

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121819\
 Data File : VN059651.D
 Acq On : 18 Dec 2019 16:04
 Operator : JC/SP
 Sample : VN1218MBS02
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBS02

Manual Integrations
 APPROVED

MMDadoda
 12/19/2019 11:11:57 AM

Quant Time: Dec 19 05:40:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	241126	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	392608	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	355575	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	161814	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	180140	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
35) Dibromofluoromethane	7.57	113	124108	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
50) Toluene-d8	10.08	98	488227	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
62) 4-Bromofluorobenzene	12.40	95	171607	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	53294	17.104	ug/l	98
3) Chloromethane	2.04	50	80799	16.341	ug/l	99
4) Vinyl Chloride	2.17	62	75221	16.042	ug/l	98
5) Bromomethane	2.54	94	51169	18.772	ug/l	97
6) Chloroethane	2.68	64	51710	19.622	ug/l	99
7) Trichlorofluoromethane	3.00	101	100007	19.439	ug/l	99
8) Diethyl Ether	3.38	74	31182	19.399	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	48593	18.743	ug/l	99
10) Methyl Iodide	3.92	142	60536	17.638	ug/l	99
11) Tert butyl alcohol	4.75	59	56617	88.015	ug/l	99
12) 1,1-Dichloroethene	3.71	96	45322	17.920	ug/l	96
13) Acrolein	3.58	56	31796	69.390	ug/l	99
14) Allyl chloride	4.29	41	93353	17.981	ug/l	100
15) Acrylonitrile	4.95	53	148011	95.124	ug/l	99
16) Acetone	3.79	43	150535	72.262	ug/l	99
17) Carbon Disulfide	4.02	76	140301	16.741	ug/l	99
18) Methyl Acetate	4.29	43	80267	18.388	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	170712	19.117	ug/l	99
20) Methylene Chloride	4.52	84	57455	19.097	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	50867	18.042	ug/l	97
22) Diisopropyl ether	5.91	45	192319	20.093	ug/l	92
23) Vinyl Acetate	5.86	43	800975	106.633	ug/l	99
24) 1,1-Dichloroethane	5.81	63	106028	19.555	ug/l	100
25) 2-Butanone	6.81	43	216356	86.853	ug/l	99
26) 2,2-Dichloropropane	6.80	77	93164	18.906	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	58673	18.780	ug/l	97
28) Bromochloromethane	7.17	49	44300	19.731	ug/l	99
29) Tetrahydrofuran	7.18	42	144385	95.130	ug/l	98
30) Chloroform	7.35	83	103569	19.406	ug/l	97
31) Cyclohexane	7.63	56	94564	18.458	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	87710	18.229	ug/l	99
36) 1,1-Dichloropropene	7.77	75	76353	18.649	ug/l	98
37) Ethyl Acetate	6.90	43	90567	19.032	ug/l	99
38) Carbon Tetrachloride	7.75	117	77331	18.202	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	83639	18.009	ug/l	98
40) Benzene	8.02	78	225937	18.883	ug/l	99
41) Methacrylonitrile	7.15	41	39131m	19.925	ug/l	
42) 1,2-Dichloroethane	8.10	62	90410	19.731	ug/l	99
43) Isopropyl Acetate	8.14	43	139969	18.919	ug/l #	93
44) Trichloroethene	8.82	130	57273	18.274	ug/l	95
45) 1,2-Dichloropropane	9.10	63	62318	19.287	ug/l	98
46) Dibromomethane	9.19	93	40554	19.158	ug/l	99
47) Bromodichloromethane	9.39	83	82273	19.494	ug/l	99
48) Methyl methacrylate	9.18	41	60503	18.025	ug/l	99
49) 1,4-Dioxane	9.18	88	19281	400.824	ug/l	95
51) 4-Methyl-2-Pentanone	9.97	43	432937	98.146	ug/l	99
52) Toluene	10.14	92	137257	18.670	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	91630	18.773	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	99037	19.303	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	56748	19.671	ug/l	98
56) Ethyl methacrylate	10.42	69	78611	18.355	ug/l	99
57) 1,3-Dichloropropane	10.70	76	98259	19.562	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	157066	115.313	ug/l	99
59) 2-Hexanone	10.74	43	315499	90.750	ug/l	99
60) Dibromochloromethane	10.89	129	59588	18.925	ug/l	98
61) 1,2-Dibromoethane	10.99	107	57719	18.865	ug/l	97
64) Tetrachloroethene	10.62	164	55469	16.734	ug/l	99
65) Chlorobenzene	11.43	112	142879	18.571	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	55175	18.880	ug/l	99
67) Ethyl Benzene	11.50	91	257945	18.574	ug/l	100
68) m/p-Xylenes	11.62	106	189315	36.916	ug/l	98
69) o-Xylene	11.94	106	88857	18.210	ug/l	98
70) Styrene	11.96	104	142107	18.126	ug/l	99
71) Bromoform	12.12	173	40829	18.586	ug/l #	97
73) Isopropylbenzene	12.25	105	238284	18.759	ug/l	100
74) N-amyl acetate	12.06	43	108744	18.663	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	78991	19.604	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	78517m	19.601	ug/l	
77) Bromobenzene	12.52	156	58249	18.647	ug/l	99
78) n-propylbenzene	12.59	91	286091	19.053	ug/l	99
79) 2-Chlorotoluene	12.67	91	170857	18.818	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	201546	18.749	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	29482	18.178	ug/l	96
82) 4-Chlorotoluene	12.77	91	173149	18.625	ug/l	100
83) tert-Butylbenzene	12.99	119	164849	18.109	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	206260	19.297	ug/l	98
85) sec-Butylbenzene	13.17	105	226472	18.702	ug/l	98
86) p-Isopropyltoluene	13.28	119	201001	18.327	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	102483	17.841	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	102826	17.755	ug/l	98
89) n-Butylbenzene	13.61	91	182364	17.736	ug/l	100
90) Hexachloroethane	13.87	117	39705	19.153	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	102464	18.087	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19212	18.131	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	61015	16.679	ug/l	99
94) Hexachlorobutadiene	15.00	225	33057	17.716	ug/l	98
95) Naphthalene	15.12	128	177670	16.269	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	62288	16.835	ug/l	99

