

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111919\
 Data File : VN059306.D
 Acq On : 19 Nov 2019 14:55
 Operator : JC/SP
 Sample : VN1119MBS03
 Misc : 5.00uL/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119MBS03

Manual Integrations
 APPROVED

MMDadoda
 11/20/2019 1:37:13 PM

Quant Time: Nov 20 02:38:18 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	419796	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	659505	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	583859	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	259705	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	236881	45.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.80%	
35) Dibromofluoromethane	7.57	113	190270	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
50) Toluene-d8	10.08	98	707115	45.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.18%	
62) 4-Bromofluorobenzene	12.40	95	256728	45.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.80%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	70735	16.724	ug/l	100
3) Chloromethane	2.04	50	82421	14.335	ug/l	99
4) Vinyl Chloride	2.17	62	85252	15.294	ug/l	100
5) Bromomethane	2.55	94	46964	14.641	ug/l	98
6) Chloroethane	2.69	64	43873	13.305	ug/l	93
7) Trichlorofluoromethane	3.00	101	84220	12.632	ug/l	98
8) Diethyl Ether	3.39	74	36158	13.347	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	52571	13.077	ug/l	99
10) Methyl Iodide	3.93	142	60488	12.156	ug/l	99
11) Tert butyl alcohol	4.74	59	57555	58.523	ug/l	97
12) 1,1-Dichloroethene	3.72	96	51849	13.240	ug/l	96
13) Acrolein	3.58	56	13312	26.254	ug/l	94
14) Allyl chloride	4.29	41	98046	12.189	ug/l	99
15) Acrylonitrile	4.95	53	150049	61.307	ug/l	100
16) Acetone	3.79	43	154796	57.684	ug/l	99
17) Carbon Disulfide	4.03	76	166960	13.734	ug/l	99
18) Methyl Acetate	4.29	43	87388	13.720	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	173664	12.881	ug/l	98
20) Methylene Chloride	4.52	84	60318	12.902	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	55704	13.252	ug/l	94
22) Diisopropyl ether	5.92	45	186941	12.304	ug/l	94
23) Vinyl Acetate	5.86	43	730241	62.013	ug/l	99
24) 1,1-Dichloroethane	5.82	63	108007	12.727	ug/l	99
25) 2-Butanone	6.81	43	202201	57.172	ug/l	100
26) 2,2-Dichloropropane	6.80	77	91231	12.294	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	63103	12.940	ug/l	98
28) Bromochloromethane	7.17	49	38242	14.978	ug/l	96
29) Tetrahydrofuran	7.18	42	137226	61.065	ug/l	99
30) Chloroform	7.35	83	105345	12.941	ug/l	99
31) Cyclohexane	7.63	56	103938	12.938	ug/l	# 89
32) 1,1,1-Trichloroethane	7.55	97	88439	12.922	ug/l	98
36) 1,1-Dichloropropene	7.77	75	78174	12.681	ug/l	99
37) Ethyl Acetate	6.90	43	82318	12.004	ug/l	99
38) Carbon Tetrachloride	7.75	117	76095	12.402	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	94136	13.158	ug/l	99
40) Benzene	8.02	78	240057	12.932	ug/l	99
41) Methacrylonitrile	7.16	41	40747m	13.664	ug/l	
42) 1,2-Dichloroethane	8.10	62	79165	12.434	ug/l	100
43) Isopropyl Acetate	8.14	43	127080	11.624	ug/l	92
44) Trichloroethene	8.82	130	60464	13.250	ug/l	98
45) 1,2-Dichloropropane	9.10	63	62867	12.468	ug/l	99
46) Dibromomethane	9.19	93	38652	12.302	ug/l	100
47) Bromodichloromethane	9.39	83	77229	12.309	ug/l	96
48) Methyl methacrylate	9.19	41	56004	11.452	ug/l	98
49) 1,4-Dioxane	9.18	88	20012	230.267	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	387519	62.643	ug/l	99
52) Toluene	10.15	92	144000	12.942	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	87568	12.081	ug/l	95
54) cis-1,3-Dichloropropene	9.83	75	98760	12.666	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	55962	12.428	ug/l	98
56) Ethyl methacrylate	10.42	69	80964	12.250	ug/l	97
57) 1,3-Dichloropropane	10.70	76	97323	12.558	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	192513	76.821	ug/l	99
59) 2-Hexanone	10.74	43	286827	60.408	ug/l	100
60) Dibromochloromethane	10.90	129	57002	11.973	ug/l	99
61) 1,2-Dibromoethane	11.00	107	56295	12.350	ug/l	99
64) Tetrachloroethene	10.63	164	53006	13.351	ug/l	97
65) Chlorobenzene	11.43	112	149896	13.170	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	53319	12.488	ug/l	96
67) Ethyl Benzene	11.51	91	268877	13.315	ug/l	99
68) m/p-Xylenes	11.62	106	197941	26.168	ug/l	99
69) o-Xylene	11.95	106	94538	12.932	ug/l	99
70) Styrene	11.96	104	145046	12.616	ug/l	99
71) Bromoform	12.13	173	38825	11.691	ug/l #	97
73) Isopropylbenzene	12.25	105	250958	13.285	ug/l	99
74) N-amyl acetate	12.07	43	91841	11.473	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	83079	12.914	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	76952m	13.015	ug/l	
77) Bromobenzene	12.53	156	60452	12.737	ug/l	98
78) n-propylbenzene	12.59	91	286107	13.227	ug/l	99
79) 2-Chlorotoluene	12.68	91	171877	12.809	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	211664	13.223	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	27090	12.102	ug/l	100
82) 4-Chlorotoluene	12.77	91	174760	12.985	ug/l	99
83) tert-Butylbenzene	12.99	119	178700	12.927	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	203540	13.143	ug/l	99
85) sec-Butylbenzene	13.17	105	240095	13.355	ug/l	100
86) p-Isopropyltoluene	13.29	119	213422	13.445	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	105014	12.921	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	101756	12.513	ug/l	98
89) n-Butylbenzene	13.62	91	178346	12.836	ug/l	99
90) Hexachloroethane	13.88	117	37588	11.792	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	101943	12.751	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15376	12.000	ug/l	96

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	53097	13.326	ug/l	97
94) Hexachlorobutadiene	15.01	225	36860	13.371	ug/l	99
95) Naphthalene	15.13	128	141243	12.901	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	54372	12.135	ug/l	97

(#) = 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: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS03

Tot Ion:168 Resp: 419796

Ion Ratio Lower Upper

168 100

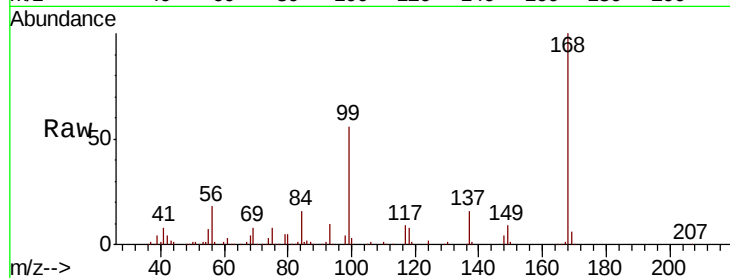
99 55.6 45.7 68.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

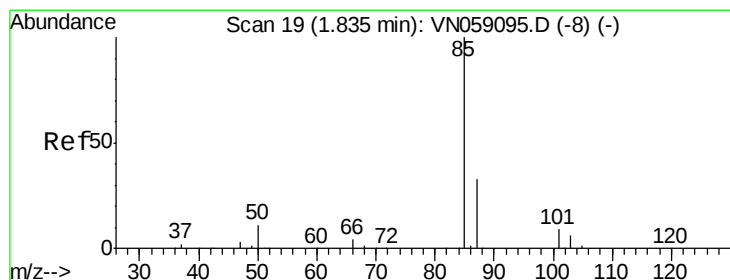
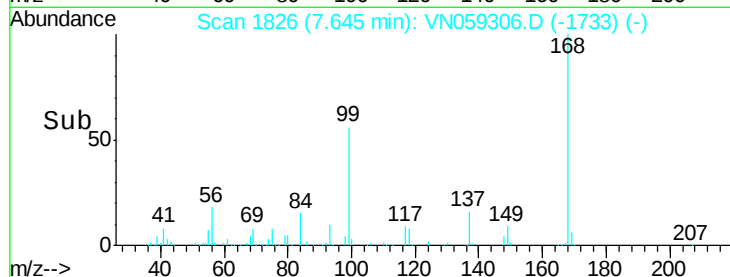
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 16.724 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059306.D

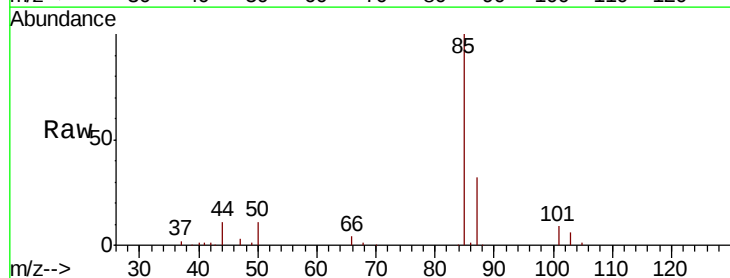
Acq: 19 Nov 2019 14:55

Tgt Ion: 85 Resp: 70735

Ion Ratio Lower Upper

85 100

87 32.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

50000

40000

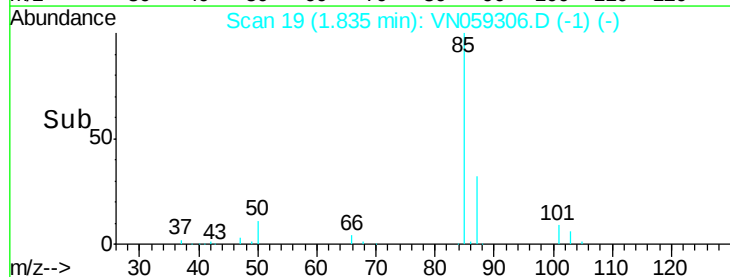
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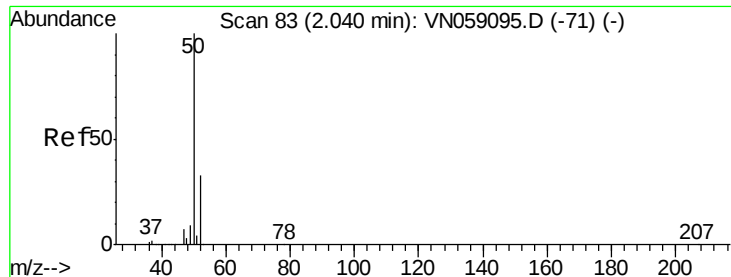
20000

10000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 14.335 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS03

Tot Ion: 50 Resp: 82421

Ion Ratio Lower Upper

50 100

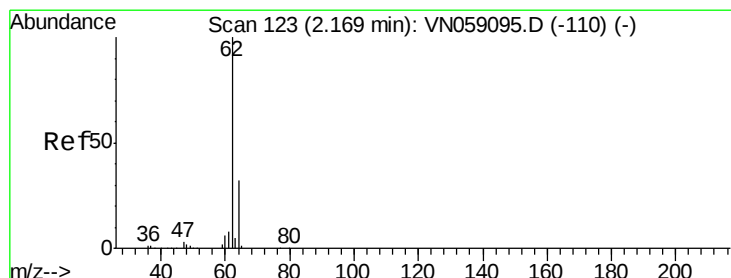
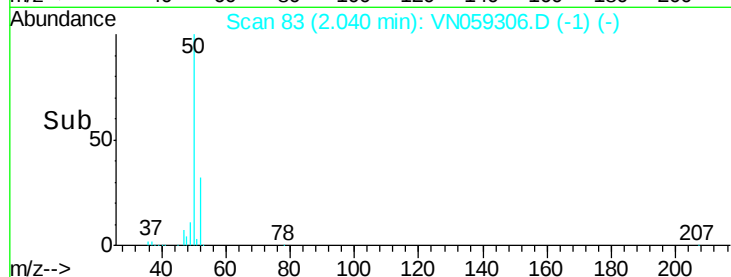
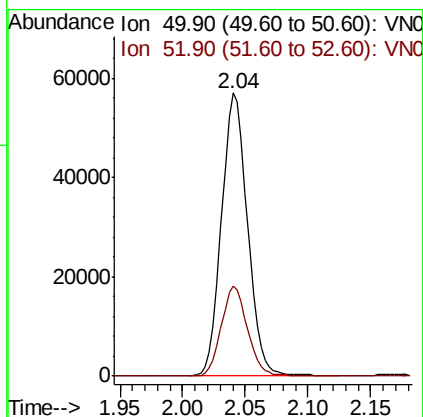
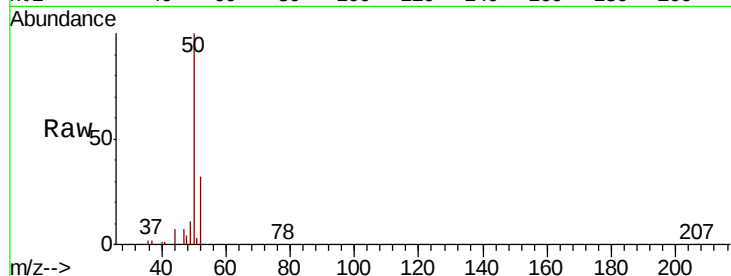
52 31.7 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 15.294 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN059306.D

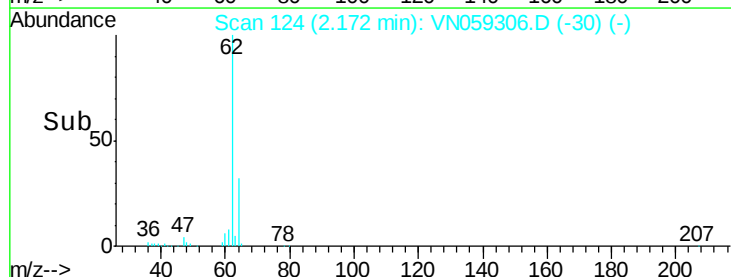
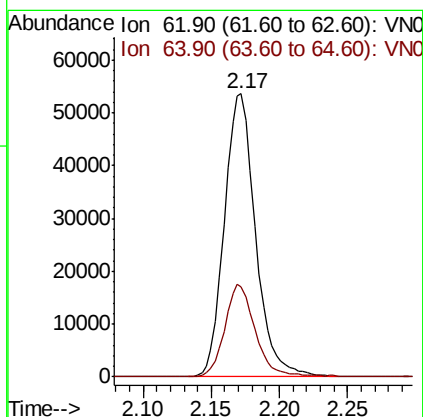
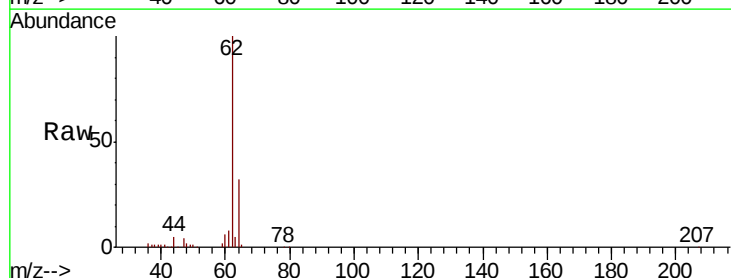
Acq: 19 Nov 2019 14:55

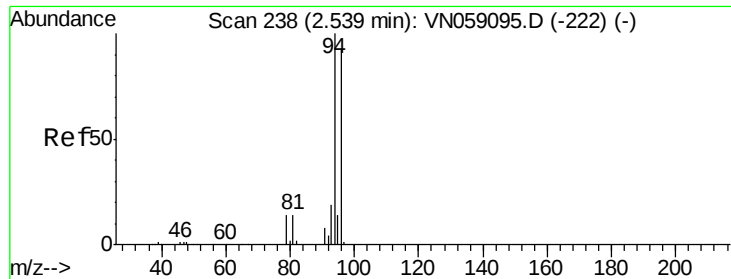
Tgt Ion: 62 Resp: 85252

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.2





#5

Bromomethane

Concen: 14.641 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.01 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS03

Tot Ion: 94 Resp: 46964

Ion Ratio Lower Upper

94 100

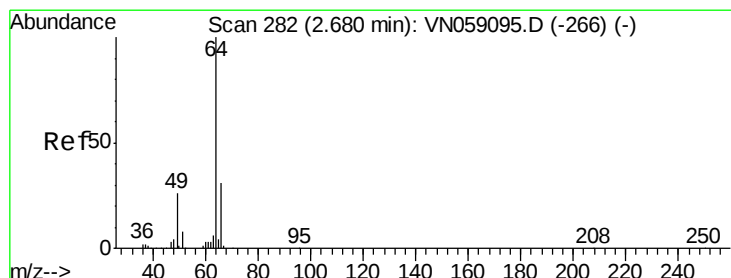
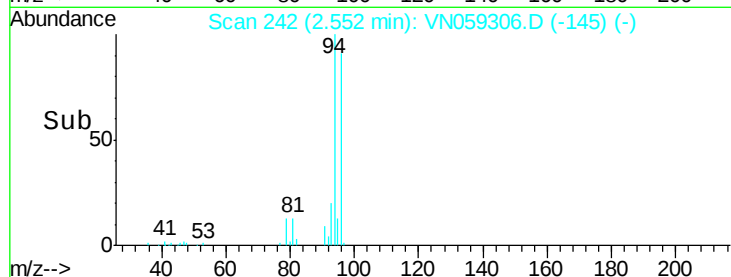
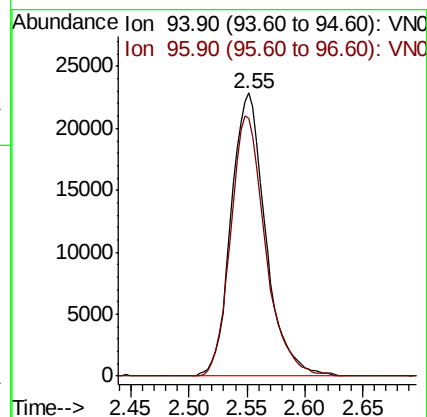
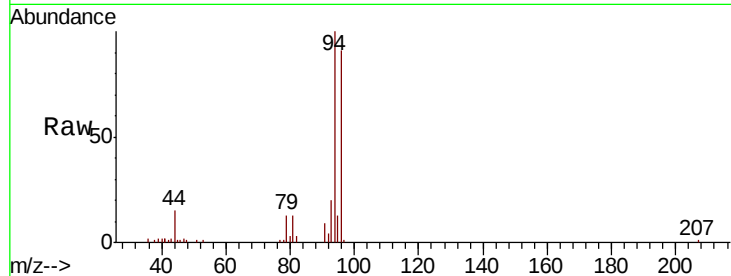
96 91.1 74.2 111.2

Manual Integrations

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11/20/2019 1:37:13 PM



#6

Chloroethane

Concen: 13.305 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN059306.D

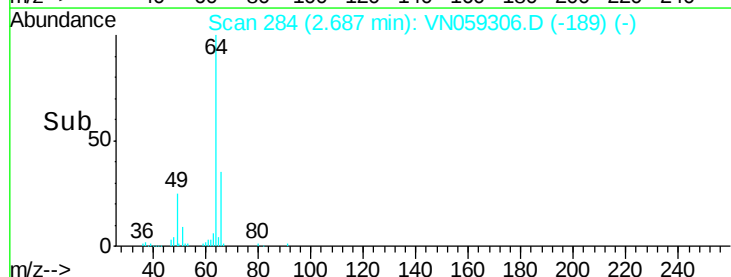
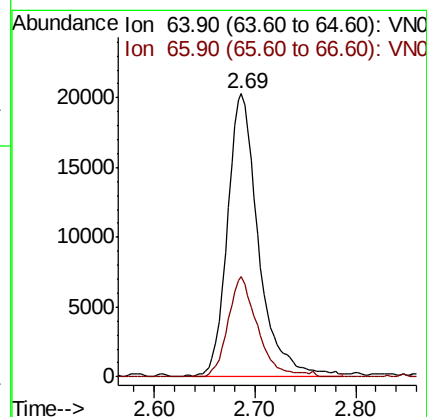
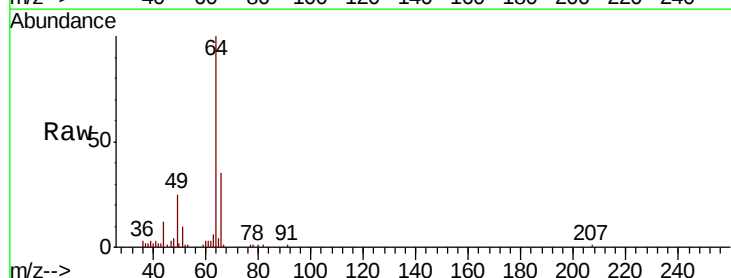
Acq: 19 Nov 2019 14:55

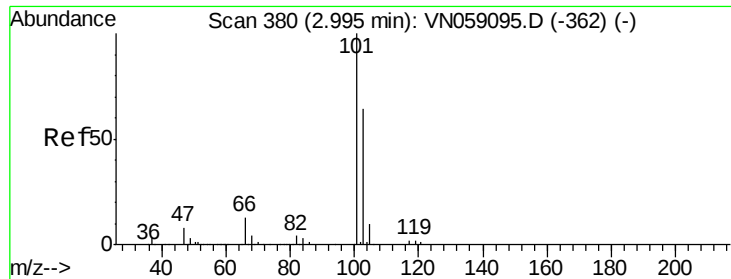
Tgt Ion: 64 Resp: 43873

Ion Ratio Lower Upper

64 100

66 35.3 25.2 37.8





#7

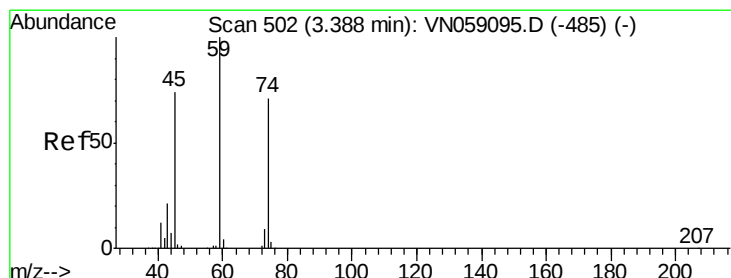
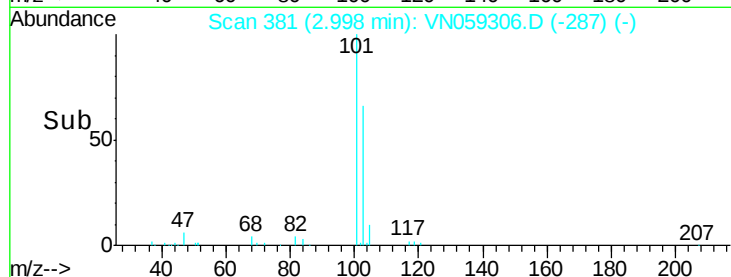
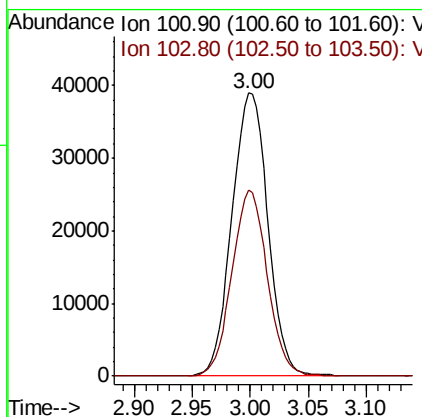
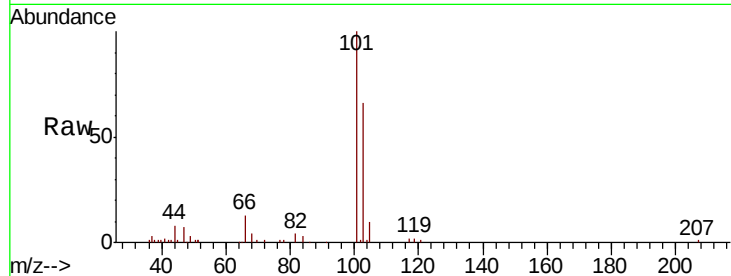
Trichlorofluoromethane
 Concen: 12.632 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN059306.D
 Acq: 19 Nov 2019 14:55

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		84220		
103	65.6	51.2	76.8		

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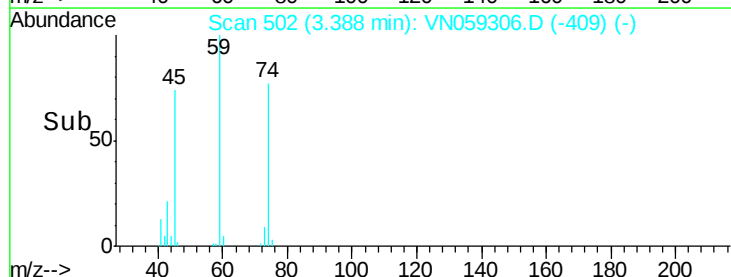
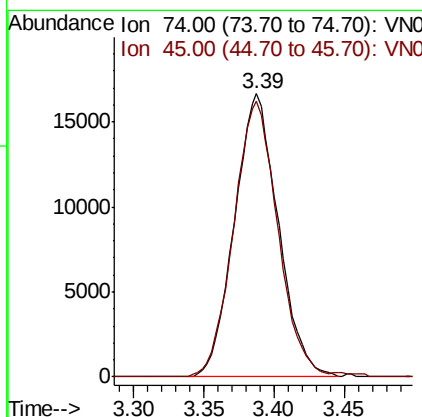
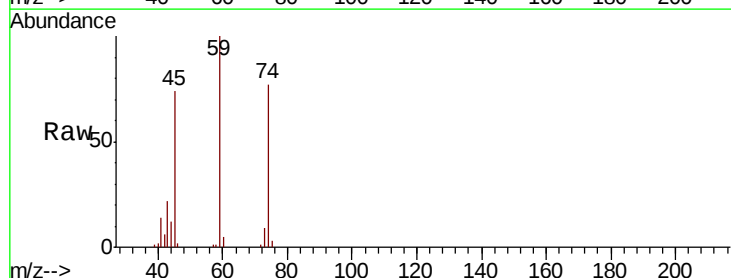
MMDadoda
 11/20/2019 1:37:13 PM

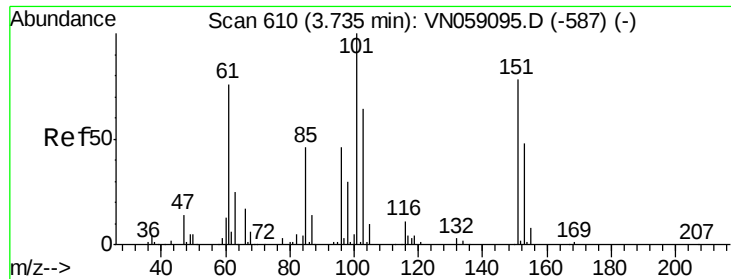


#8

Diethyl Ether
 Concen: 13.347 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059306.D
 Acq: 19 Nov 2019 14:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		36158		
45	97.8	51.6	154.9		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 13.077 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

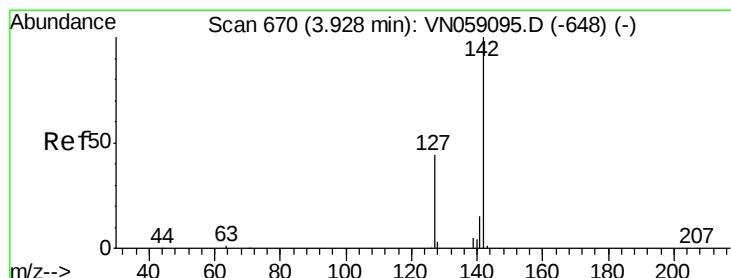
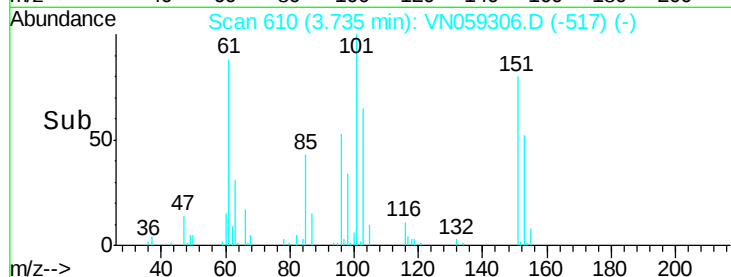
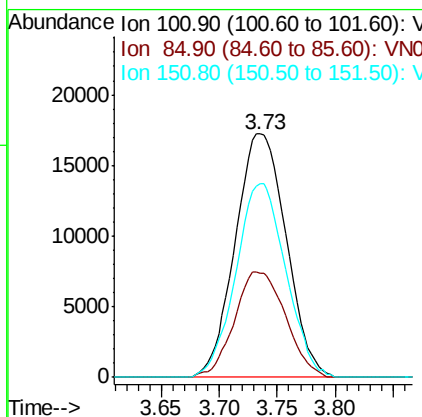
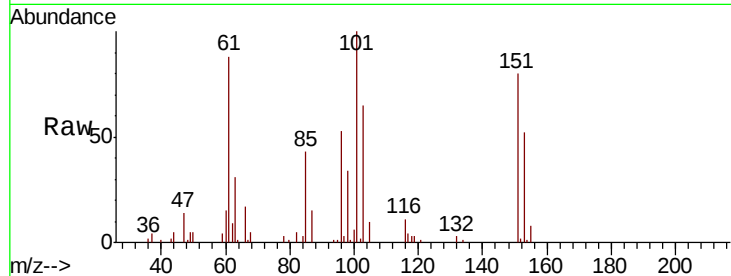
ClientSampleId :

VN1119MBS03

Tot Ion:	101	Resp:	52571
Ion Ratio	Lower	Upper	
101	100		
85	43.4	35.5	53.3
151	78.0	62.2	93.2

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11/20/2019 1:37:13 PM



#10

Methyl Iodide

Concen: 12.156 ug/l

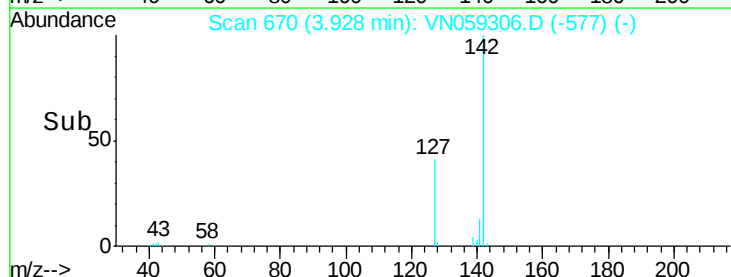
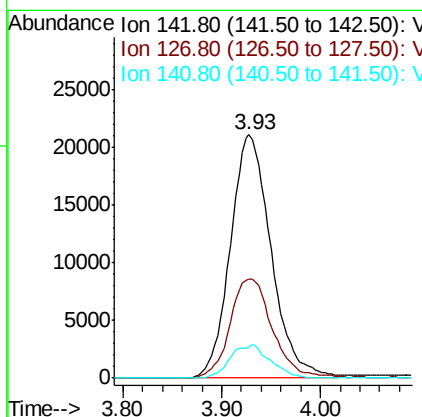
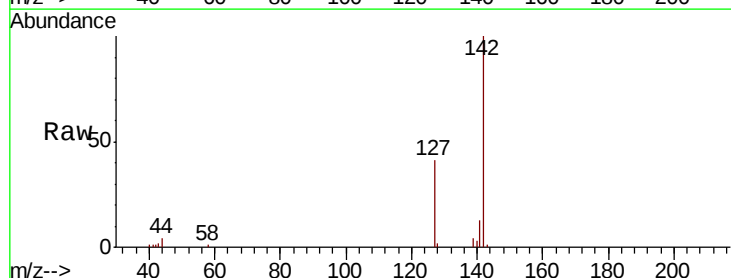
RT: 3.93 min Scan# 670

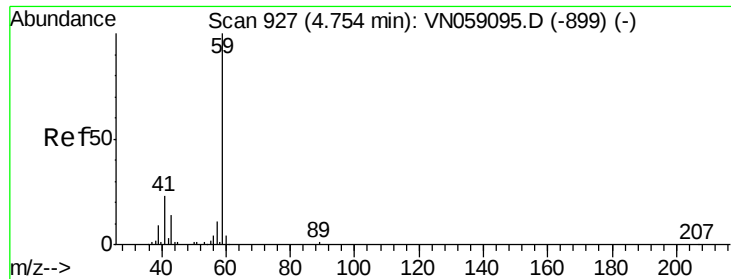
Delta R.T. -0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Tgt Ion:	142	Resp:	60488
Ion Ratio	Lower	Upper	
142	100		
127	42.5	34.2	51.2
141	13.5	11.4	17.0





