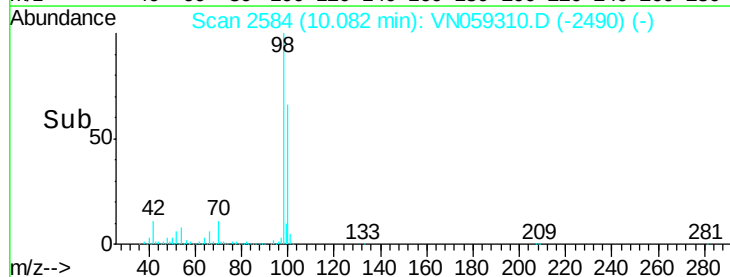
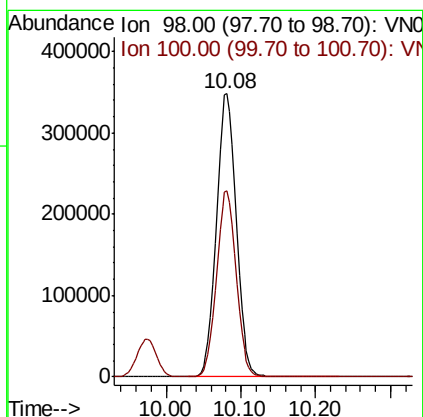
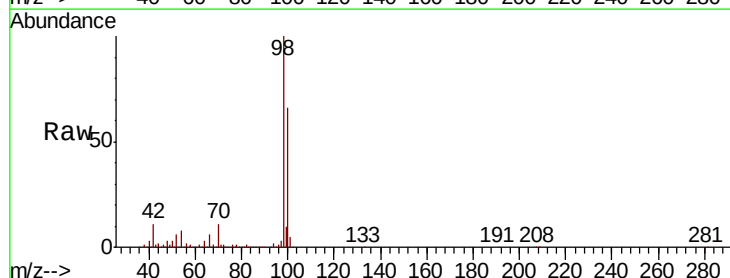
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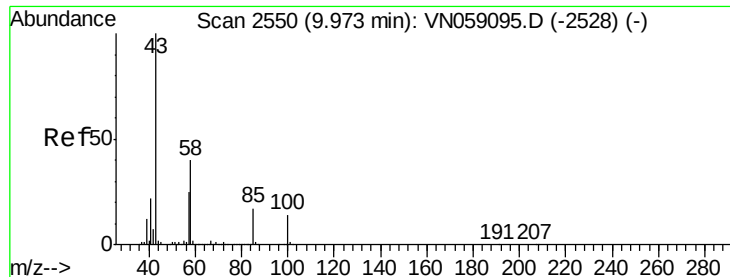
MMDadoda
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#50
Toluene-d8
Concen: 48.617 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059310.D
Acq: 19 Nov 2019 17:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 116.485 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS04

Tot Ion: 43 Resp: 615922

Ion Ratio Lower Upper

43 100

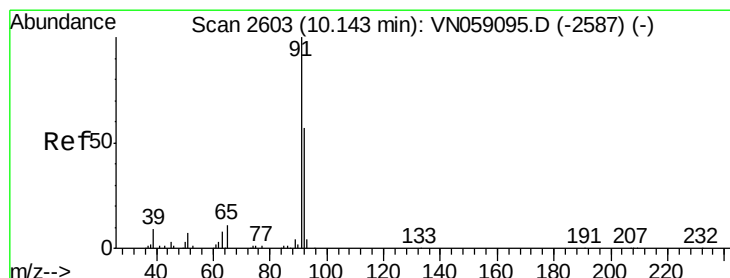
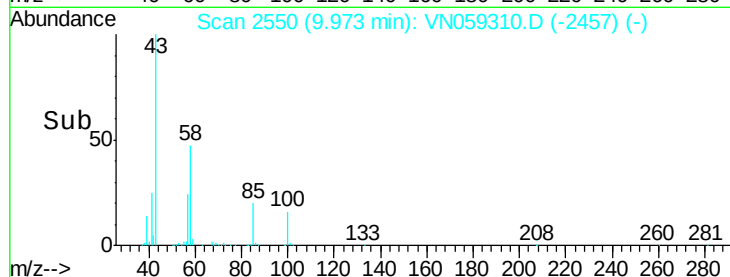
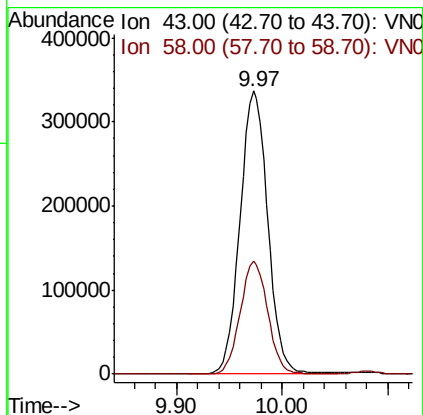
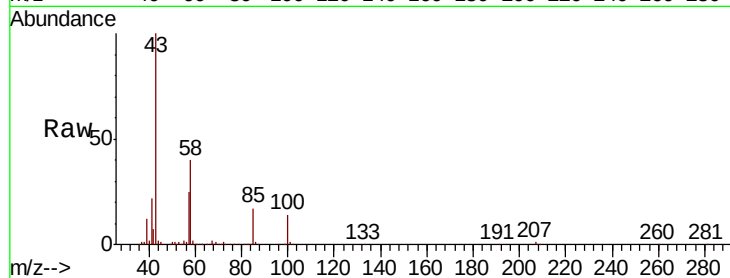
58 39.6 31.5 47.3

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#52

Toluene

Concen: 23.880 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059310.D

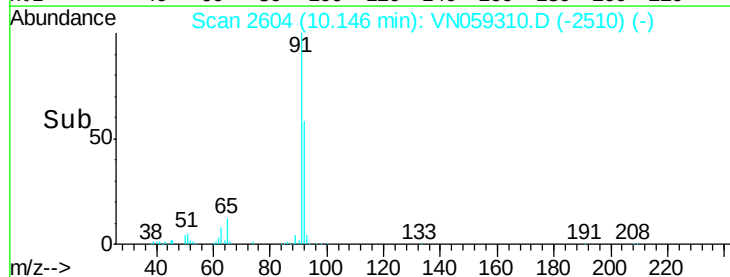
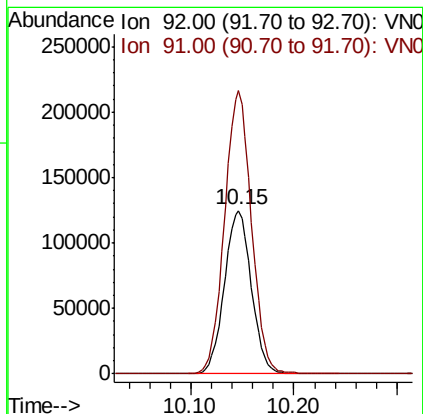
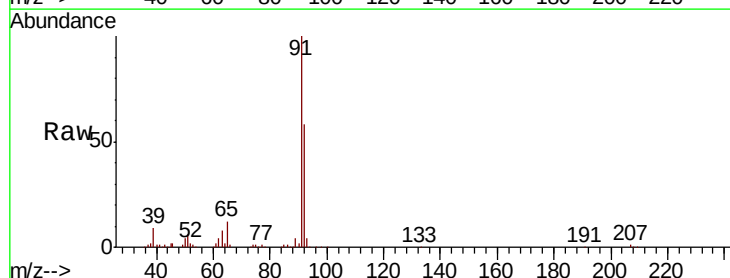
Acq: 19 Nov 2019 17:02

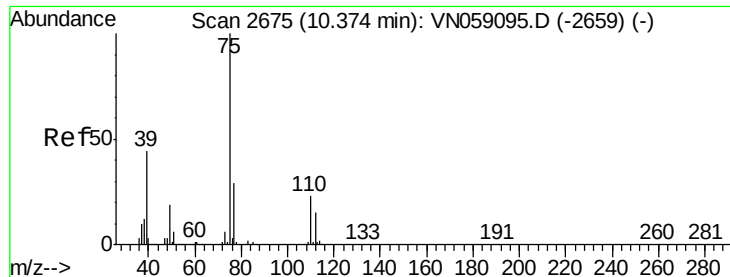
Tgt Ion: 92 Resp: 227102

Ion Ratio Lower Upper

92 100

91 172.7 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 22.787 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS04

Tot Ion: 75 Resp: 141182

Ion Ratio Lower Upper

75 100

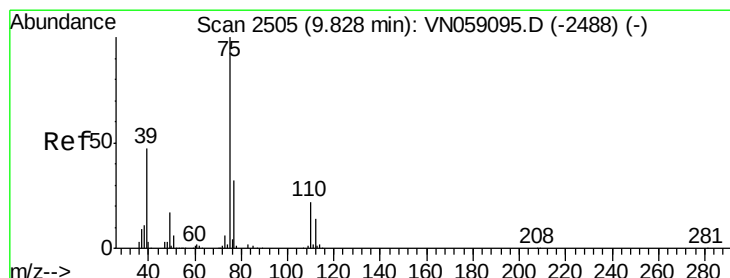
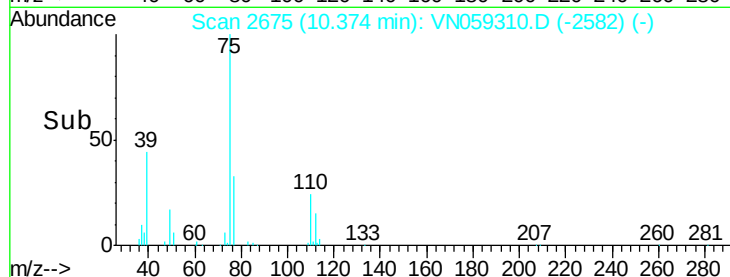
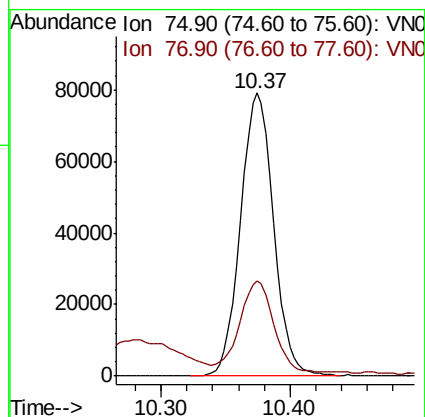
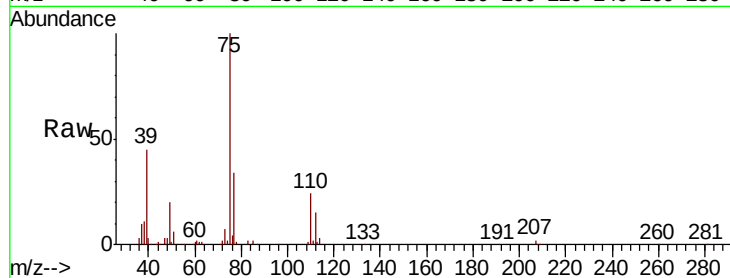
77 32.1 25.3 37.9

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#54

cis-1,3-Dichloropropene

Concen: 23.387 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

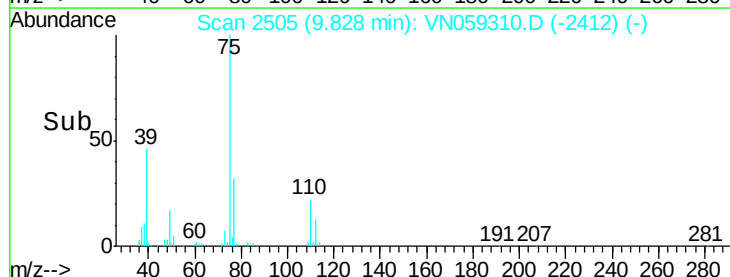
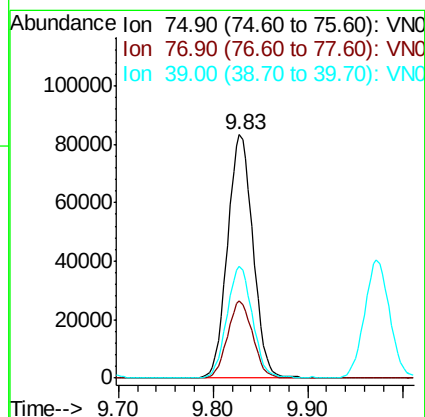
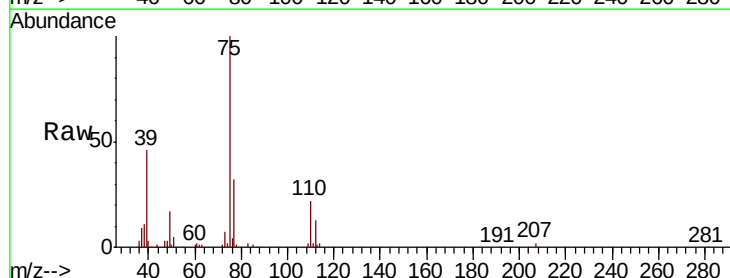
Tgt Ion: 75 Resp: 155862

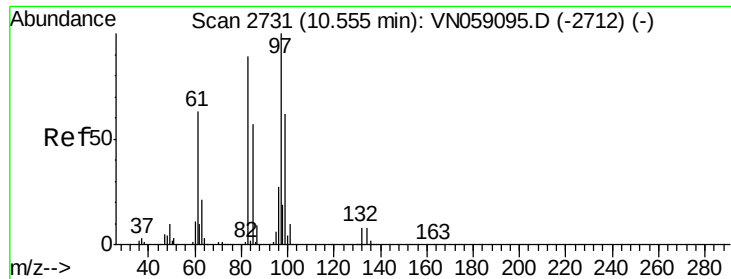
Ion Ratio Lower Upper

75 100

77 31.5 25.5 38.3

39 45.8 37.3 55.9





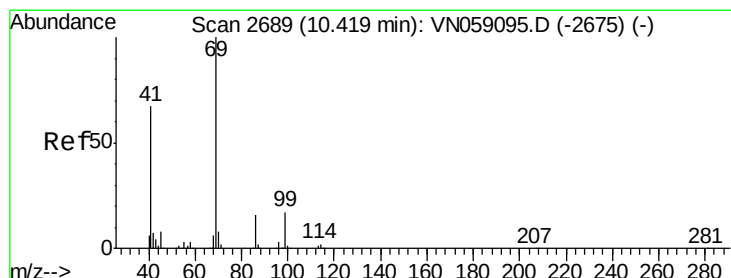
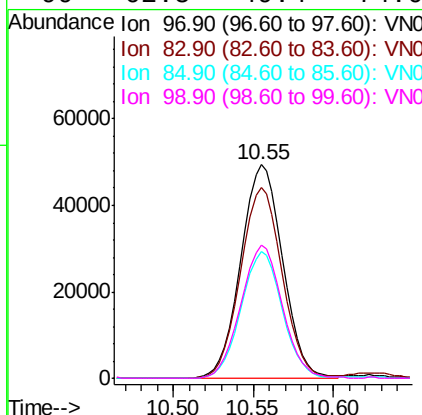
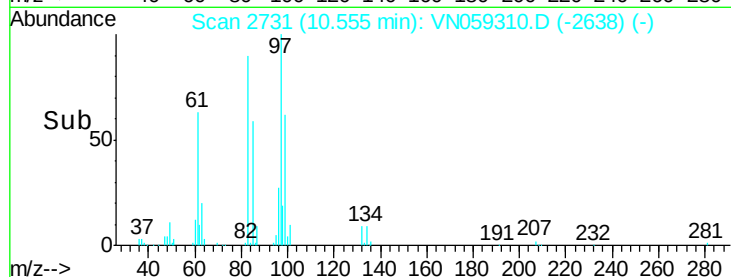
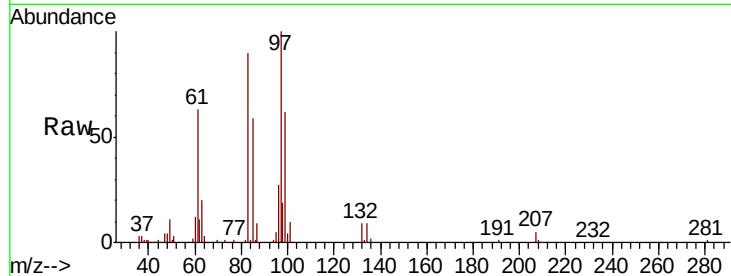
#55
 1,1,2-Trichloroethane
 Concen: 22.905 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN059310.D
 Acq: 19 Nov 2019 17:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119MBS04