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

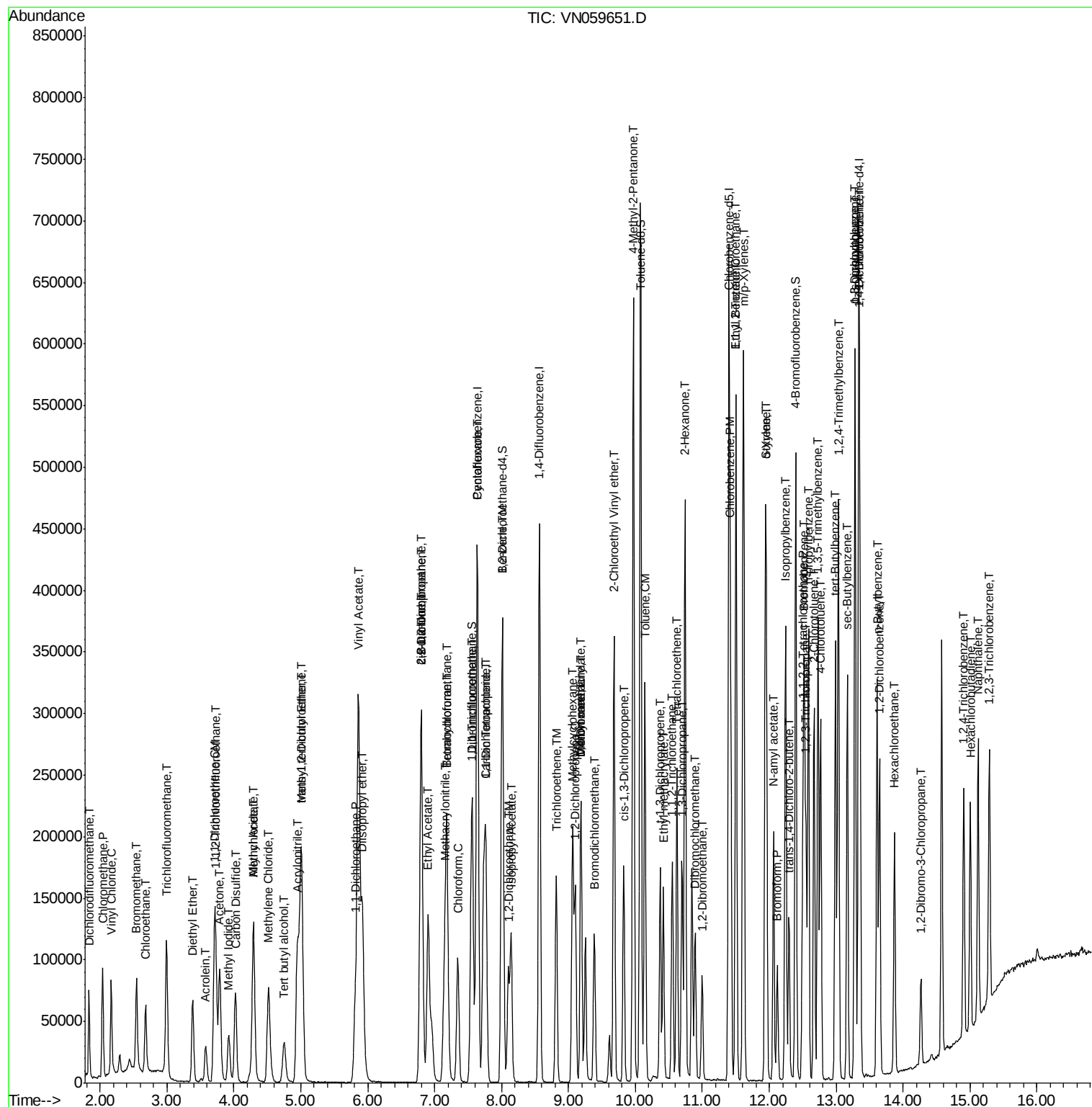
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Data File : VN059651.D
Acq On : 18 Dec 2019 16:04
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Sample : VN1218MBS02
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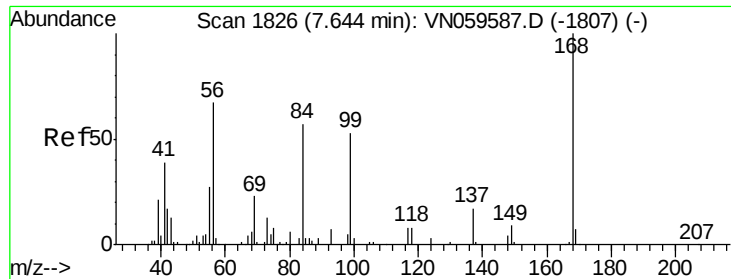
Instrument :
MSVOA_N
Client Sample Id :
VN1218MBS02

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS02

Tot Ion:168 Resp: 241126

Ion Ratio Lower Upper

168 100

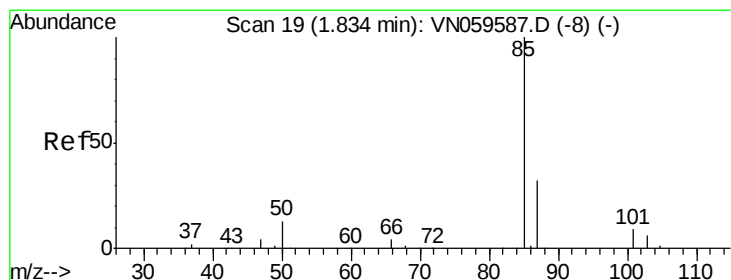
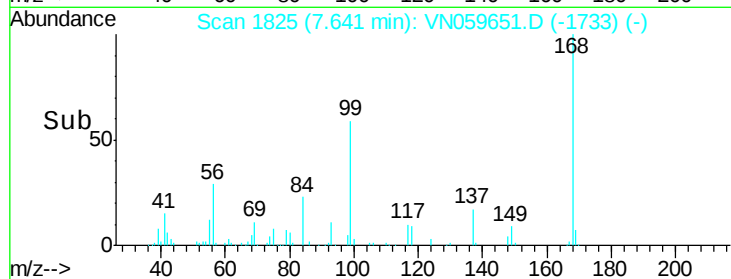
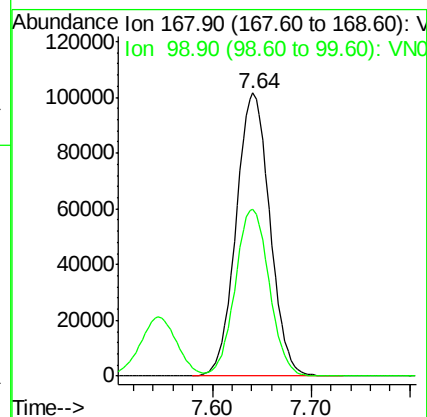
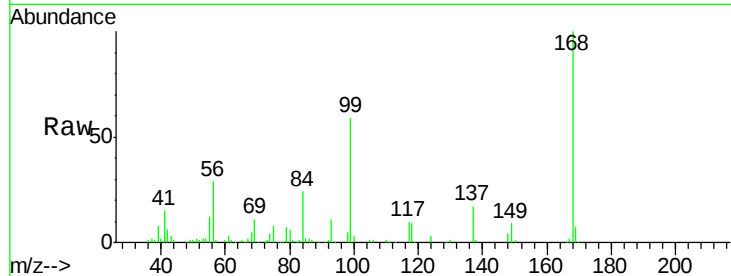
99 58.6 48.2 72.4