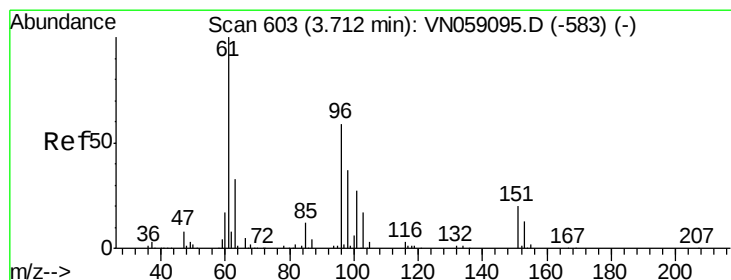
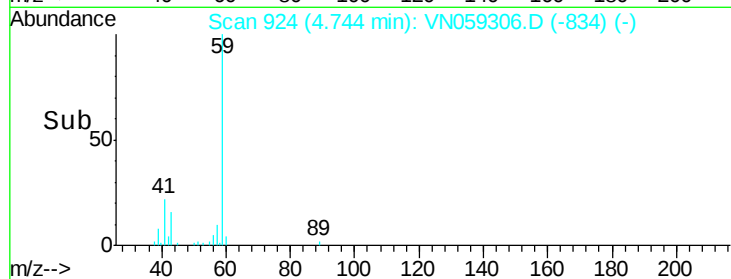
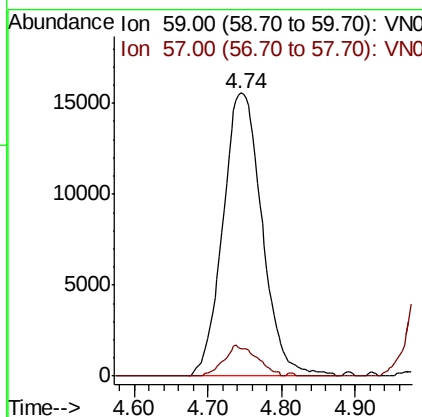
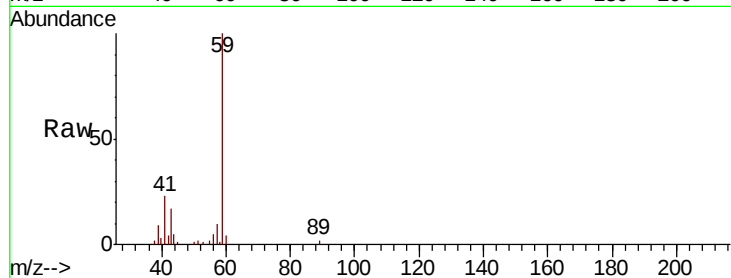
#11
Tert butyl alcohol
Concen: 58.523 ug/l
RT: 4.74 min Scan# 924
Delta R.T. -0.01 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS03

Tot Ion	Ratio	Resp	Lower	Upper
59	100	57555		
57	9.3		8.3	12.5

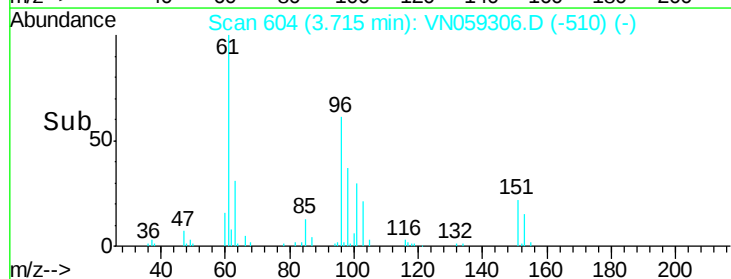
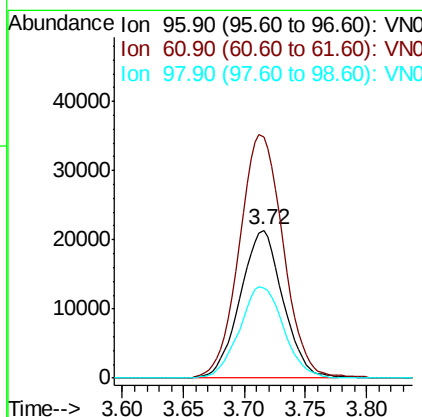
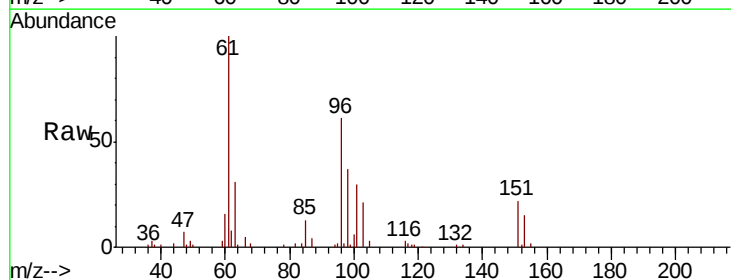
Manual Integrations
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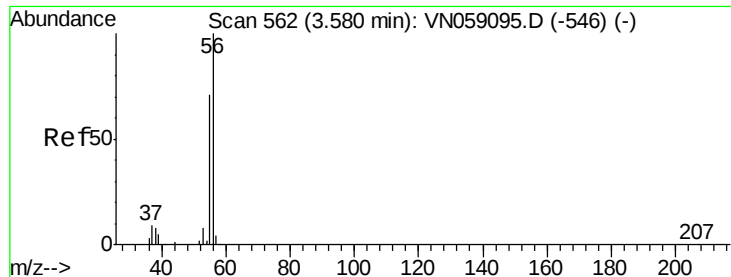
MMDadoda
11/20/2019 1:37:13 PM



#12
1,1-Dichloroethene
Concen: 13.240 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	51849		
61	163.3		136.5	204.7
98	61.0		50.2	75.4





#13

Acrolein

Concen: 26.254 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS03

Tot Ion: 56 Resp: 13312

Ion Ratio Lower Upper

56 100

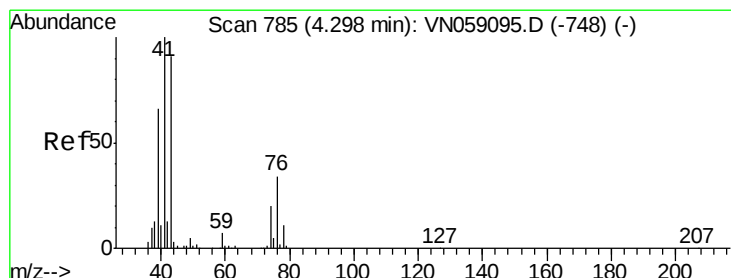
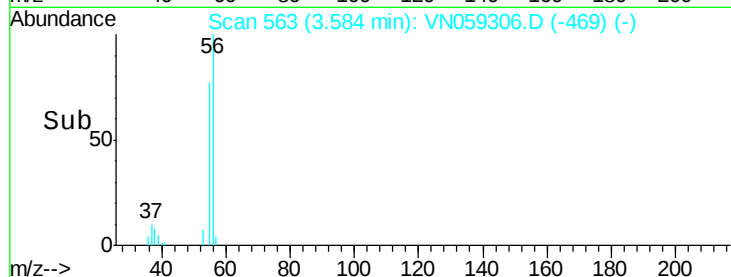
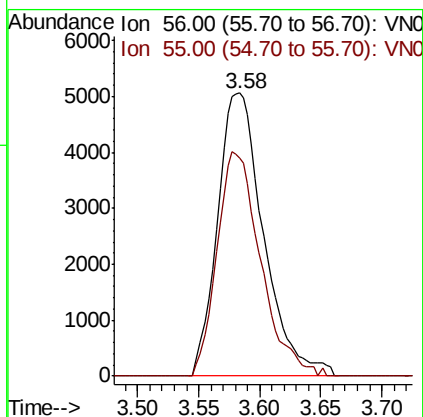
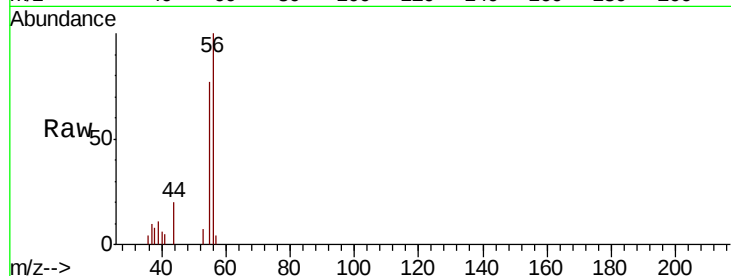
55 75.3 56.4 84.6

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11/20/2019 1:37:13 PM



#14

Allyl chloride

Concen: 12.189 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

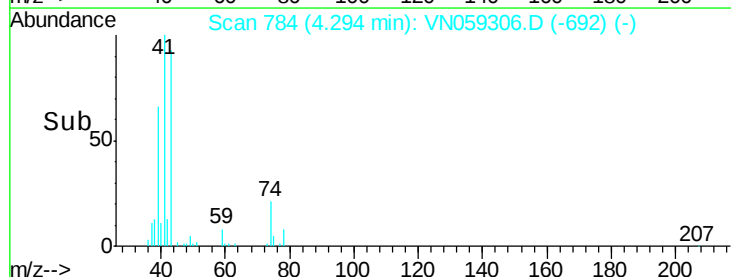
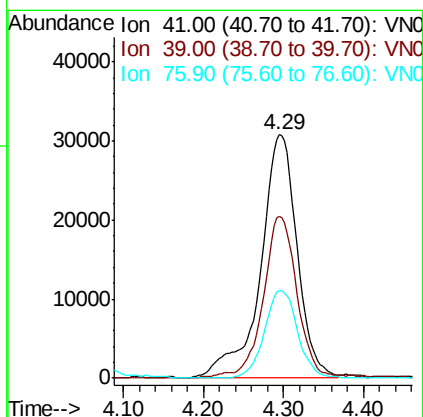
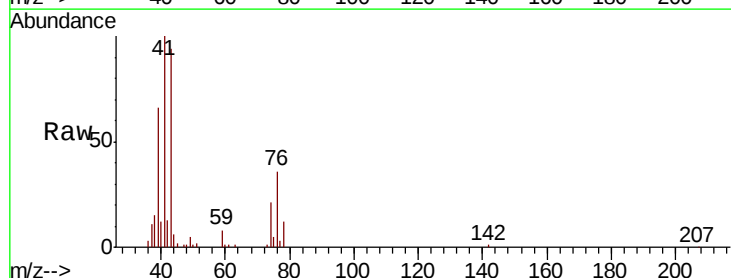
Tgt Ion: 41 Resp: 98046

Ion Ratio Lower Upper

41 100

39 61.4 49.1 73.7

76 32.5 24.9 37.3





#15

Acrylonitrile

Concen: 61.307 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

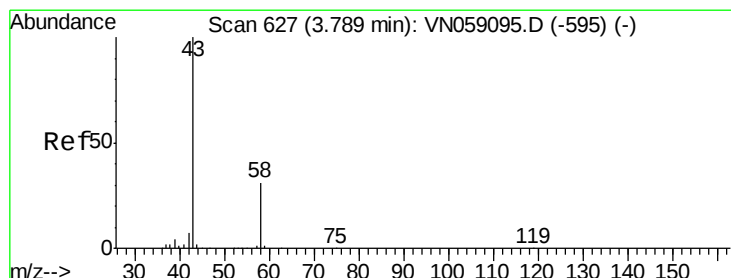
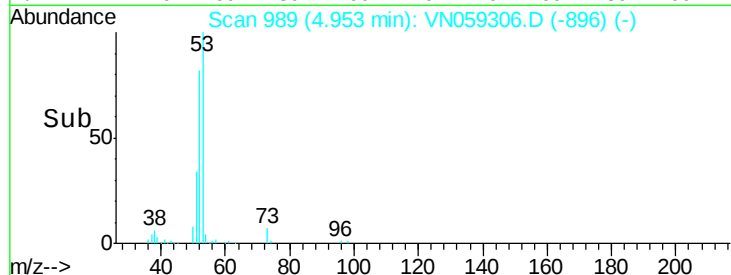
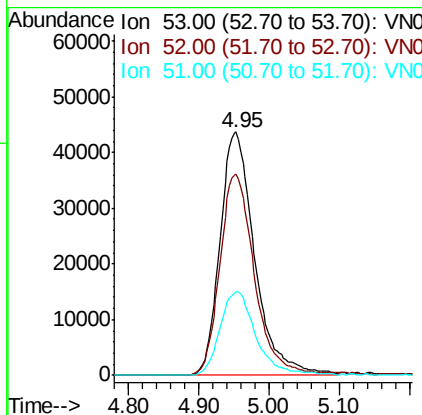
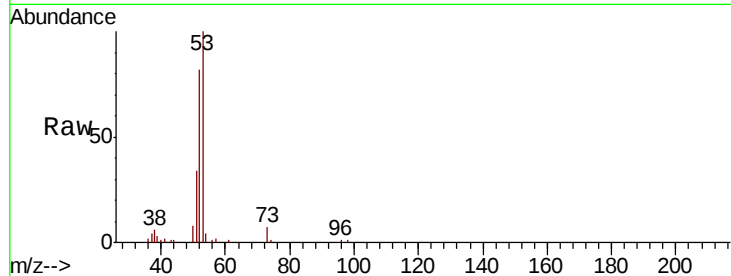
ClientSampleId :

VN1119MBS03

Tot Ion:	53	Resp:	150049
Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.0	97.6
51	35.2	28.0	42.0

Manual Integrations
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11/20/2019 1:37:13 PM



#16

Acetone

Concen: 57.684 ug/l

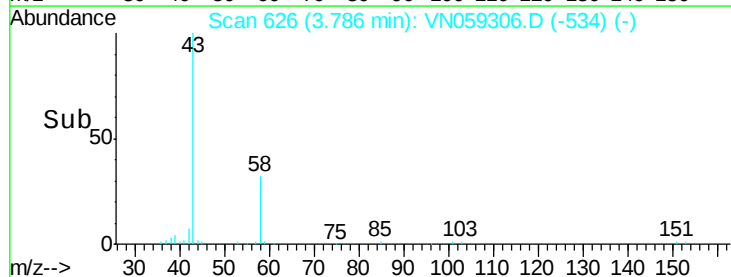
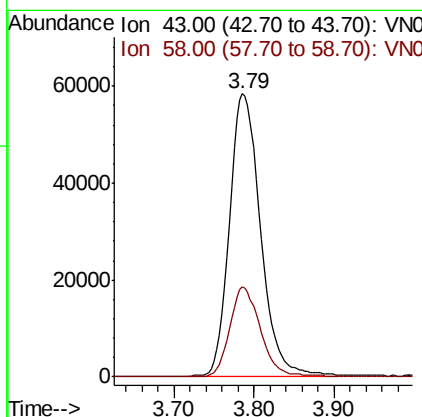
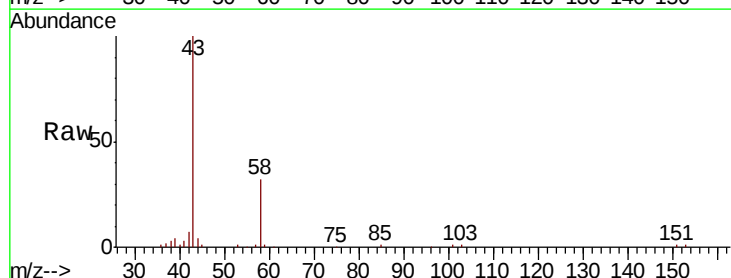
RT: 3.79 min Scan# 626

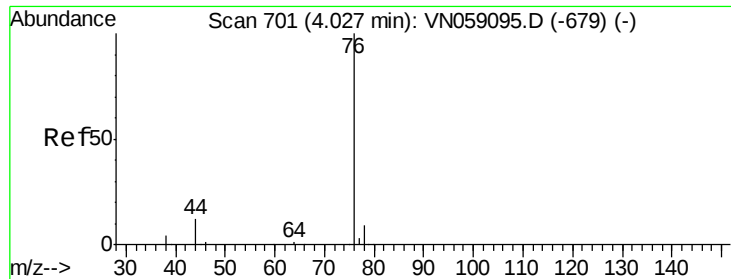
Delta R.T. -0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Tgt Ion:	43	Resp:	154796
Ion	Ratio	Lower	Upper
43	100		
58	31.8	24.9	37.3





#17

Carbon Disulfide

Concen: 13.734 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS03

Tot Ion: 76 Resp: 166960

Ion Ratio Lower Upper

76 100

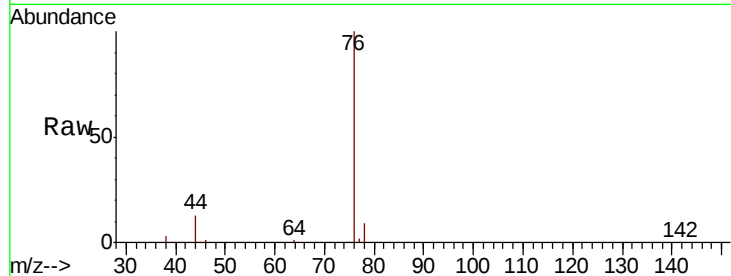
78 9.0 7.4 11.0

Manual Integrations

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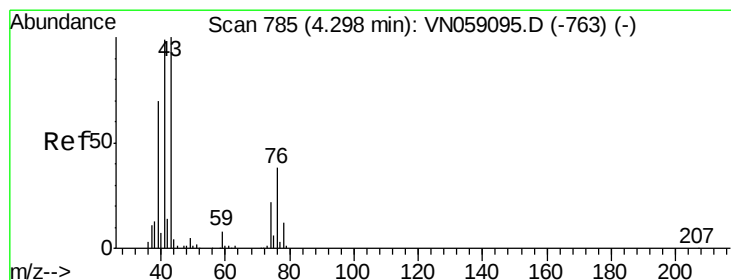
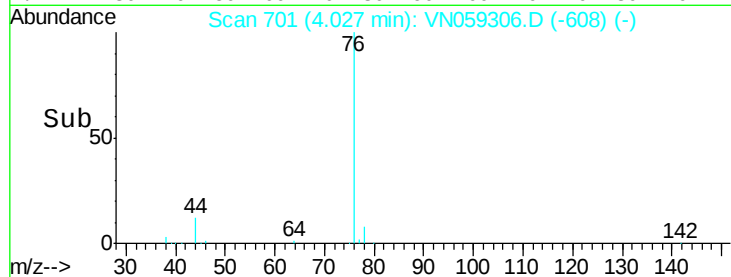
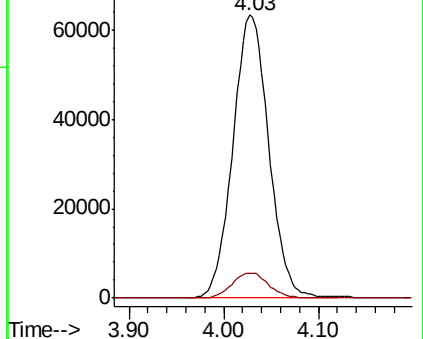
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11/20/2019 1:37:13 PM



Abundance Ion 75.90 (75.60 to 76.60): VN059095.D (-679) (-)

Ion 77.90 (77.60 to 78.60): VN059095.D (-679) (-)



#18

Methyl Acetate

Concen: 13.720 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059306.D

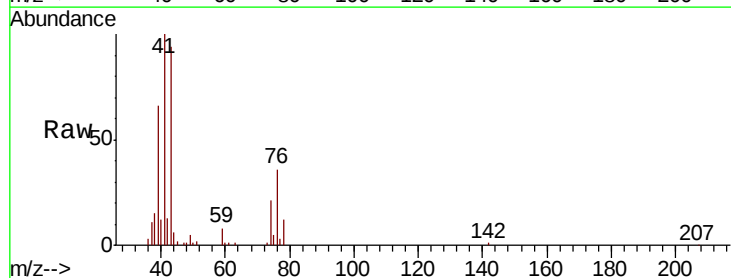
Acq: 19 Nov 2019 14:55

Tgt Ion: 43 Resp: 87388

Ion Ratio Lower Upper

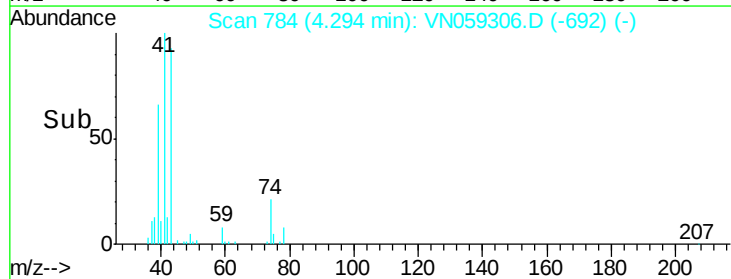
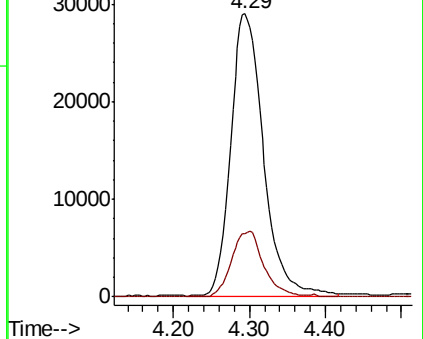
43 100

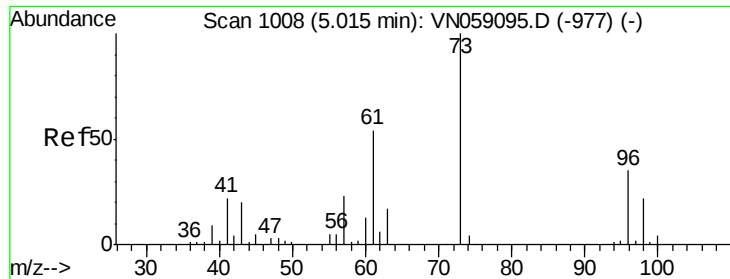
74 22.5 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VN059095.D (-763) (-)

Ion 74.00 (73.70 to 74.70): VN059095.D (-763) (-)





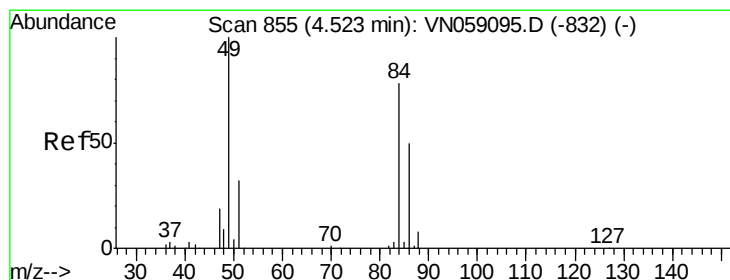
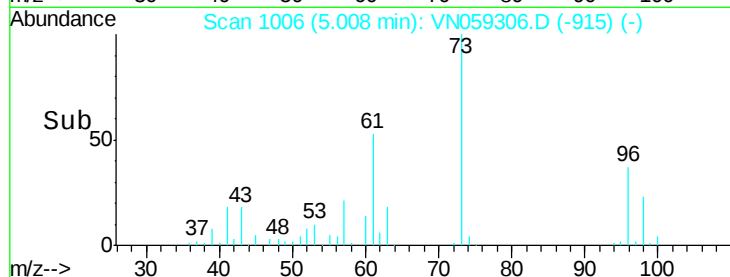
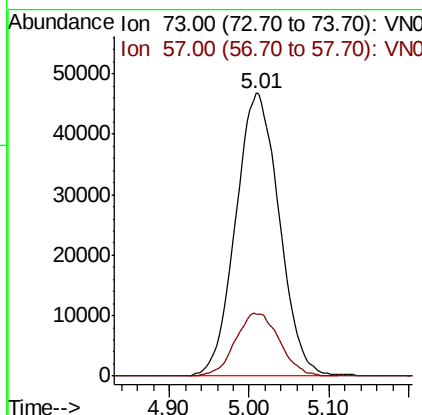
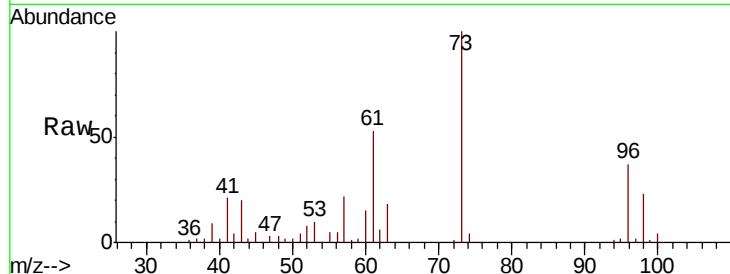
#19
Methvl tert-butvl Ether
Concen: 12.881 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS03

Tot Ion: 73 Resp: 173664
Ion Ratio Lower Upper
73 100
57 22.1 18.4 27.6

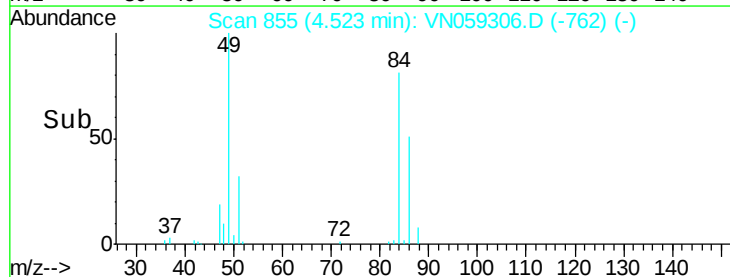
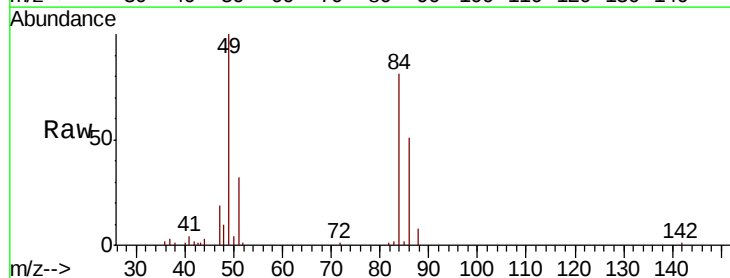
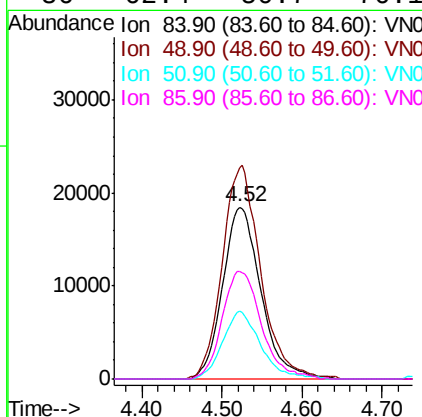
Manual Integrations
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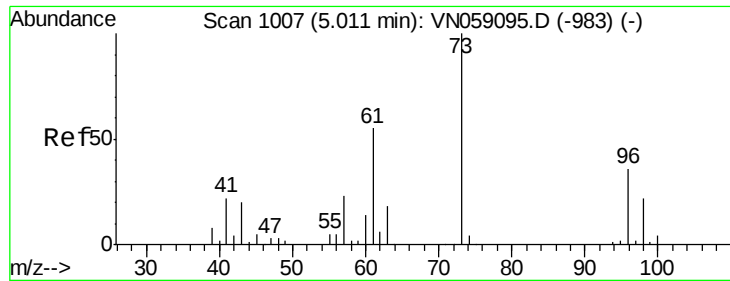
MMDadoda
11/20/2019 1:37:13 PM



#20
Methylene Chloride
Concen: 12.902 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Tgt Ion: 84 Resp: 60318
Ion Ratio Lower Upper
84 100
49 122.4 102.0 153.0
51 39.8 32.2 48.2
86 62.4 50.7 76.1





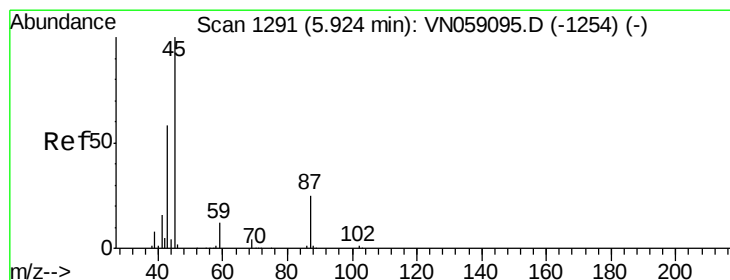
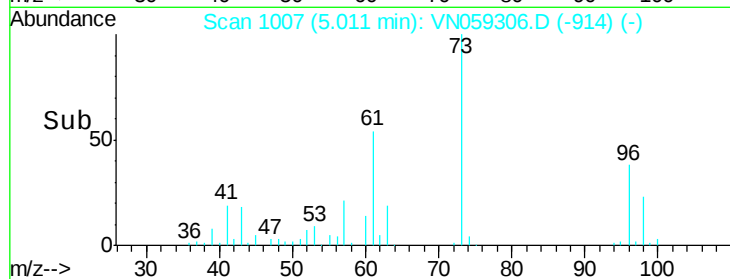
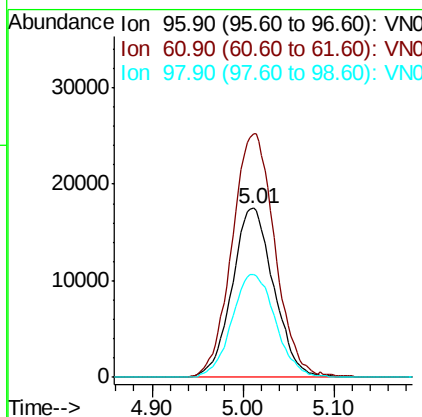
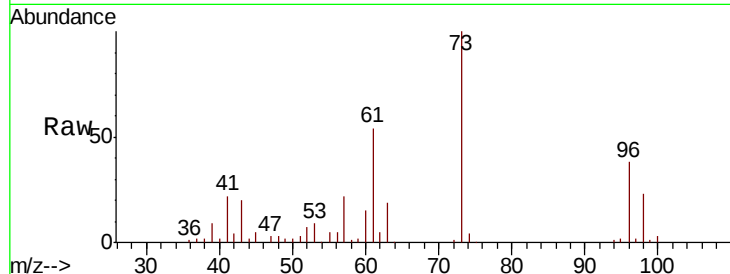
#21
trans-1,2-Dichloroethene
Concen: 13.252 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS03

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.8	122.6	183.8
98	60.7	50.3	75.5

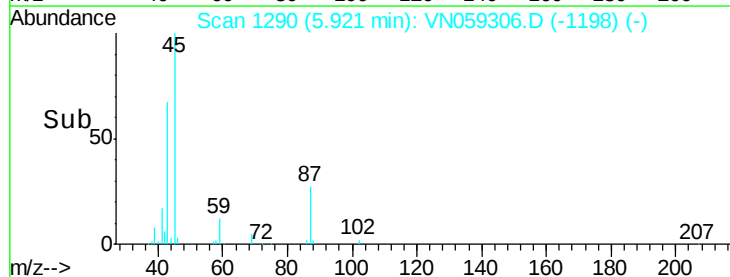
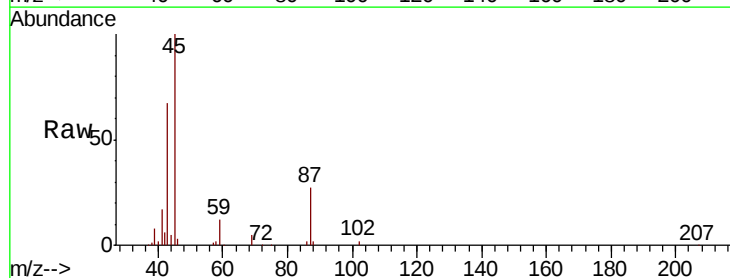
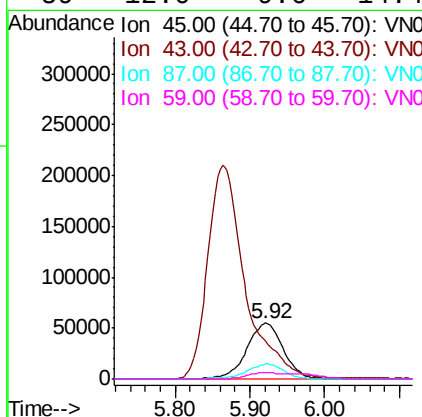
Manual Integrations
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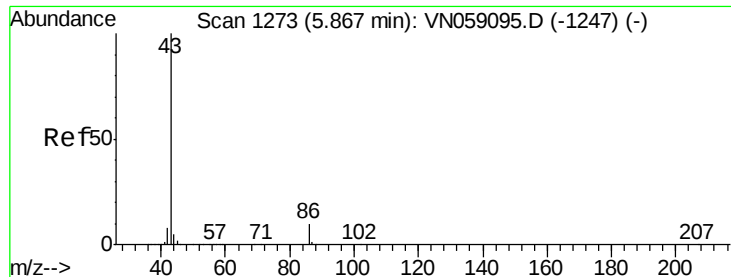
MMDadoda
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#22
Diisopropyl ether
Concen: 12.304 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.3	46.7	70.1
87	26.7	20.5	30.7
59	12.0	9.6	14.4