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.6	71.0	106.4
85	59.1	45.8	68.8
99	62.5	49.4	74.0

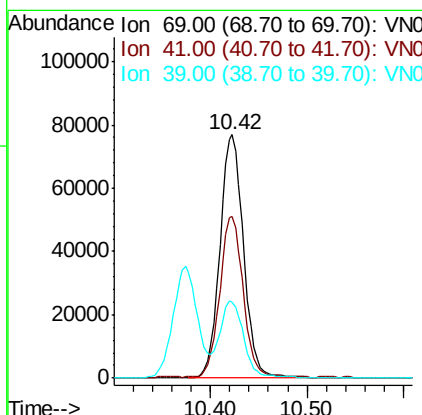
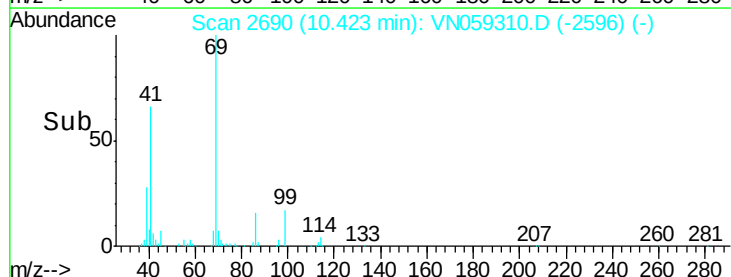
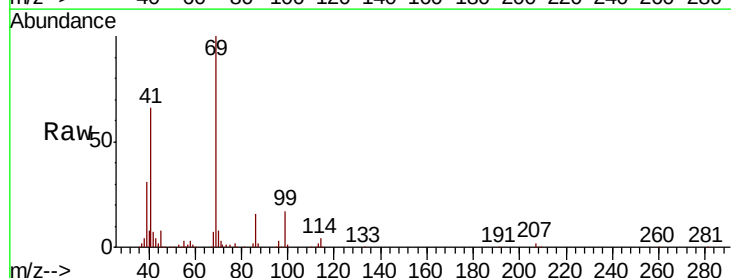
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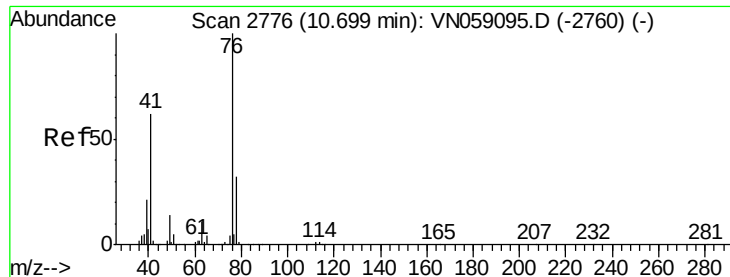
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#56
 Ethyl methacrylate
 Concen: 21.438 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059310.D
 Acq: 19 Nov 2019 17:02

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.2	53.6	80.4
39	31.2	26.2	39.4





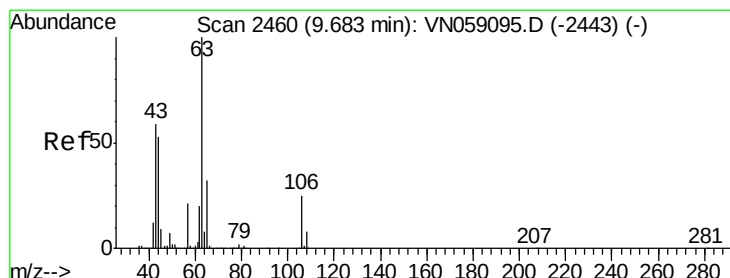
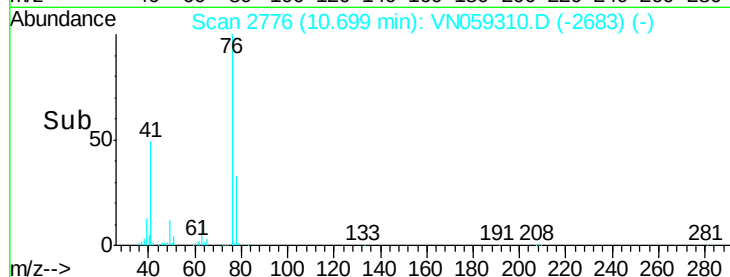
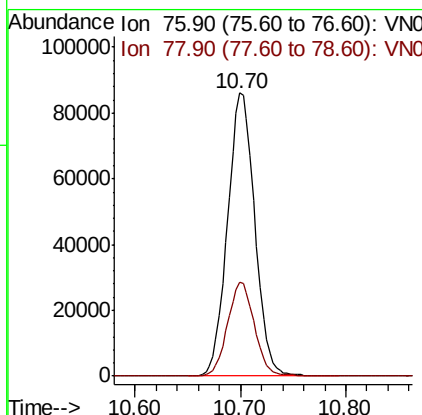
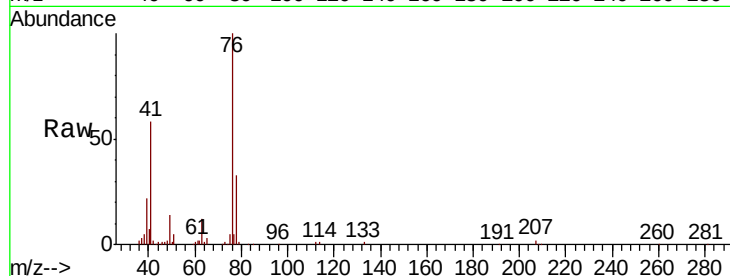
#57
 1,3-Dichloropropane
 Concen: 23.240 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. 0.00 min
 Lab File: VN059310.D
 Acq: 19 Nov 2019 17:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119MBS04

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.8	38.8

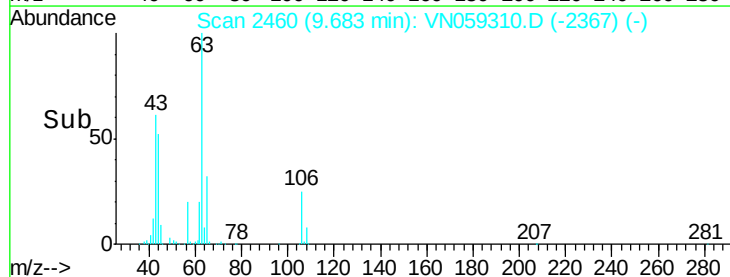
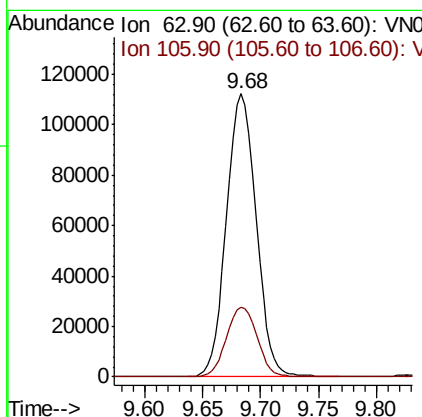
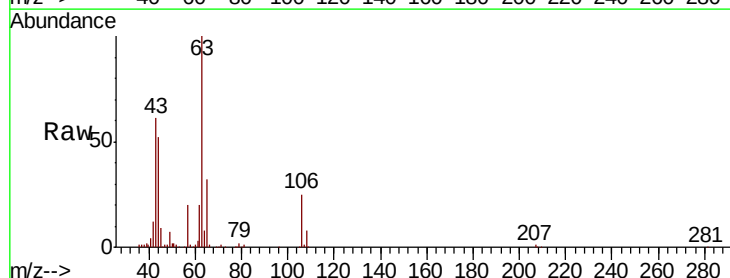
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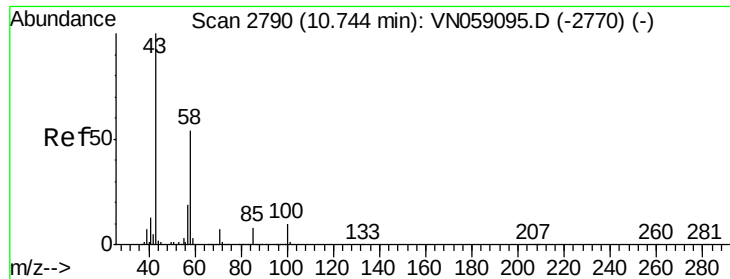
MMDadoda
 11/20/2019 1:37:01 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.279 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. 0.00 min
 Lab File: VN059310.D
 Acq: 19 Nov 2019 17:02

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.3	20.2	30.2





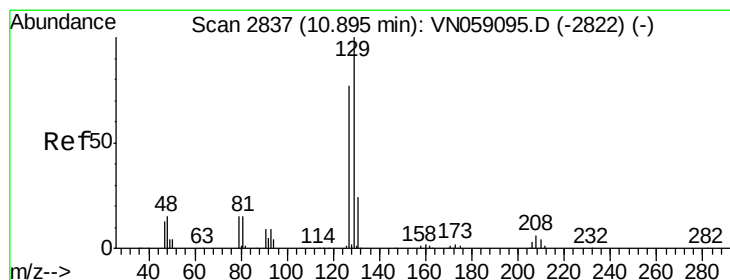
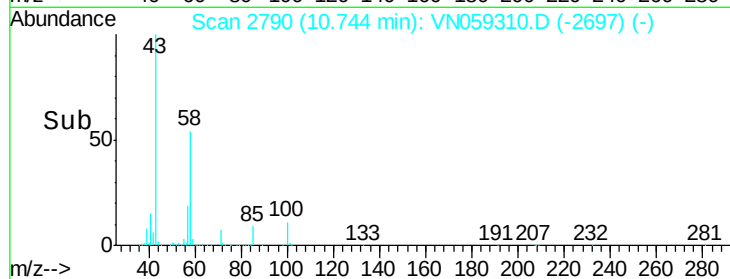
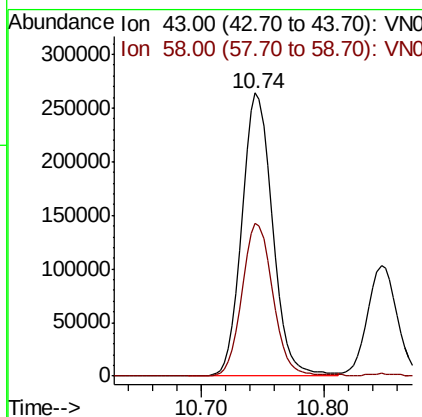
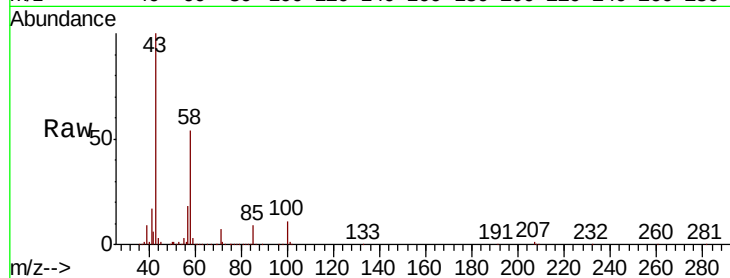
#59
2-Hexanone
Concen: 112.589 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059310.D
Acq: 19 Nov 2019 17:02

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS04

Tot Ion: 43 Resp: 456939
Ion Ratio Lower Upper
43 100
58 54.6 27.3 81.8

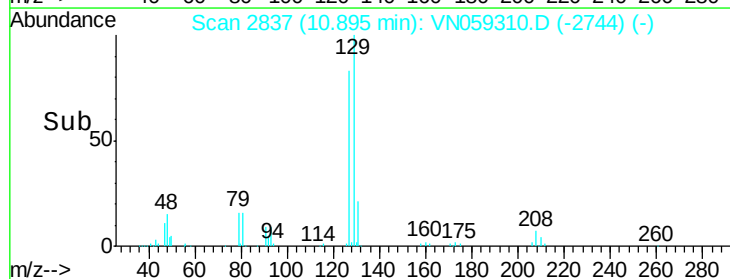
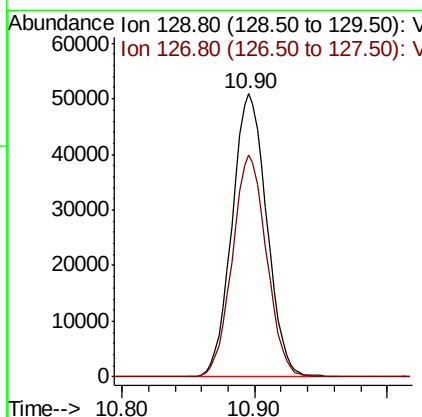
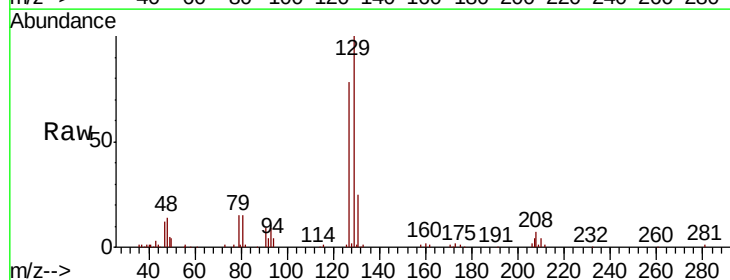
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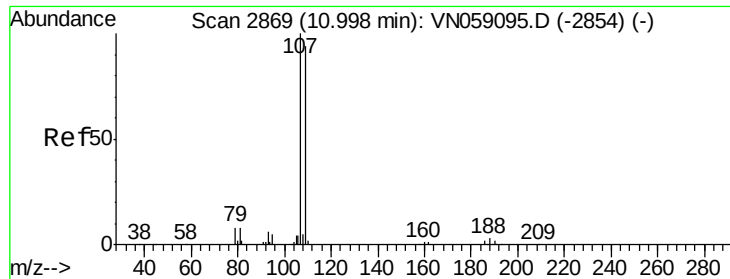
MMDadoda
11/20/2019 1:37:01 PM



#60
Dibromochloromethane
Concen: 22.761 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059310.D
Acq: 19 Nov 2019 17:02