Manual Integrations

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12/19/2019 11:11:57 AM



#2

Dichlorodifluoromethane

Concen: 17.104 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059651.D

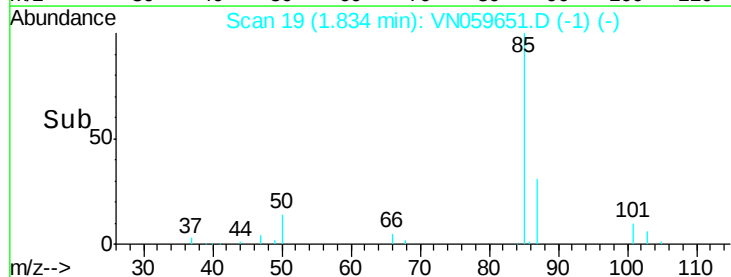
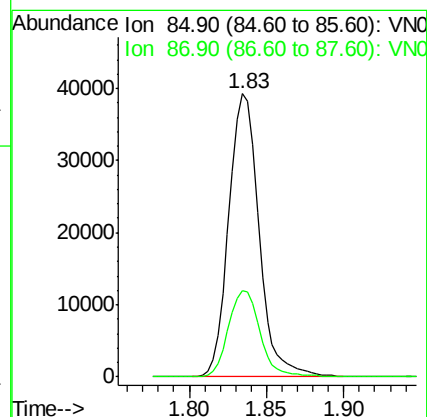
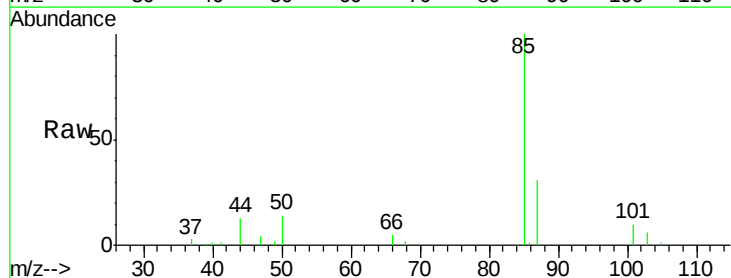
Acq: 18 Dec 2019 16:04

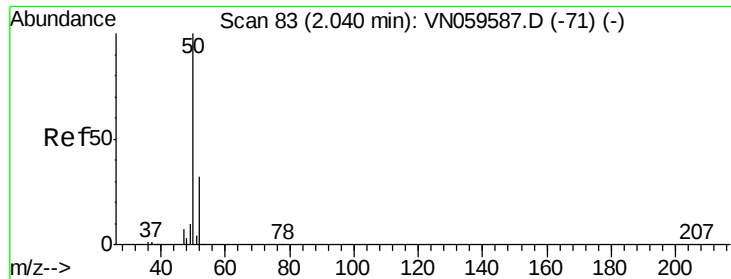
Tgt Ion: 85 Resp: 53294

Ion Ratio Lower Upper

85 100

87 30.7 15.9 47.7





#3

Chloromethane

Concen: 16.341 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS02

Tot Ion: 50 Resp: 80799

Ion Ratio Lower Upper

50 100

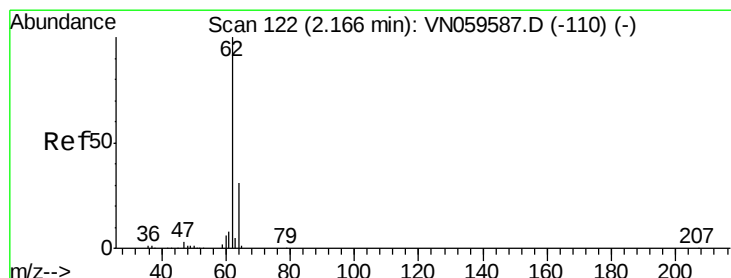
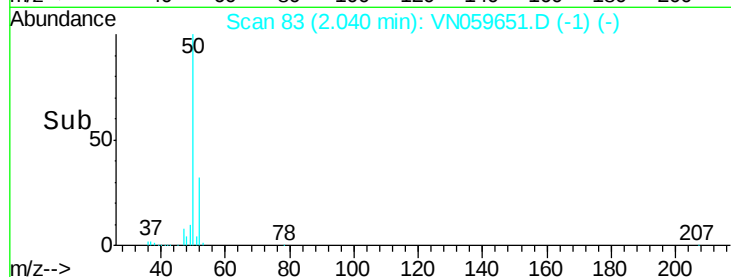
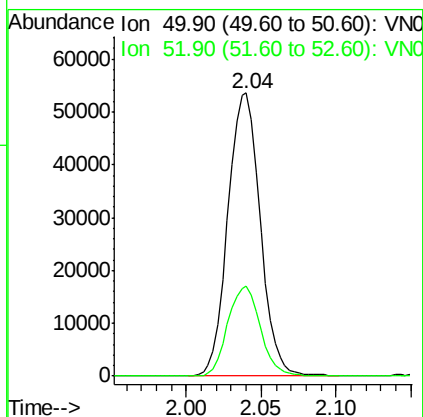
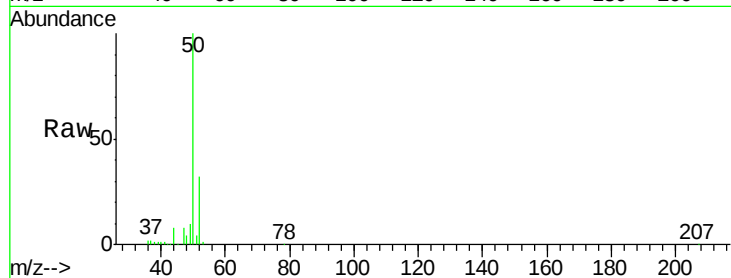
52 31.7 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.042 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN059651.D

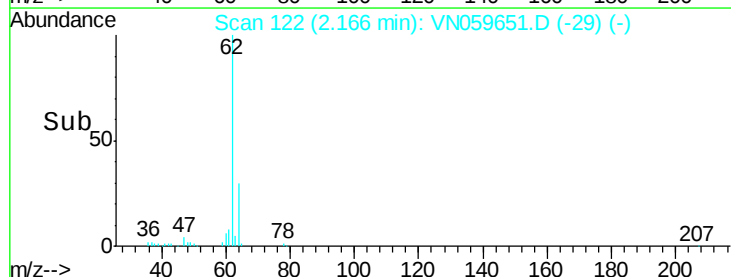
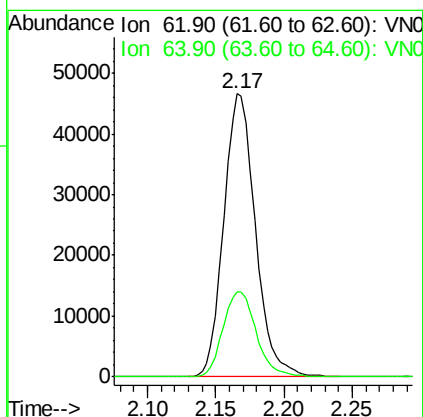
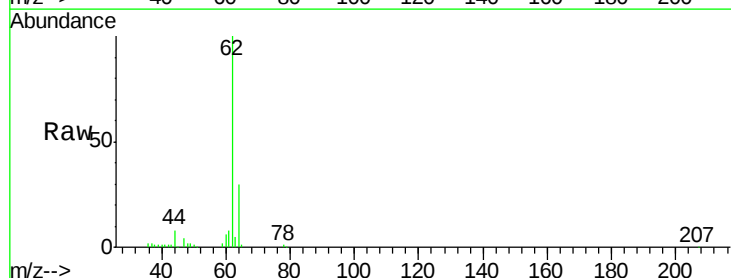
Acq: 18 Dec 2019 16:04