#23

Vinyl Acetate

Concen: 62.013 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS03

Tot Ion: 43 Resp: 730241

Ion Ratio Lower Upper

43 100

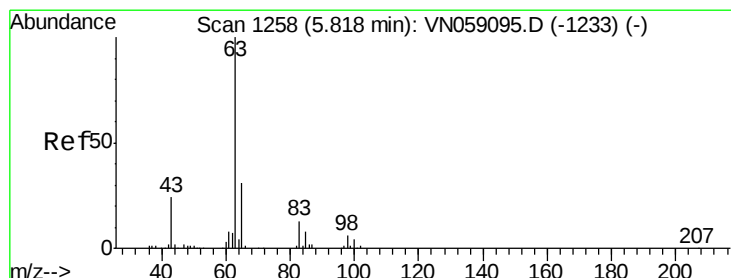
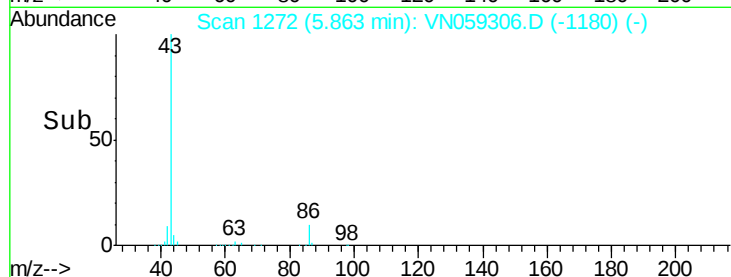
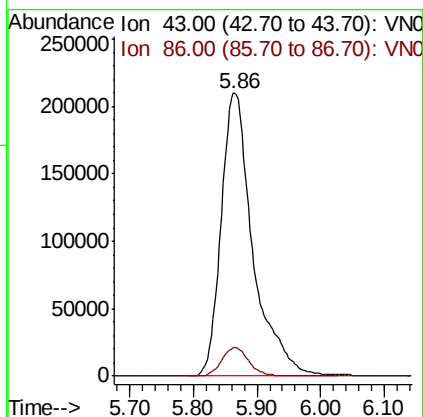
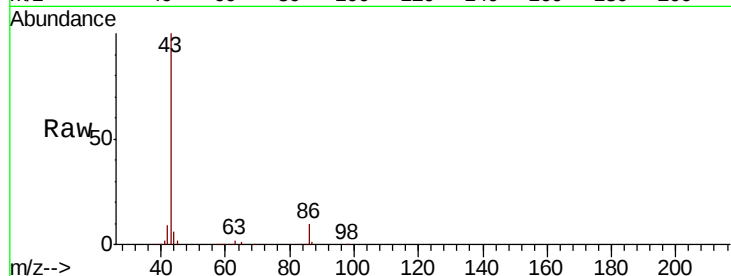
86 10.1 7.7 11.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 12.727 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

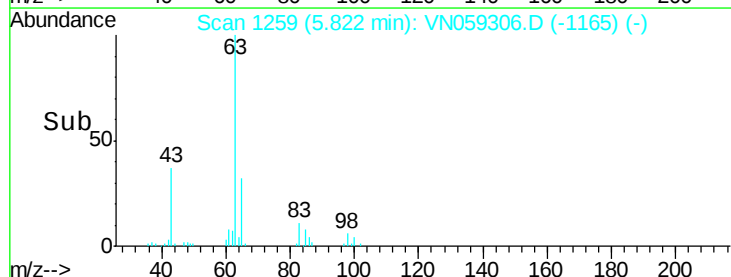
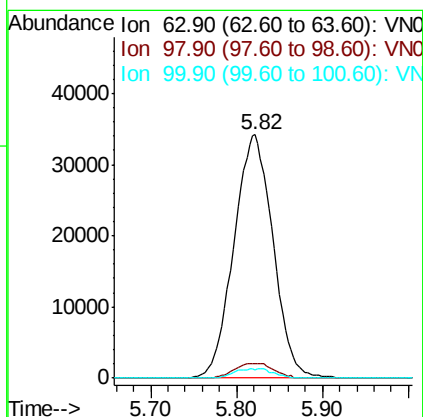
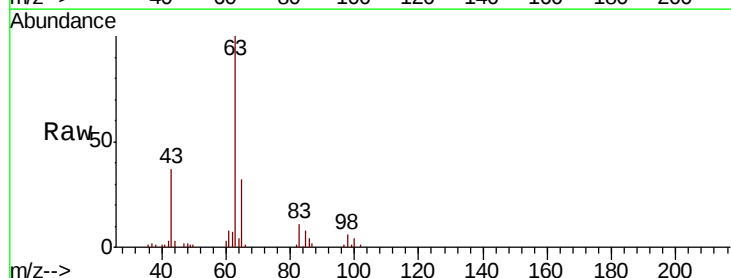
Tgt Ion: 63 Resp: 108007

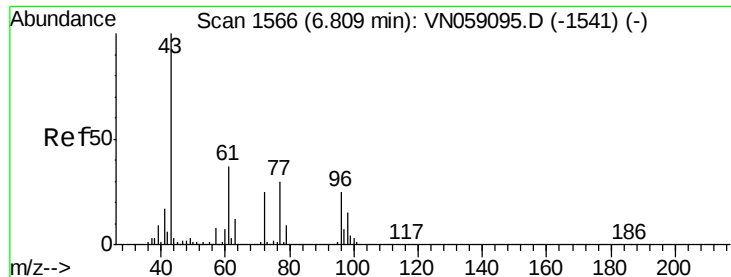
Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.4

100 3.6 1.9 5.7





#25

2-Butanone

Concen: 57.172 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS03

Tot Ion: 43 Resp: 202201

Ion Ratio Lower Upper

43 100

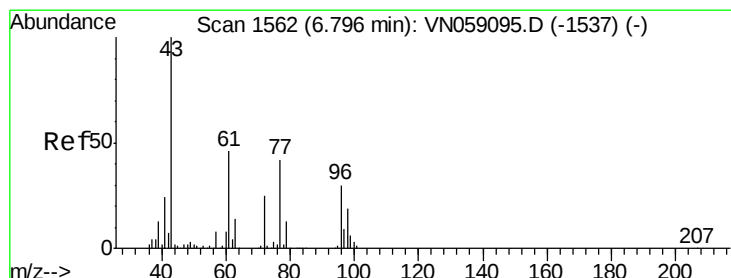
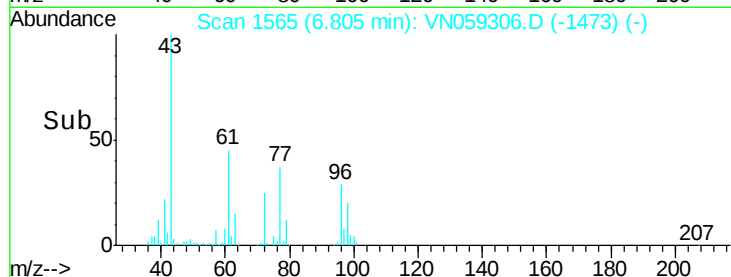
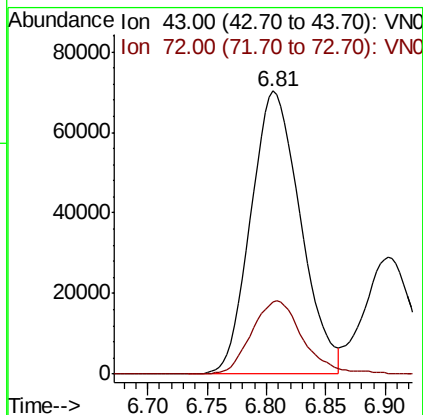
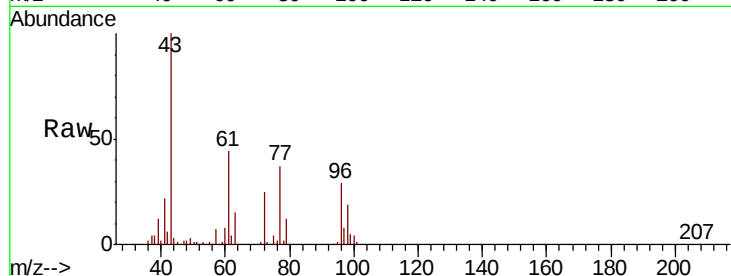
72 25.4 20.3 30.5

Manual Integrations

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11/20/2019 1:37:13 PM



#26

2,2-Dichloropropane

Concen: 12.294 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059306.D

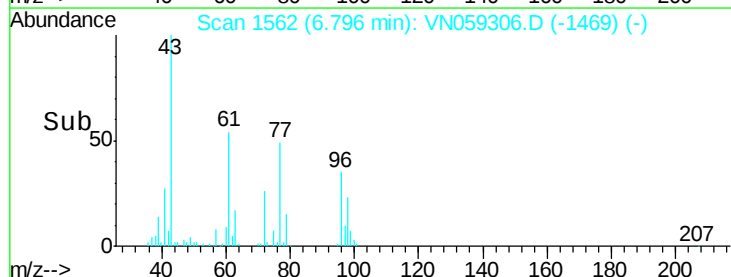
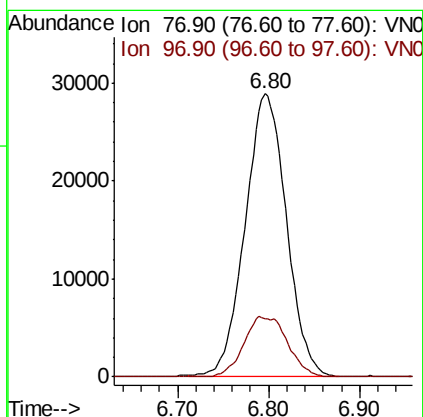
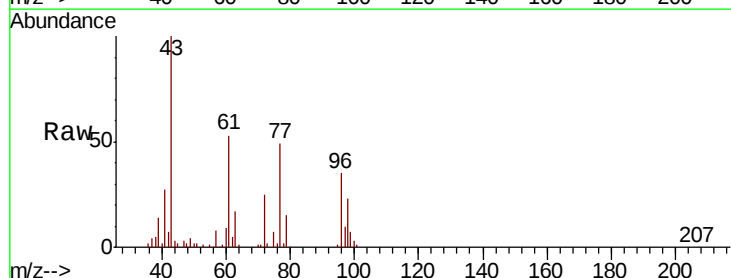
Acq: 19 Nov 2019 14:55

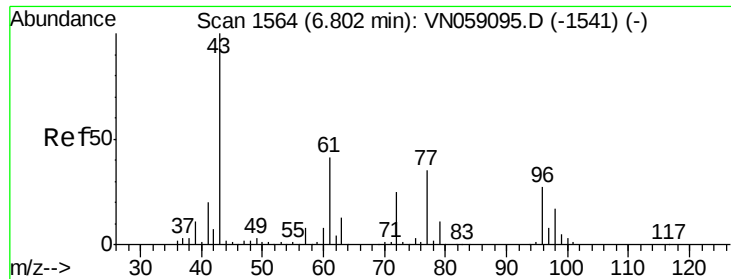
Tgt Ion: 77 Resp: 91231

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 12.940 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

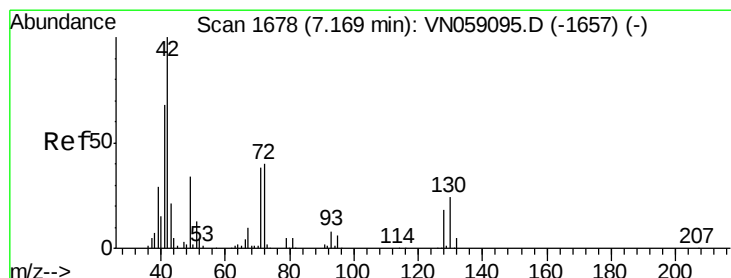
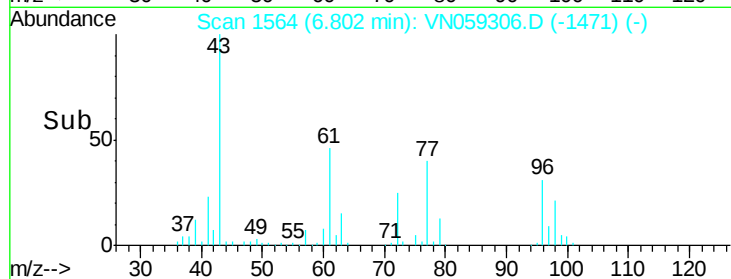
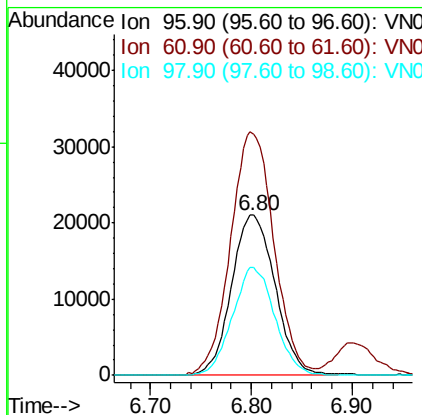
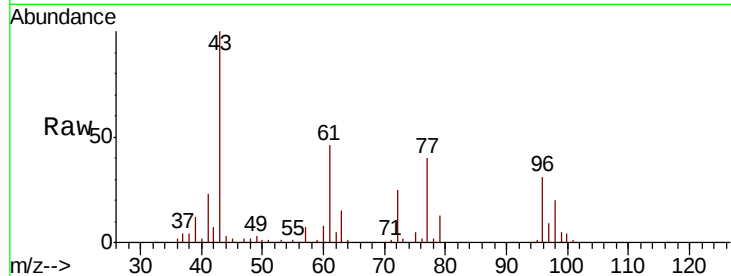
ClientSampleId :

VN1119MBS03

Tot Ion:	96	Resp:	63103
Ion	Ratio	Lower	Upper
96	100		
61	151.8	0.0	311.6
98	65.4	0.0	129.8

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#28

Bromochloromethane

Concen: 14.978 ug/l

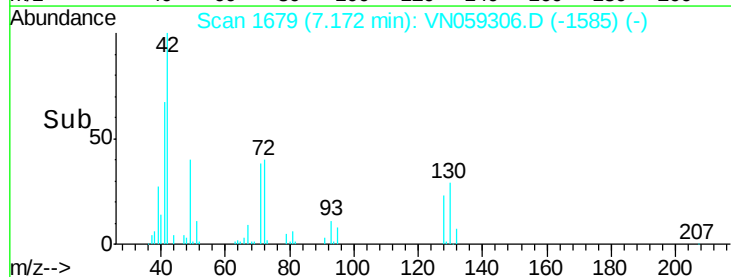
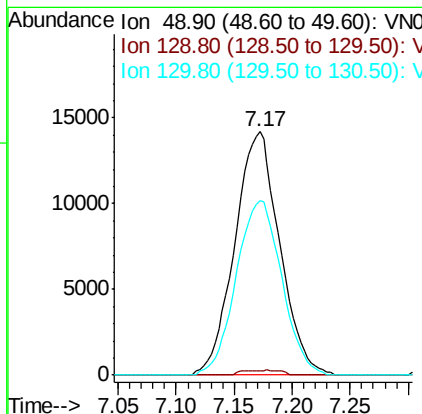
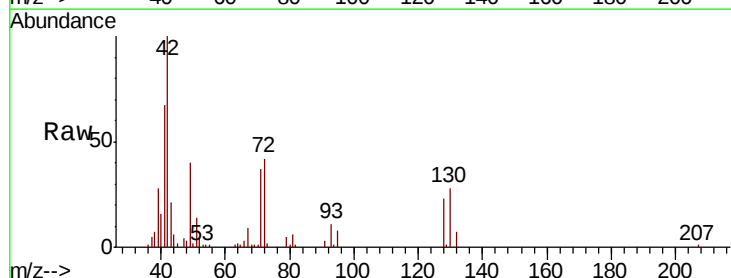
RT: 7.17 min Scan# 1679

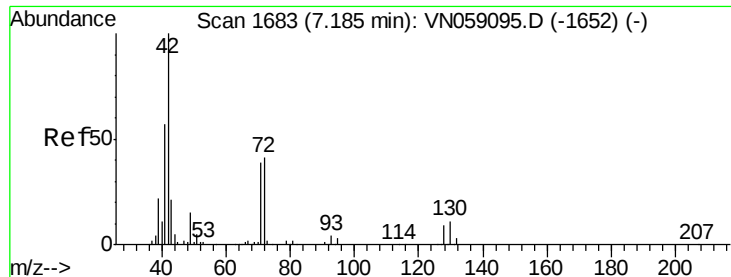
Delta R.T. 0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Tgt Ion:	49	Resp:	38242
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.8
130	72.4	55.6	83.4





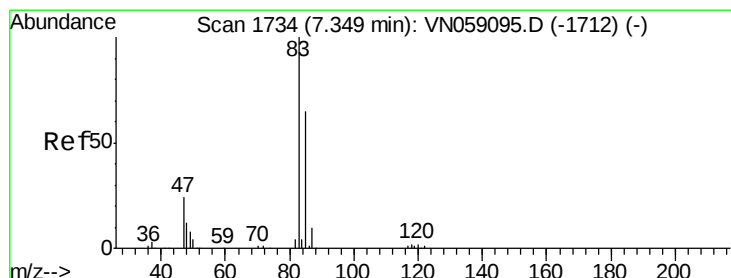
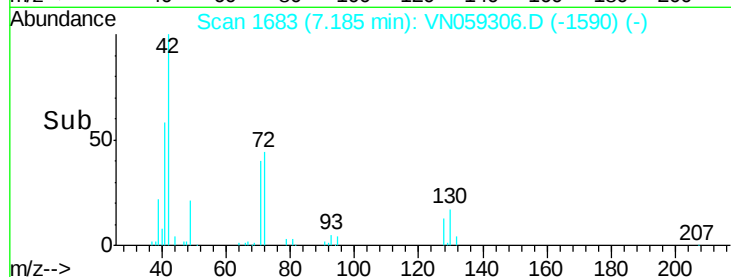
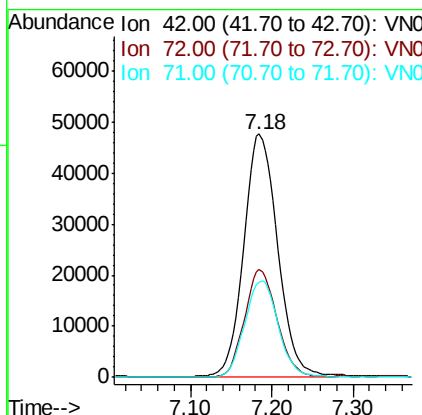
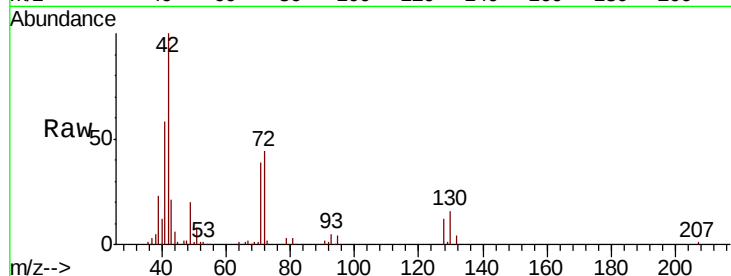
#29
Tetrahydrofuran
Concen: 61.065 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS03

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.1	49.7
71	39.2	30.9	46.3

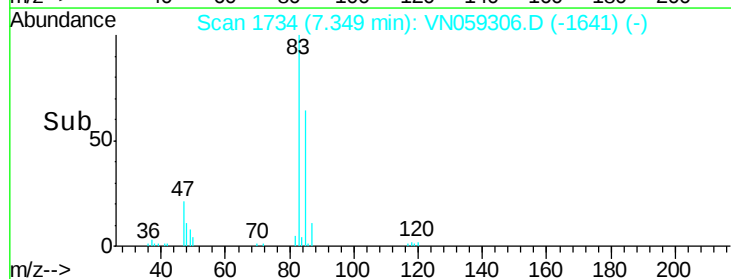
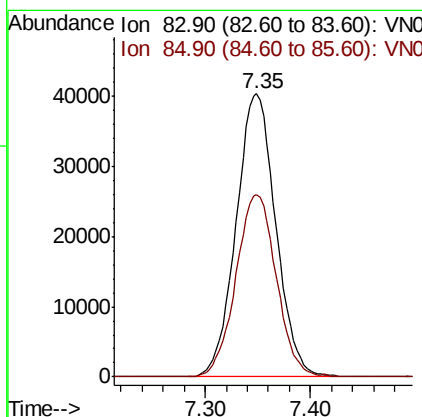
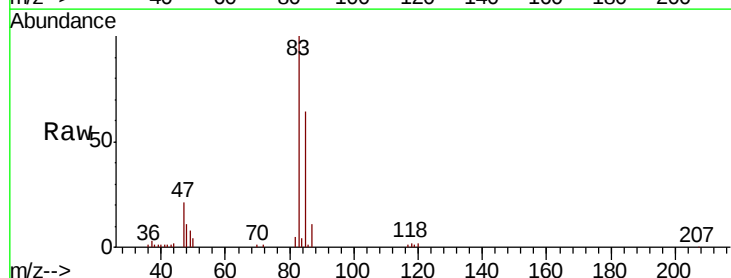
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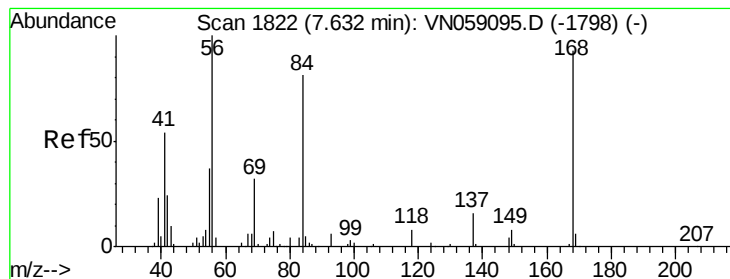
MMDadoda
11/20/2019 1:37:13 PM



#30
Chloroform
Concen: 12.941 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.8	77.8





#31

Cyclohexane

Concen: 12.938 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS03

Tot Ion: 56 Resp: 103938

Ion Ratio Lower Upper

56 100

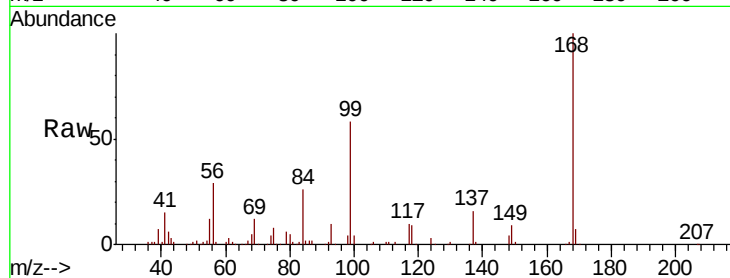
69 42.6 25.8 38.8#

84 88.3 65.0 97.4

Manual Integrations
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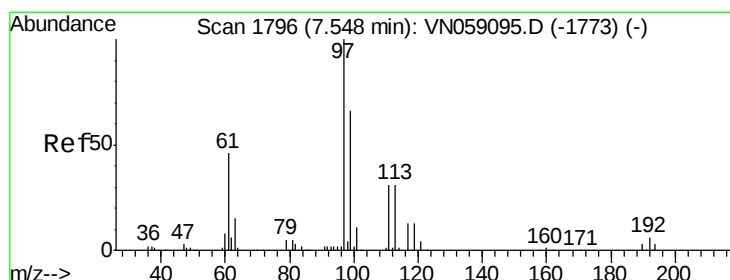
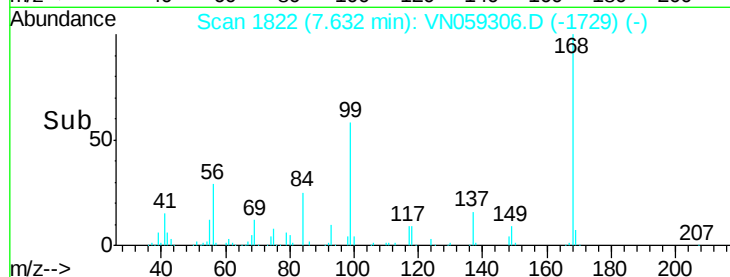
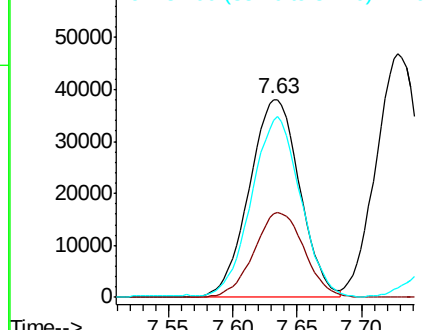
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Abundance Ion 56.00 (55.70 to 56.70): VN059306.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN059306.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN059306.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 12.922 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

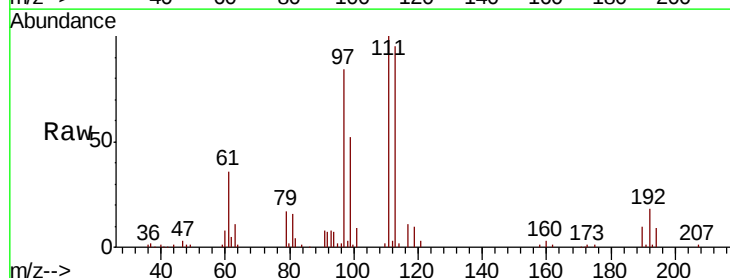
Tgt Ion: 97 Resp: 88439

Ion Ratio Lower Upper

97 100

99 62.5 51.0 76.6

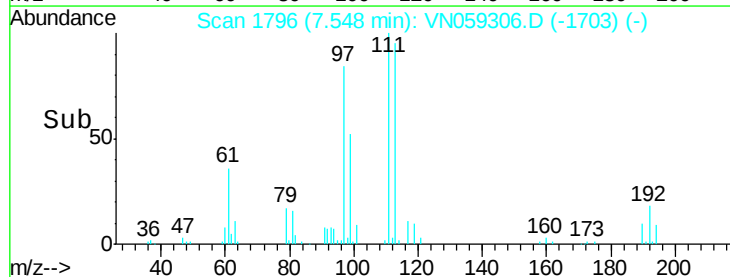
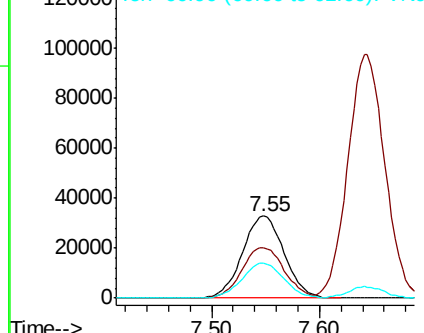
61 42.7 35.8 53.8



Abundance Ion 96.90 (96.60 to 97.60): VN059306.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN059306.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN059306.D (-1703) (-)





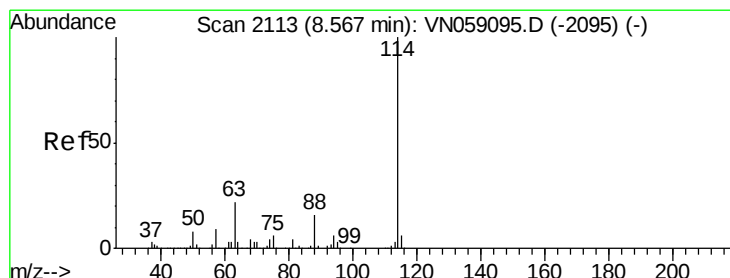
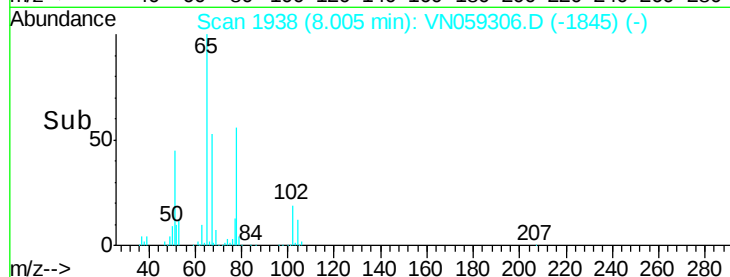
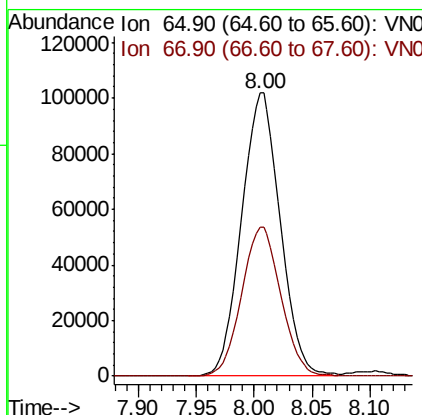
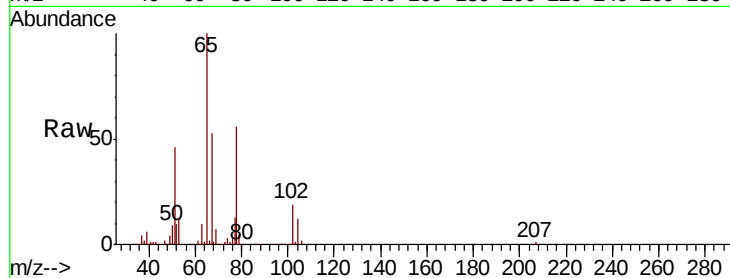
#33
 1,2-Dichloroethane-d4
 Concen: 45.904 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059306.D
 Acq: 19 Nov 2019 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119MBS03

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.3	0.0	107.4	

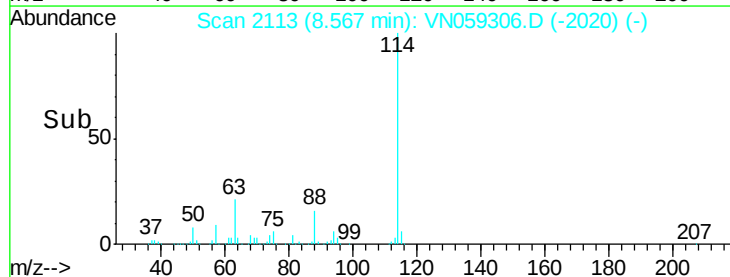
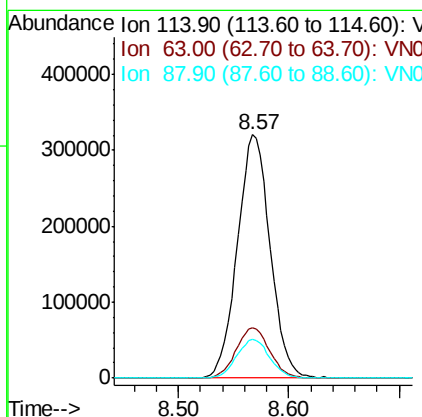
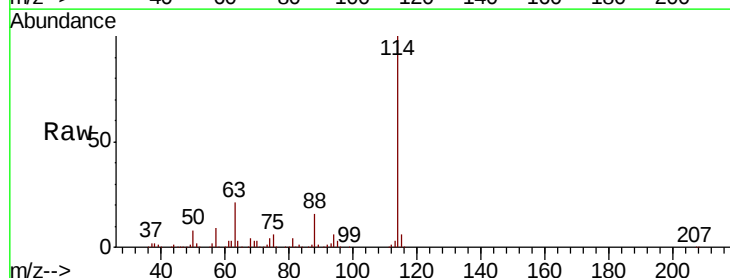
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059306.D
 Acq: 19 Nov 2019 14:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.7	0.0	43.4	
88	15.8	0.0	32.2	