Tgt Ion: 129 Resp: 92620
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.8





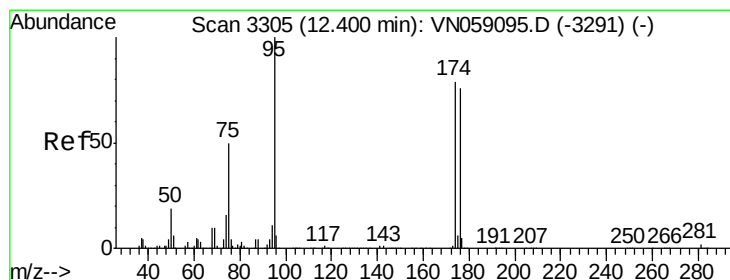
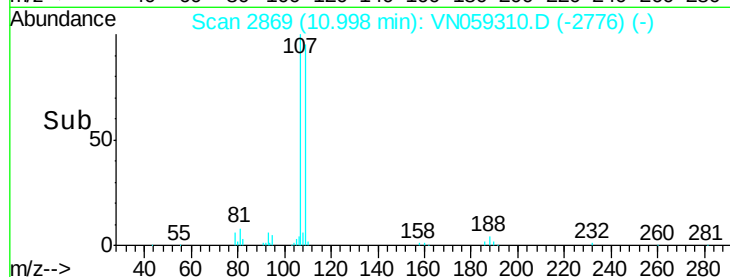
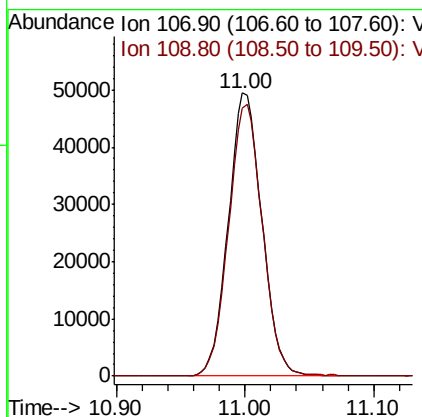
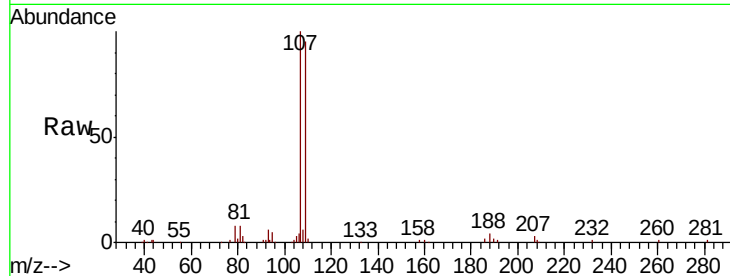
#61
 1,2-Dibromoethane
 Concen: 22.944 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059310.D
 Acq: 19 Nov 2019 17:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119MBS04

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.6	75.5	113.3

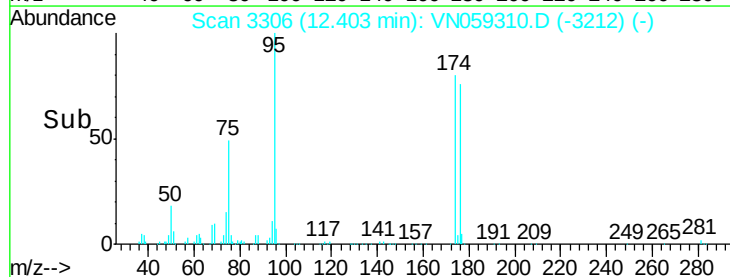
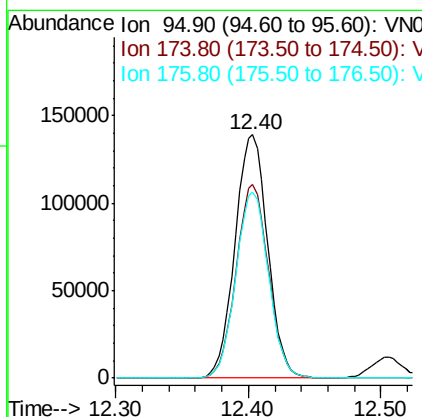
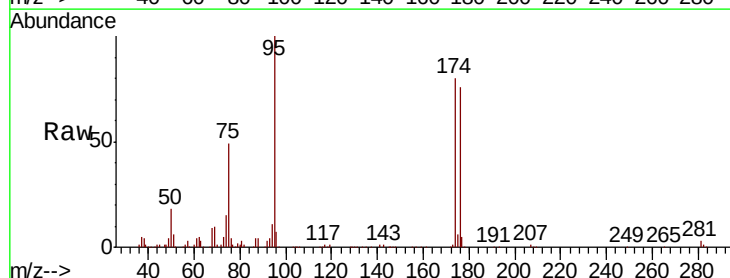
Manual Integrations
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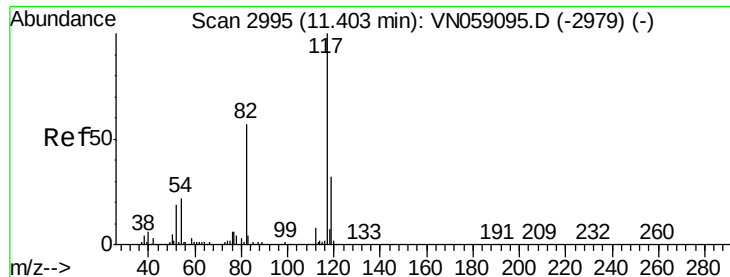
MMDadoda
 11/20/2019 1:37:01 PM



#62
 4-Bromofluorobenzene
 Concen: 49.931 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059310.D
 Acq: 19 Nov 2019 17:02

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.8	0.0	158.2
176	76.4	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: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

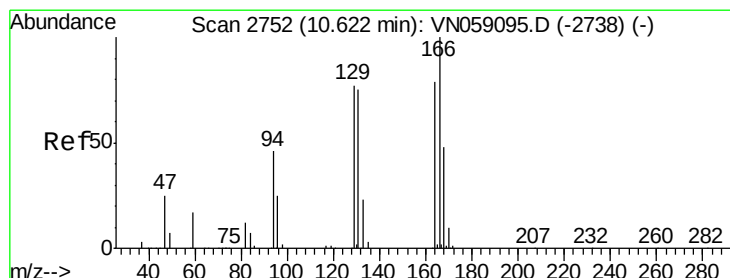
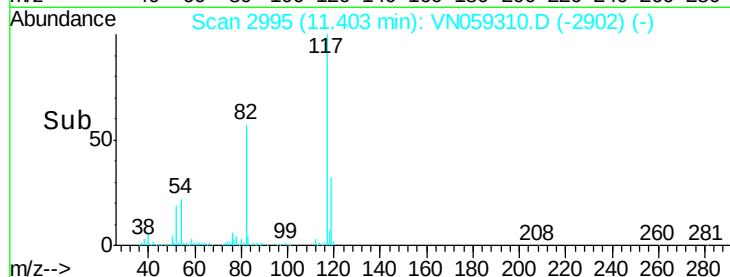
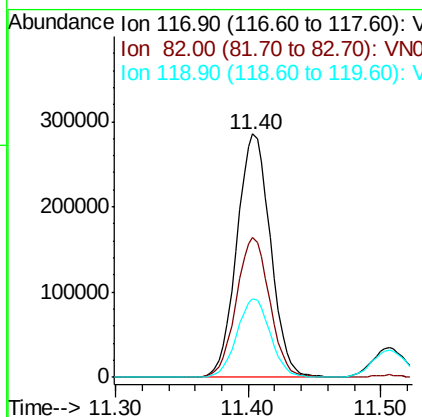
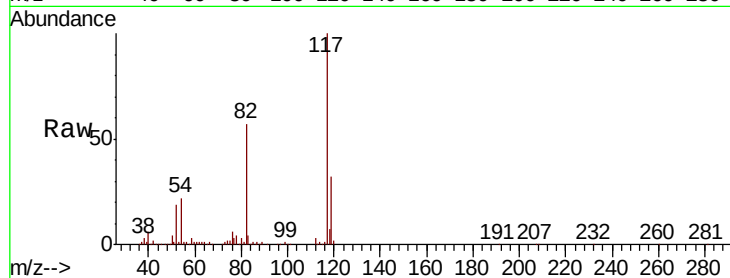
ClientSampleId :

VN1119MBS04

Tot Ion:	117	Resp:	502631
Ion Ratio	Lower	Upper	
117	100		
82	57.3	45.8	68.8
119	32.4	25.8	38.6

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#64

Tetrachloroethene

Concen: 28.181 ug/l

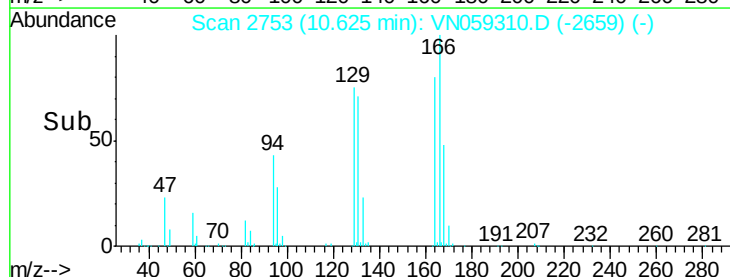
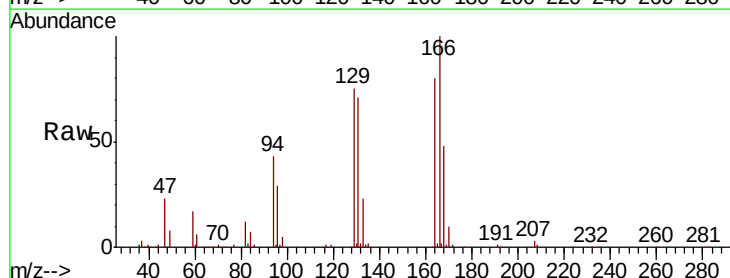
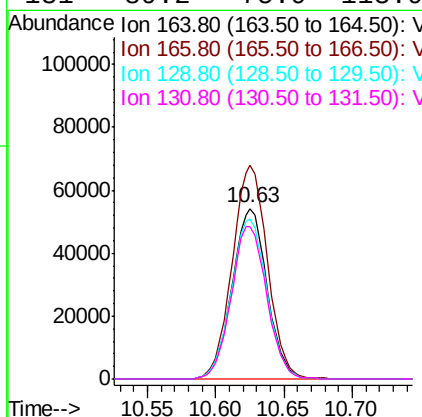
RT: 10.63 min Scan# 2753

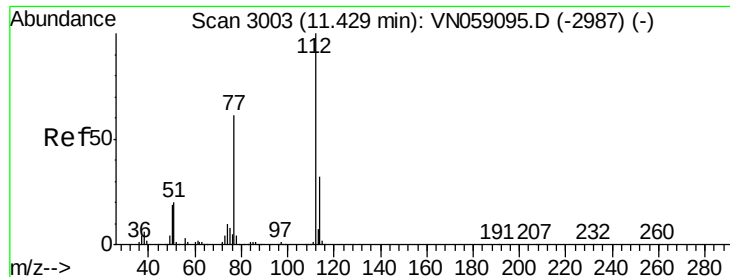
Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Tgt Ion:	164	Resp:	96319
Ion Ratio	Lower	Upper	
164	100		
166	125.1	101.5	152.3
129	93.5	78.3	117.5
131	89.2	75.9	113.9





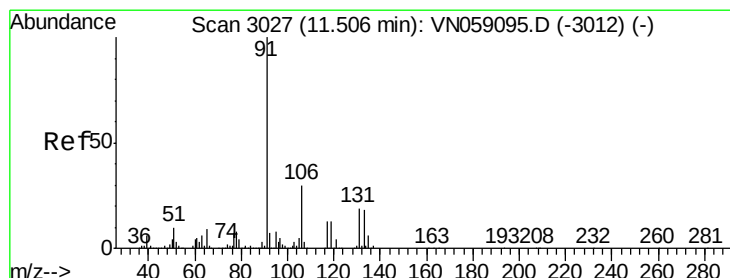
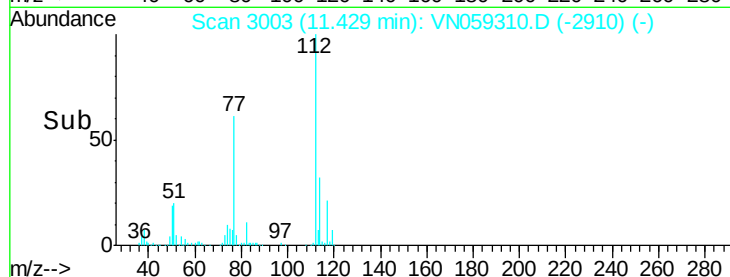
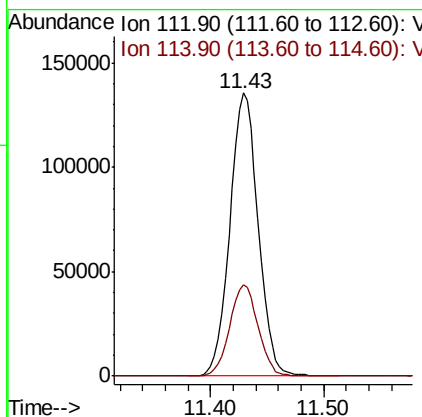
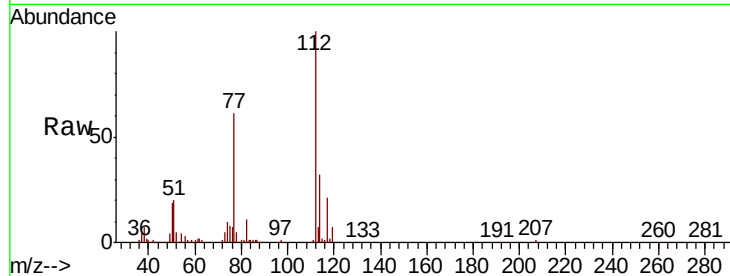
#65
Chlorobenzene
Concen: 23.996 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059310.D
Acq: 19 Nov 2019 17:02

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS04

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.2	37.8

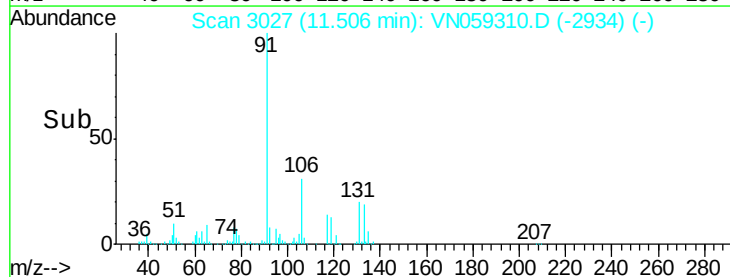
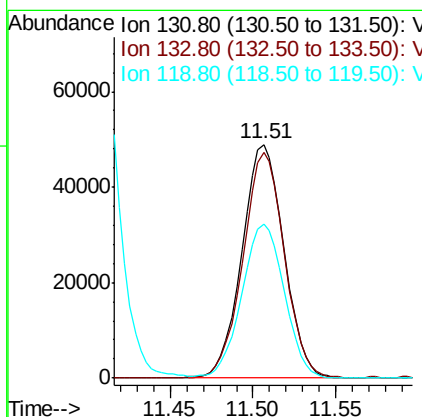
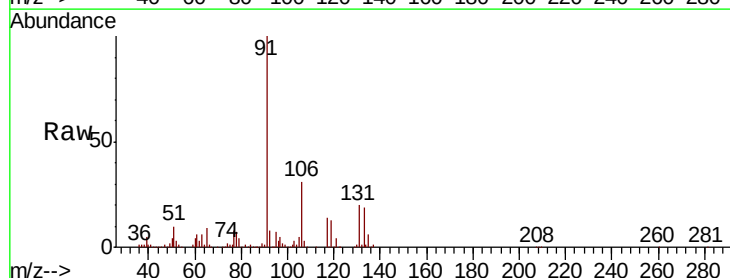
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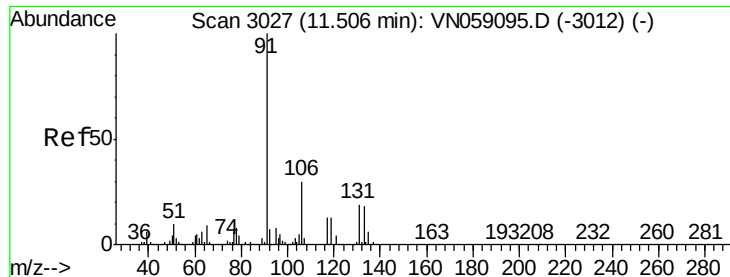
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 23.325 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059310.D
Acq: 19 Nov 2019 17:02

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.8	47.4	142.3
119	67.1	33.2	99.6