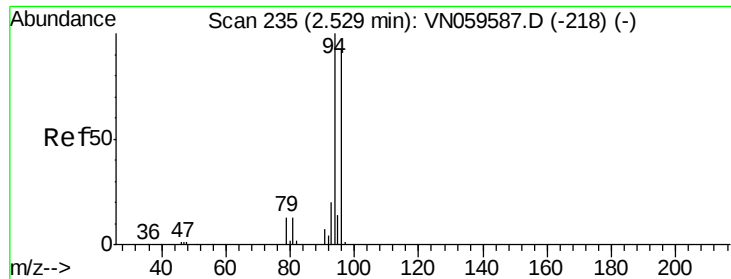
Tgt Ion: 62 Resp: 75221

Ion Ratio Lower Upper

62 100

64 29.9 24.6 37.0





#5

Bromomethane

Concen: 18.772 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS02

Tot Ion: 94 Resp: 51169

Ion Ratio Lower Upper

94 100

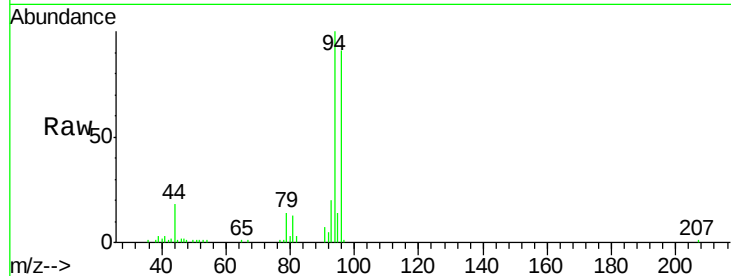
96 90.6 74.7 112.1

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

30000

25000

20000

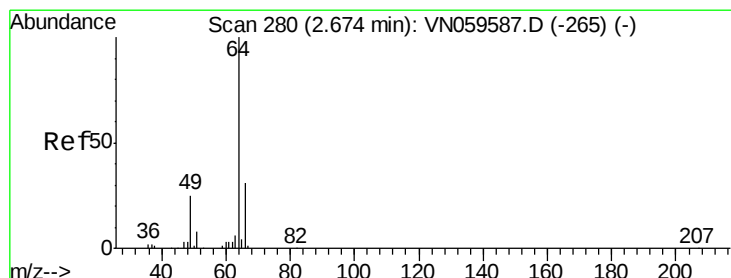
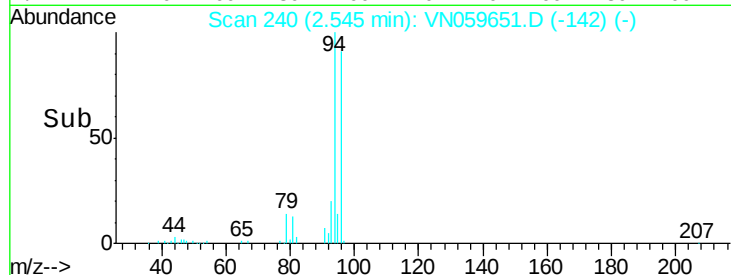
15000

10000

5000

0

Time--> 2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 19.622 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.01 min

Lab File: VN059651.D

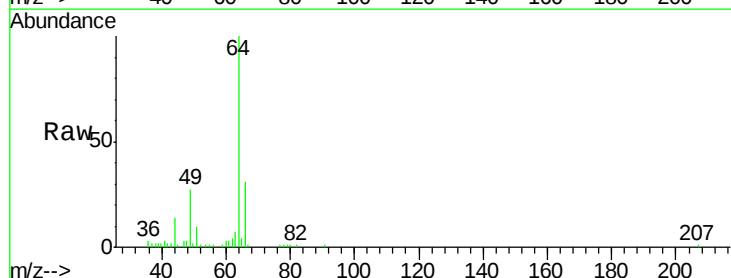
Acq: 18 Dec 2019 16:04

Tgt Ion: 64 Resp: 51710

Ion Ratio Lower Upper

64 100

66 31.1 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

30000

25000

20000

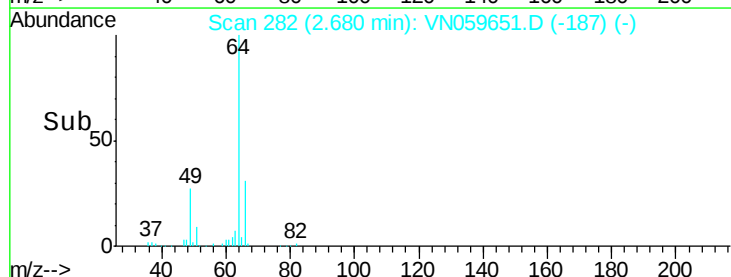
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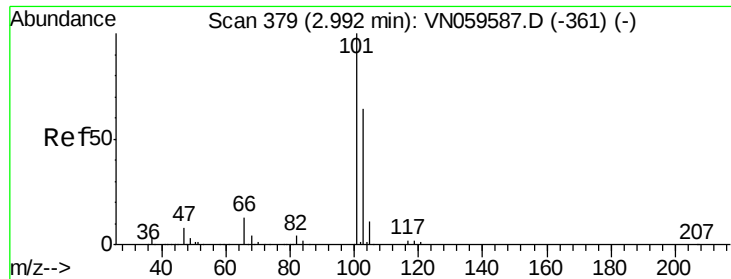
10000