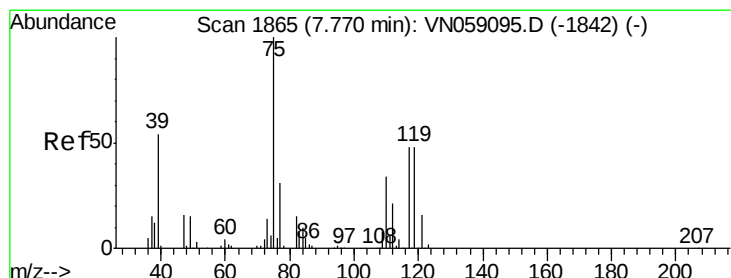
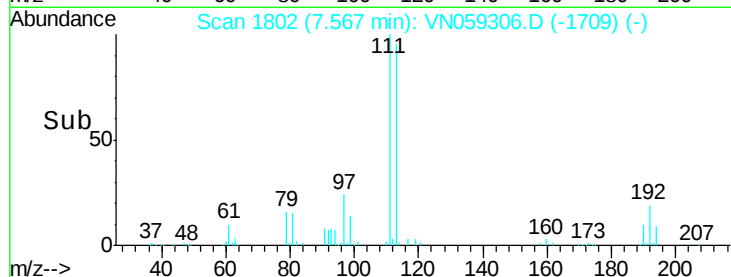
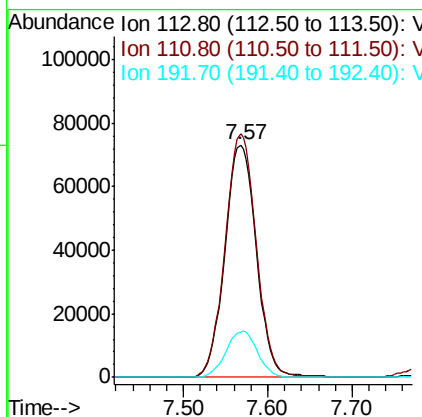
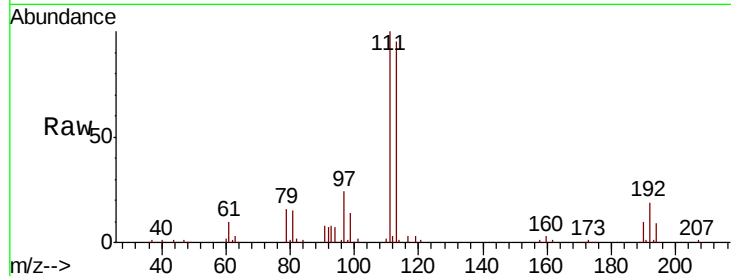
#35
 Dibromofluoromethane
 Concen: 48.318 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059306.D
 Acq: 19 Nov 2019 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119MBS03

Tot Ion	Ratio	Resp	Lower	Upper
113	100	190270		
111	103.2	82.8	124.2	
192	19.9	16.1	24.1	

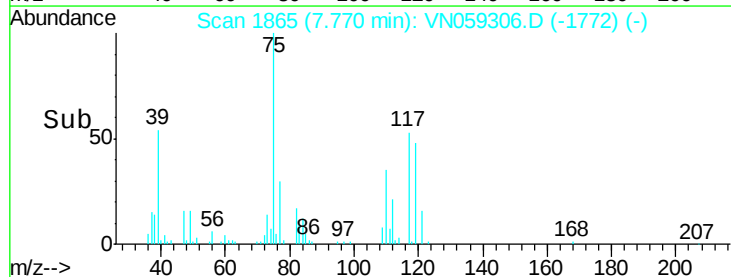
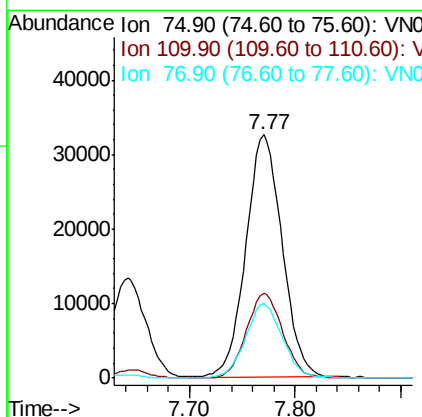
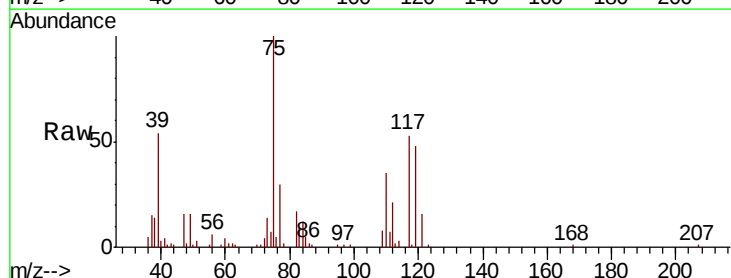
Manual Integrations
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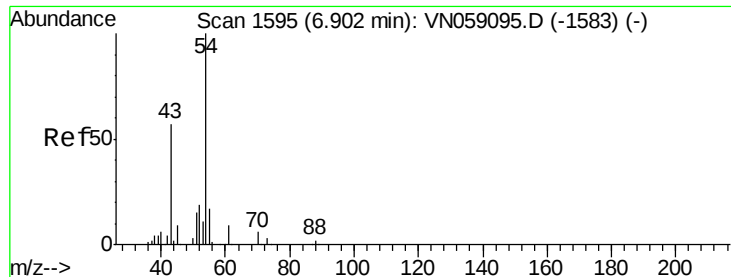
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#36
 1,1-Dichloropropene
 Concen: 12.681 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059306.D
 Acq: 19 Nov 2019 14:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	78174		
110	34.8	17.1	51.2	
77	30.9	24.8	37.2	





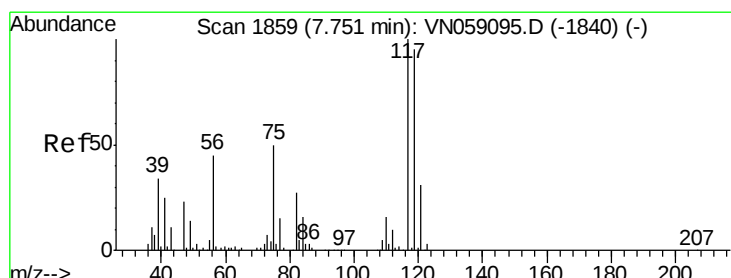
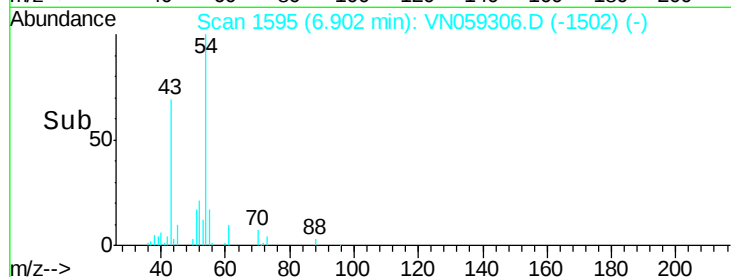
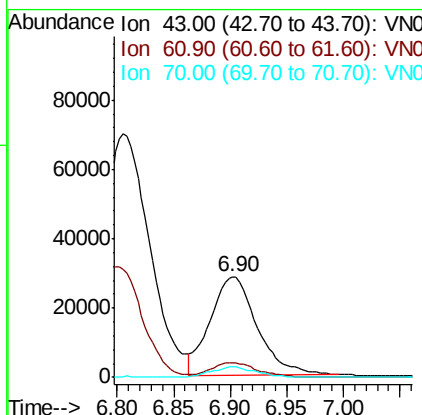
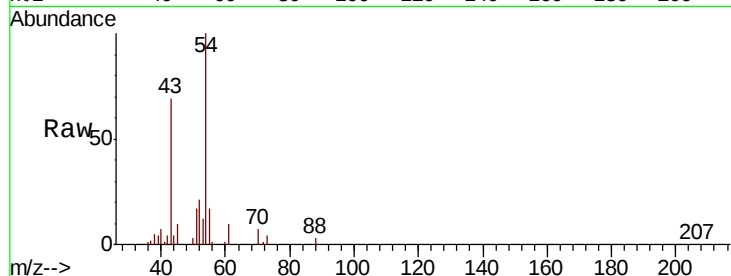
#37
Ethyl Acetate
Concen: 12.004 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS03

Tot Ion	43	61	70
Resp	82318		
Ratio	100	14.8	10.1
Lower		11.2	7.8
Upper		16.8	11.8

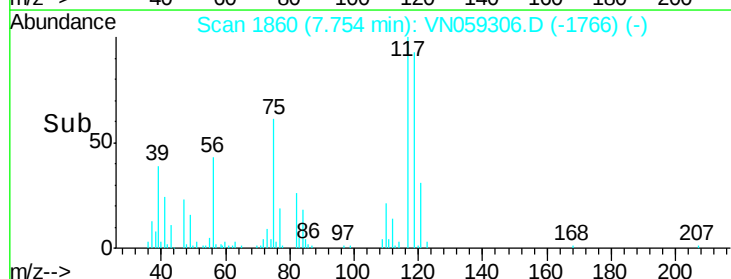
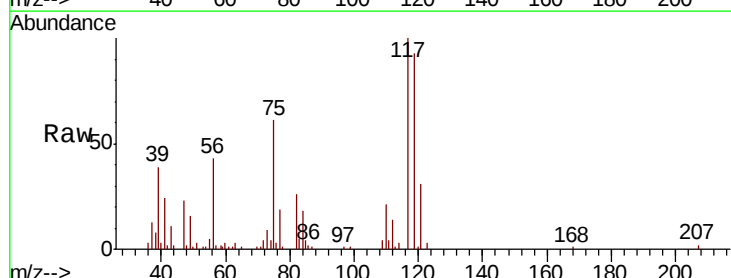
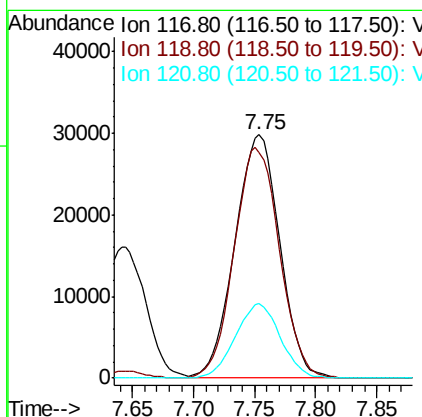
Manual Integrations
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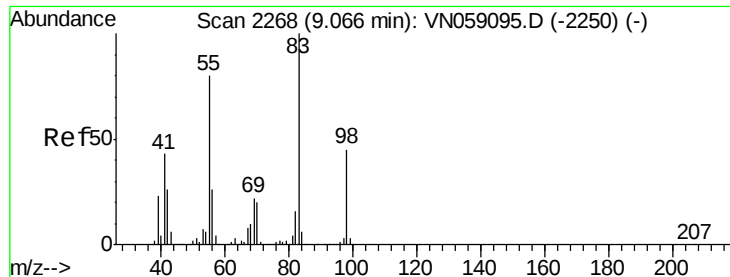
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#38
Carbon Tetrachloride
Concen: 12.402 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Tgt Ion	117	119	121
Resp	76095		
Ratio	100	92.9	30.6
Lower		75.6	24.6
Upper		113.4	36.8





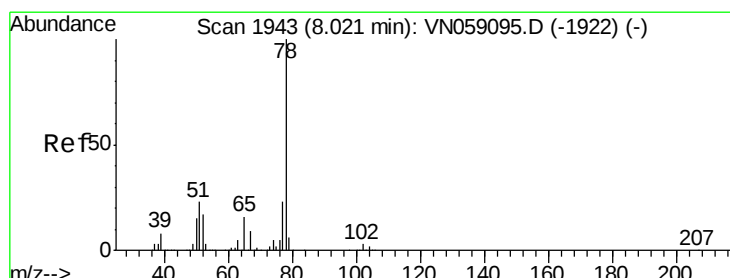
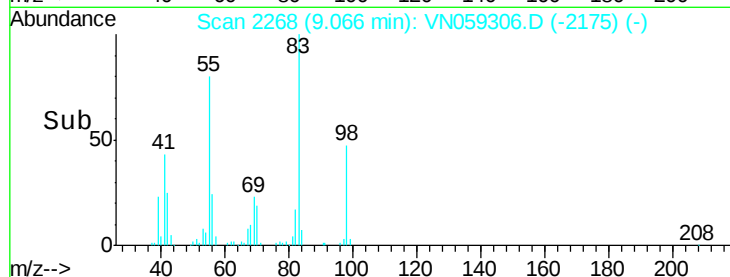
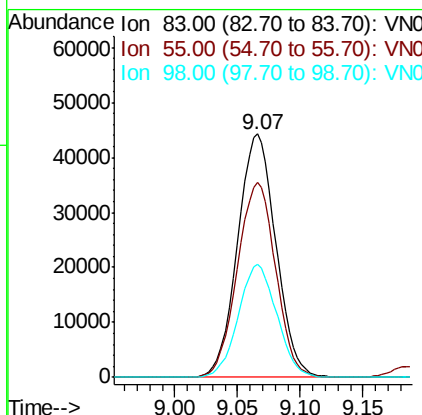
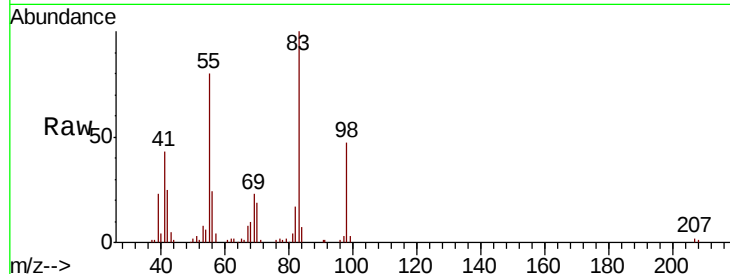
#39
Methvlcvclohexane
Concen: 13.158 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS03

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.2	63.9	95.9
98	46.6	35.6	53.4

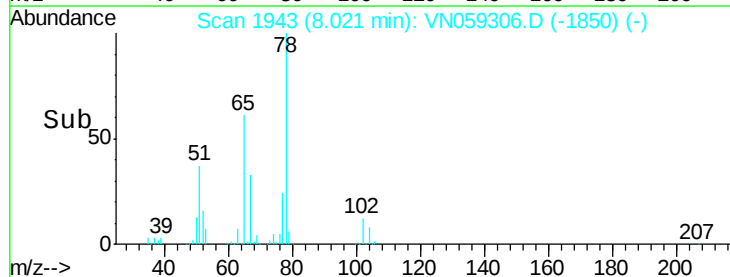
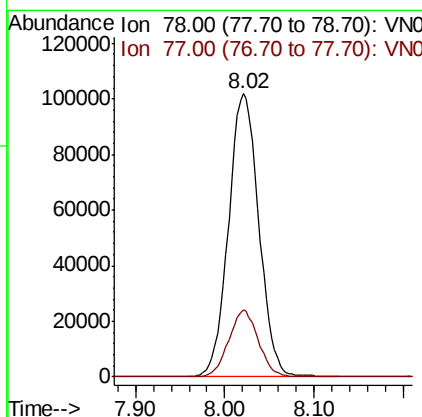
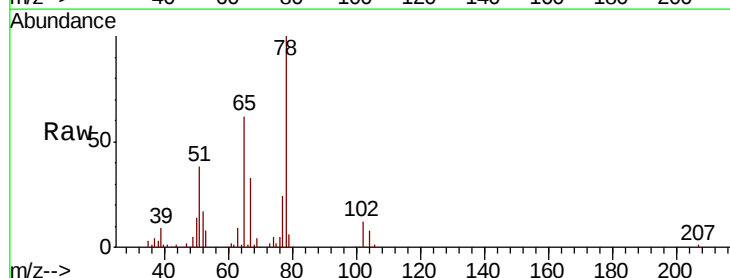
Manual Integrations
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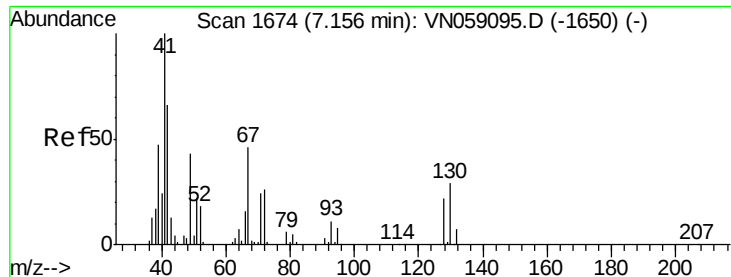
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#40
Benzene
Concen: 12.932 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2





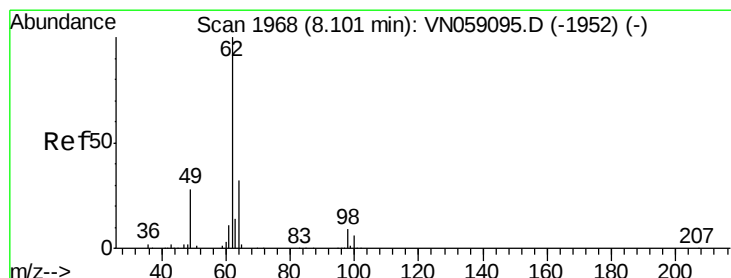
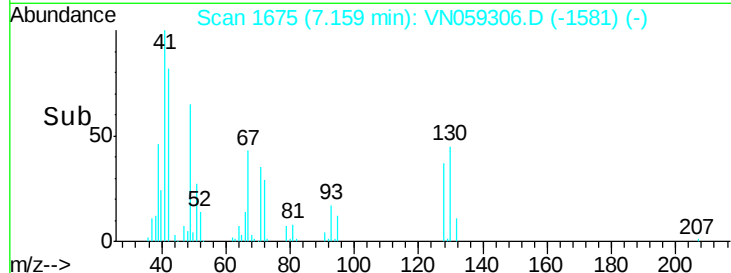
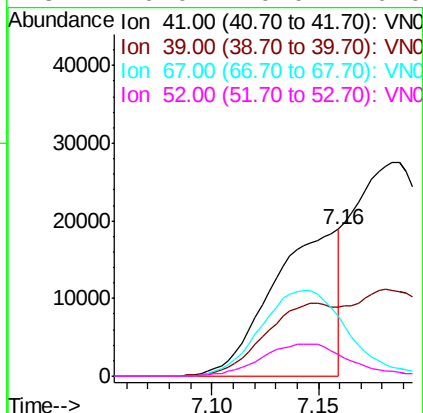
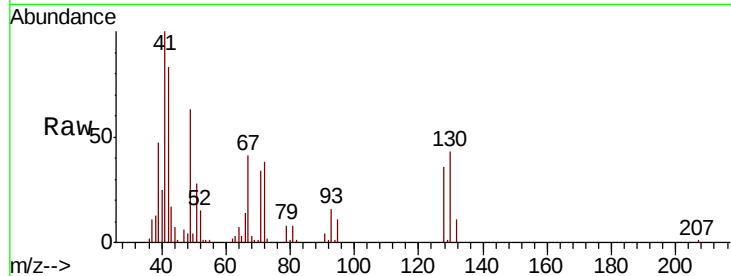
#41
Methacrylonitrile
Concen: 13.664 ug/l m
RT: 7.16 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS03

Tot Ion	41	Resp	40747
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

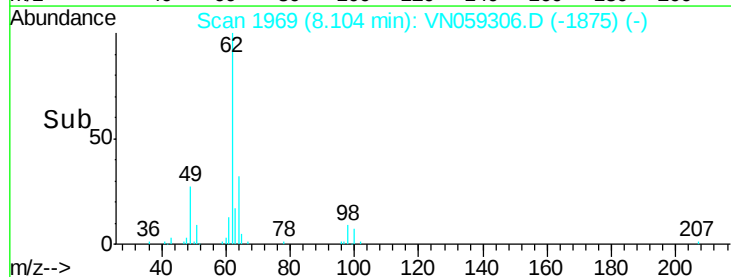
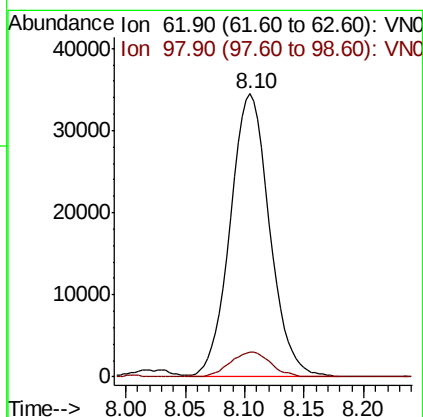
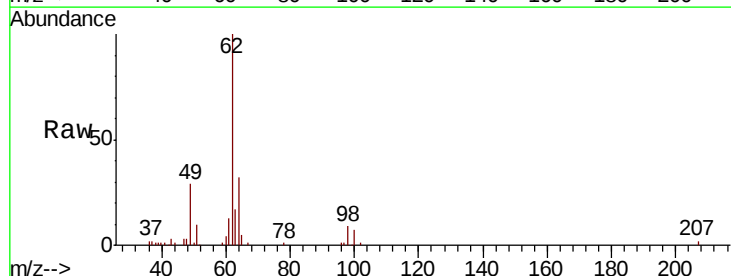
Manual Integrations
APPROVED

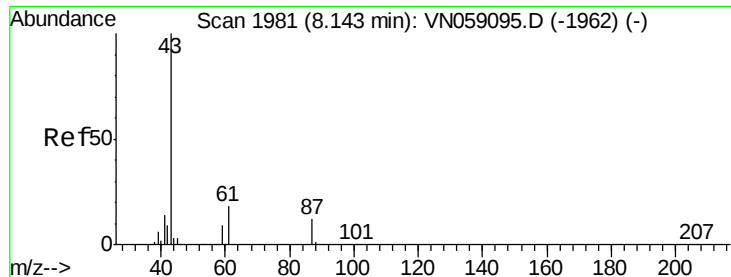
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#42
1,2-Dichloroethane
Concen: 12.434 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Tgt Ion	62	Resp	79165
Ion Ratio	Lower	Upper	
62	100		
98	8.9	0.0	17.8





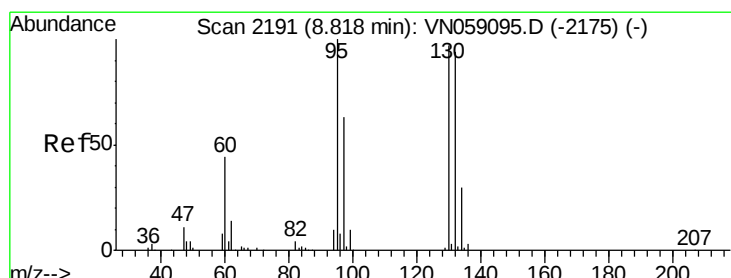
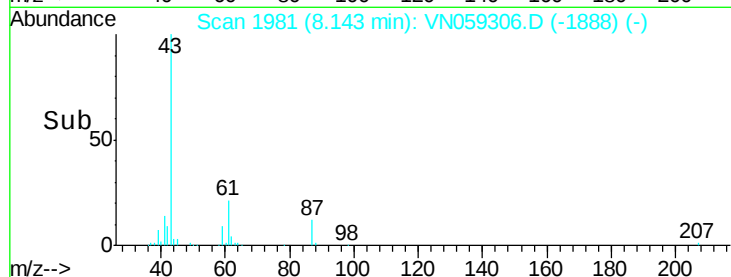
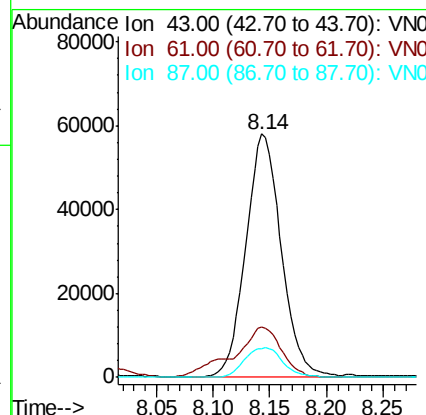
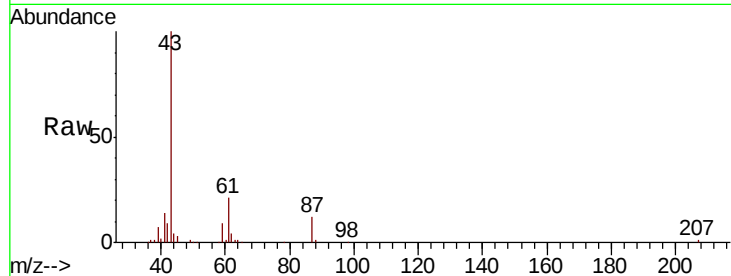
#43
Isopropyl Acetate
Concen: 11.624 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.2	21.0	31.6
87	13.2	9.8	14.6

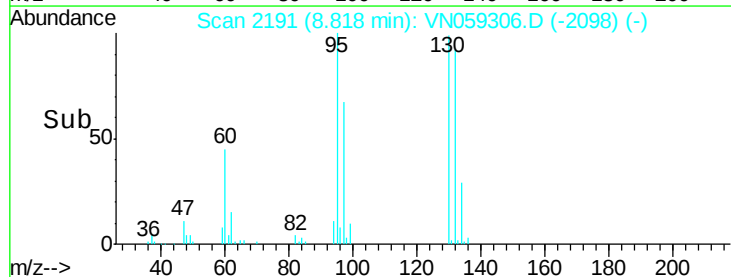
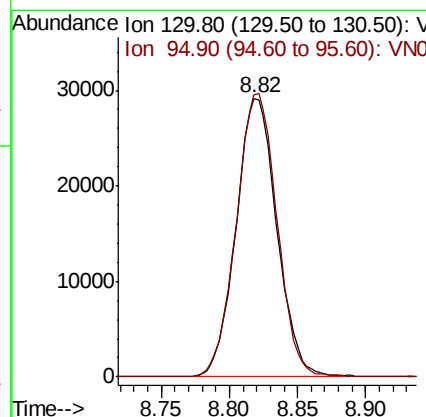
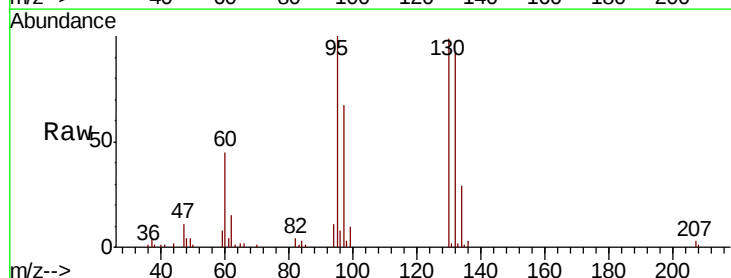
Manual Integrations
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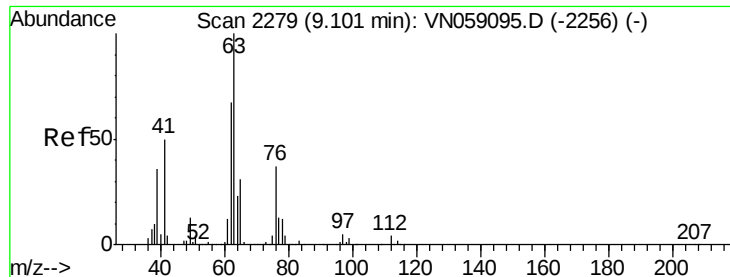
MMDadoda
11/20/2019 1:37:13 PM



#44
Trichloroethene
Concen: 13.250 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	206.4





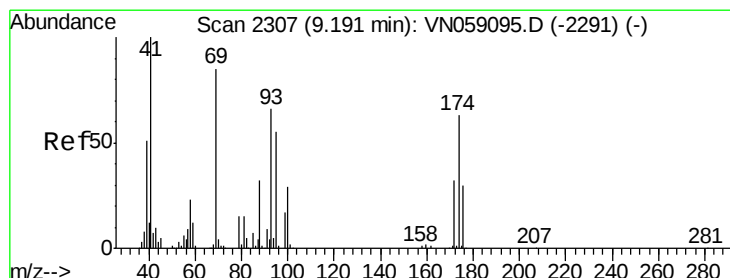
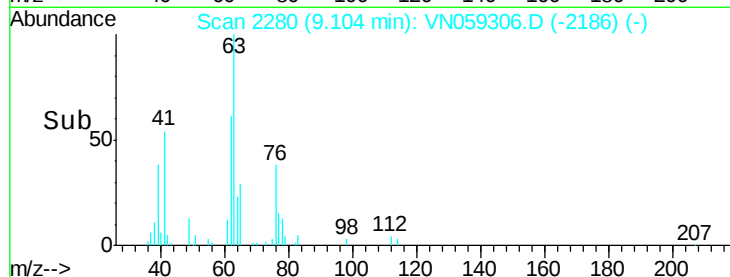
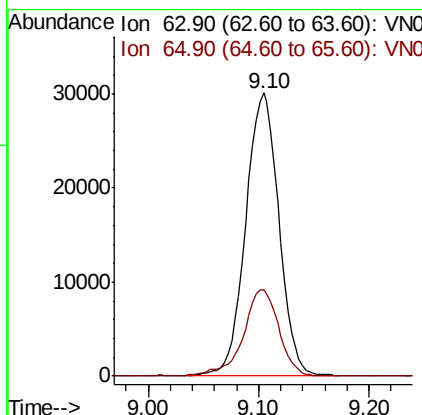
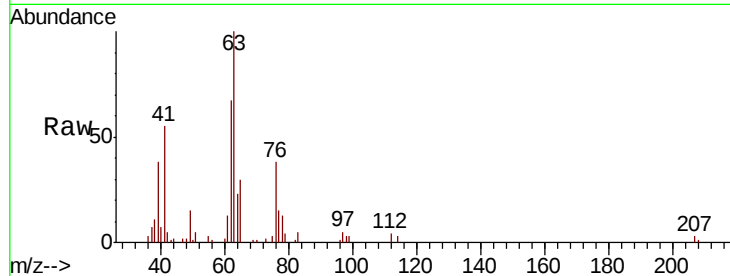
#45
 1,2-Dichloropropane
 Concen: 12.468 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059306.D
 Acq: 19 Nov 2019 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119MBS03

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.6	37.0

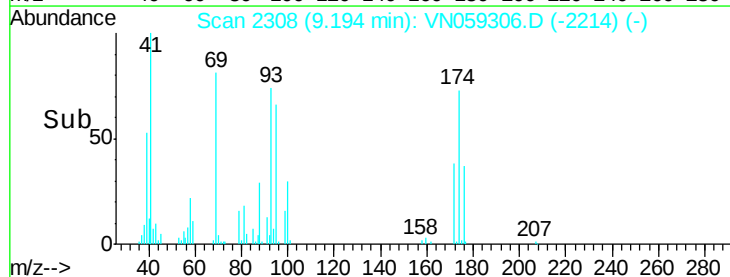
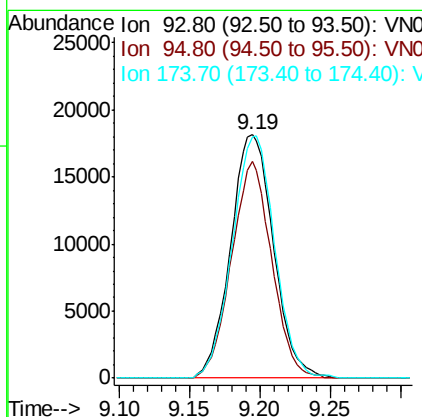
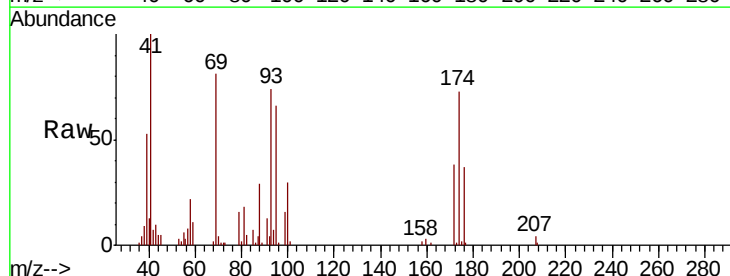
Manual Integrations
 APPROVED

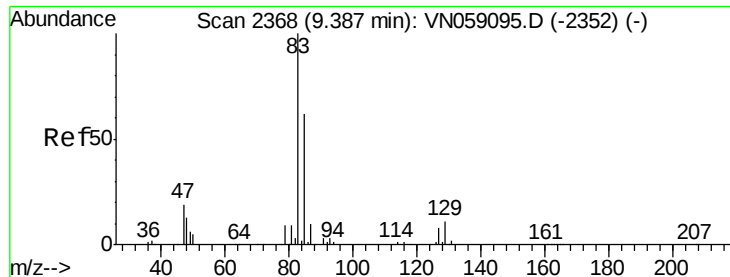
MMDadoda
 11/20/2019 1:37:13 PM



#46
 Dibromomethane
 Concen: 12.302 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059306.D
 Acq: 19 Nov 2019 14:55

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.6	100.0
174	98.2	78.2	117.2