#67

Ethyl Benzene

Concen: 24.721 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS04

Tot Ion: 91 Resp: 429760

Ion Ratio Lower Upper

91 100

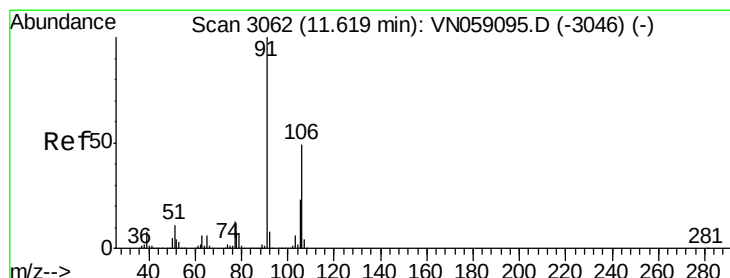
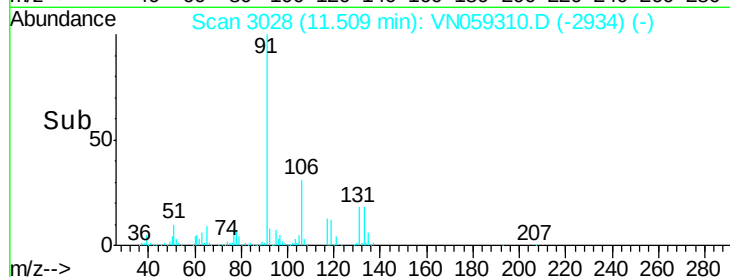
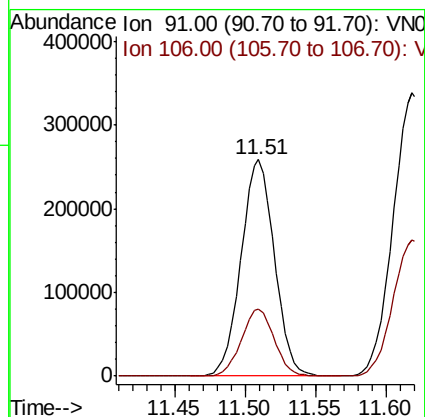
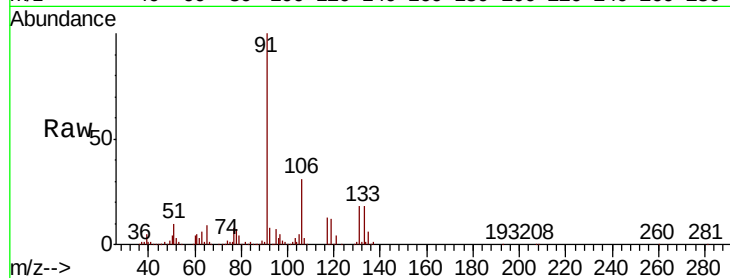
106 31.2 24.1 36.1

Manual Integrations

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#68

m/p-Xylenes

Concen: 49.045 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN059310.D

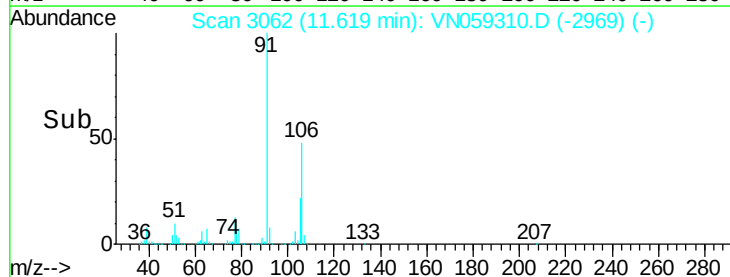
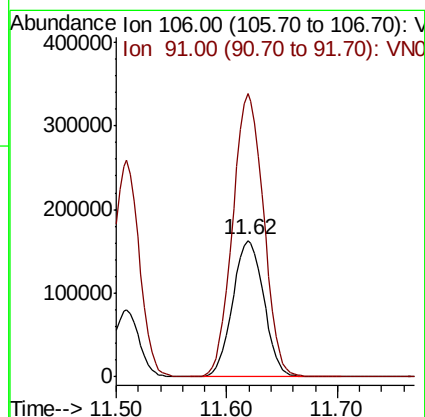
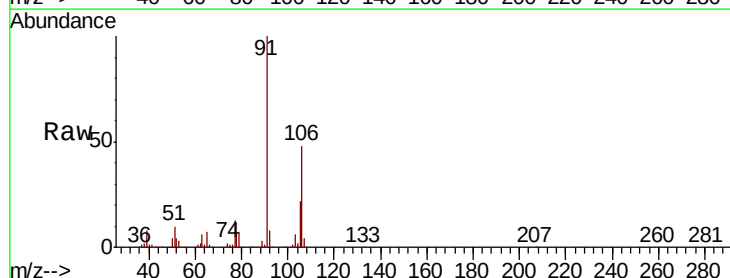
Acq: 19 Nov 2019 17:02

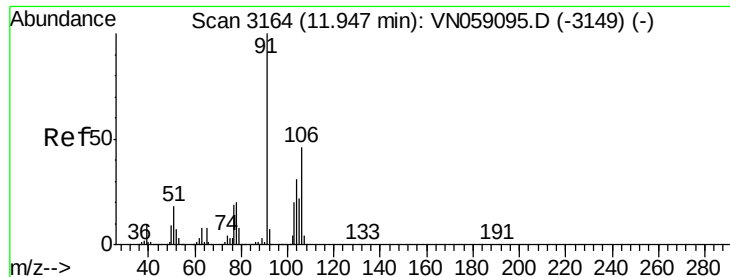
Tgt Ion: 106 Resp: 319376

Ion Ratio Lower Upper

106 100

91 206.0 164.7 247.1





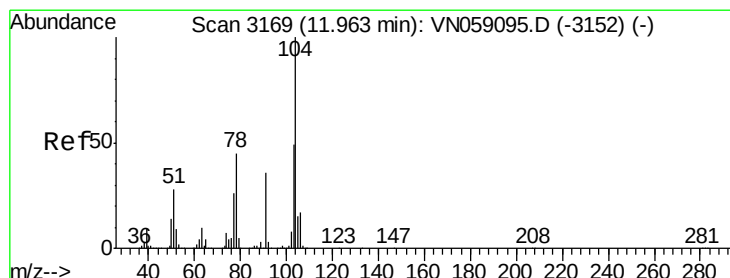
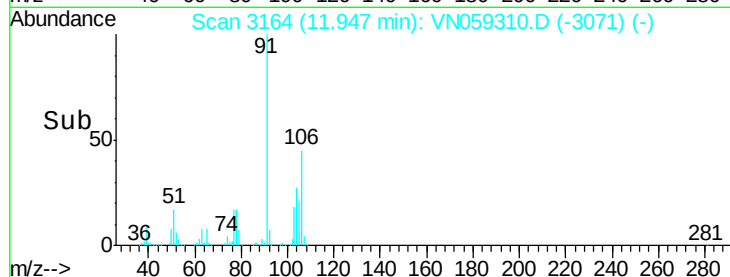
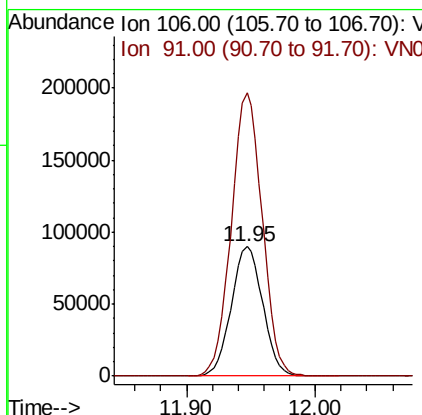
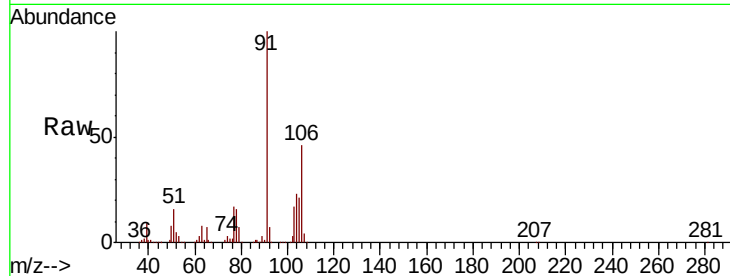
#69
o-Xylene
Concen: 24.212 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059310.D
Acq: 19 Nov 2019 17:02

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS04

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	152369		
91	91	214.8	110.1	330.3	

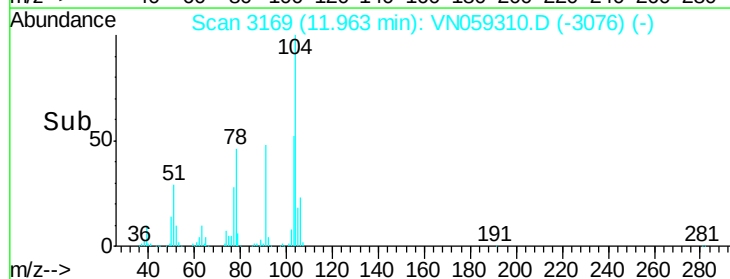
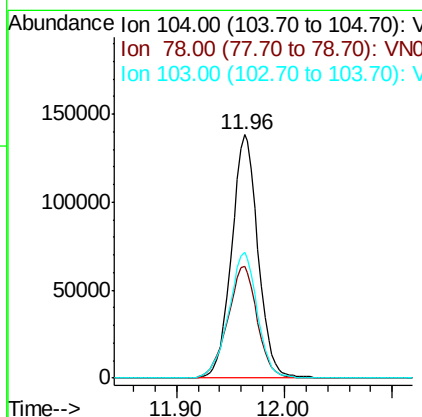
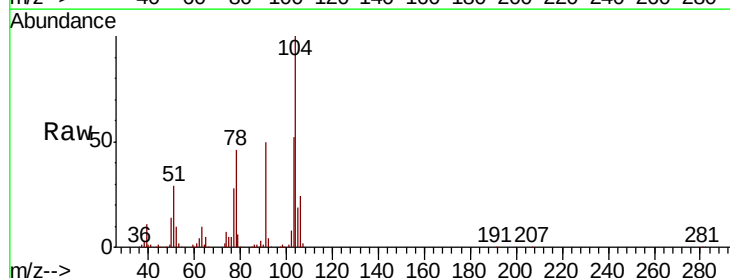
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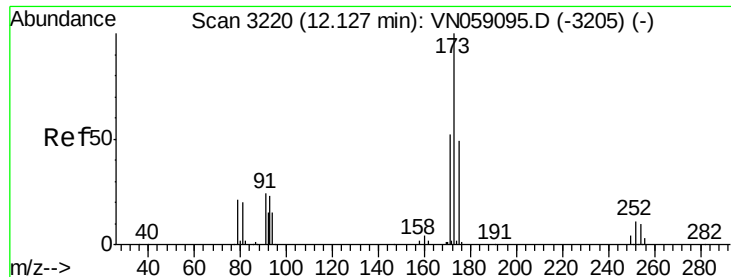
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#70
Styrene
Concen: 23.911 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059310.D
Acq: 19 Nov 2019 17:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	236655		
78	78	51.1	41.2	61.8	
103	103	56.2	43.8	65.6	





#71

Bromoform

Concen: 22.295 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS04

Tot Ion:173 Resp: 63742

Ion Ratio Lower Upper

173 100

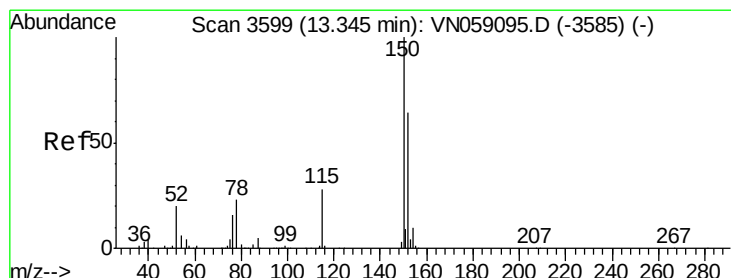
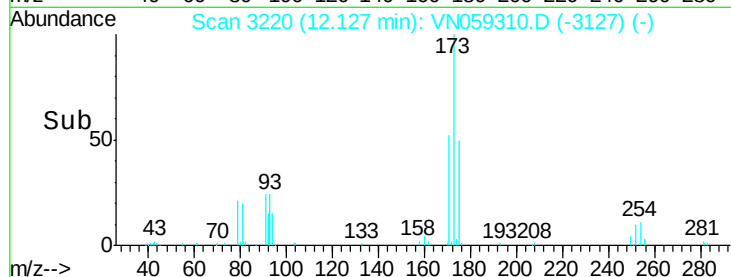
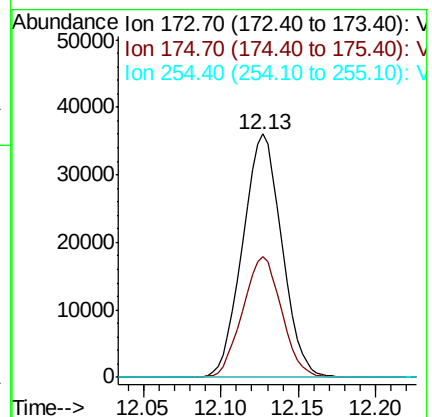
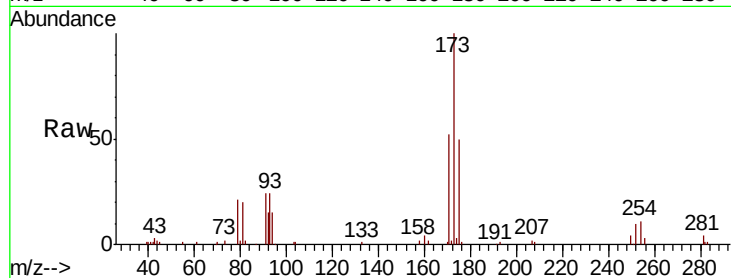
175 49.1 24.2 72.6

254 0.0 0.1 0.1#

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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: VN059310.D

Acq: 19 Nov 2019 17:02

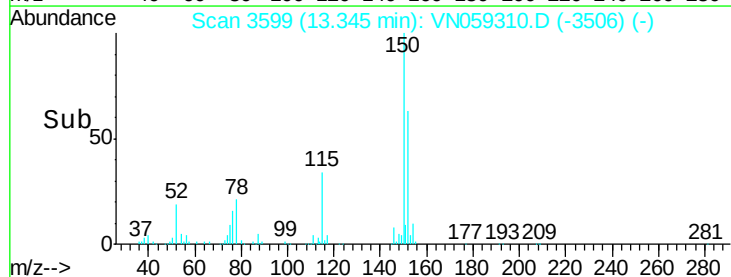
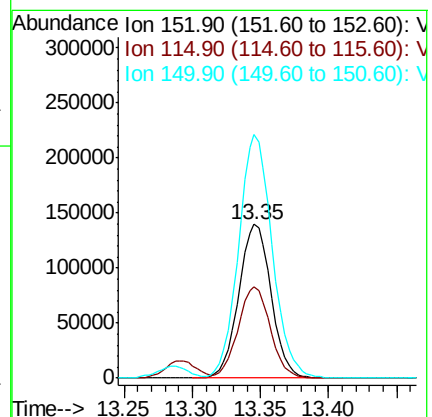
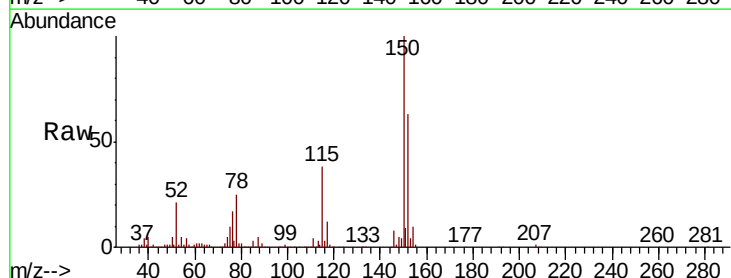
Tgt Ion:152 Resp: 230069