5000

0

Time--> 2.60 2.65 2.70 2.75 2.80





#7

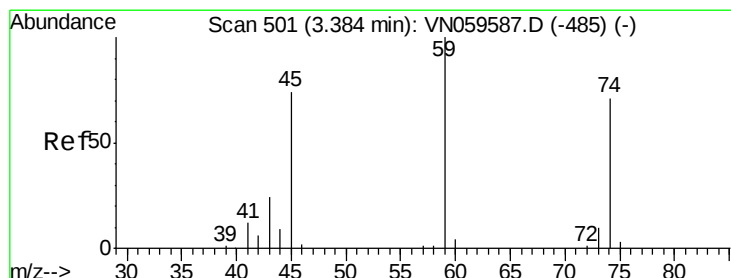
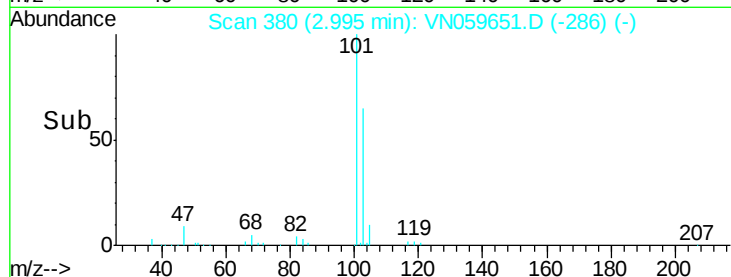
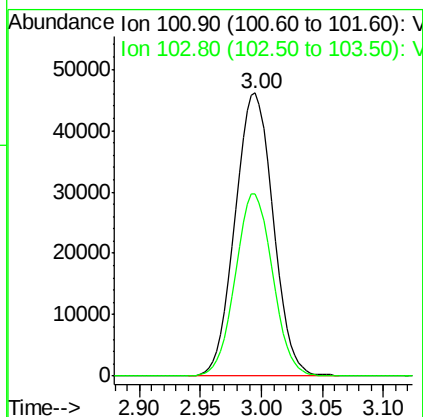
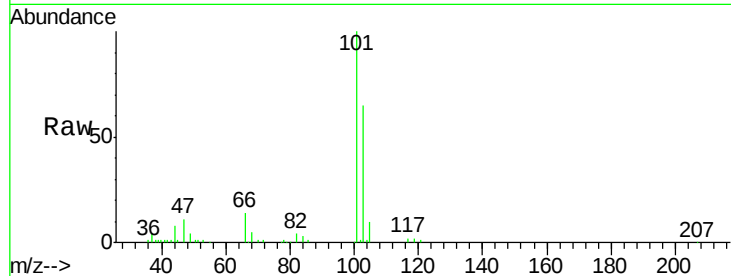
Trichlorofluoromethane
 Concen: 19.439 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VN059651.D
 Acq: 18 Dec 2019 16:04

Instrument :
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 ClientSampleId :
 VN1218MBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.0	76.6

Manual Integrations
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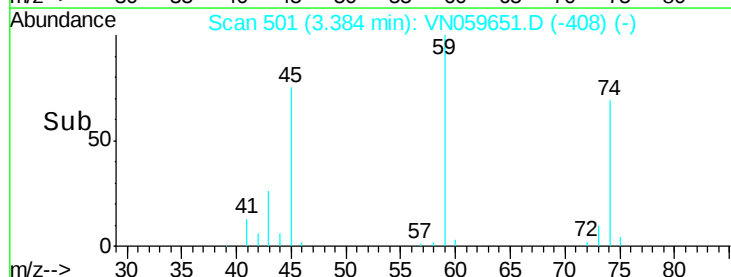
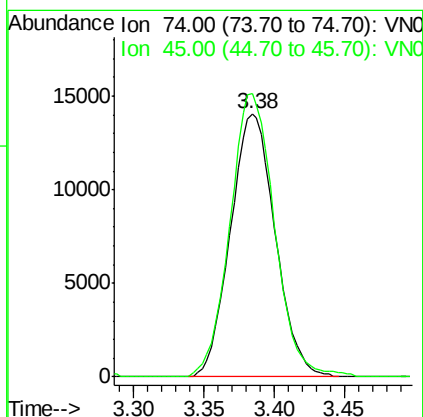
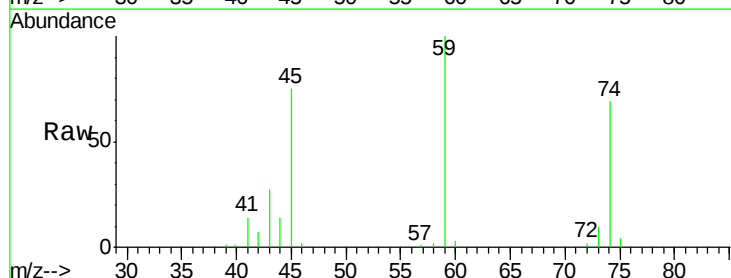
MMDadoda
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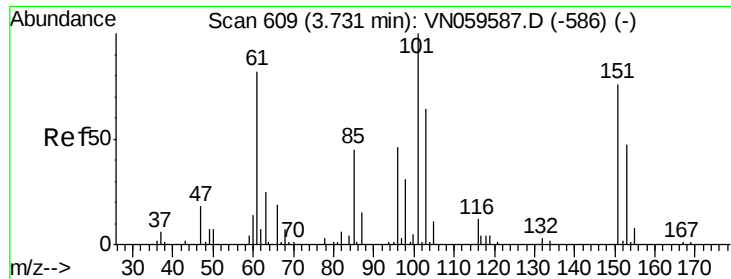


#8

Diethyl Ether
 Concen: 19.399 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059651.D
 Acq: 18 Dec 2019 16:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.4	51.9	155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.743 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :

MSVOA_N

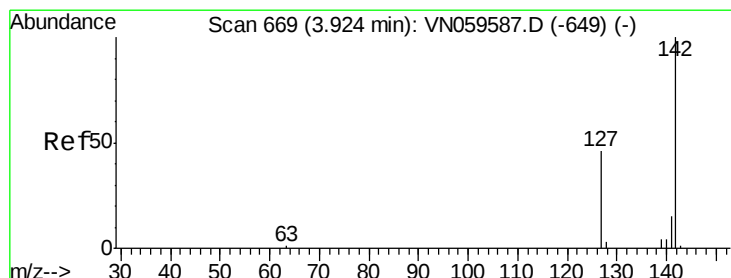
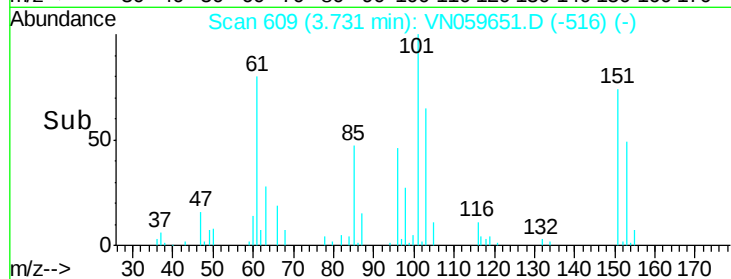
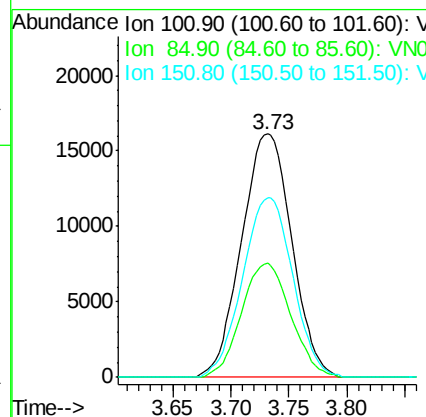
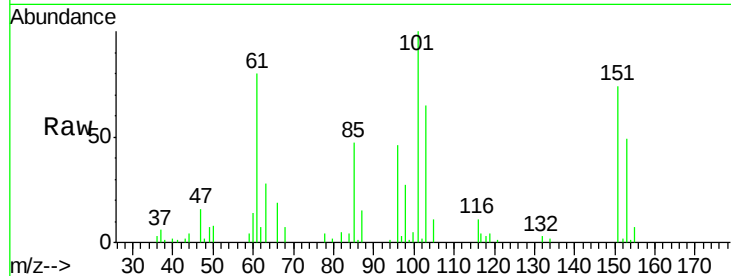
ClientSampleId :