#47

Bromodichloromethane

Concen: 12.309 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

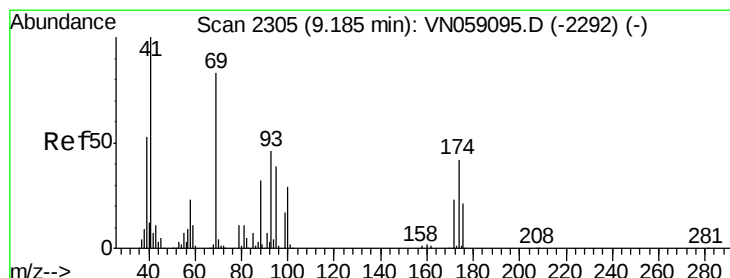
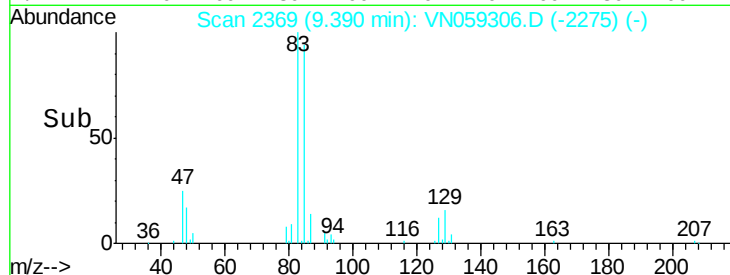
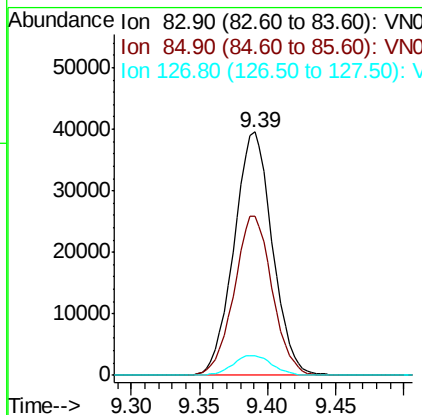
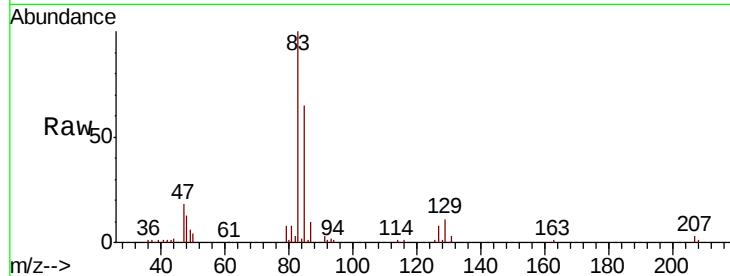
ClientSampleId :

VN1119MBS03

Tot Ion:	83	Resp:	77229
Ion	Ratio	Lower	Upper
83	100		
85	65.3	49.7	74.5
127	8.2	6.4	9.6

Manual Integrations
APPROVED

MMDadoda
11/20/2019 1:37:13 PM



#48

Methyl methacrylate

Concen: 11.452 ug/l

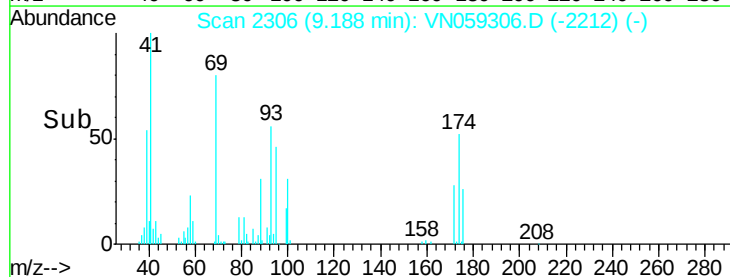
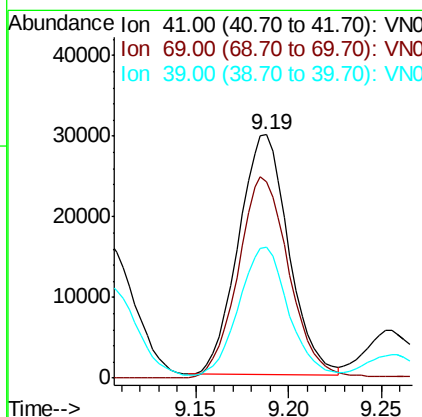
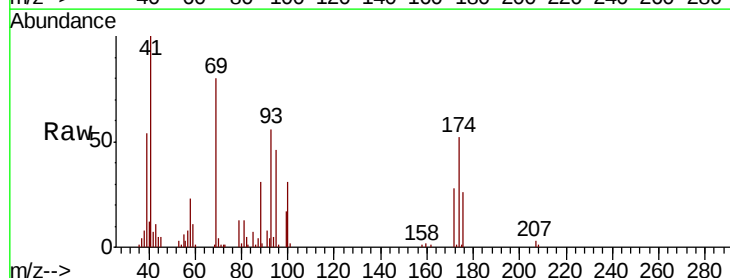
RT: 9.19 min Scan# 2306

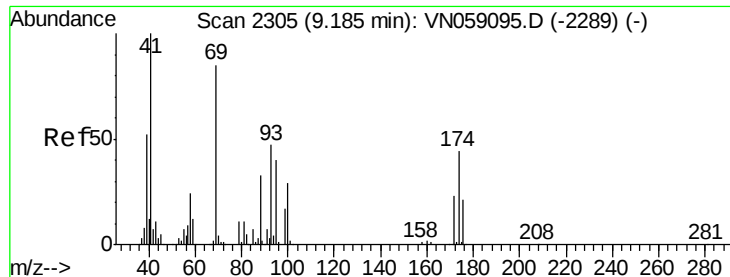
Delta R.T. 0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Tgt Ion:	41	Resp:	56004
Ion	Ratio	Lower	Upper
41	100		
69	86.1	67.3	100.9
39	54.4	43.3	64.9





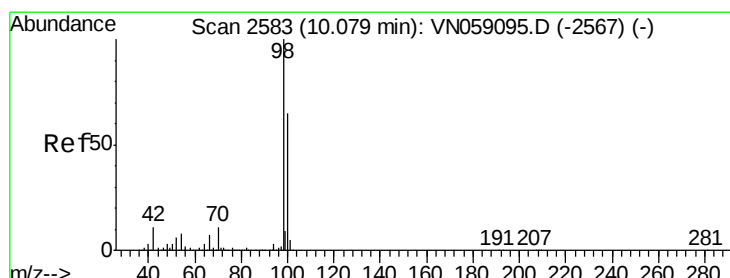
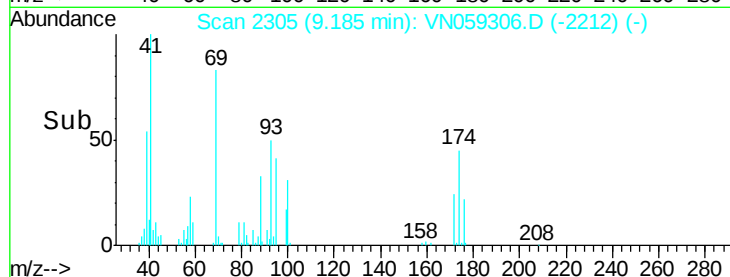
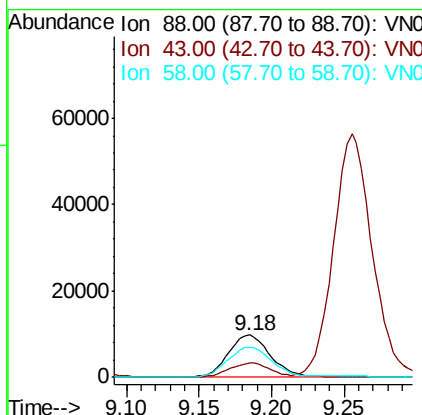
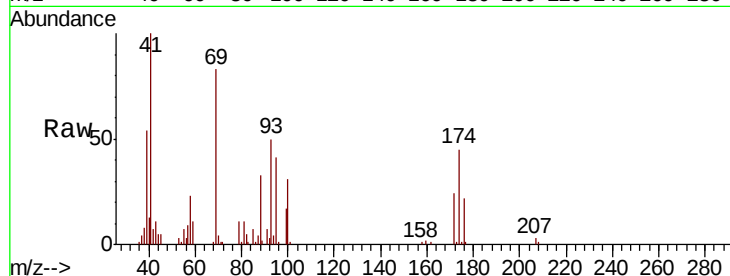
#49
1,4-Dioxane
Concen: 230.267 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS03

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.7	26.3	39.5
58	73.6	60.6	90.8

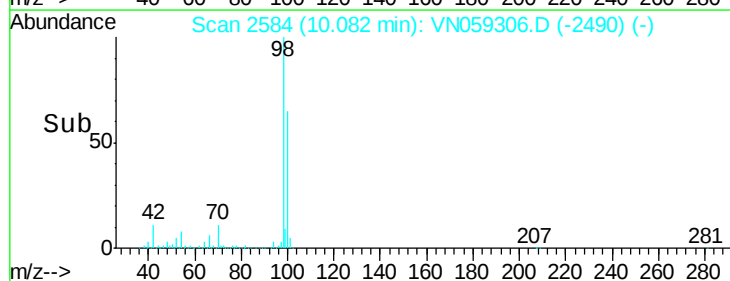
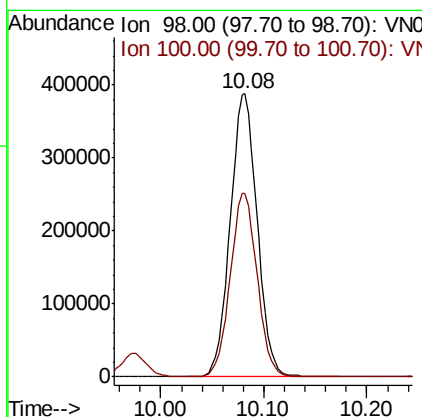
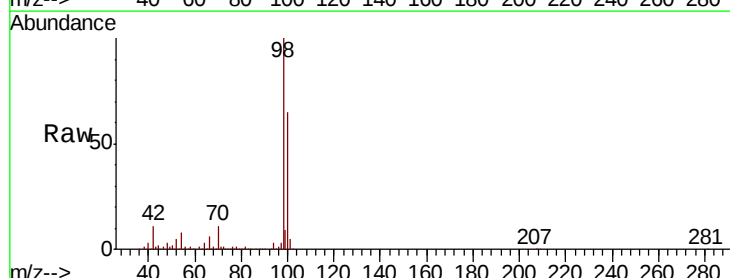
Manual Integrations
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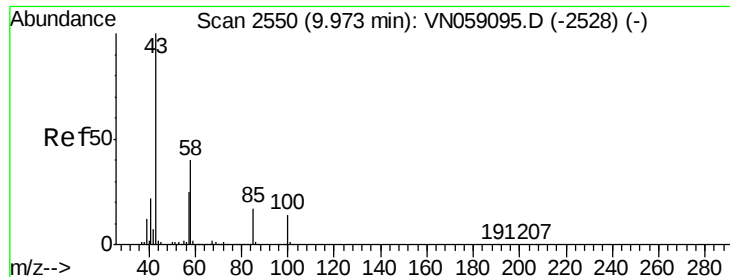
MMDadoda
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#50
Toluene-d8
Concen: 45.588 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.2	78.2





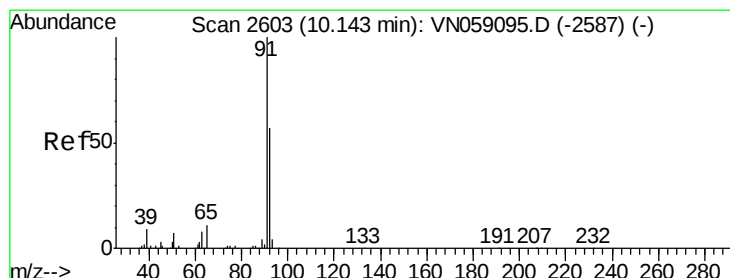
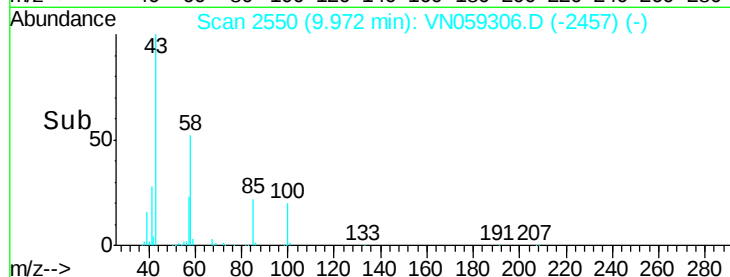
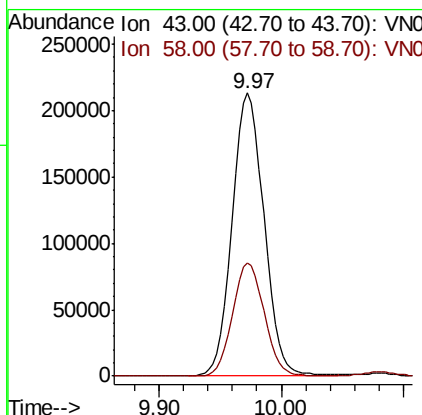
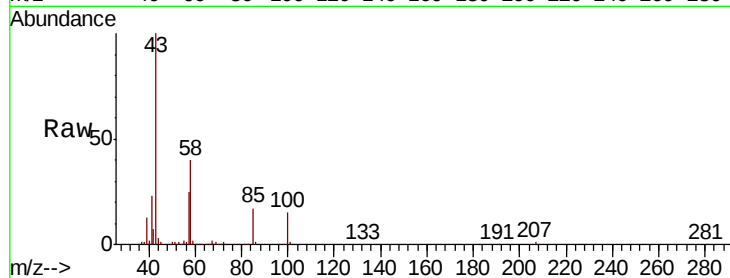
#51
4-Methyl-2-Pentanone
Concen: 62.643 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS03

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.7	31.5	47.3

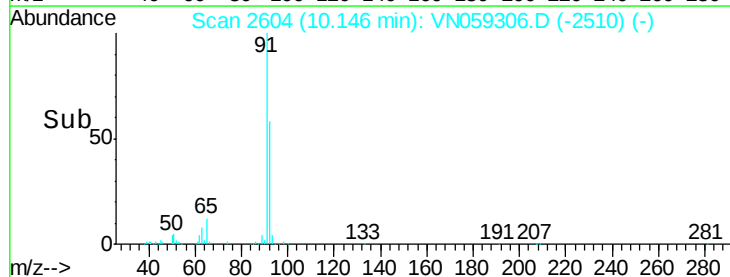
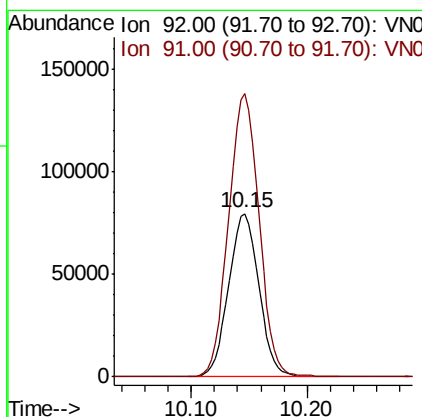
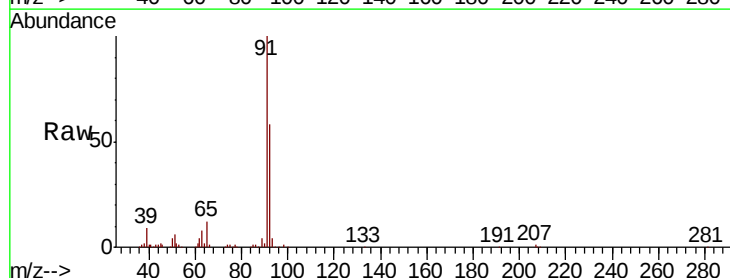
Manual Integrations
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#52
Toluene
Concen: 12.942 ug/l
RT: 10.15 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.7	139.5	209.3





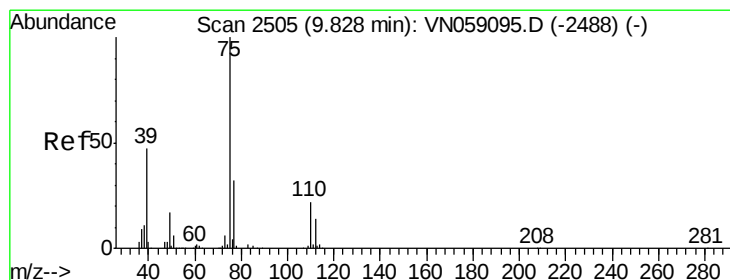
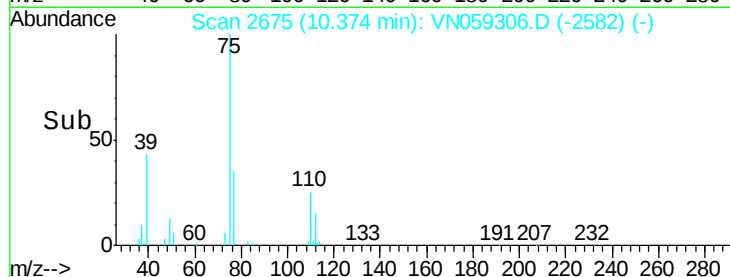
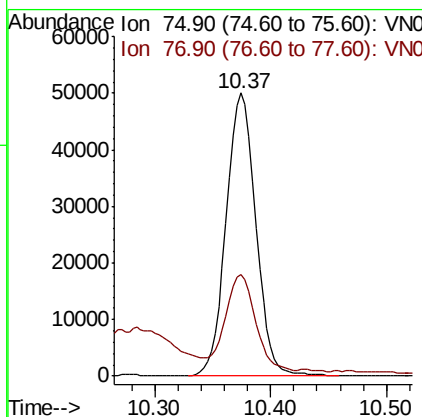
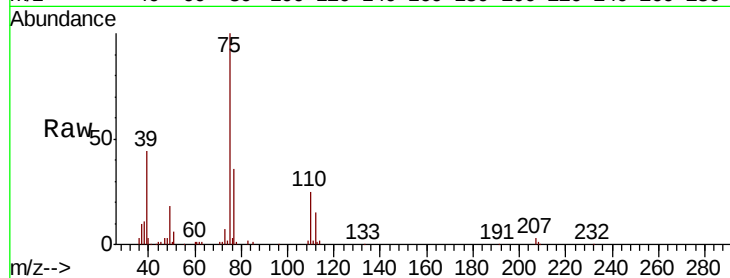
#53
t-1,3-Dichloropropene
Concen: 12.081 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. -0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS03

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.2	25.3	37.9

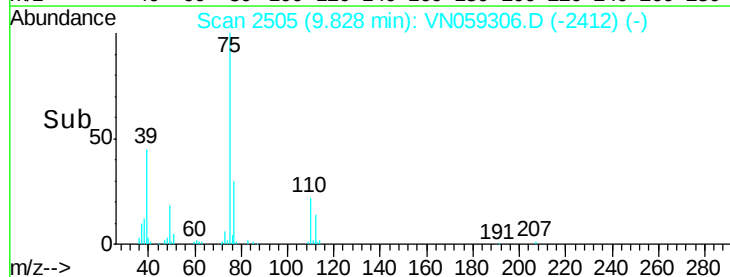
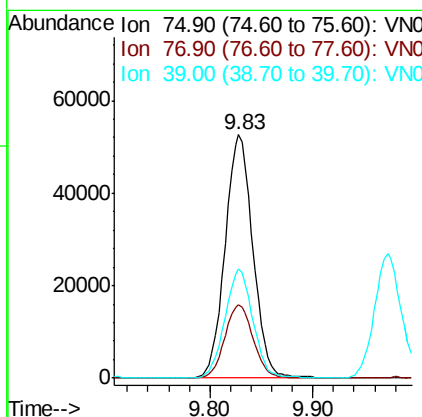
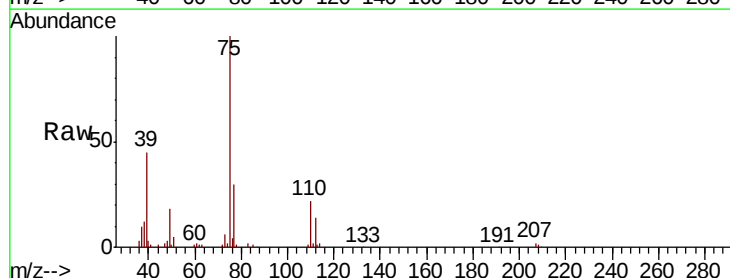
Manual Integrations
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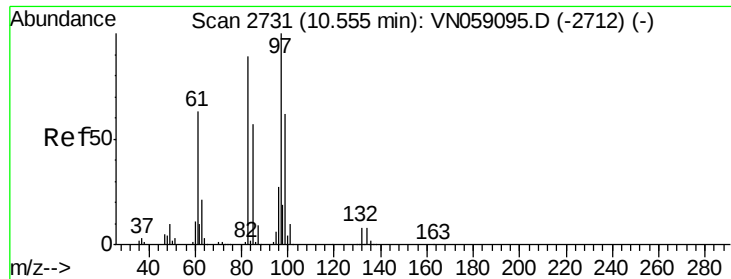
MMDadoda
11/20/2019 1:37:13 PM



#54
cis-1,3-Dichloropropene
Concen: 12.666 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. -0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.5	38.3
39	44.9	37.3	55.9





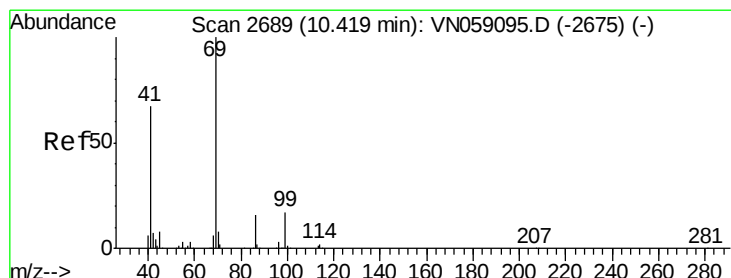
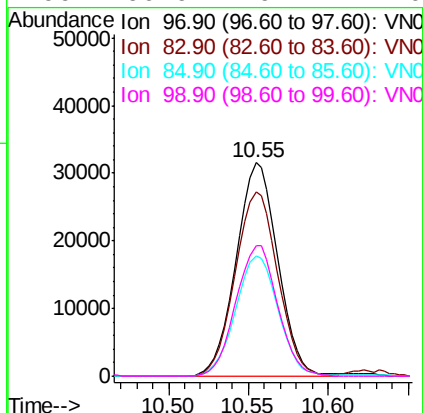
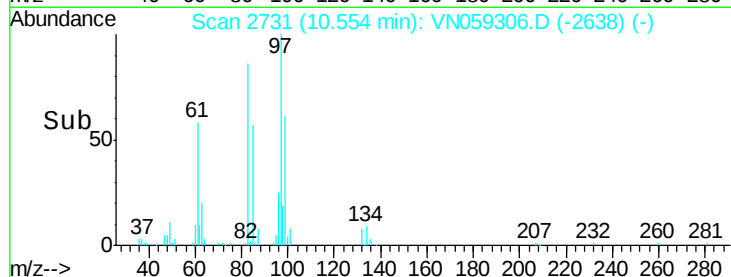
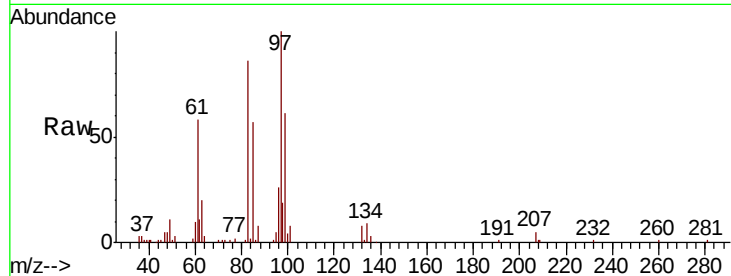
#55
 1,1,2-Trichloroethane
 Concen: 12.428 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059306.D
 Acq: 19 Nov 2019 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119MBS03

Tot Ion:	97	Resp:	55962
Ion	Ratio	Lower	Upper
97	100		
83	86.2	71.0	106.4
85	56.6	45.8	68.8
99	60.9	49.4	74.0

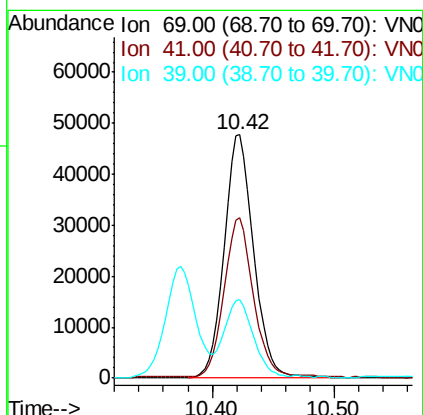
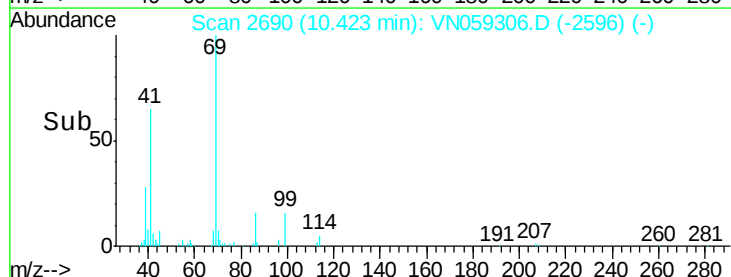
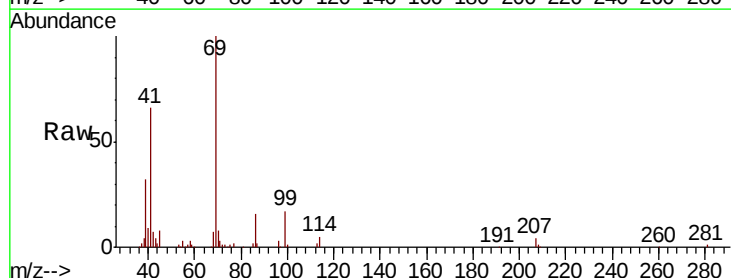
Manual Integrations
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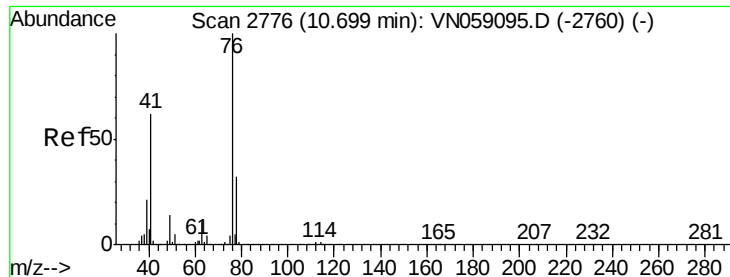
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#56
 Ethyl methacrylate
 Concen: 12.250 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059306.D
 Acq: 19 Nov 2019 14:55

Tgt Ion:	69	Resp:	80964
Ion	Ratio	Lower	Upper
69	100		
41	64.6	53.6	80.4
39	30.9	26.2	39.4





#57

1,3-Dichloropropane

Concen: 12.558 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS03

Tot Ion: 76 Resp: 97323

Ion Ratio Lower Upper

76 100

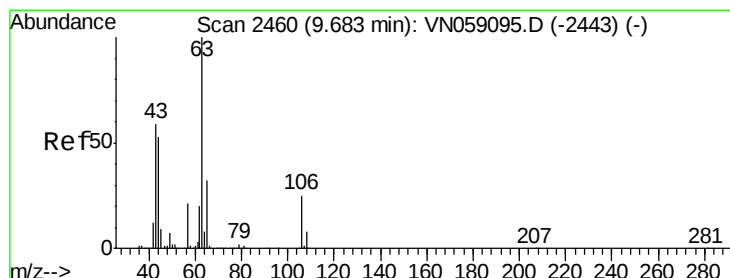
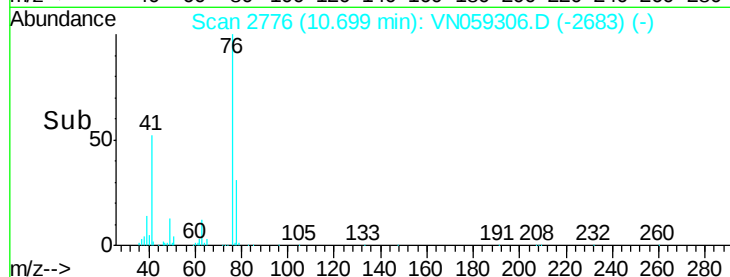
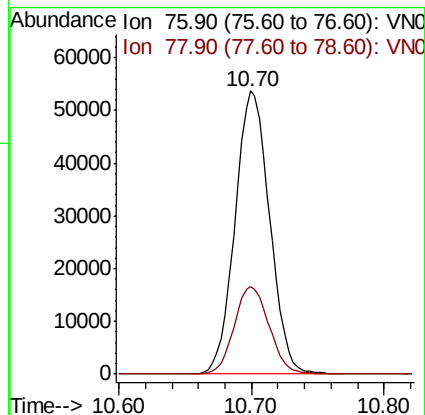
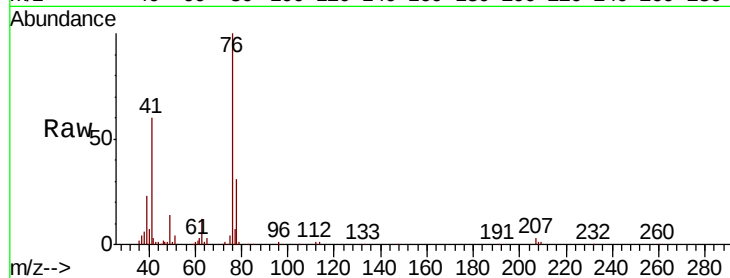
78 31.1 25.8 38.8

Manual Integrations

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11/20/2019 1:37:13 PM



#58

2-Chloroethyl Vinyl ether

Concen: 76.821 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059306.D

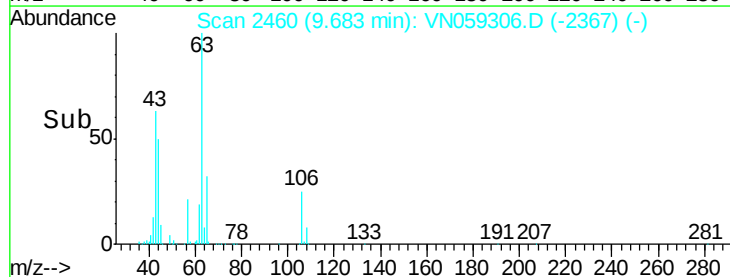
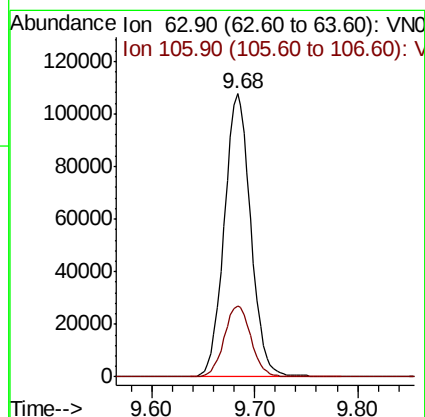
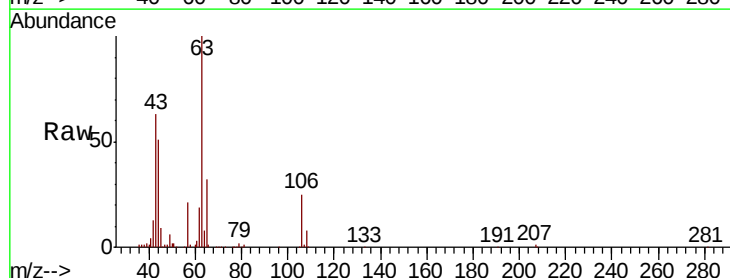
Acq: 19 Nov 2019 14:55