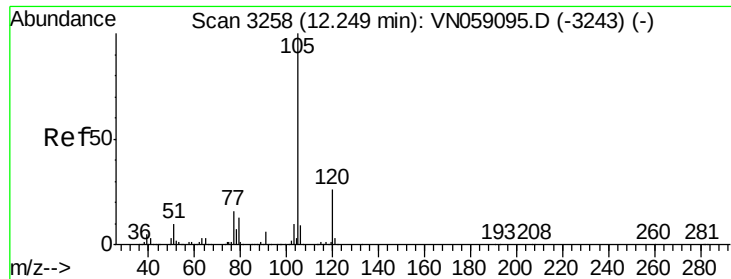
Ion Ratio Lower Upper

152 100

115 59.0 29.4 88.2

150 164.9 0.0 345.8





#73

Isopropylbenzene

Concen: 24.426 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS04

Tot Ion:105 Resp: 408783

Ion Ratio Lower Upper

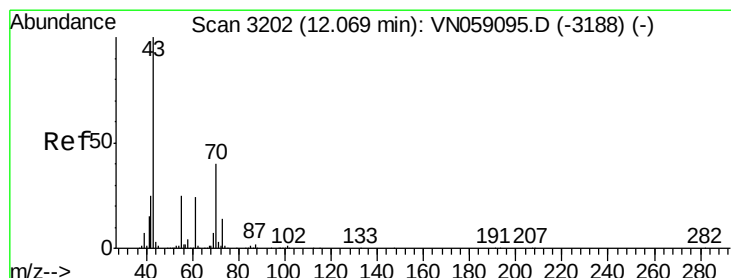
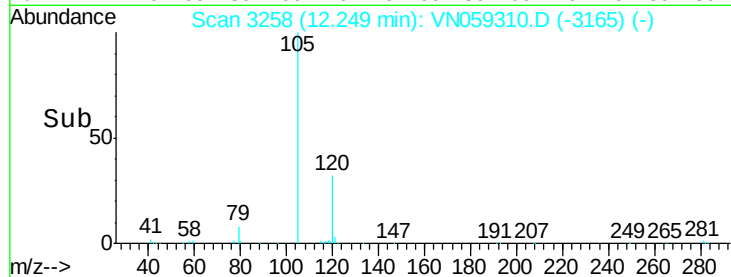
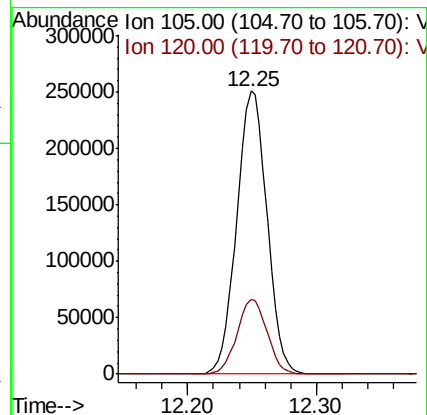
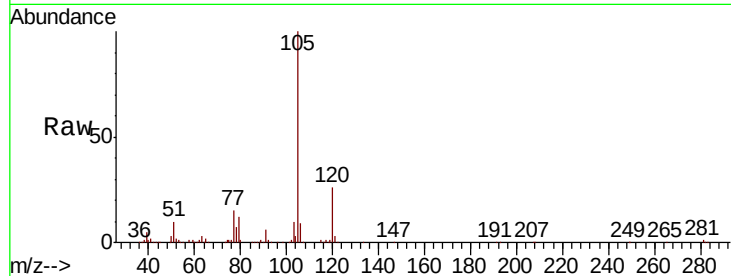
105 100

120 26.2 13.1 39.3

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#74

N-ethyl acetate

Concen: 21.474 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Tgt Ion: 43 Resp: 152282

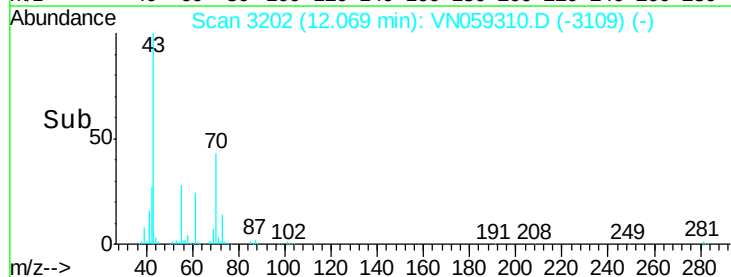
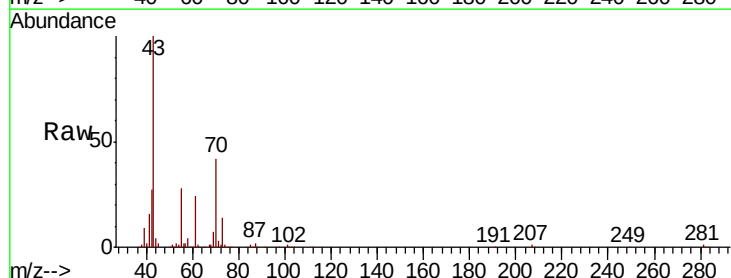
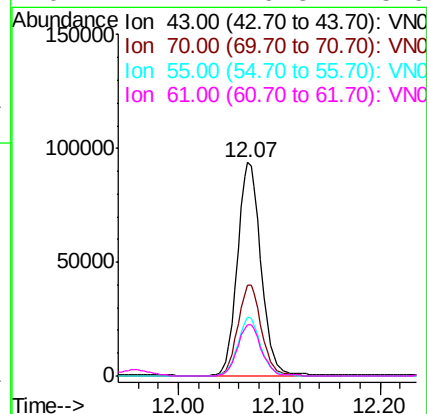
Ion Ratio Lower Upper

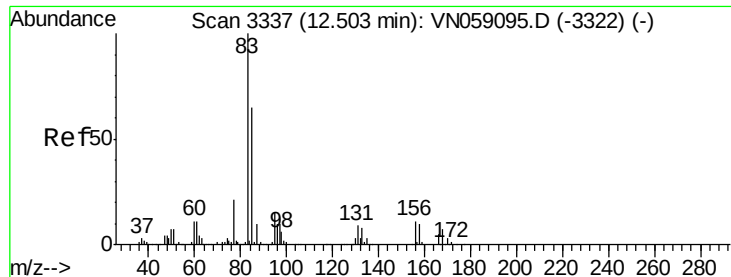
43 100

70 42.8 32.2 48.4

55 26.8 20.4 30.6

61 24.7 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 22.482 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

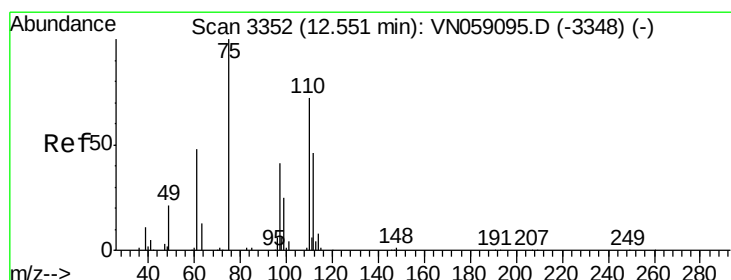
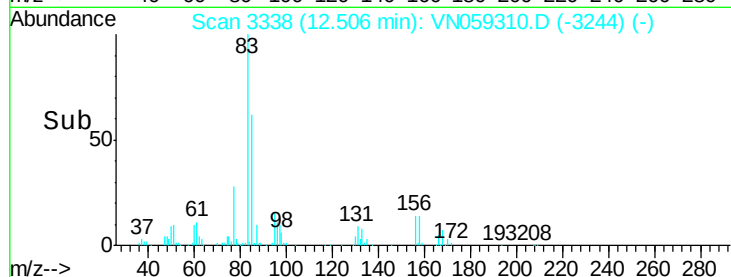
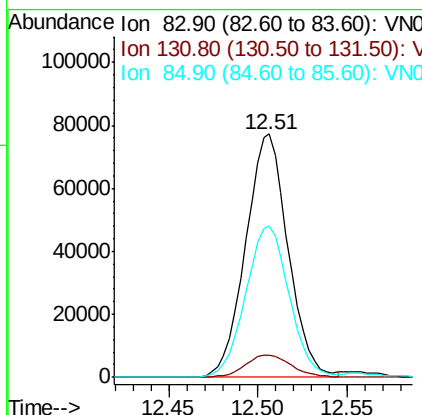
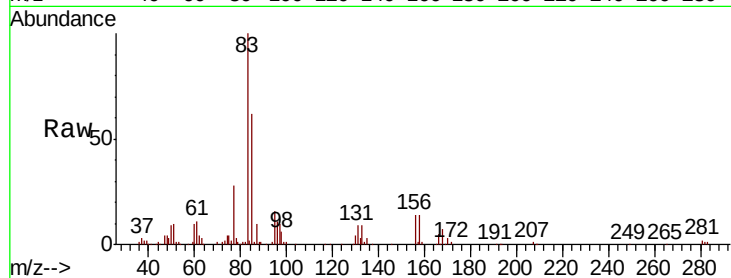
ClientSampleId :

VN1119MBS04

Tot Ion:	83	Resp:	128126
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.9	14.6
85	63.9	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 22.457 ug/l m

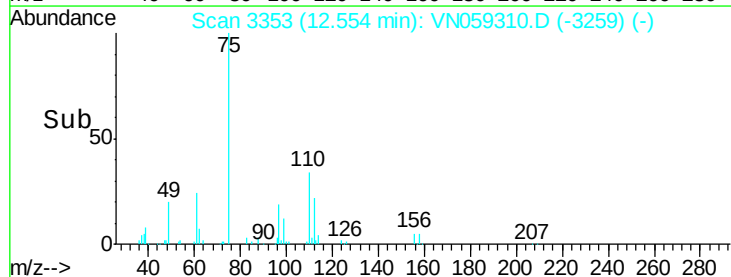
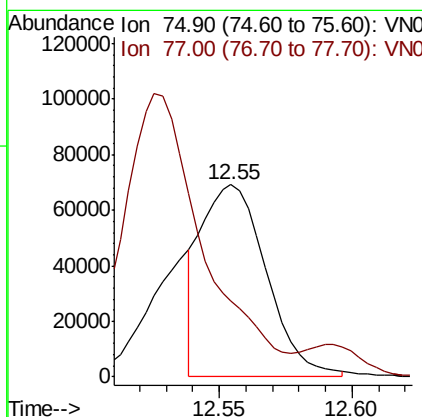
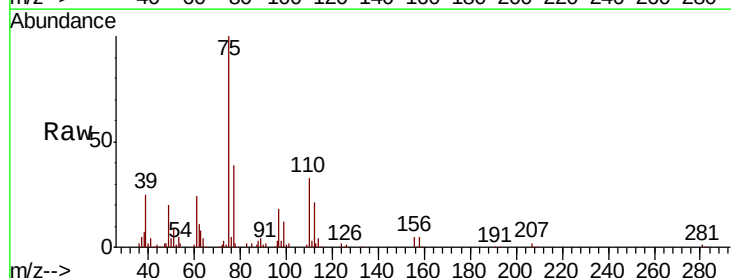
RT: 12.55 min Scan# 3353

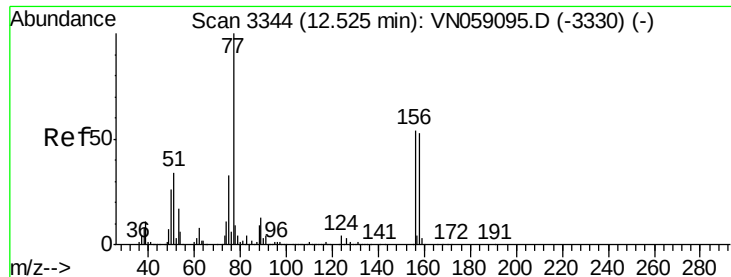
Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Tgt Ion:	75	Resp:	117629
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 23.358 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

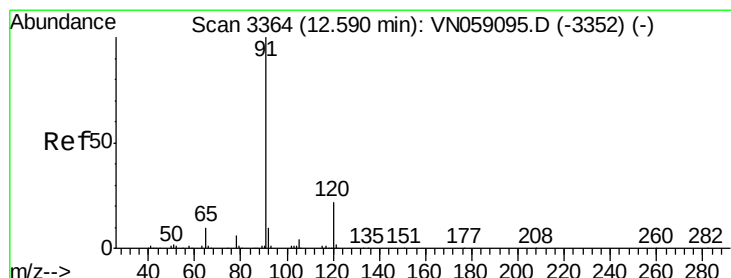
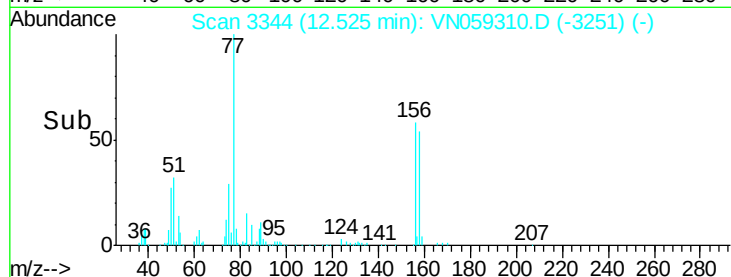
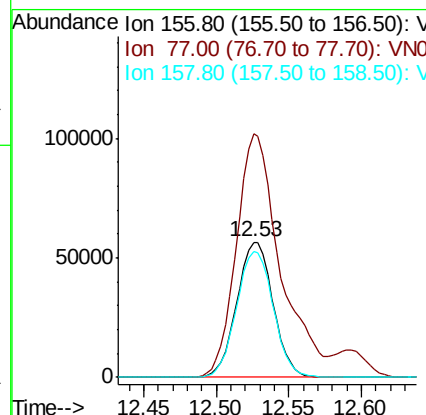
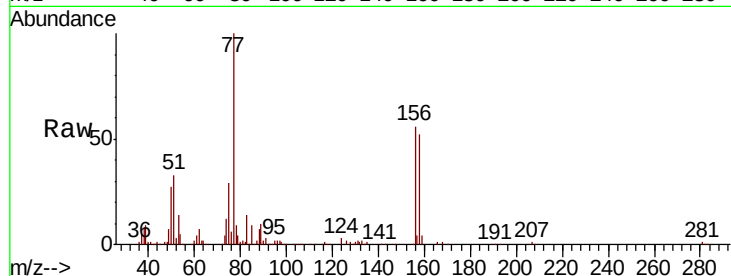
ClientSampleId :

VN1119MBS04

Tot Ion:	156	Resp:	98210
Ion Ratio	Lower	Upper	
156	100		
77	218.4	112.8	338.3
158	94.6	48.4	145.3

Manual Integrations
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#78

n-propylbenzene

Concen: 24.313 ug/l

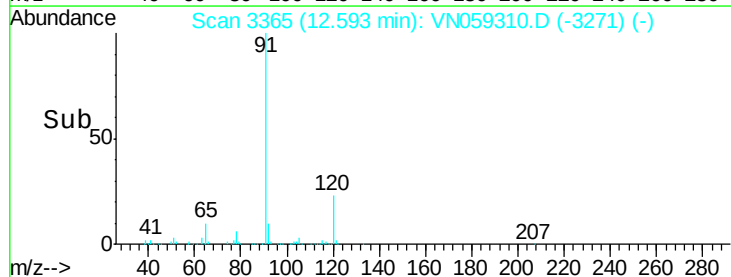
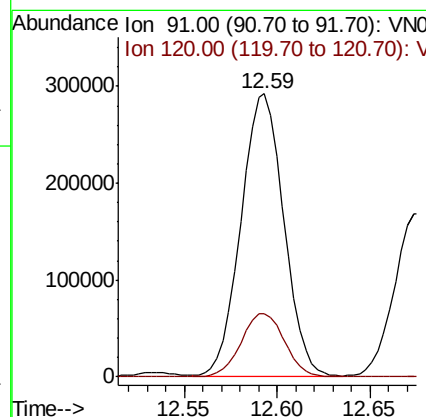
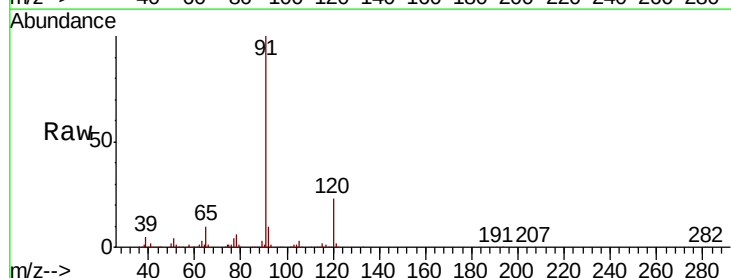
RT: 12.59 min Scan# 3365