VN1218MBS02

Tot Ion:	101	Resp:	48593
Ion Ratio	Lower	Upper	
101	100		
85	46.0	36.6	54.8
151	73.8	59.7	89.5

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#10

Methyl Iodide

Concen: 17.638 ug/l

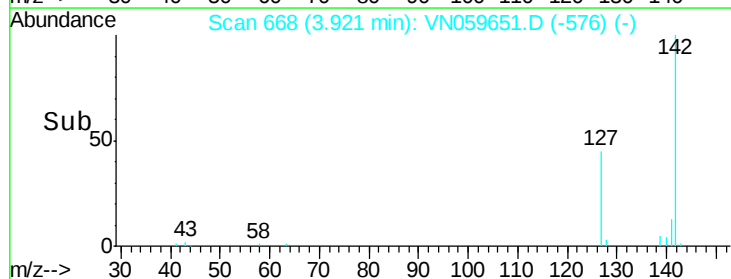
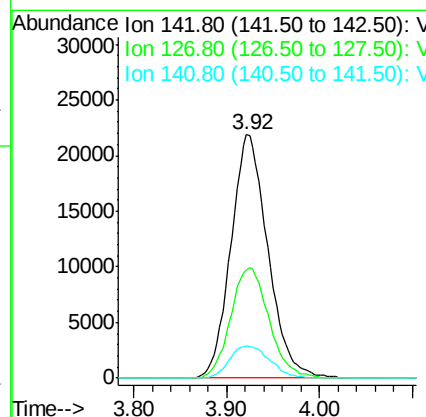
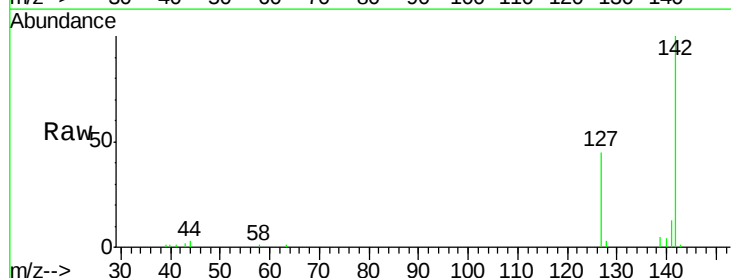
RT: 3.92 min Scan# 668

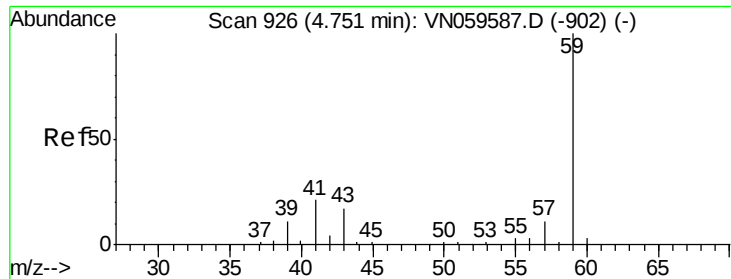
Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Tgt Ion:	142	Resp:	60536
Ion Ratio	Lower	Upper	
142	100		
127	46.9	36.7	55.1
141	14.3	11.7	17.5





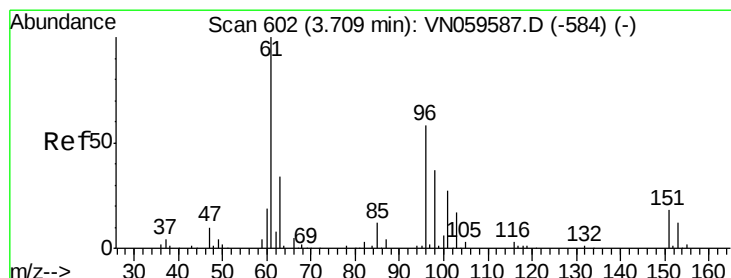
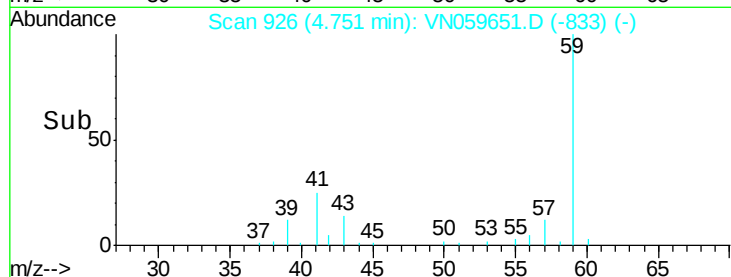
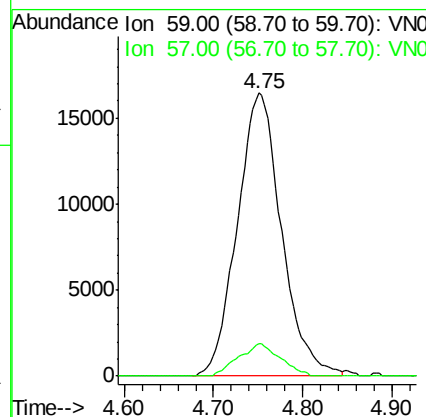
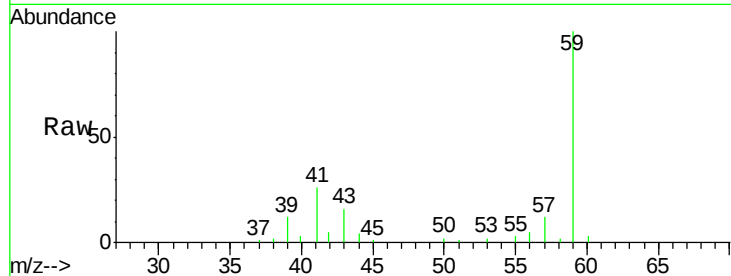
#11
Tert butyl alcohol
Concen: 88.015 ug/l
RT: 4.75 min Scan# 926
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.6	12.8