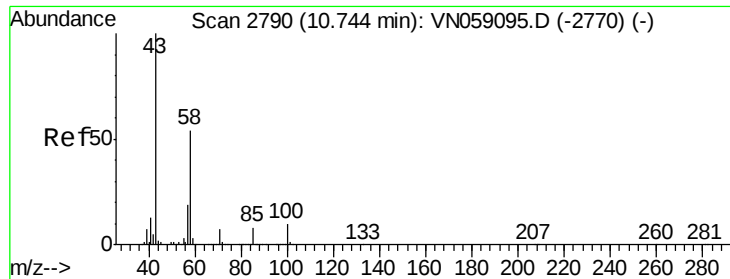
Tgt Ion: 63 Resp: 192513

Ion Ratio Lower Upper

63 100

106 25.5 20.2 30.2





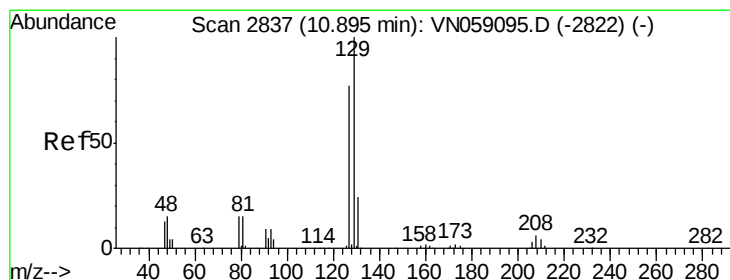
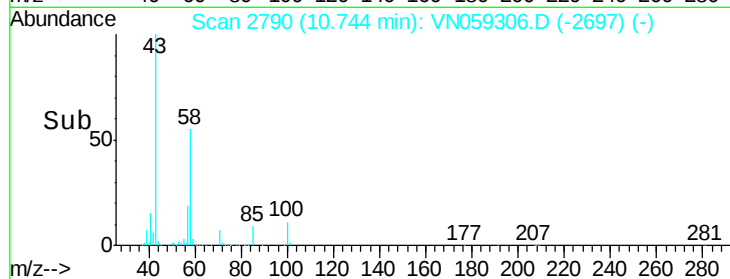
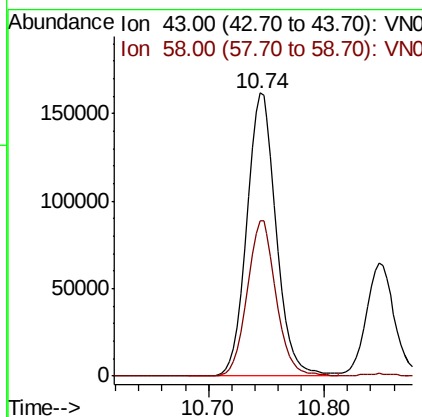
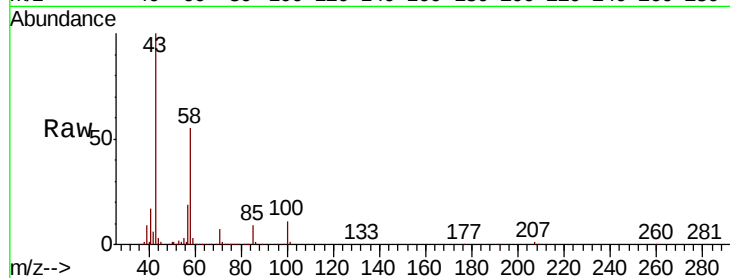
#59
2-Hexanone
Concen: 60.408 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS03

Tot Ion: 43 Resp: 286827
Ion Ratio Lower Upper
43 100
58 54.2 27.3 81.8

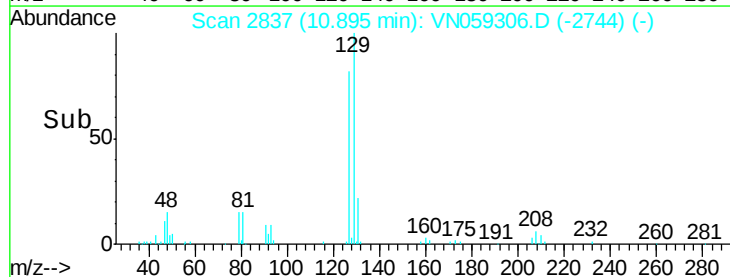
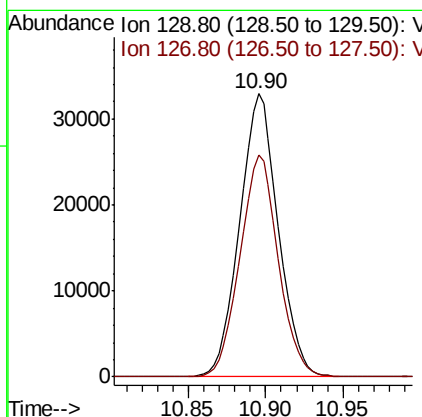
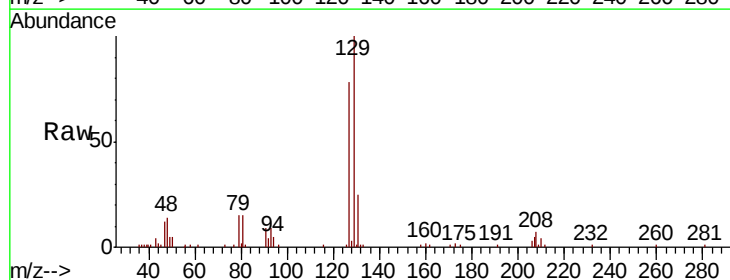
Manual Integrations
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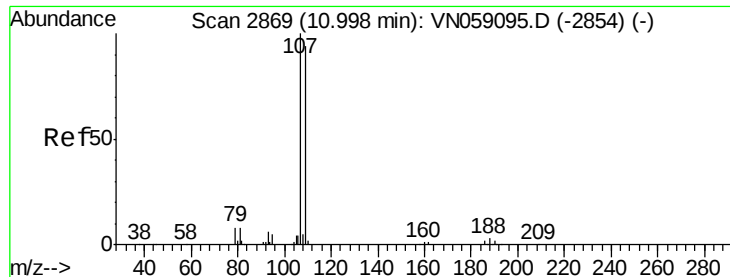
MMDadoda
11/20/2019 1:37:13 PM



#60
Dibromochloromethane
Concen: 11.973 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Tgt Ion: 129 Resp: 57002
Ion Ratio Lower Upper
129 100
127 78.0 38.6 115.8





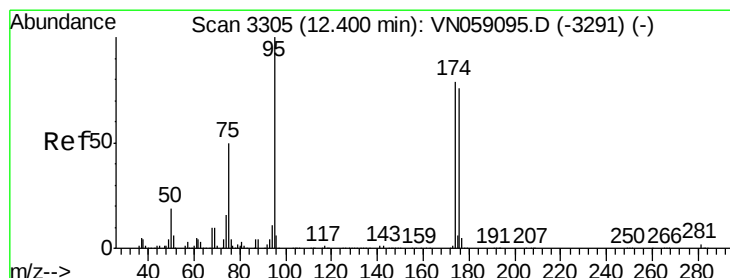
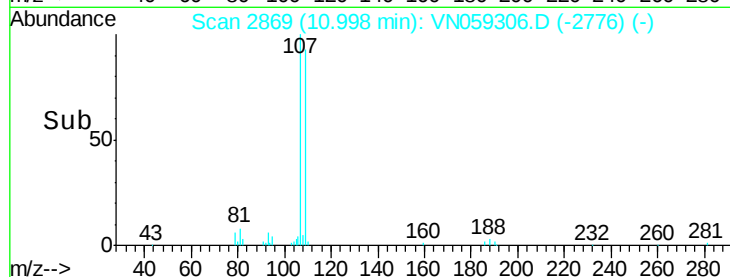
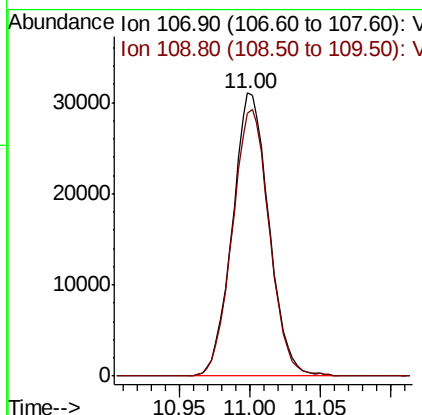
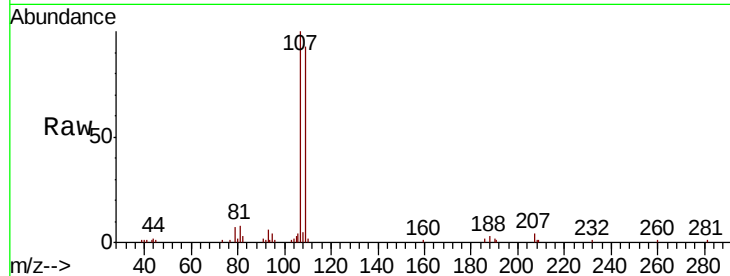
#61
 1,2-Dibromoethane
 Concen: 12.350 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059306.D
 Acq: 19 Nov 2019 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119MBS03

Tot Ion: 107 Resp: 56295
 Ion Ratio Lower Upper
 107 100
 109 95.5 75.5 113.3

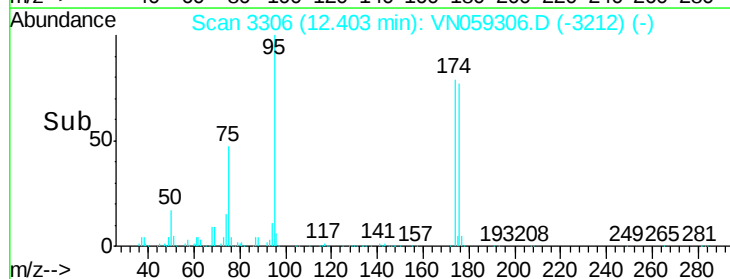
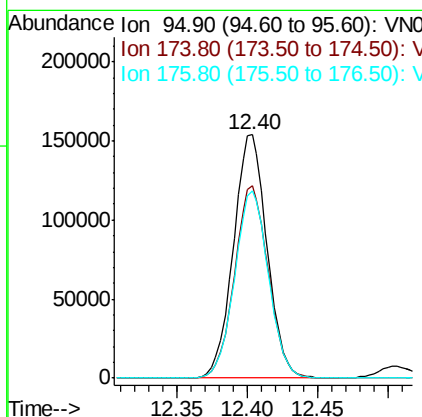
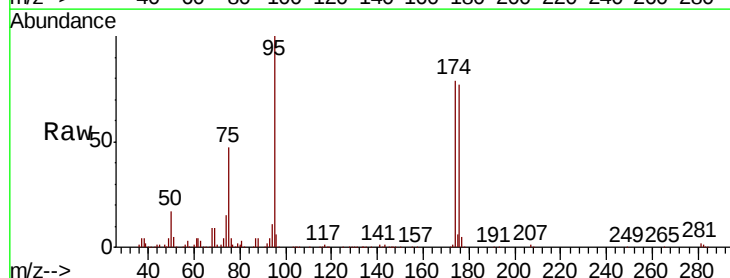
Manual Integrations
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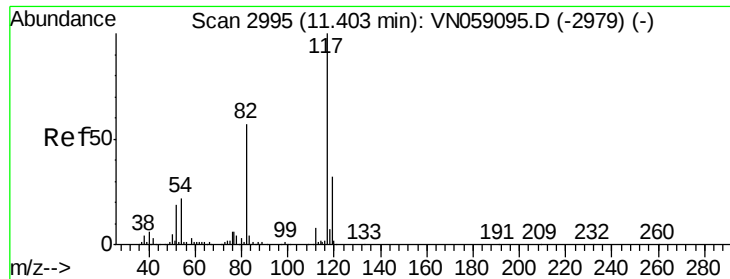
MMDadoda
 11/20/2019 1:37:13 PM



#62
 4-Bromofluorobenzene
 Concen: 45.904 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059306.D
 Acq: 19 Nov 2019 14:55

Tgt Ion: 95 Resp: 256728
 Ion Ratio Lower Upper
 95 100
 174 79.3 0.0 158.2
 176 77.4 0.0 151.8





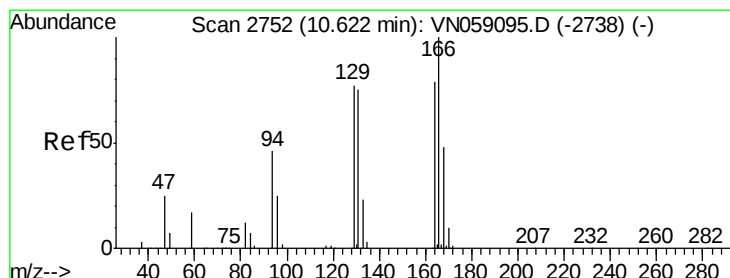
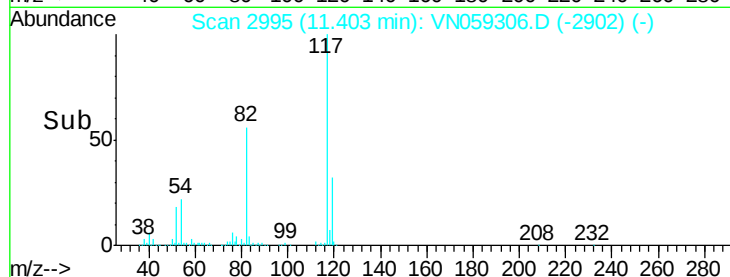
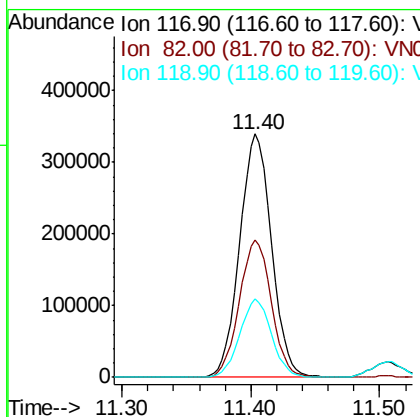
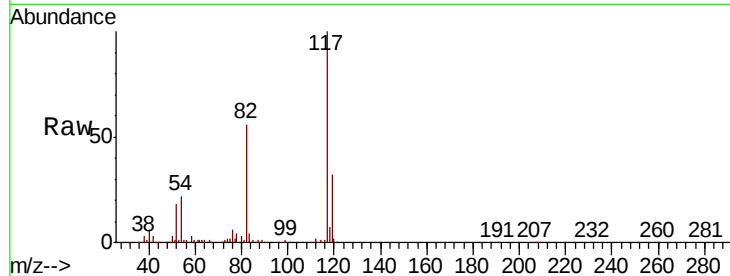
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS03

Tot Ion	Ratio	Resp	Lower	Upper
117	100	583859		
82	56.4		45.8	68.8
119	32.0		25.8	38.6

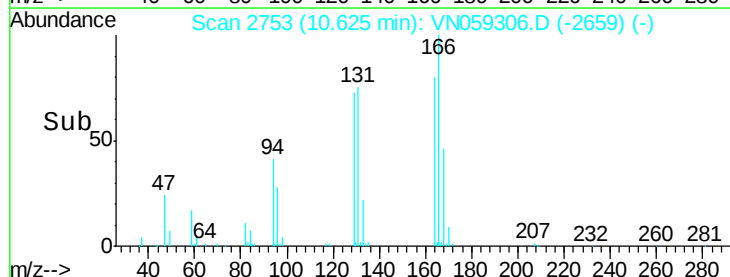
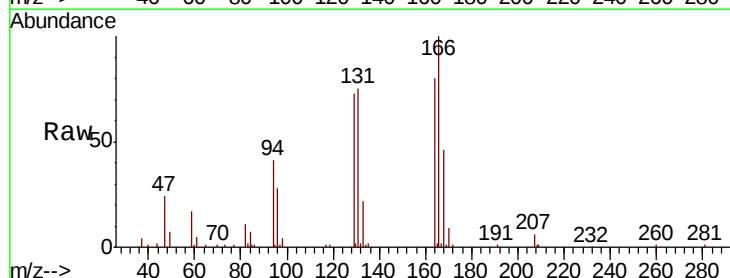
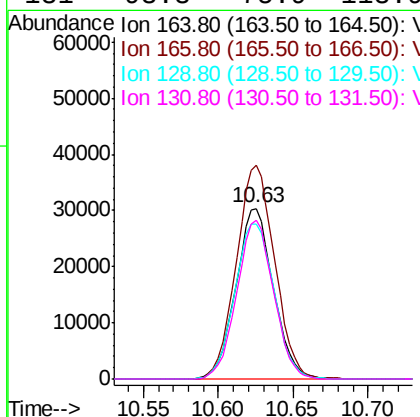
Manual Integrations
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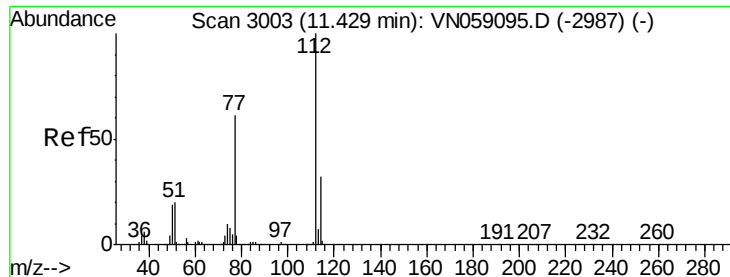
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#64
Tetrachloroethene
Concen: 13.351 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	53006		
166	125.1		101.5	152.3
129	90.9		78.3	117.5
131	93.3		75.9	113.9





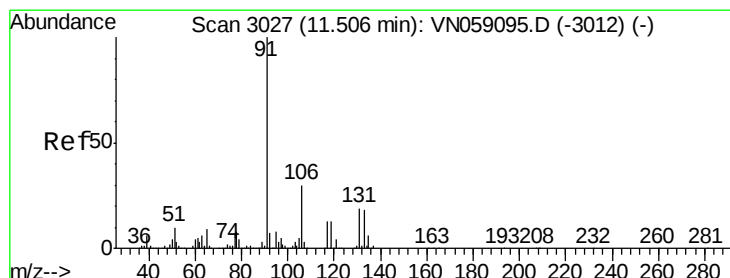
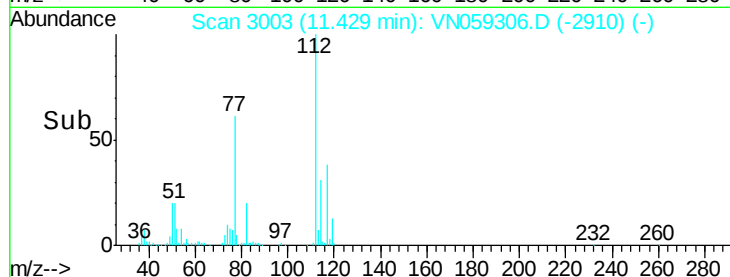
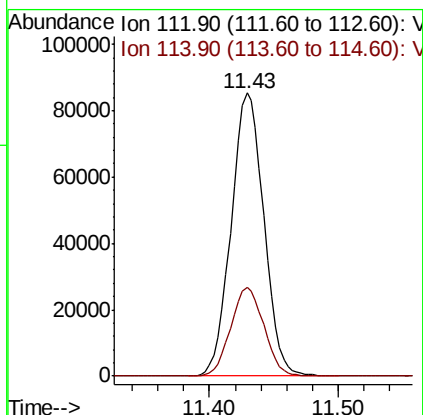
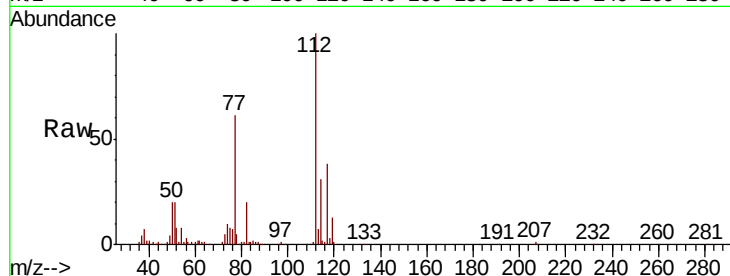
#65
Chlorobenzene
Concen: 13.170 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS03

Tot Ion:112 Resp: 149896
Ion Ratio Lower Upper
112 100
114 31.4 25.2 37.8

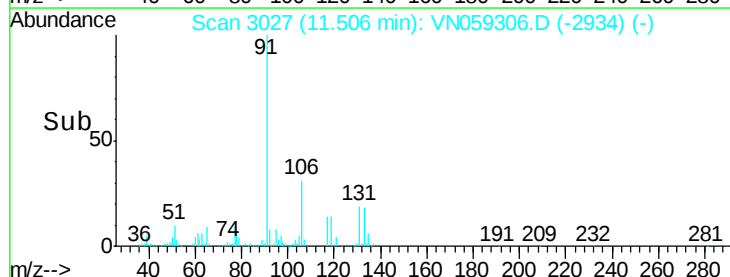
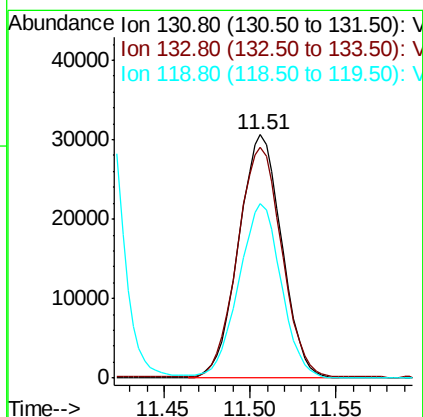
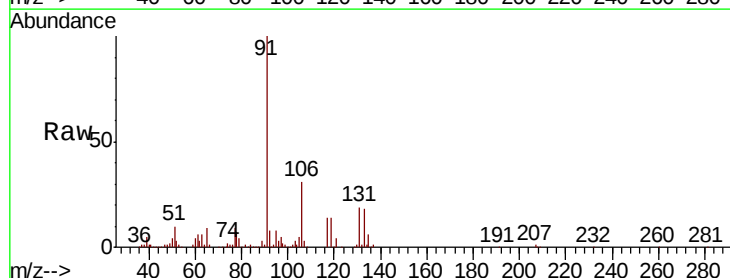
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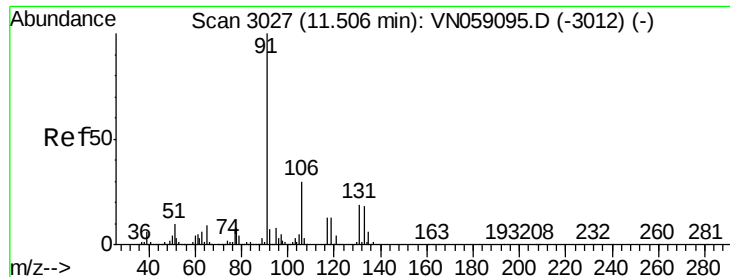
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#66
1,1,1,2-Tetrachloroethane
Concen: 12.488 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Tgt Ion:131 Resp: 53319
Ion Ratio Lower Upper
131 100
133 98.6 47.4 142.3
119 70.6 33.2 99.6





#67

Ethyl Benzene

Concen: 13.315 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS03

Tot Ion: 91 Resp: 268877

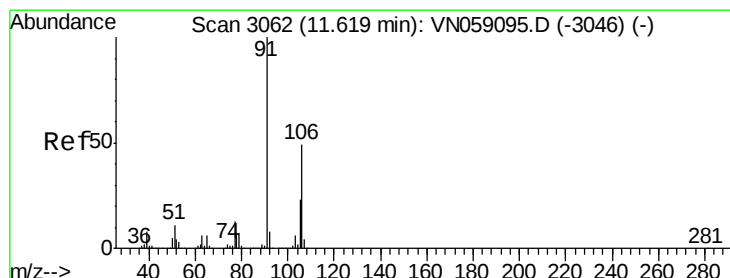
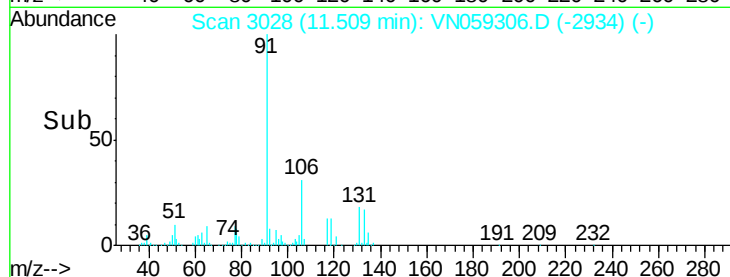
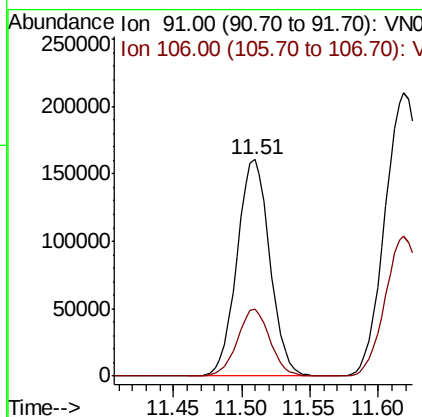
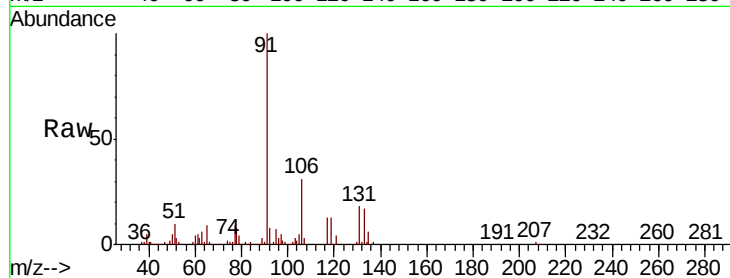
Ion Ratio Lower Upper

91 100

106 30.7 24.1 36.1

Manual Integrations
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#68

m/p-Xylenes

Concen: 26.168 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059306.D

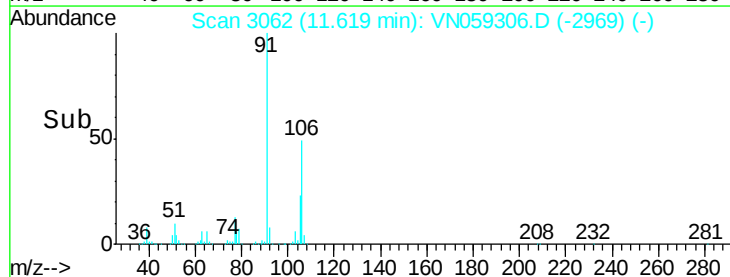
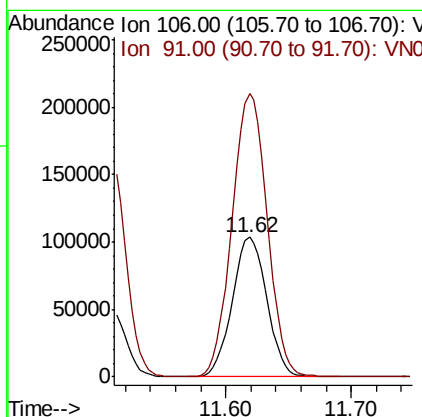
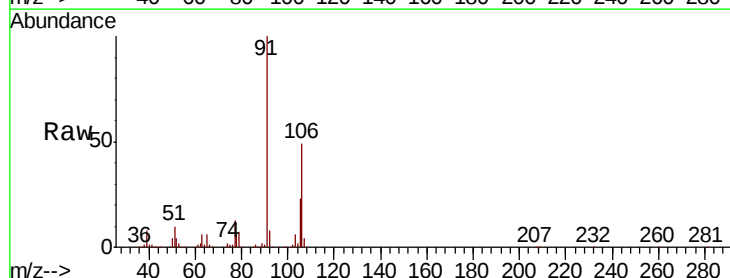
Acq: 19 Nov 2019 14:55

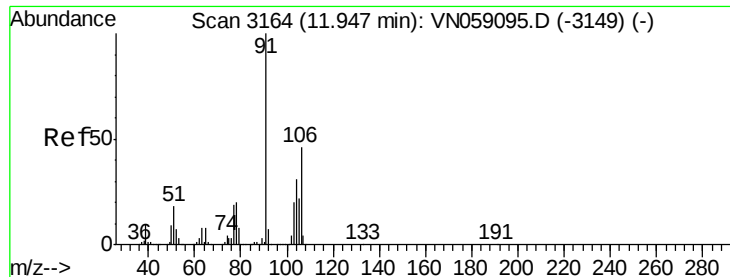
Tgt Ion: 106 Resp: 197941

Ion Ratio Lower Upper

106 100

91 206.7 164.7 247.1





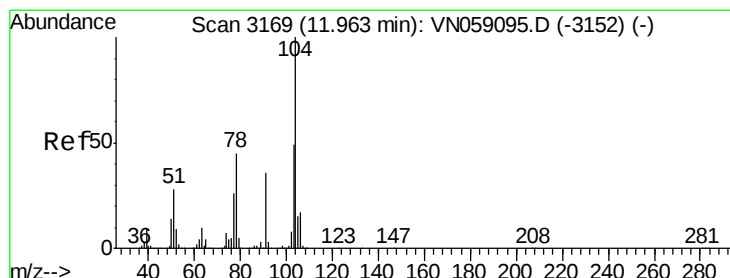
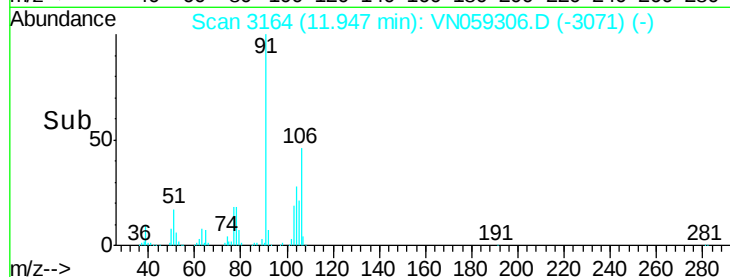
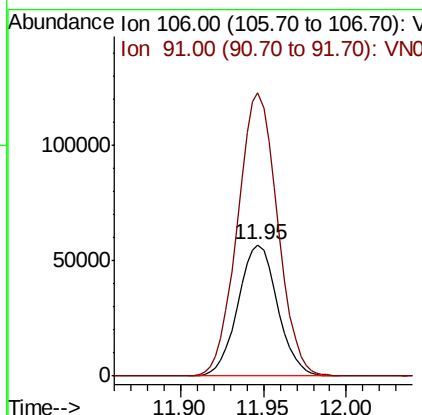
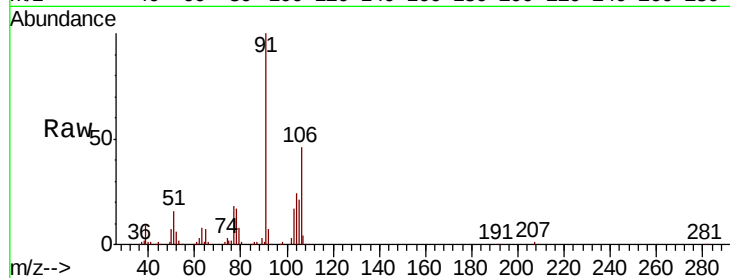
#69
o-Xylene
Concen: 12.932 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS03

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	218.1	110.1	330.3	

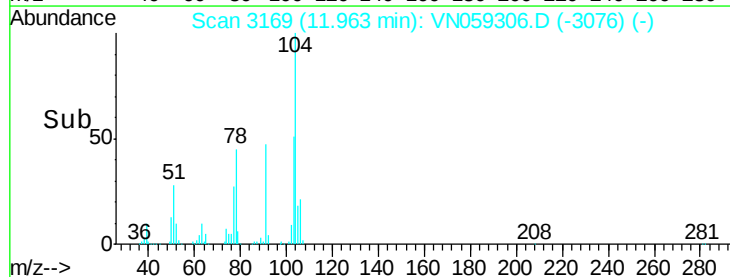
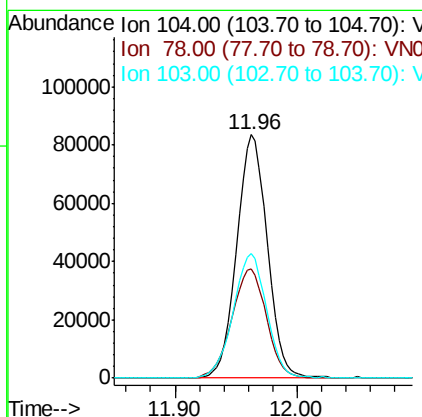
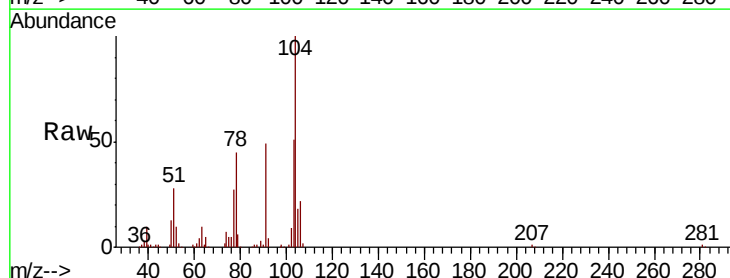
Manual Integrations
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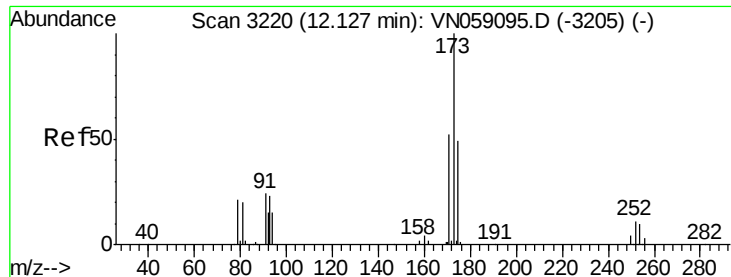
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#70
Styrene
Concen: 12.616 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	51.0	41.2	61.8	
103	55.9	43.8	65.6	