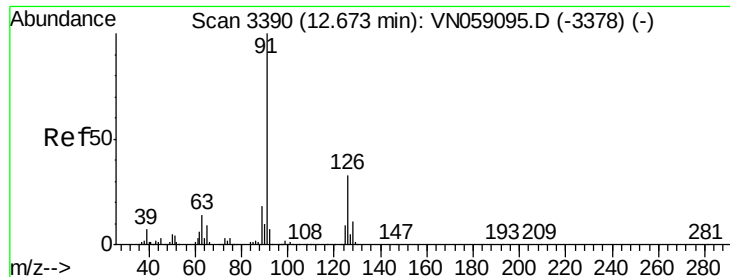
Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Tgt Ion:	91	Resp:	465882
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.2	33.5





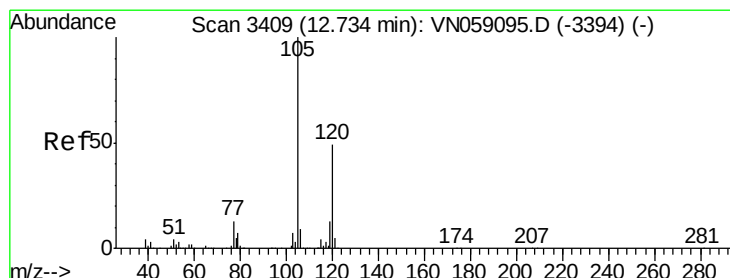
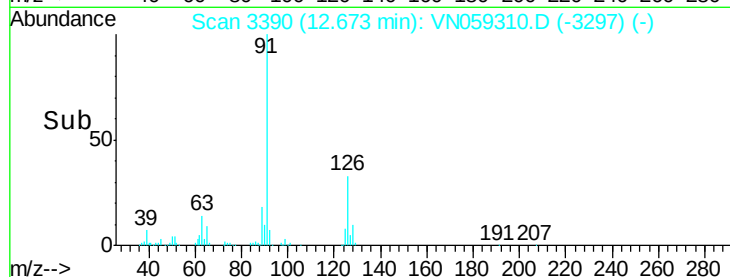
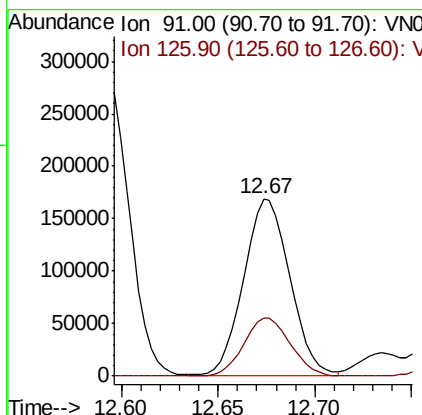
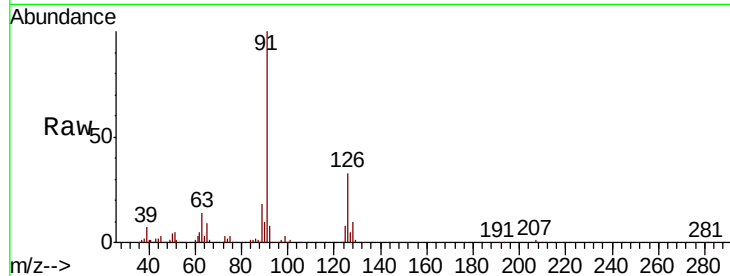
#79
 2-Chlorotoluene
 Concen: 23.558 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN059310.D
 Acq: 19 Nov 2019 17:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119MBS04

Tot Ion: 91 Resp: 280033
 Ion Ratio Lower Upper
 91 100
 126 33.5 16.7 50.1

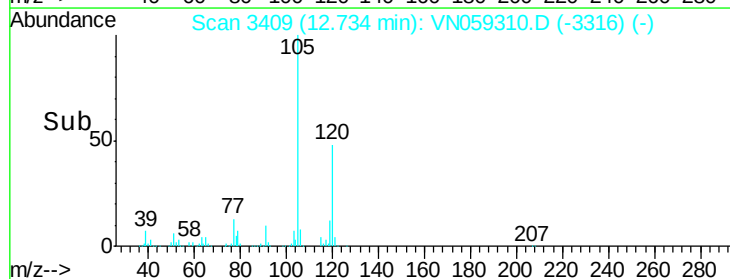
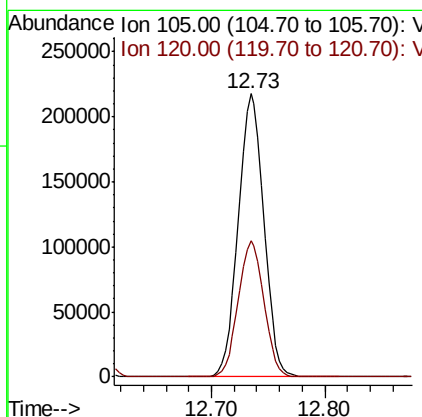
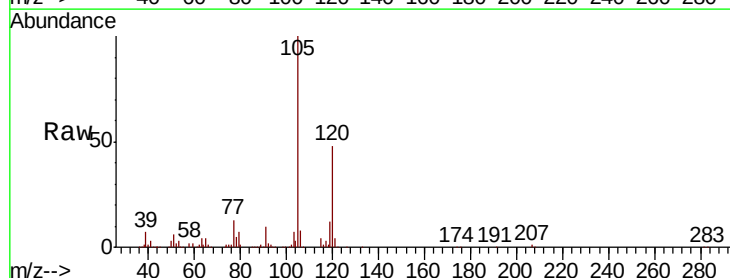
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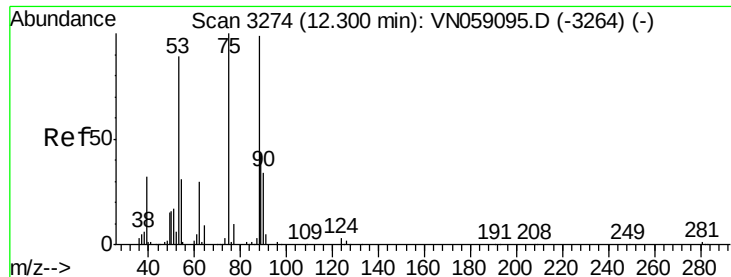
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#80
 1,3,5-Trimethylbenzene
 Concen: 24.236 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN059310.D
 Acq: 19 Nov 2019 17:02

Tgt Ion: 105 Resp: 343677
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.0 72.0





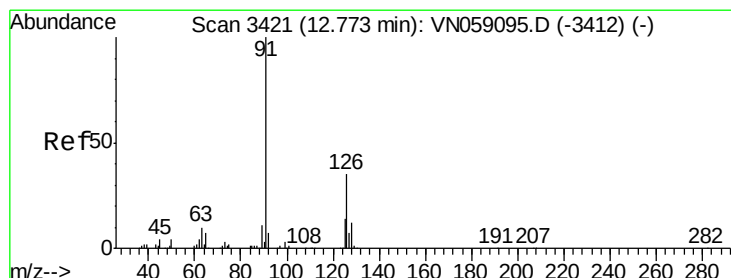
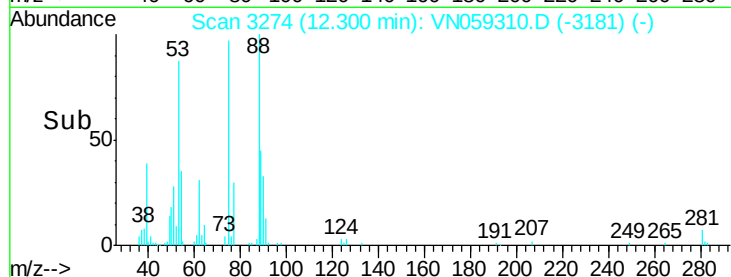
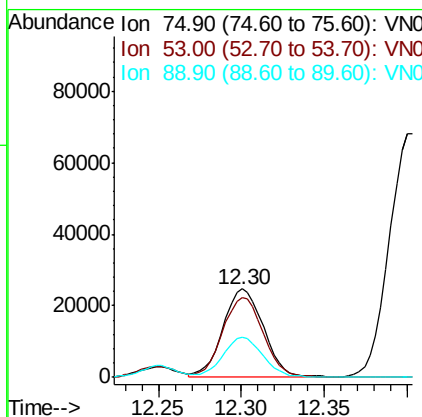
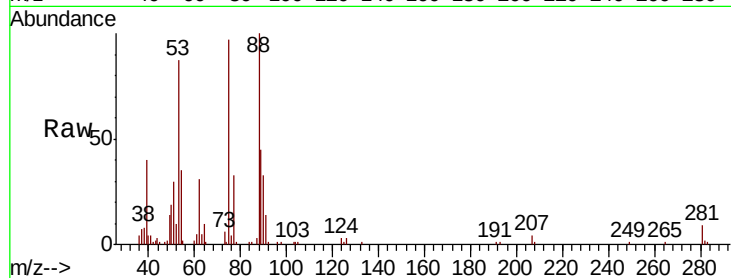
#81
trans-1,4-Dichloro-2-butene
Concen: 20.840 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059310.D
Acq: 19 Nov 2019 17:02

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS04

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.9	72.2	108.2
89	45.5	35.8	53.8

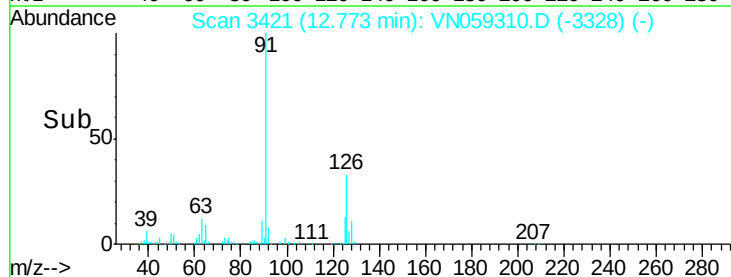
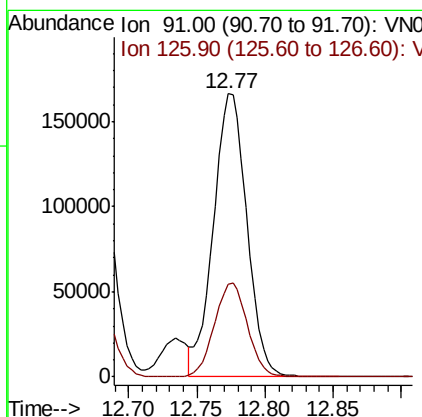
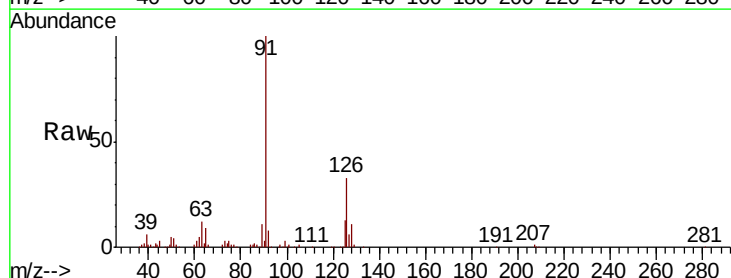
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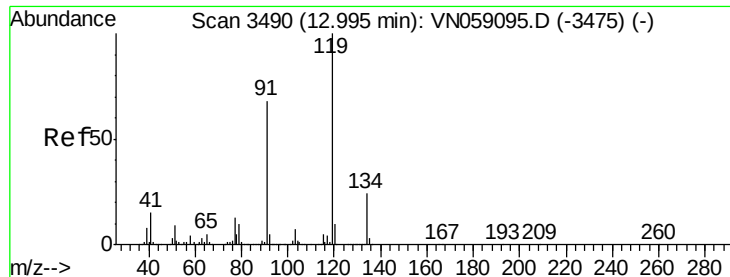
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#82
4-Chlorotoluene
Concen: 23.717 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059310.D
Acq: 19 Nov 2019 17:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.1	48.2





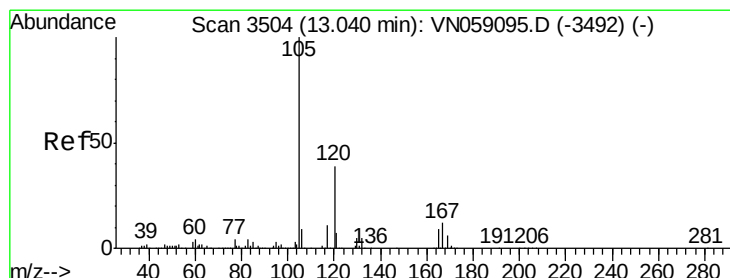
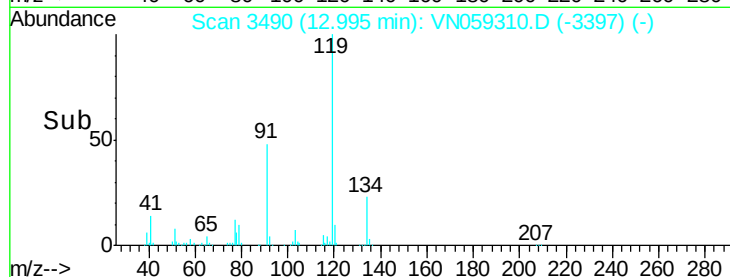
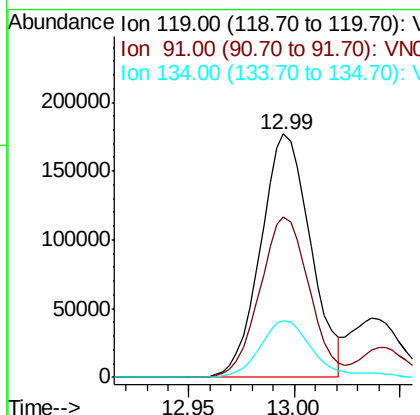
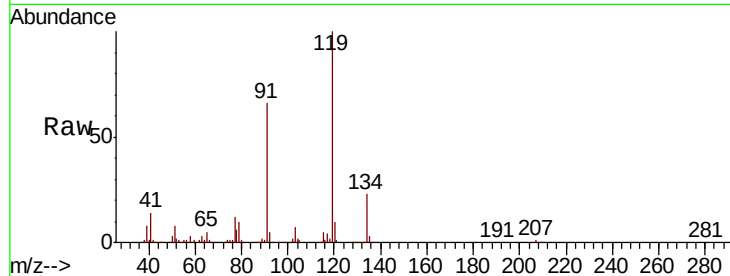
#83
 tert-Butylbenzene
 Concen: 23.747 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN059310.D
 Acq: 19 Nov 2019 17:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119MBS04

Tot Ion	Ratio	Resp	Lower	Upper
119	100	290813		
91	65.5	33.2	99.6	
134	25.0	12.7	38.1	