#71

Bromoform

Concen: 11.691 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

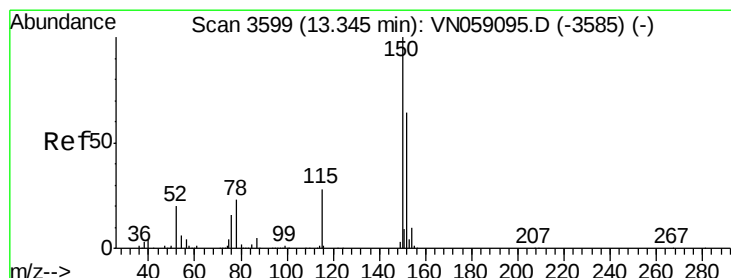
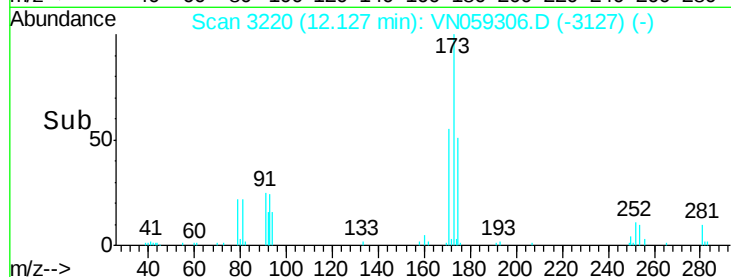
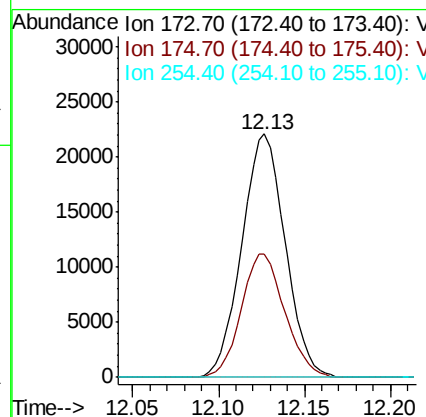
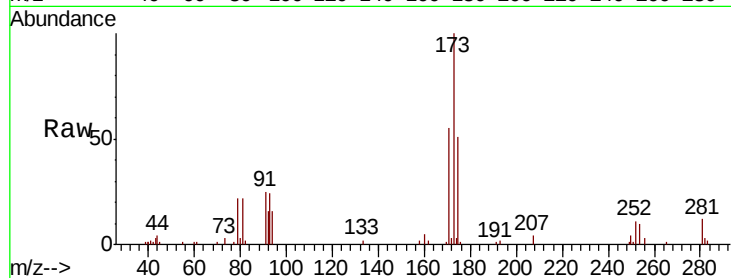
ClientSampleId :

VN1119MBS03

Tot Ion:	173	Resp:	38825
Ion Ratio	Lower	Upper	
173	100		
175	50.6	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

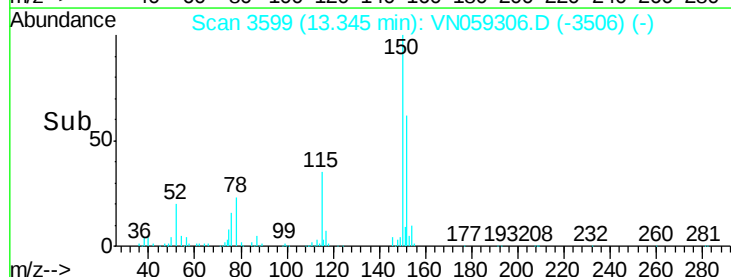
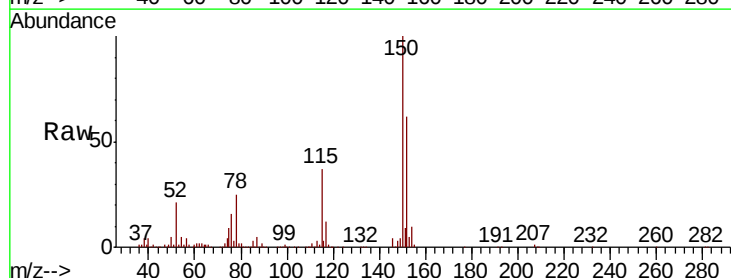
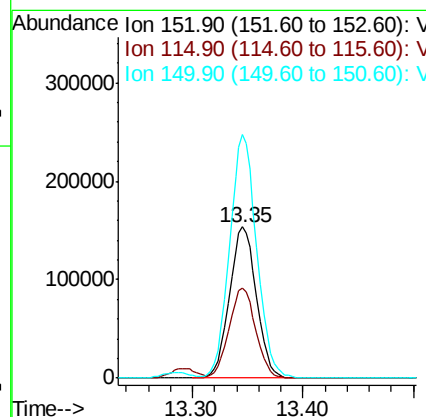
RT: 13.35 min Scan# 3599

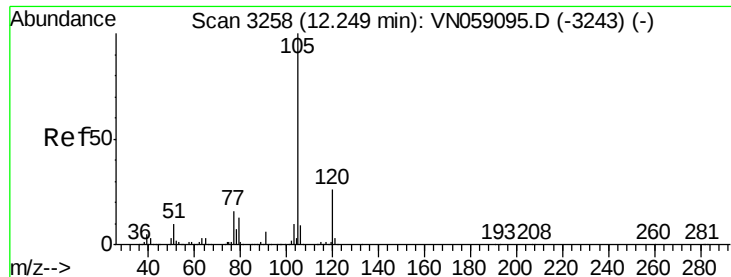
Delta R.T. -0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Tgt Ion:	152	Resp:	259705
Ion Ratio	Lower	Upper	
152	100		
115	58.8	29.4	88.2
150	161.3	0.0	345.8





#73

Isopropylbenzene

Concen: 13.285 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS03

Tot Ion: 105 Resp: 250958

Ion Ratio Lower Upper

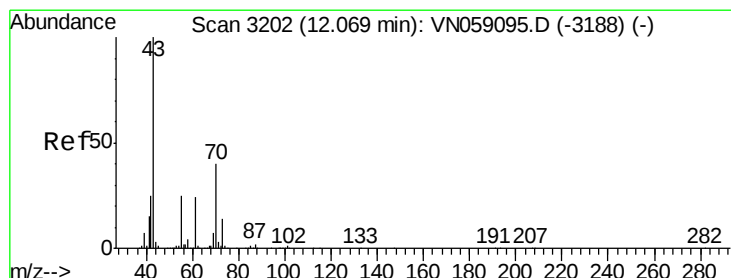
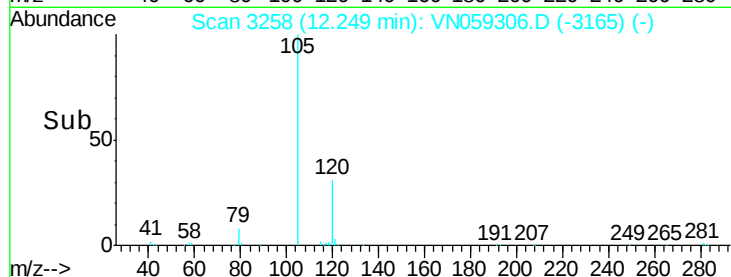
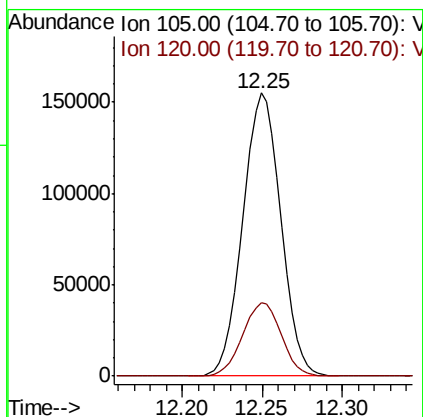
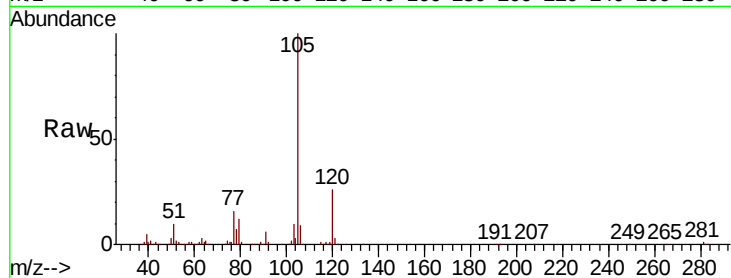
105 100

120 26.5 13.1 39.3

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#74

N-ethyl acetate

Concen: 11.473 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Tgt Ion: 43 Resp: 91841

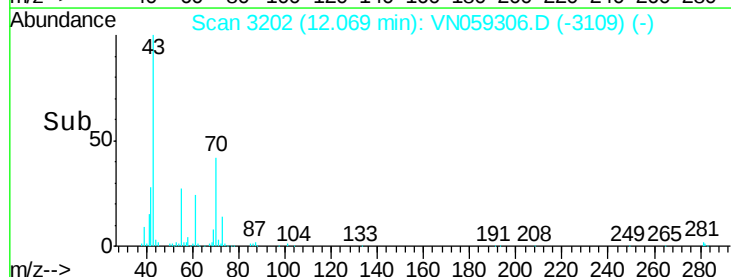
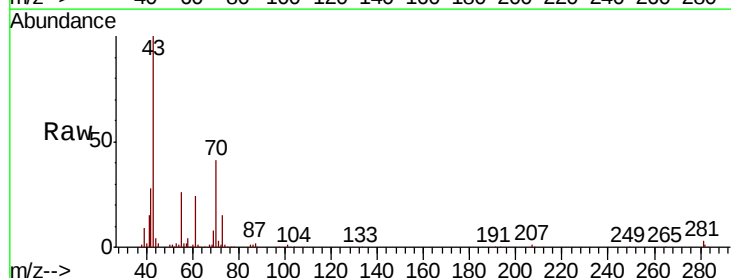
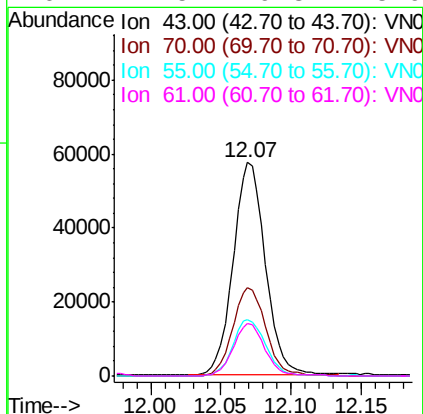
Ion Ratio Lower Upper

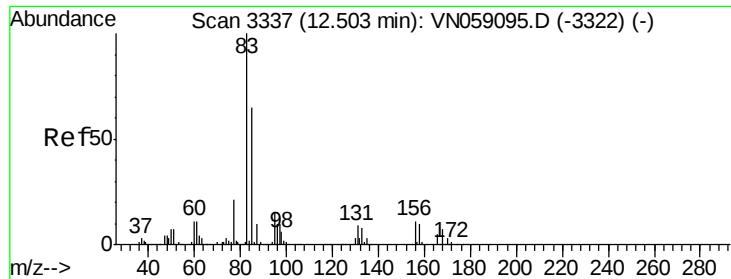
43 100

70 43.1 32.2 48.4

55 26.8 20.4 30.6

61 24.5 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 12.914 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

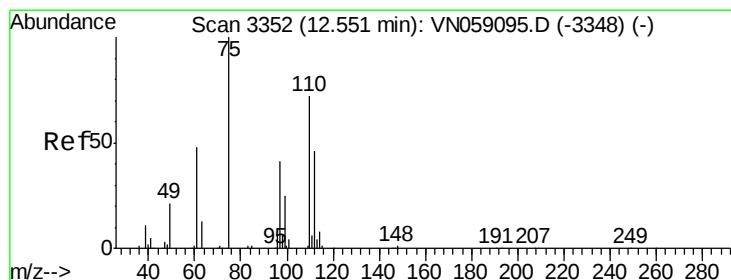
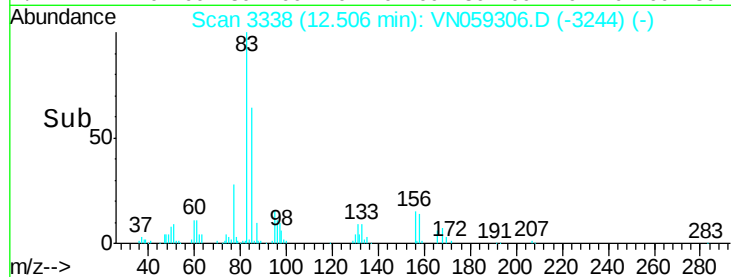
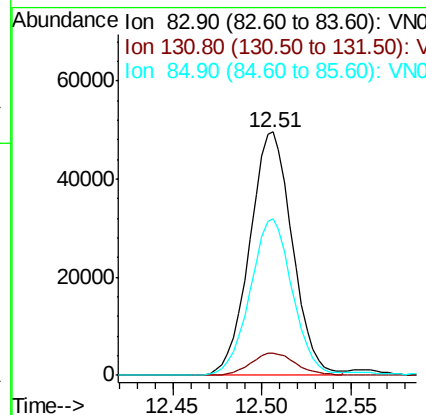
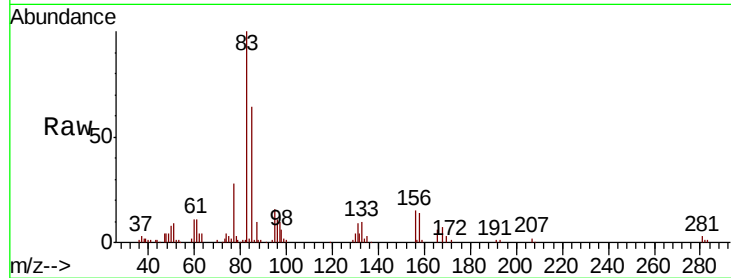
ClientSampleId :

VN1119MBS03

Tot Ion:	83	Resp:	83079
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.6
85	63.5	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 13.015 ug/l m

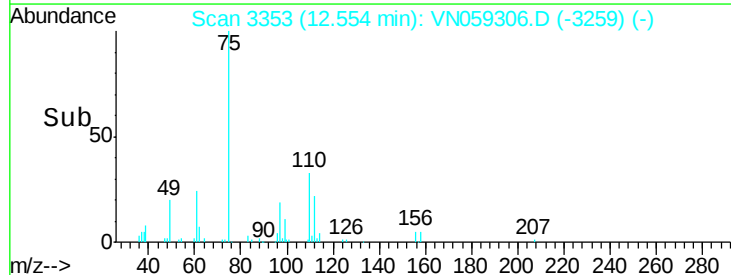
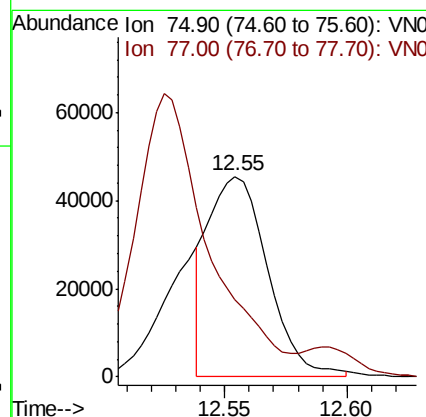
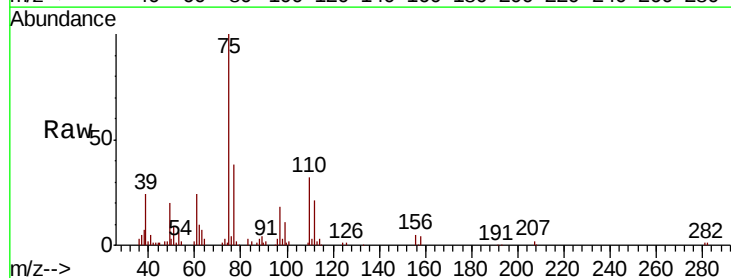
RT: 12.55 min Scan# 3353

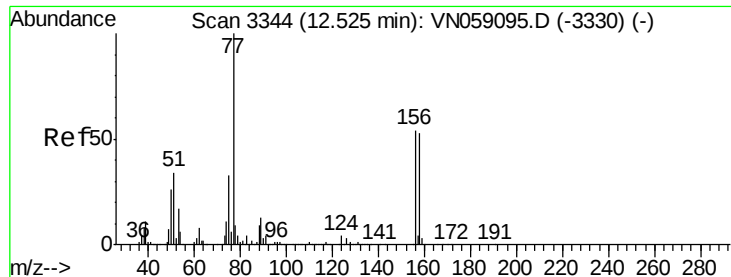
Delta R.T. 0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Tgt Ion:	75	Resp:	76952
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 12.737 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

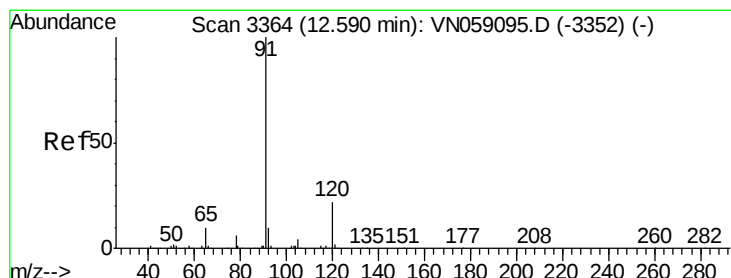
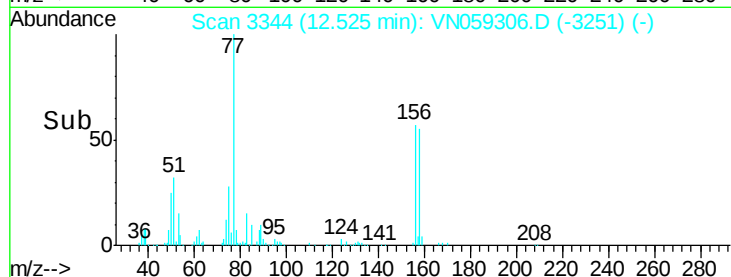
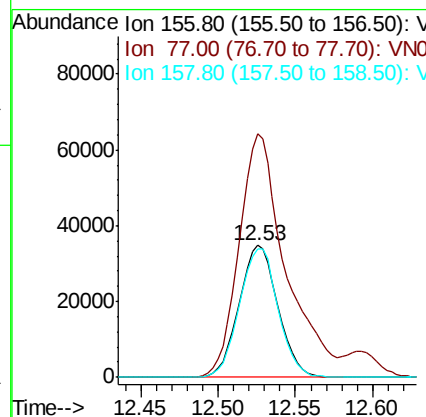
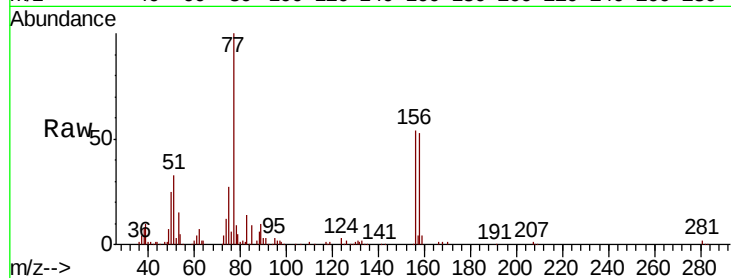
ClientSampleId :

VN1119MBS03

Tot Ion:	156	Resp:	60452
Ion Ratio	Lower	Upper	
156	100		
77	221.5	112.8	338.3
158	97.7	48.4	145.3

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#78

n-propylbenzene

Concen: 13.227 ug/l

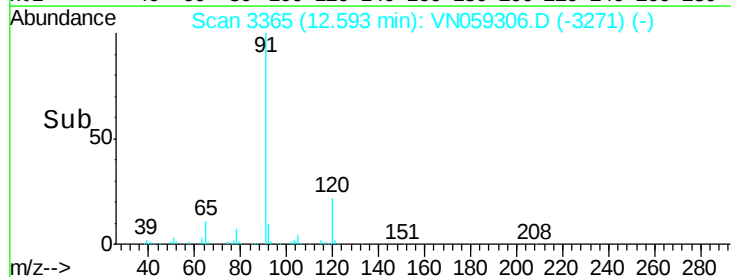
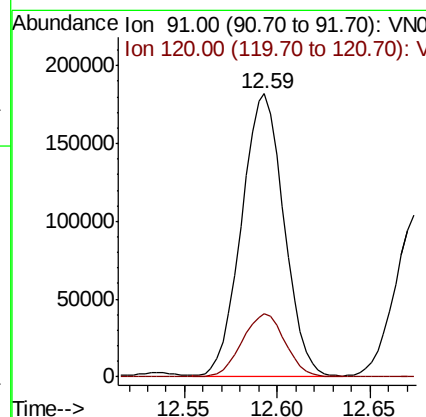
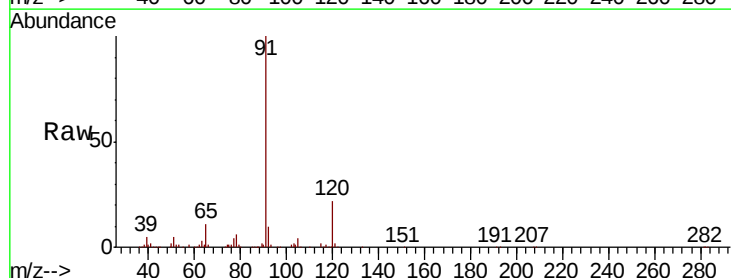
RT: 12.59 min Scan# 3365

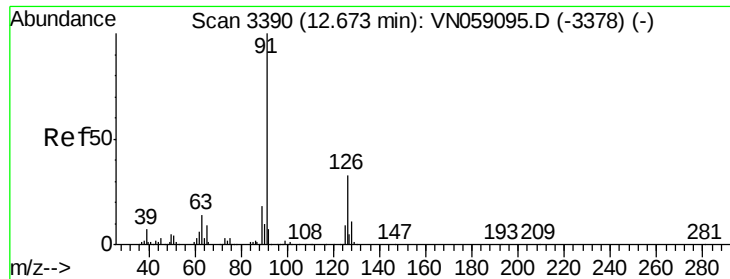
Delta R.T. 0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Tgt Ion:	91	Resp:	286107
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.2	33.5





#79

2-Chlorotoluene

Concen: 12.809 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS03

Tot Ion: 91 Resp: 171877

Ion Ratio Lower Upper

91 100

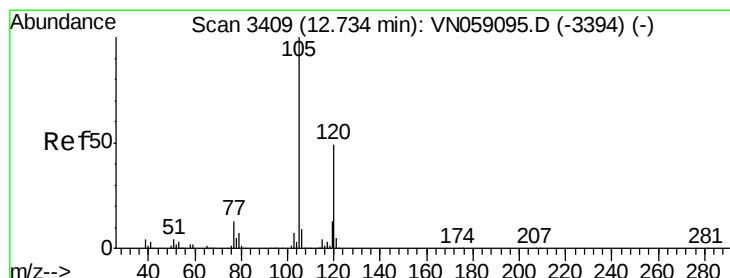
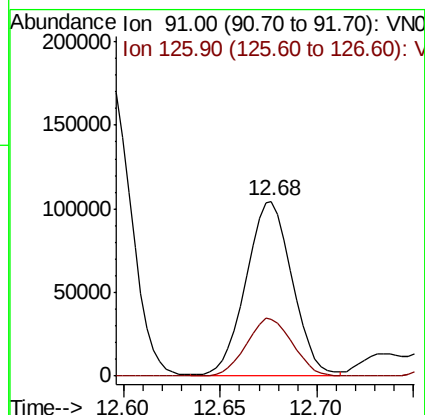
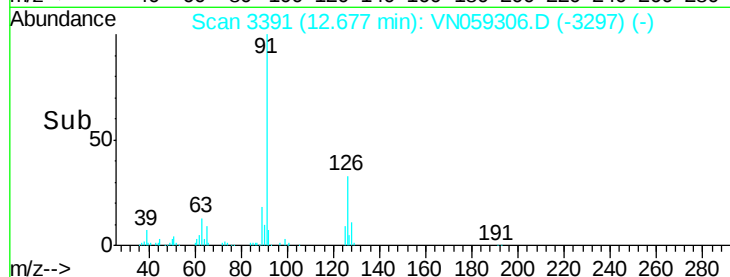
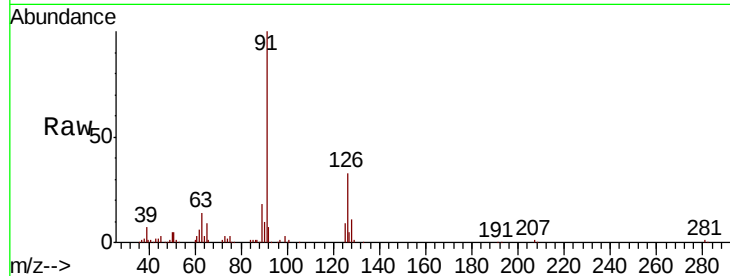
126 33.5 16.7 50.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 13.223 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059306.D

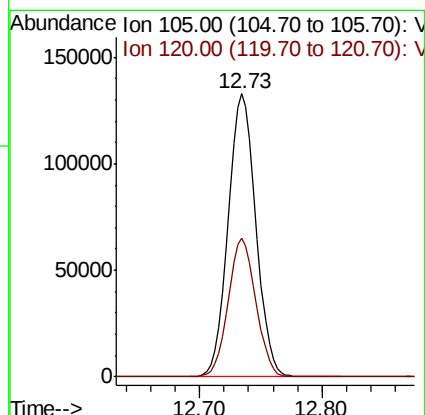
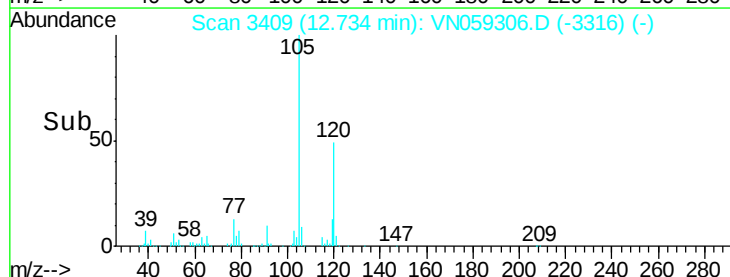
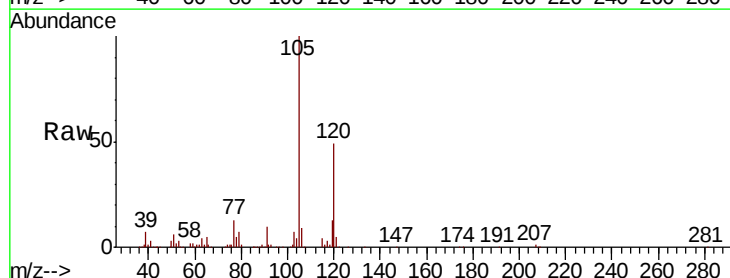
Acq: 19 Nov 2019 14:55

Tgt Ion: 105 Resp: 211664

Ion Ratio Lower Upper

105 100

120 48.6 24.0 72.0





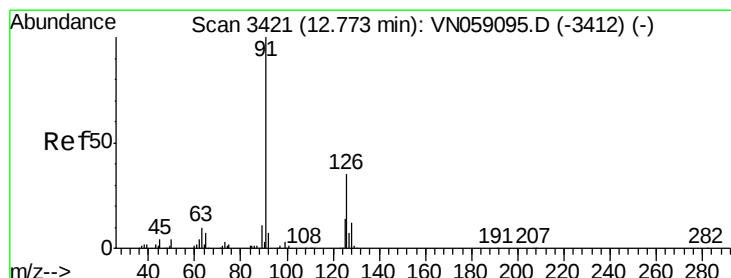
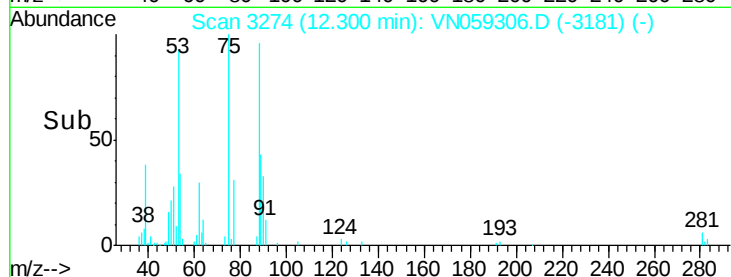
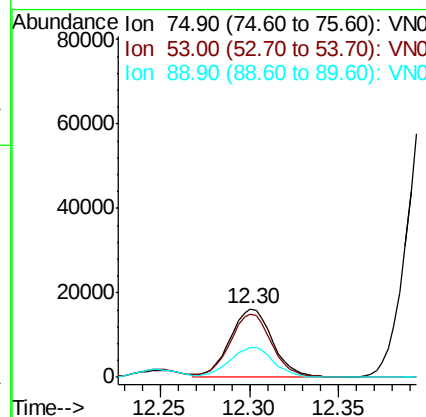
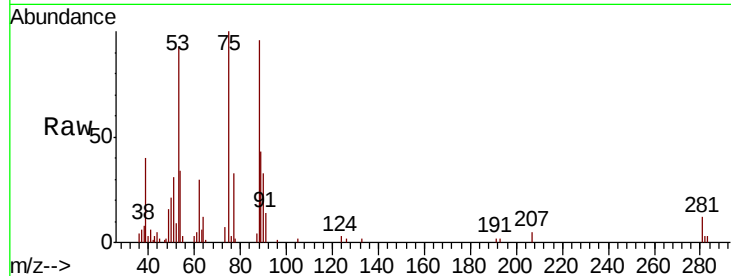
#81
trans-1,4-Dichloro-2-butene
Concen: 12.102 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS03

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.4	72.2	108.2
89	44.5	35.8	53.8

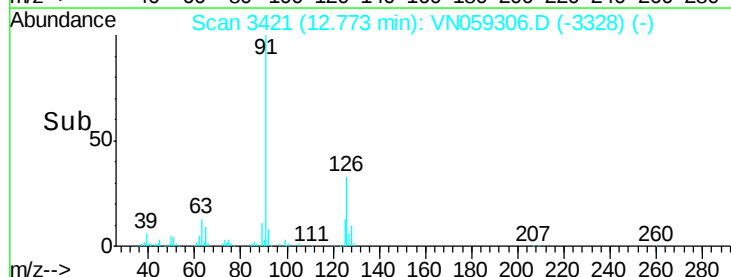
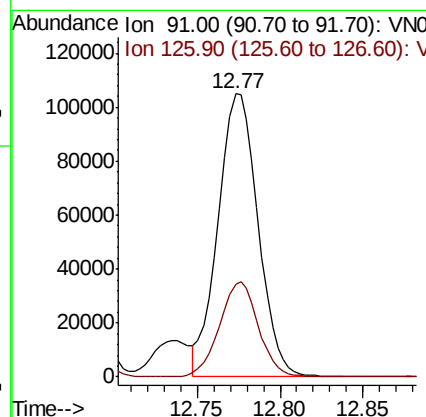
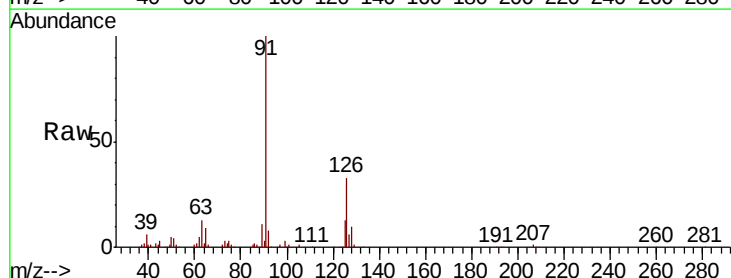
Manual Integrations
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#82
4-Chlorotoluene
Concen: 12.985 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.1	48.2





#83

tert-Butylbenzene

Concen: 12.927 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

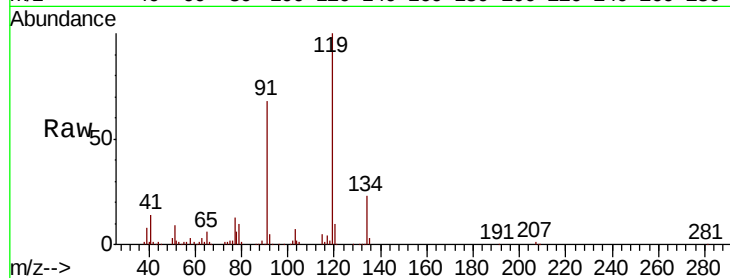
ClientSampleId :