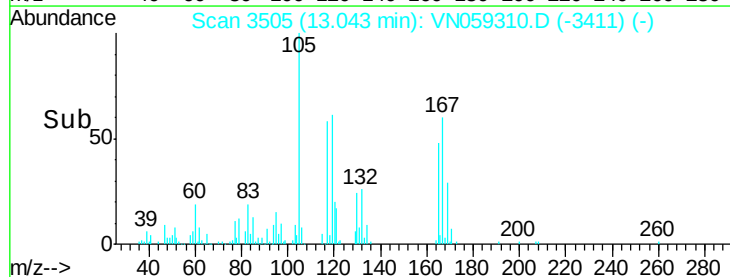
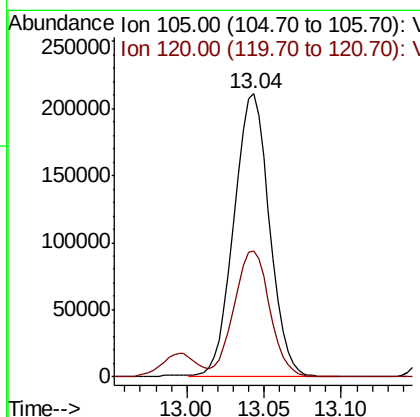
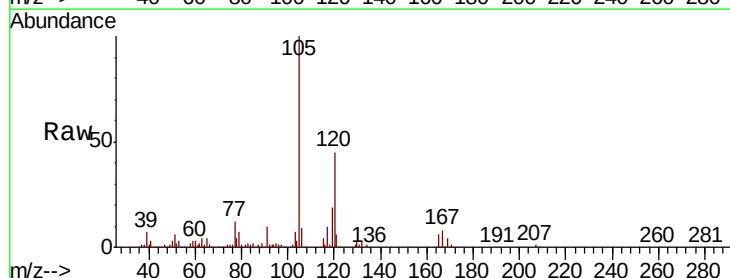
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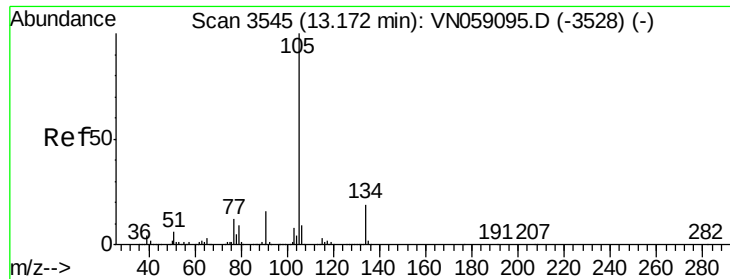
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#84
 1,2,4-Trimethylbenzene
 Concen: 24.413 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN059310.D
 Acq: 19 Nov 2019 17:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	334945		
120	44.8	22.8	68.4	





#85

sec-Butylbenzene

Concen: 24.624 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS04

Tot Ion:105 Resp: 392176

Ion Ratio Lower Upper

105 100

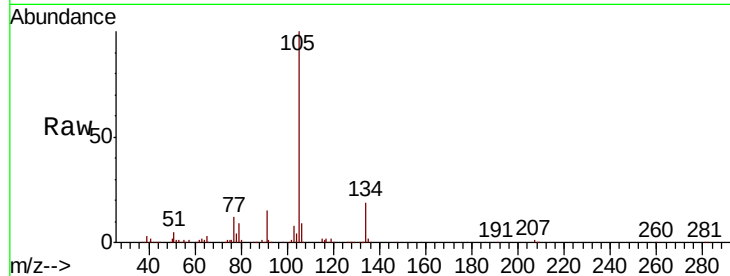
134 19.6 9.7 29.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

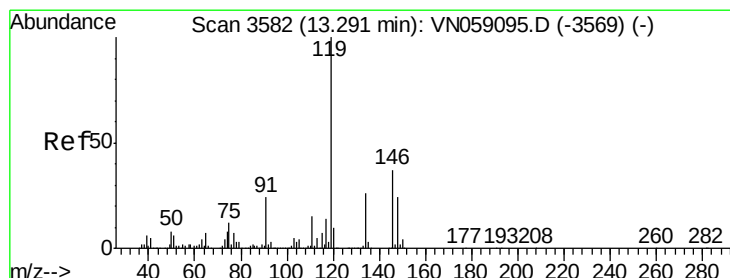
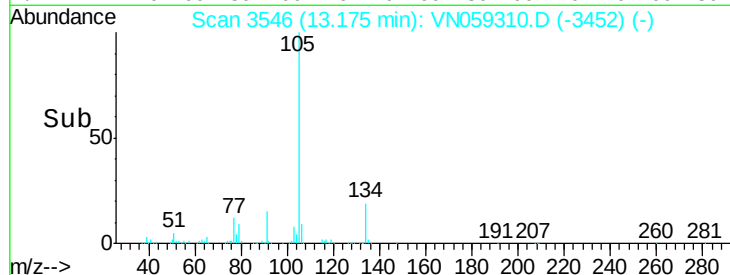
100000

50000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 24.817 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

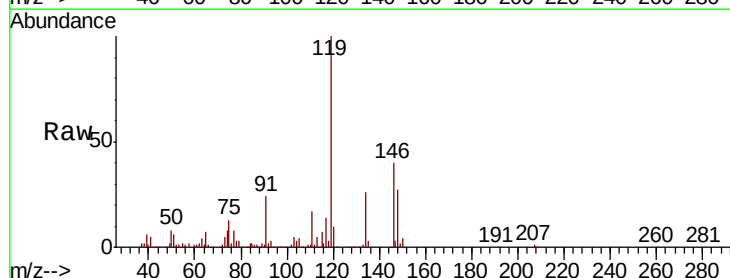
Tgt Ion:119 Resp: 348996

Ion Ratio Lower Upper

119 100

134 25.9 13.0 38.9

91 23.1 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

300000

250000

200000

150000

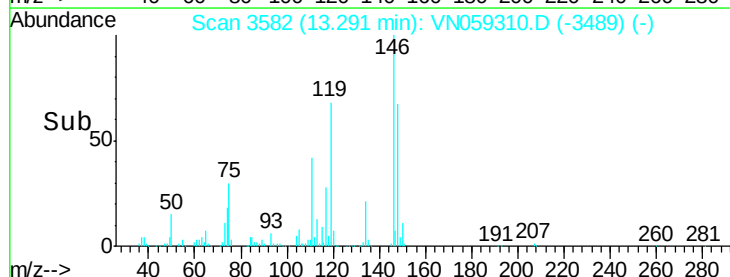
100000

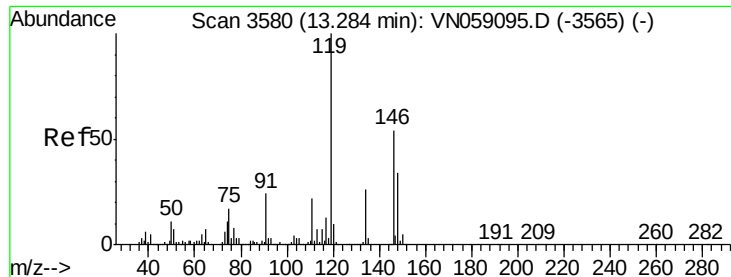
50000

0

13.25 13.30 13.35

Time-->





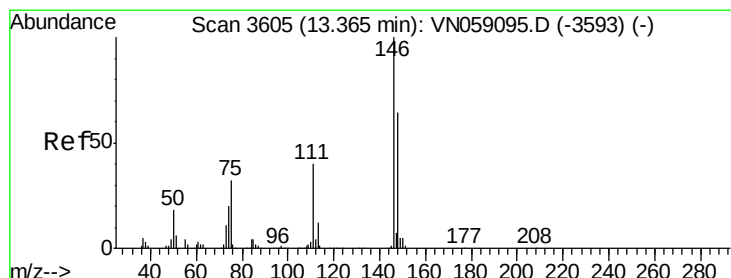
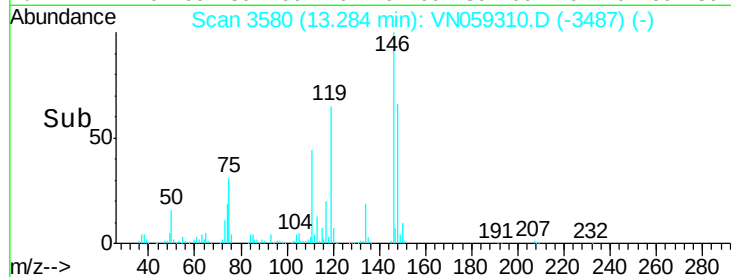
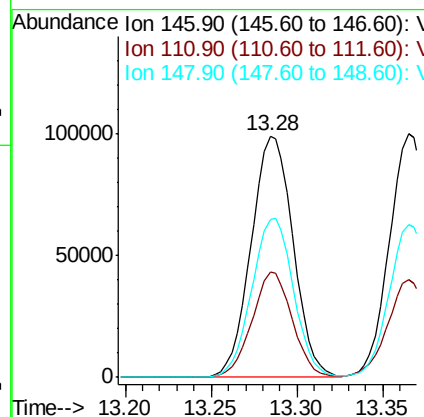
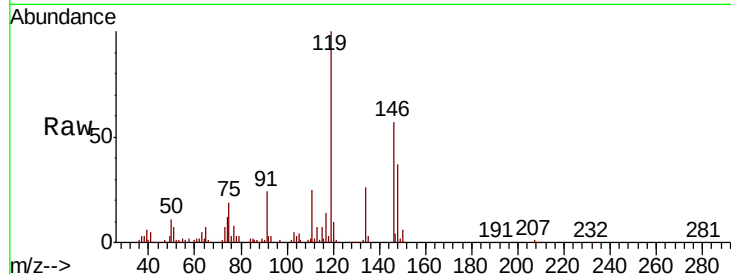
#87
 1,3-Dichlorobenzene
 Concen: 23.304 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN059310.D
 Acq: 19 Nov 2019 17:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119MBS04

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.4	61.3
148	65.6	32.2	96.6

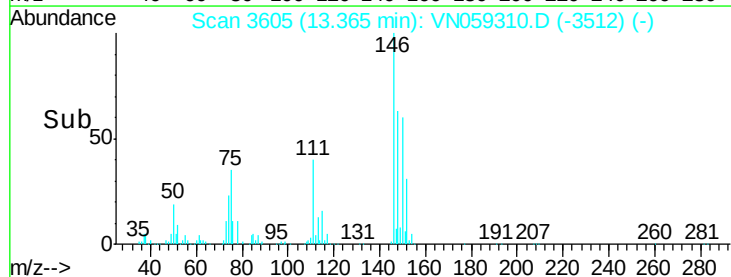
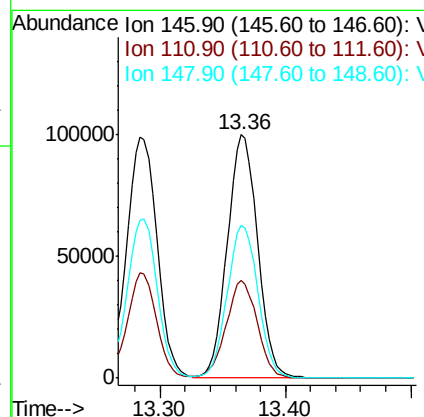
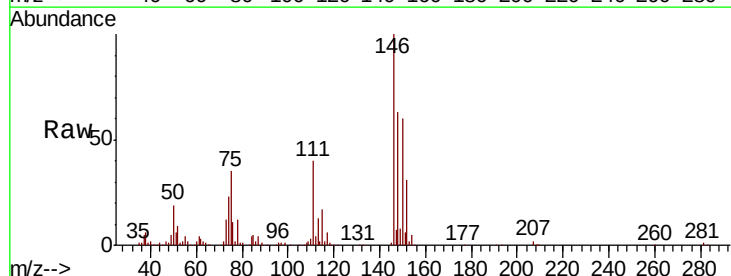
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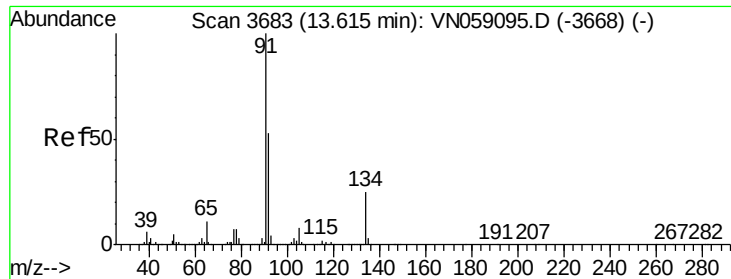
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#88
 1,4-Dichlorobenzene
 Concen: 23.228 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN059310.D
 Acq: 19 Nov 2019 17:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.3	60.9
148	64.0	31.9	95.7





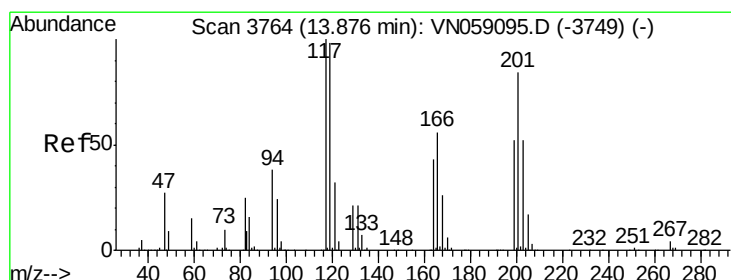
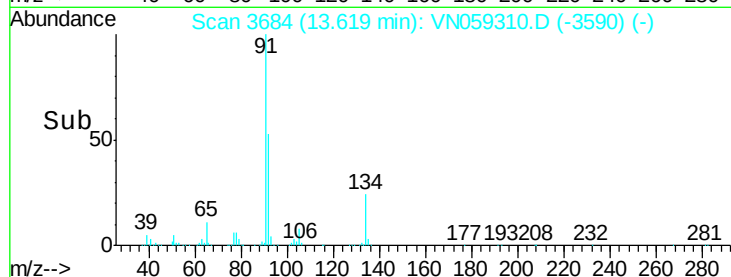
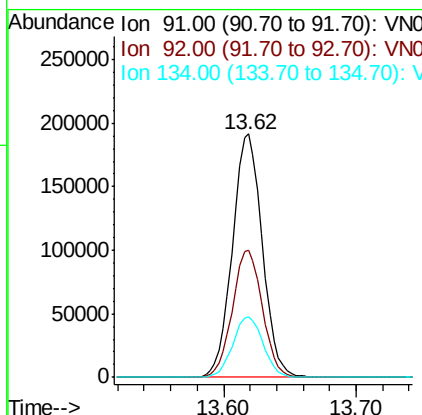
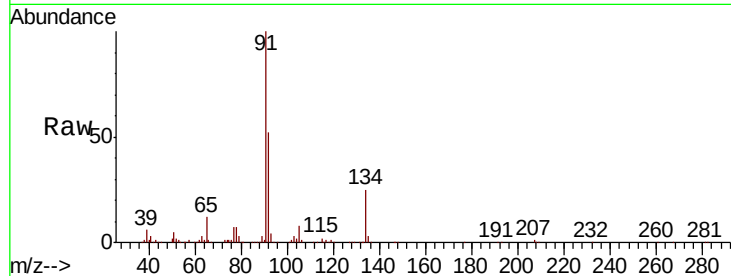
#89
n-Butylbenzene
Concen: 24.339 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059310.D
Acq: 19 Nov 2019 17:02