VN1119MBS03

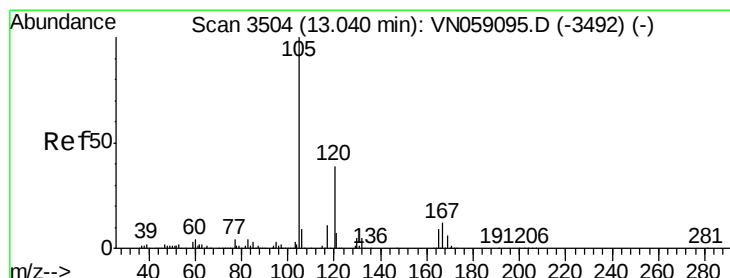
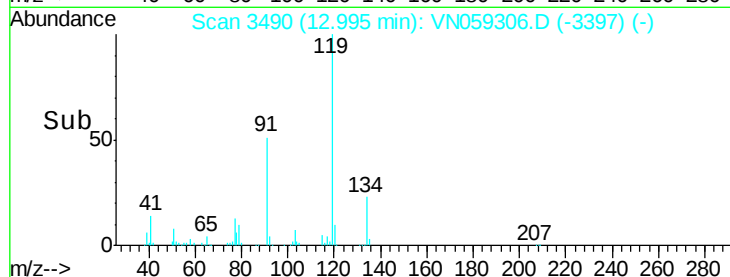
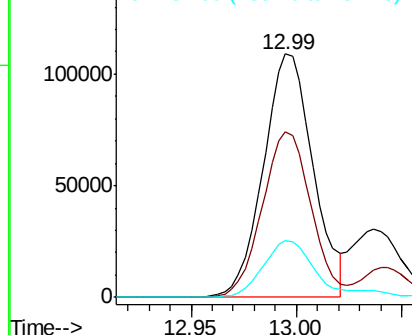
Tot Ion:	119	Resp:	178700
Ion Ratio	Lower	Upper	
119	100		
91	66.9	33.2	99.6
134	25.5	12.7	38.1

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Abundance Ion 119.00 (118.70 to 119.70): V
150000 Ion 91.00 (90.70 to 91.70): VN
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 13.143 ug/l

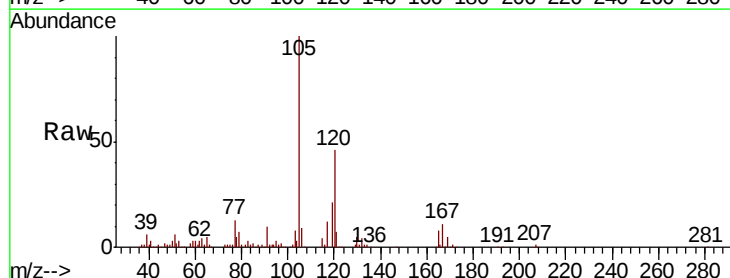
RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

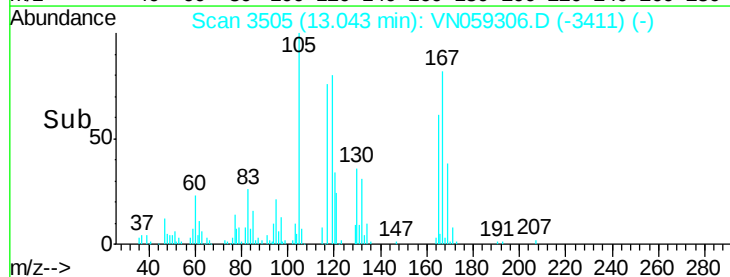
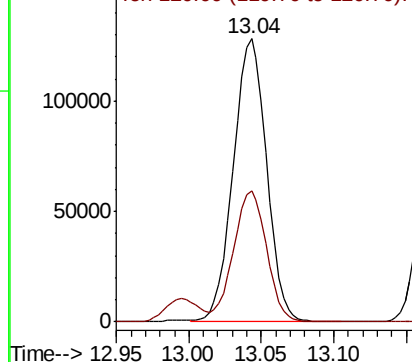
Lab File: VN059306.D

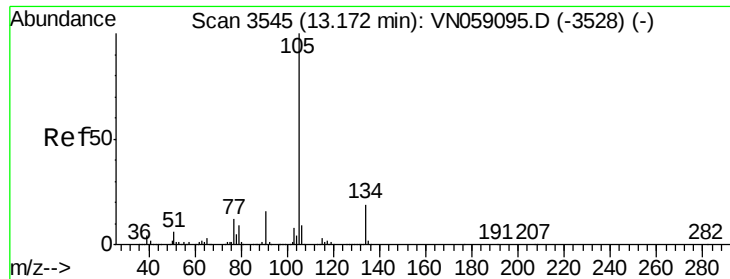
Acq: 19 Nov 2019 14:55

Tgt Ion:	105	Resp:	203540
Ion Ratio	Lower	Upper	
105	100		
120	46.1	22.8	68.4



Abundance Ion 105.00 (104.70 to 105.70): V
150000 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 13.355 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS03

Tot Ion:105 Resp: 240095

Ion Ratio Lower Upper

105 100

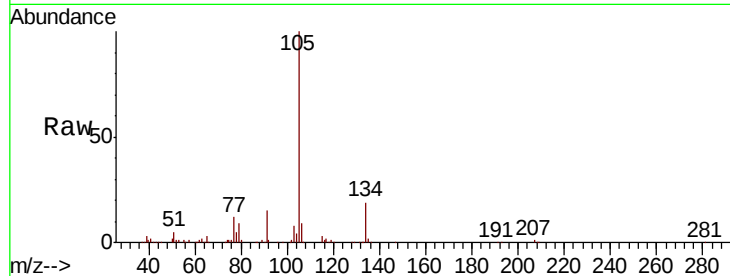
134 19.6 9.7 29.1

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

150000

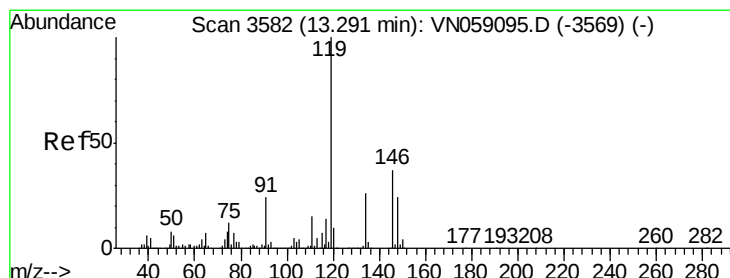
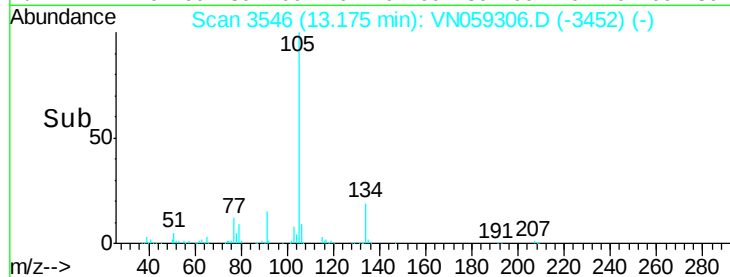
100000

50000

0

13.10 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 13.445 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

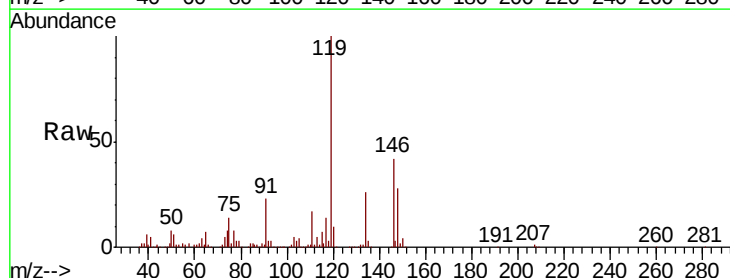
Tgt Ion:119 Resp: 213422

Ion Ratio Lower Upper

119 100

134 25.6 13.0 38.9

91 23.2 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

150000

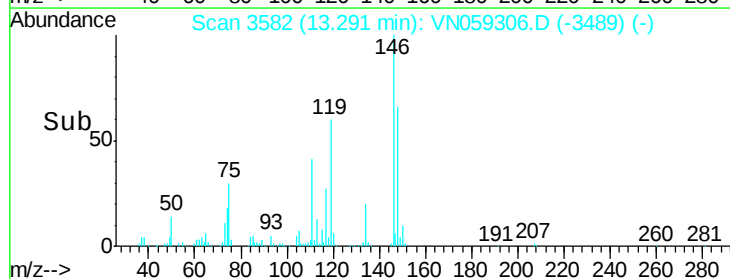
100000

50000

0

13.25 13.30 13.35

Time-->





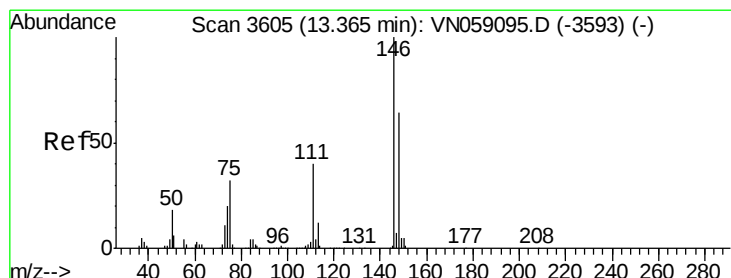
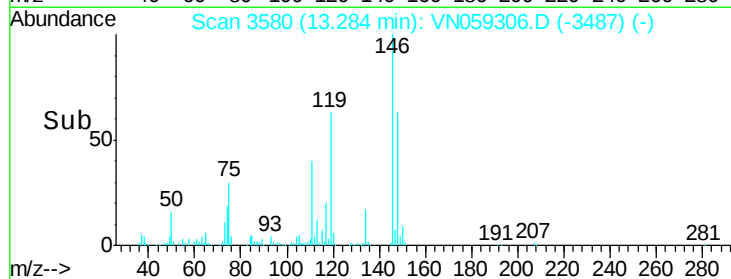
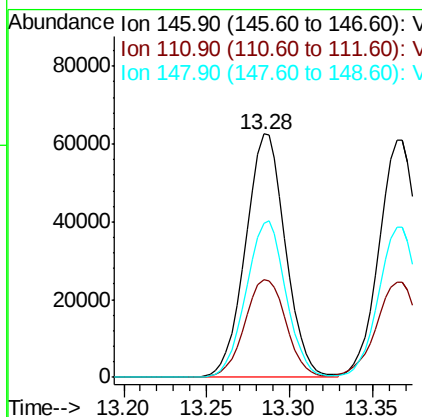
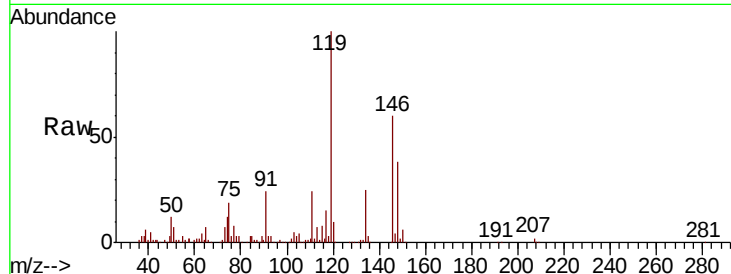
#87
 1,3-Dichlorobenzene
 Concen: 12.921 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN059306.D
 Acq: 19 Nov 2019 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119MBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.4	61.3
148	64.1	32.2	96.6

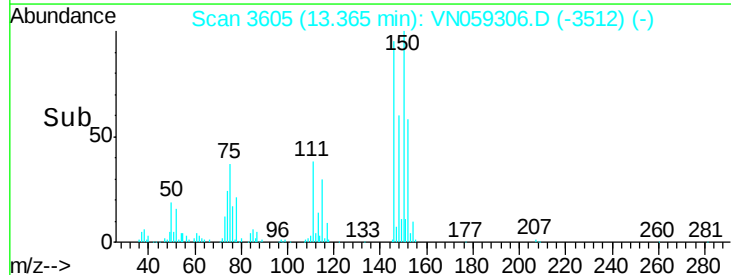
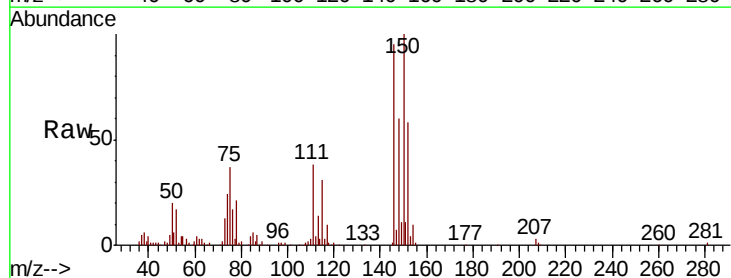
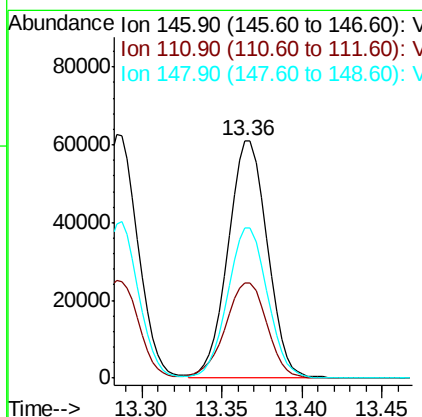
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#88
 1,4-Dichlorobenzene
 Concen: 12.513 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN059306.D
 Acq: 19 Nov 2019 14:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	20.3	60.9
148	64.0	31.9	95.7





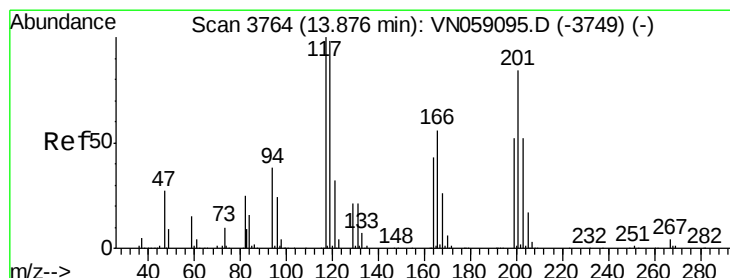
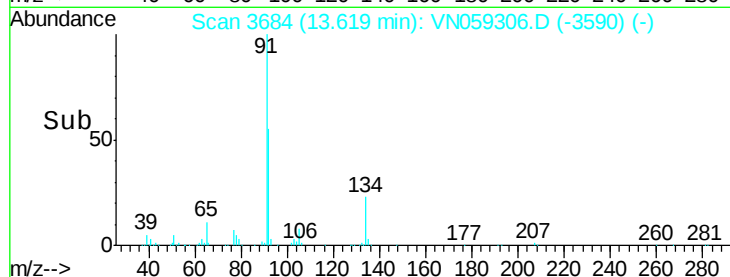
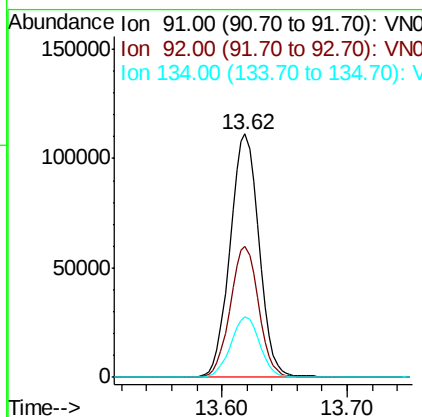
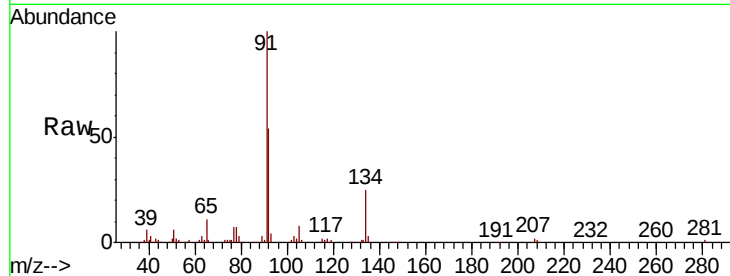
#89
n-Butylbenzene
Concen: 12.836 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS03

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.1	78.3
134	25.0	12.6	37.8

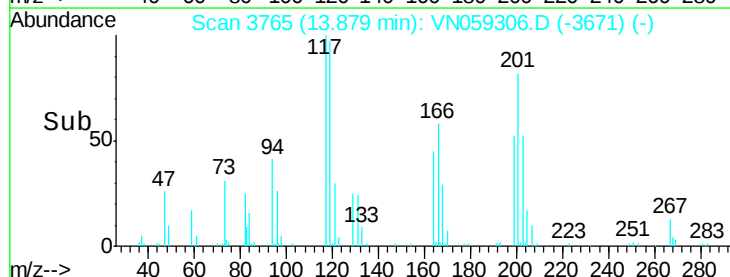
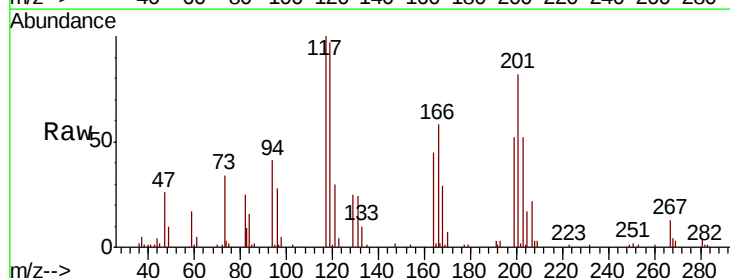
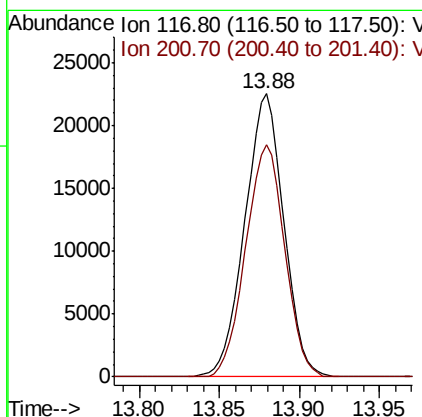
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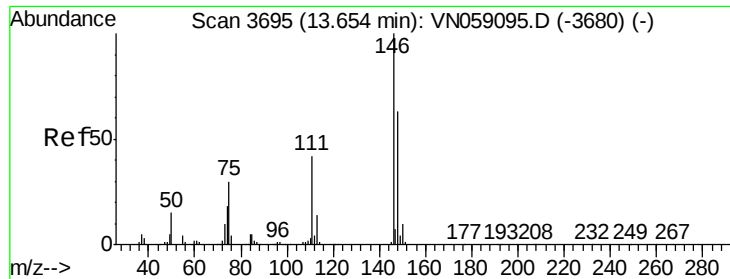
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#90
Hexachloroethane
Concen: 11.792 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059306.D
Acq: 19 Nov 2019 14:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.0	41.8	125.3





#91

1,2-Dichlorobenzene

Concen: 12.751 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

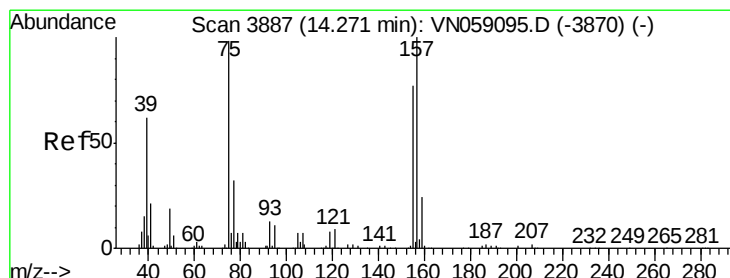
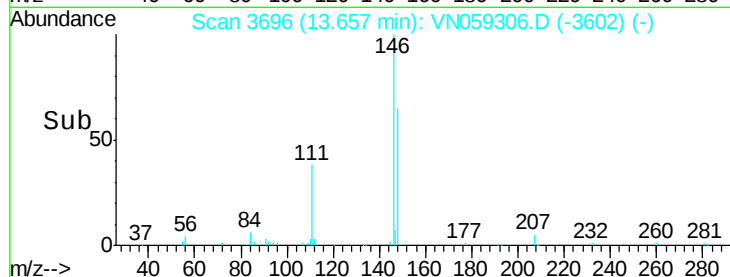
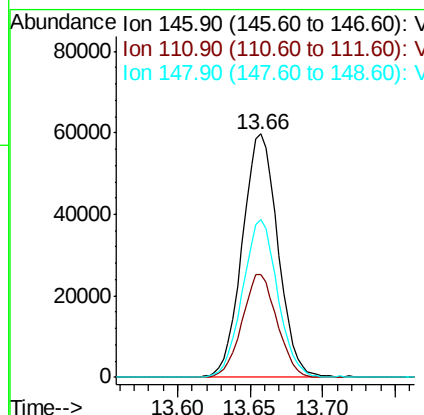
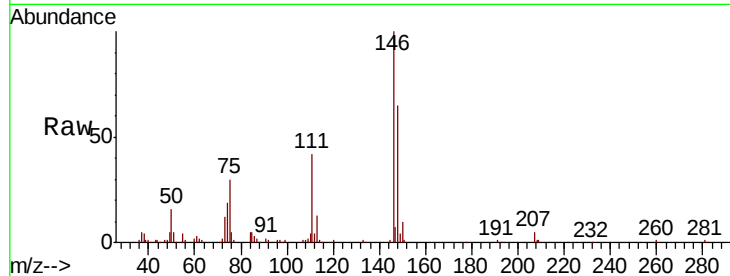
ClientSampleId :

VN1119MBS03

Tot Ion:	146	Resp:	101943
Ion Ratio	Lower	Upper	
146	100		
111	41.5	21.2	63.6
148	63.9	31.6	94.7

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 12.000 ug/l

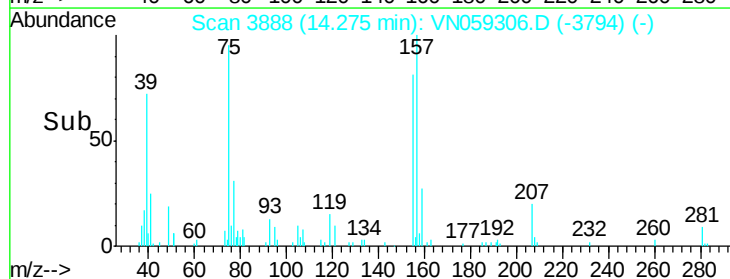
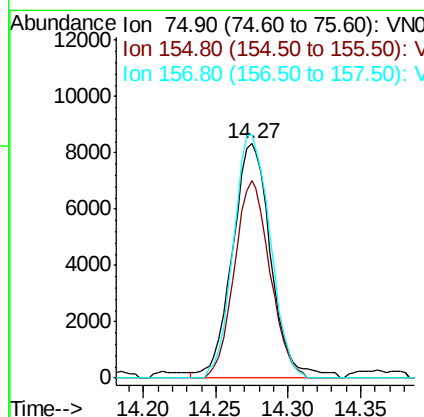
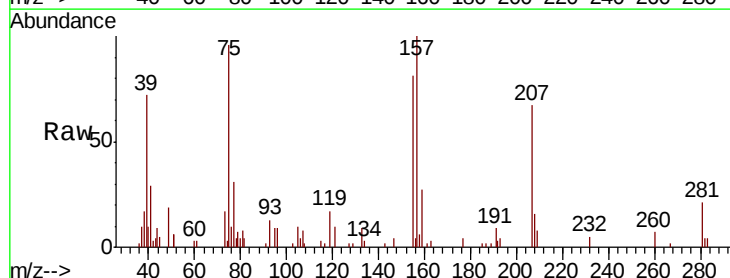
RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Tgt Ion:	75	Resp:	15376
Ion Ratio	Lower	Upper	
75	100		
155	77.7	40.2	120.6
157	98.9	51.8	155.5





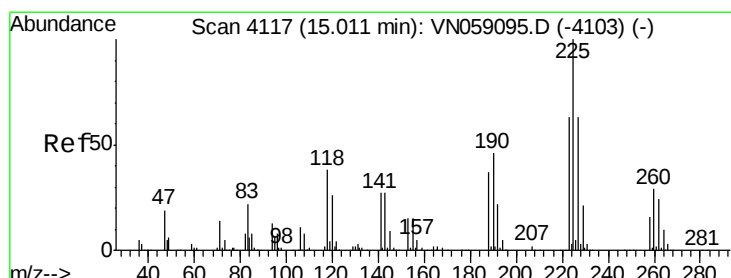
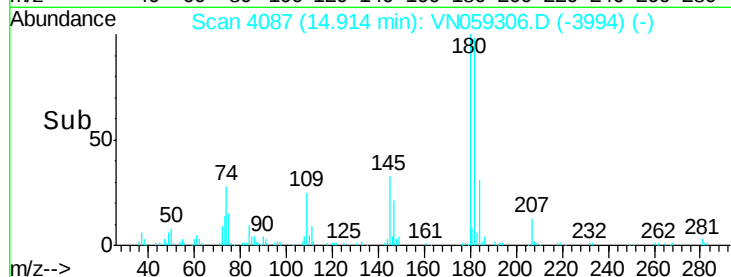
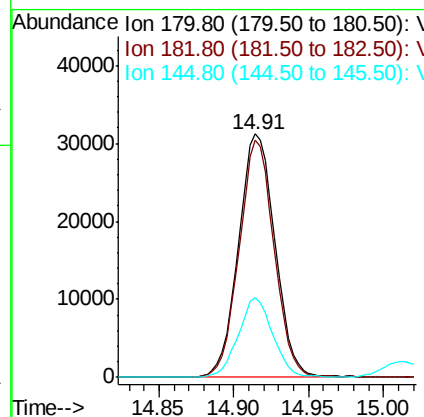
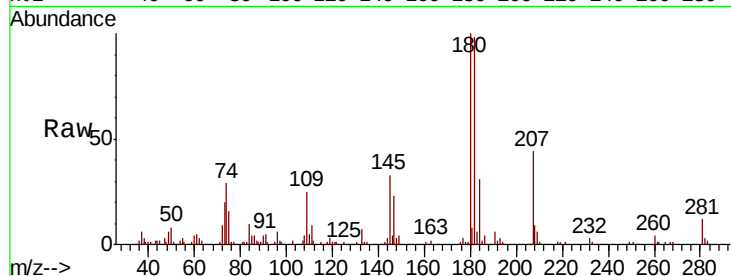
#93
 1,2,4-Trichlorobenzene
 Concen: 13.326 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059306.D
 Acq: 19 Nov 2019 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119MBS03

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.2	48.1	144.3
145	31.1	15.1	45.3

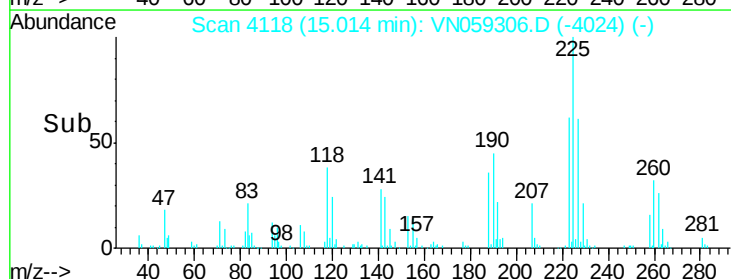
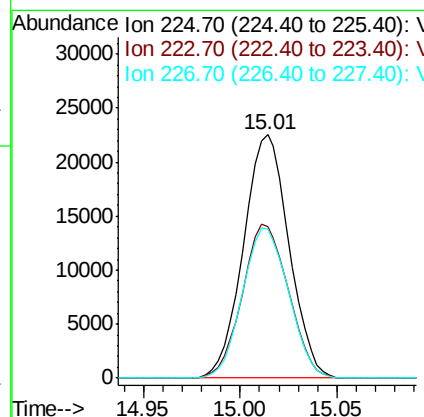
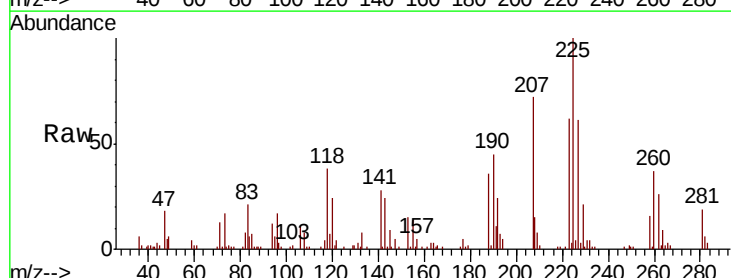
Manual Integrations
 APPROVED

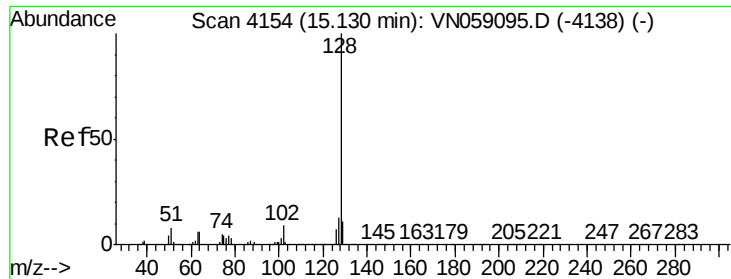
MMDadoda
 11/20/2019 1:37:13 PM



#94
 Hexachlorobutadiene
 Concen: 13.371 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059306.D
 Acq: 19 Nov 2019 14:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.3	93.9
227	62.6	31.5	94.5





#95

Naphthalene

Concen: 12.901 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Instrument :

MSVOA_N

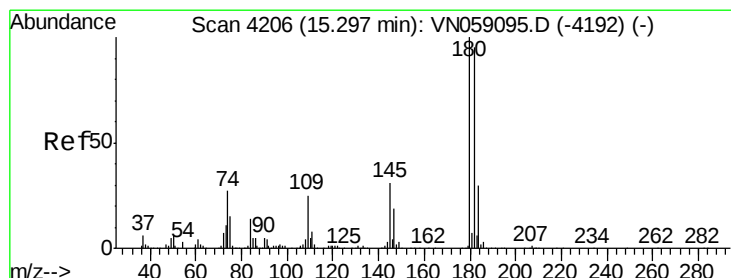
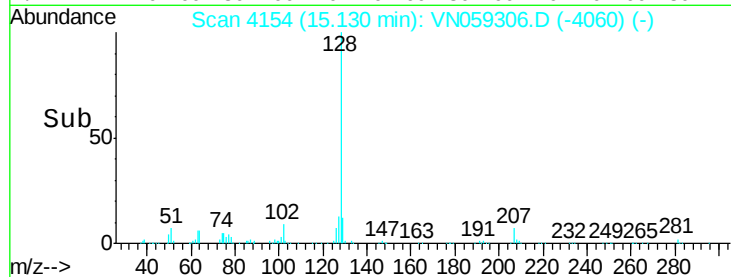
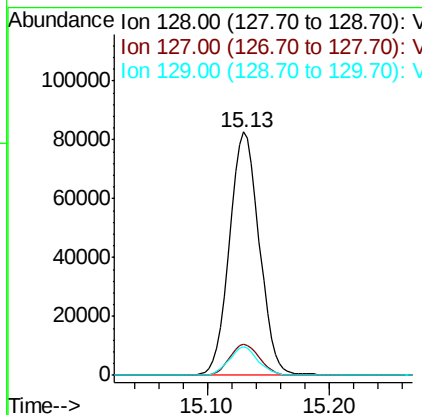
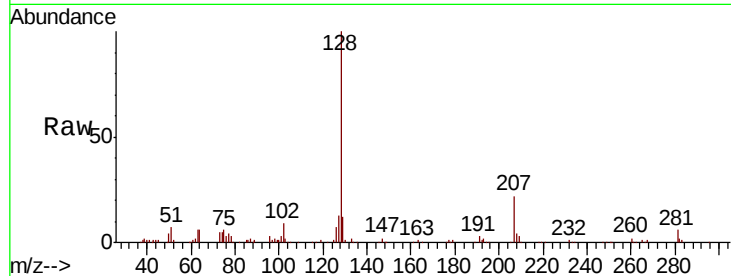
ClientSampleId :

VN1119MBS03

Tot Ion:	128	Resp:	141243
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.2
129	11.4	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/20/2019 1:37:13 PM



#96

1,2,3-Trichlorobenzene

Concen: 12.135 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN059306.D

Acq: 19 Nov 2019 14:55

Tgt Ion:	180	Resp:	54372
Ion Ratio	Lower	Upper	
180	100		
182	91.6	47.3	141.8
145	32.2	15.8	47.3