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS04

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.1	78.3
134	25.6	12.6	37.8

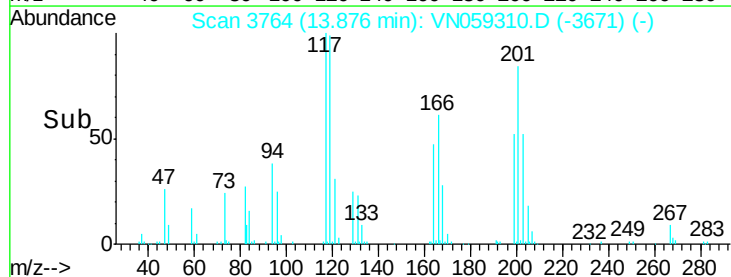
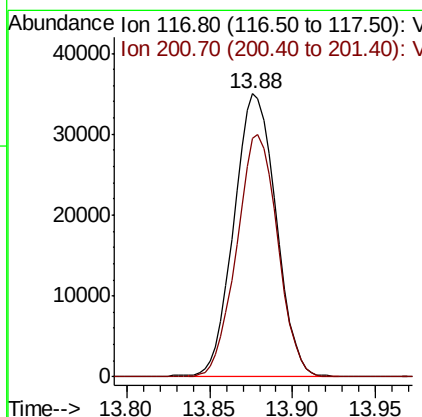
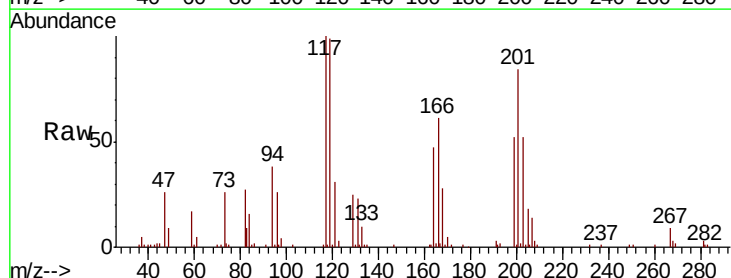
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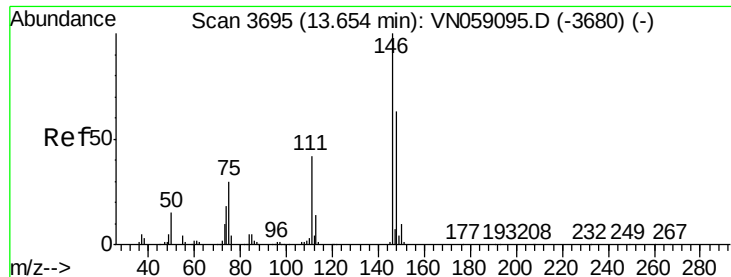
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#90
Hexachloroethane
Concen: 21.878 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059310.D
Acq: 19 Nov 2019 17:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.3	41.8	125.3





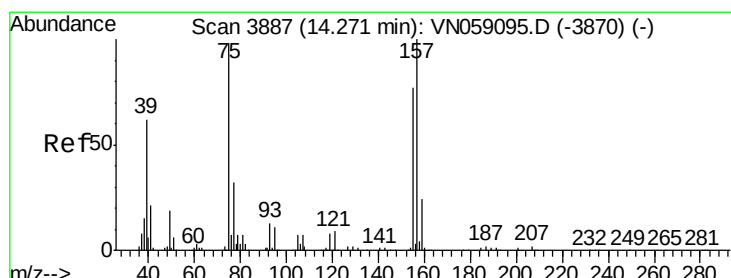
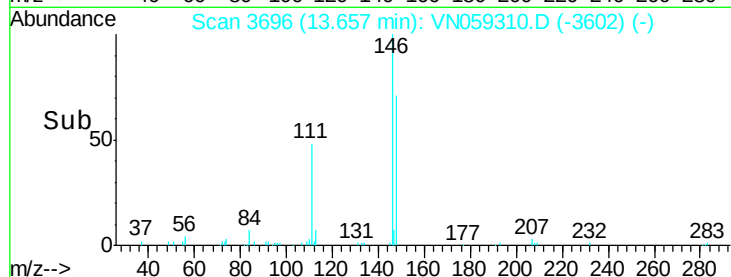
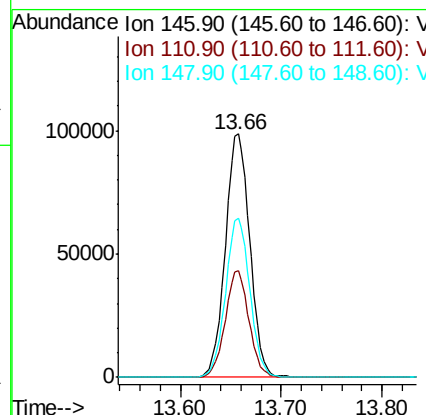
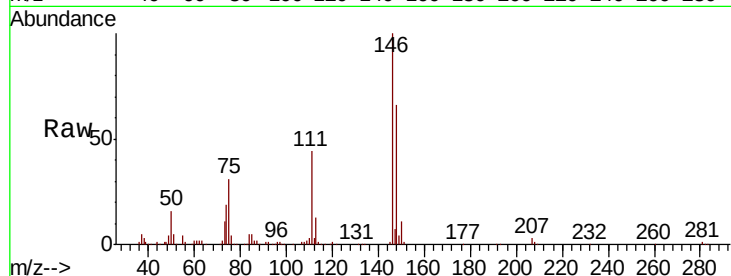
#91
 1,2-Dichlorobenzene
 Concen: 23.642 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN059310.D
 Acq: 19 Nov 2019 17:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119MBS04

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.2	63.6
148	64.8	31.6	94.7

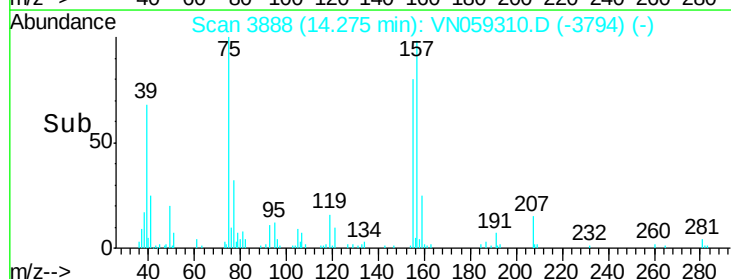
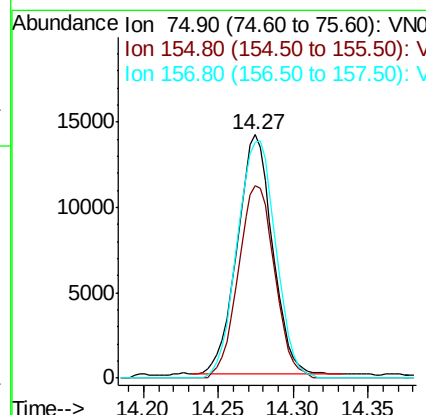
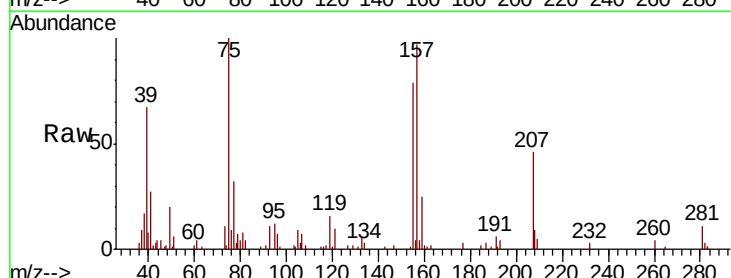
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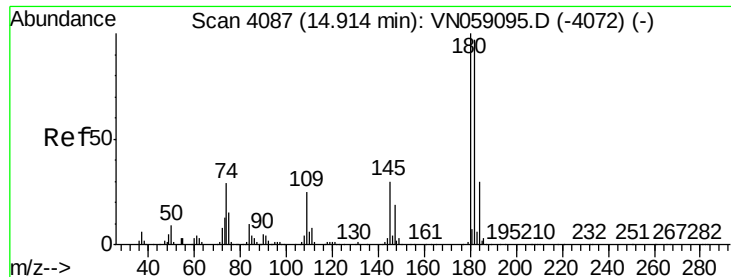
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.161 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059310.D
 Acq: 19 Nov 2019 17:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.3	40.2	120.6
157	108.7	51.8	155.5





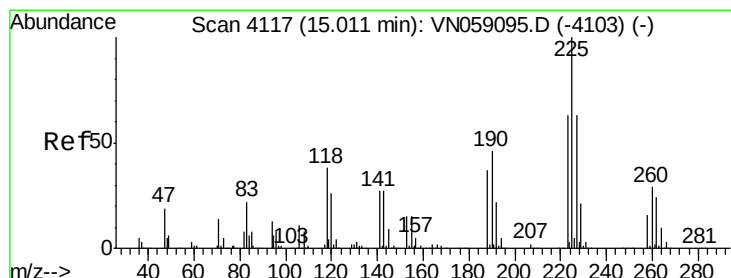
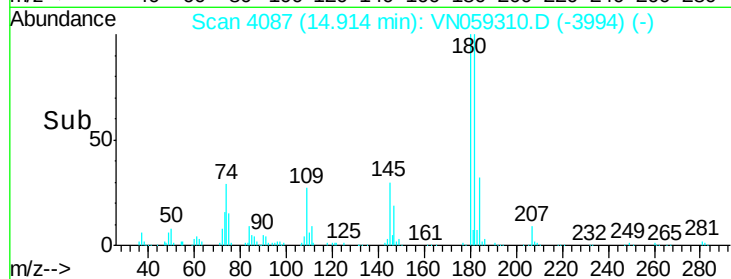
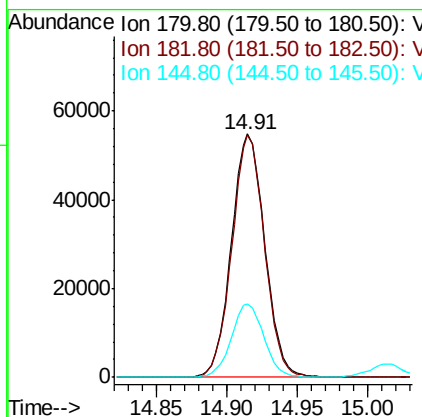
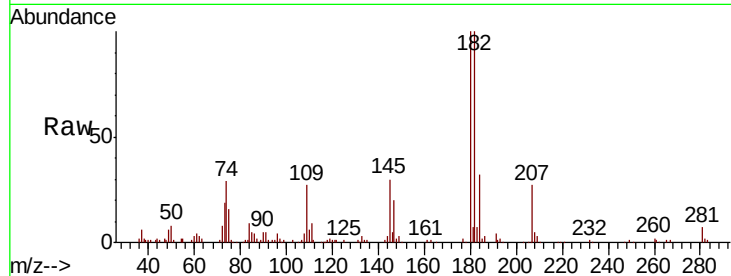
#93
 1,2,4-Trichlorobenzene
 Concen: 22.926 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059310.D
 Acq: 19 Nov 2019 17:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119MBS04

Tot Ion	Ratio	Resp	Lower	Upper
180	100	90970		
182	96.9		48.1	144.3
145	29.8		15.1	45.3

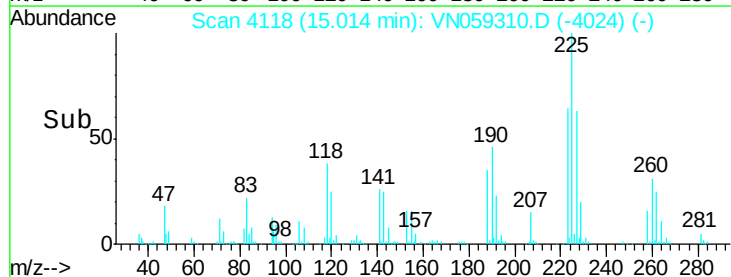
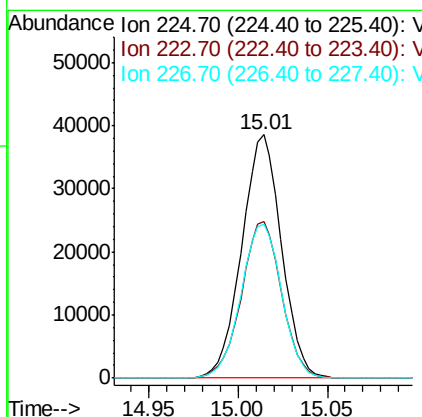
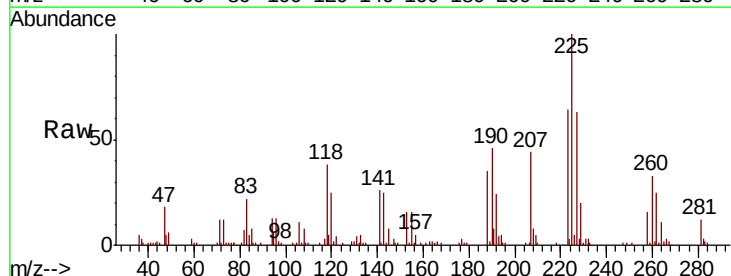
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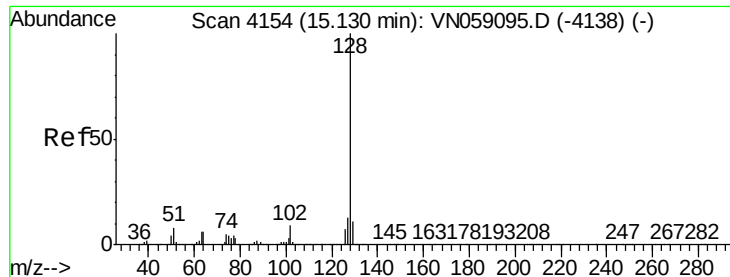
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#94
 Hexachlorobutadiene
 Concen: 24.507 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059310.D
 Acq: 19 Nov 2019 17:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	59849		
223	64.9		31.3	93.9
227	64.6		31.5	94.5





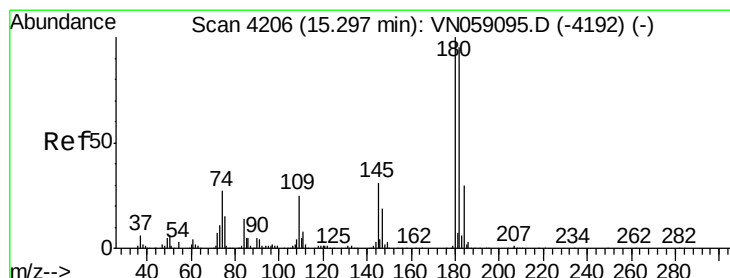
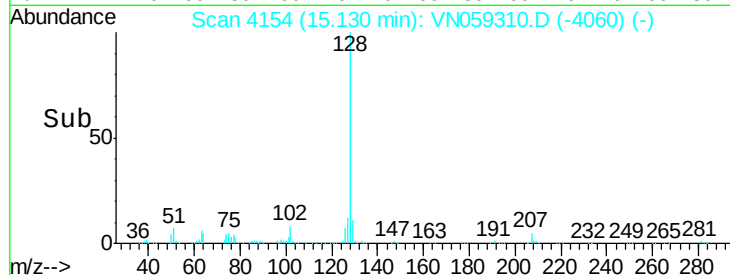
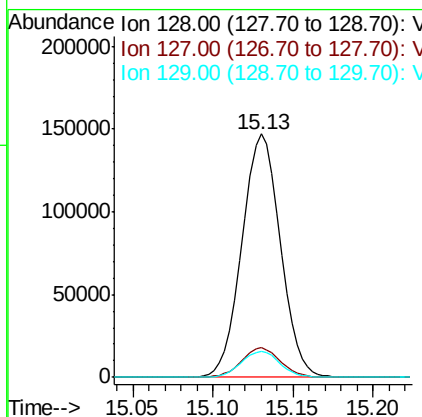
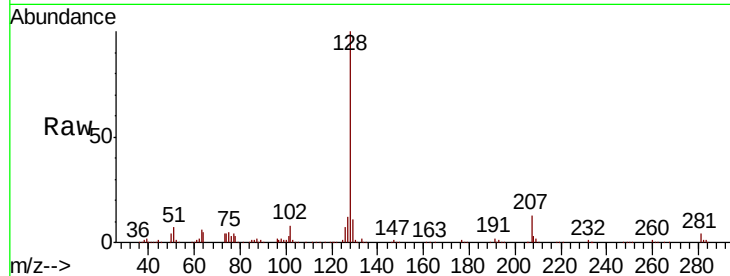
#95
Naphthalene
Concen: 22.013 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059310.D
Acq: 19 Nov 2019 17:02

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS04

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/20/2019 1:37:01 PM



#96
1,2,3-Trichlorobenzene
Concen: 22.747 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN059310.D
Acq: 19 Nov 2019 17:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.3	141.8
145	32.7	15.8	47.3