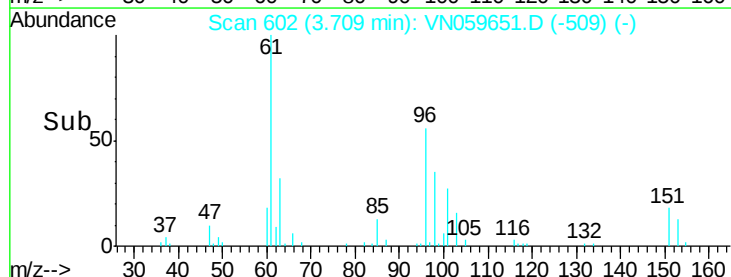
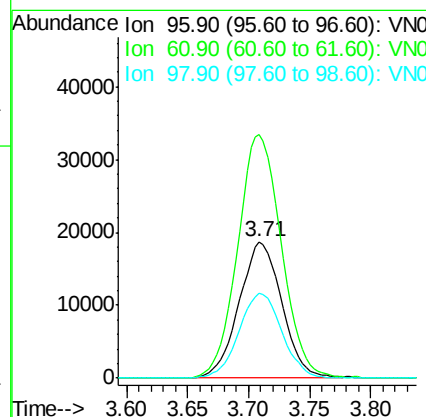
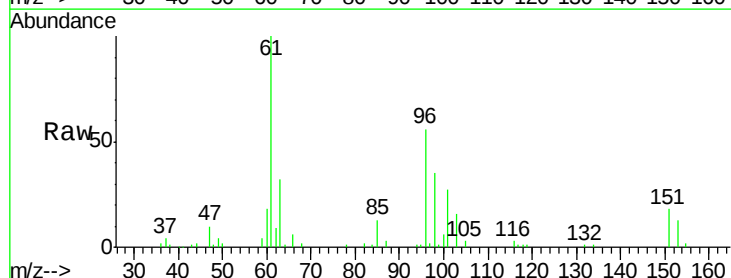
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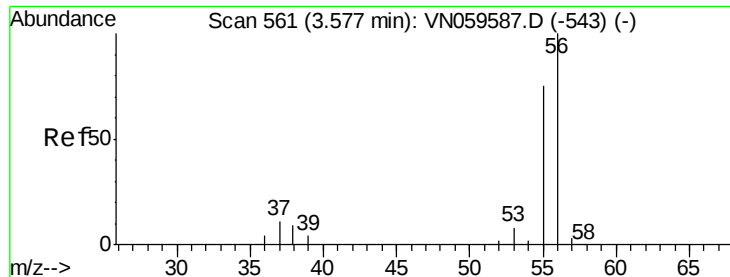
MMDadoda
12/19/2019 11:11:57 AM



#12
1,1-Dichloroethene
Concen: 17.920 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	178.3	137.5	206.3
98	61.9	50.2	75.4





#13

Acrolein

Concen: 69.390 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS02

Tot Ion: 56 Resp: 31796

Ion Ratio Lower Upper

56 100

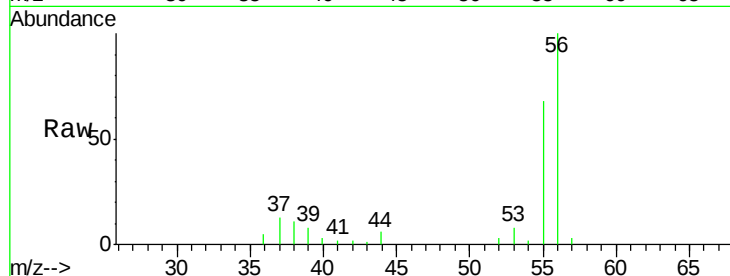
55 72.2 58.6 88.0

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Abundance Ion 56.00 (55.70 to 56.70): VN059651.D (-468) (-)

Ion 55.00 (54.70 to 55.70): VN059651.D (-468) (-)

3.58

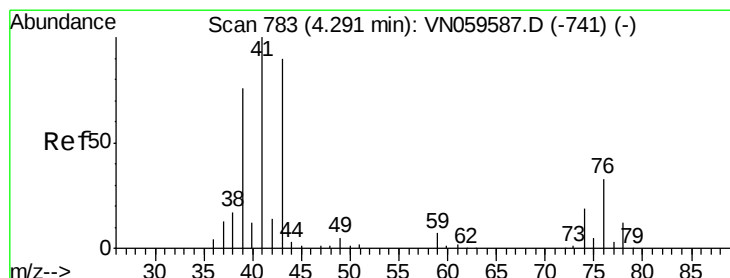
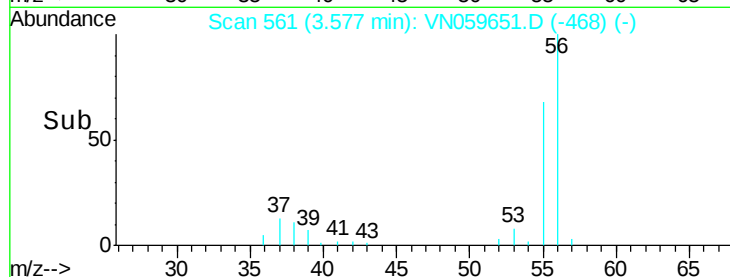
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 17.981 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

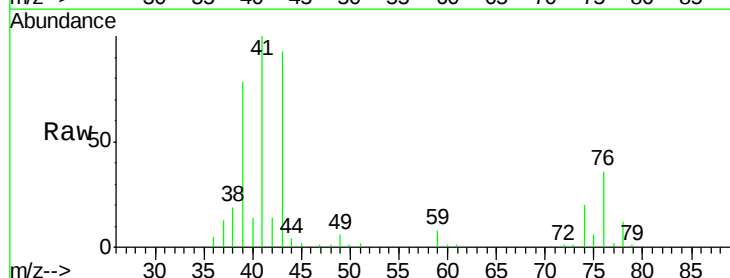
Tgt Ion: 41 Resp: 93353

Ion Ratio Lower Upper

41 100

39 72.3 57.8 86.8

76 31.4 25.4 38.0



Abundance Ion 41.00 (40.70 to 41.70): VN059651.D (-690) (-)

Ion 39.00 (38.70 to 39.70): VN059651.D (-690) (-)

Ion 75.90 (75.60 to 76.60): VN059651.D (-690) (-)

4.29

40000

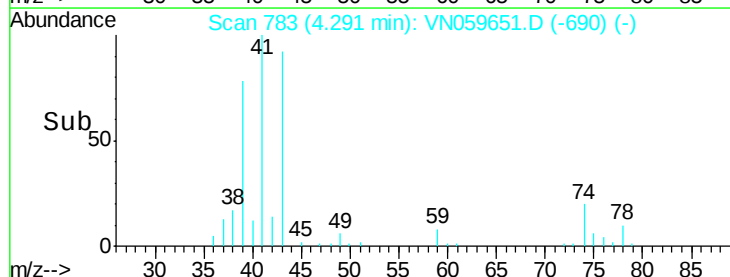
30000

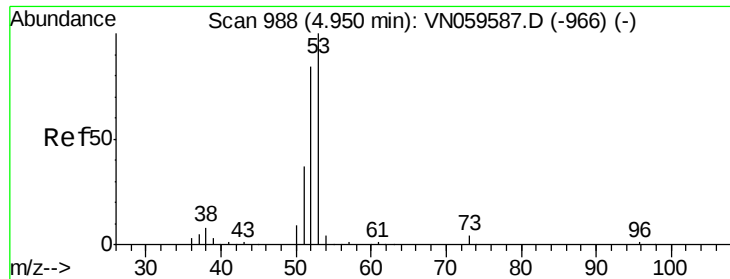
20000

10000

0

Time-->





#15

Acrylonitrile

Concen: 95.124 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :

MSVOA_N

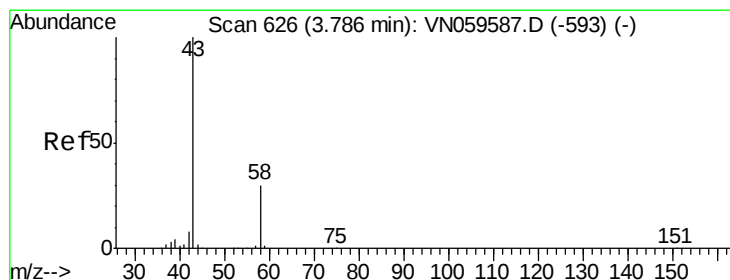
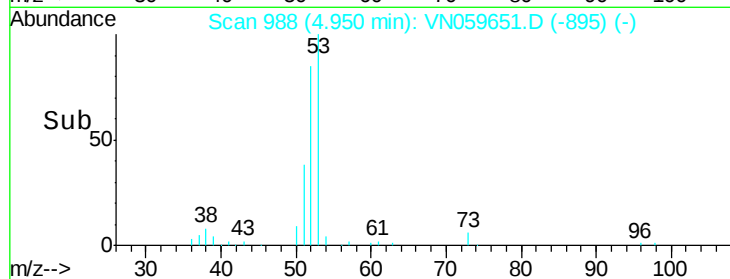
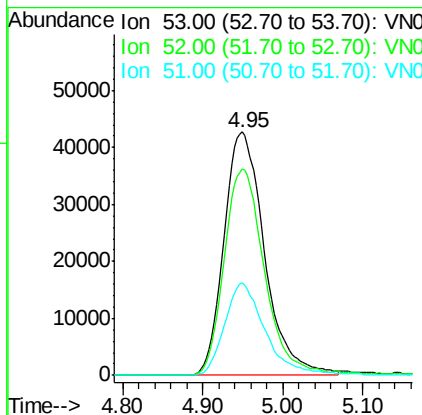
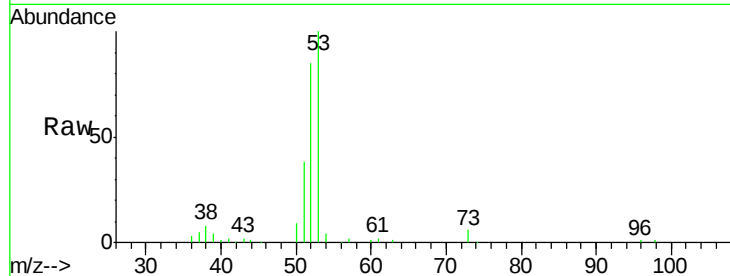
ClientSampleId :

VN1218MBS02

Tot Ion:	53	Resp:	148011
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.3	99.5
51	37.8	29.7	44.5

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#16

Acetone

Concen: 72.262 ug/l

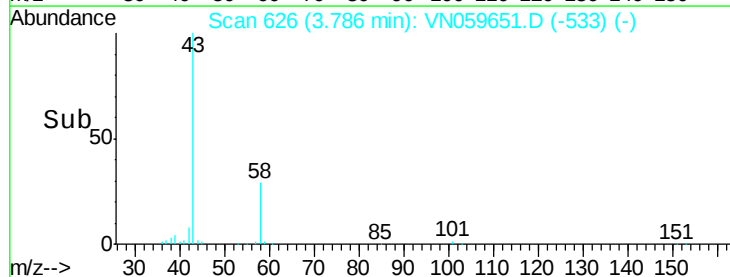
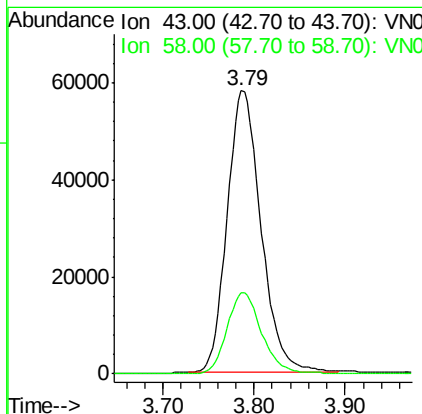
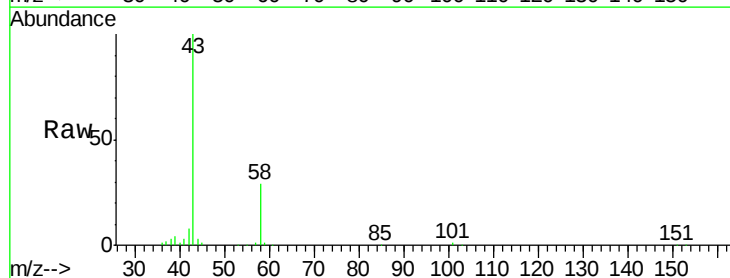
RT: 3.79 min Scan# 626

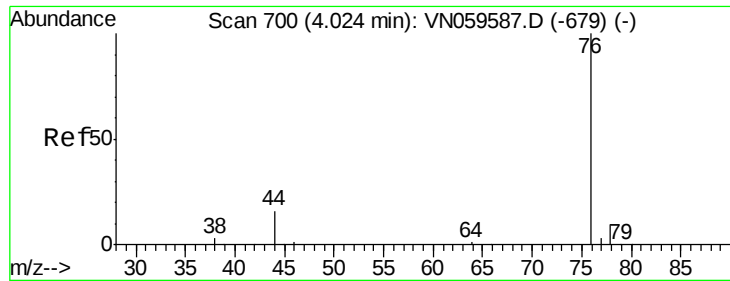
Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Tgt Ion:	43	Resp:	150535
Ion	Ratio	Lower	Upper
43	100		
58	28.8	23.6	35.4





#17

Carbon Disulfide

Concen: 16.741 ug/l

RT: 4.02 min Scan# 700

Delta R.T. 0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Tot Ion: 76 Resp: 140301

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0

Instrument :

MSVOA_N

ClientSampleId :

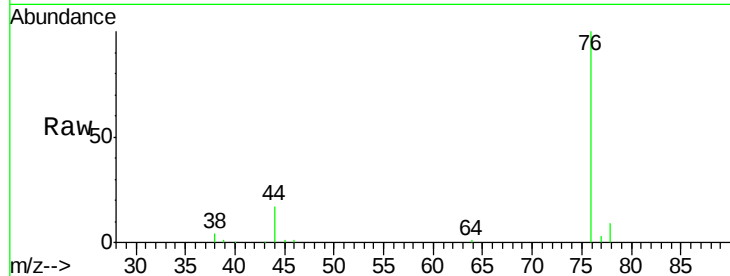
VN1218MBS02

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.02

60000

50000

40000

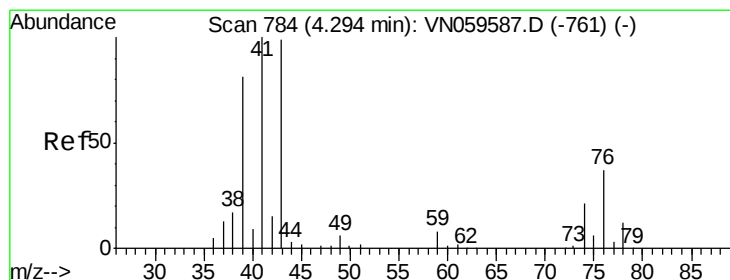
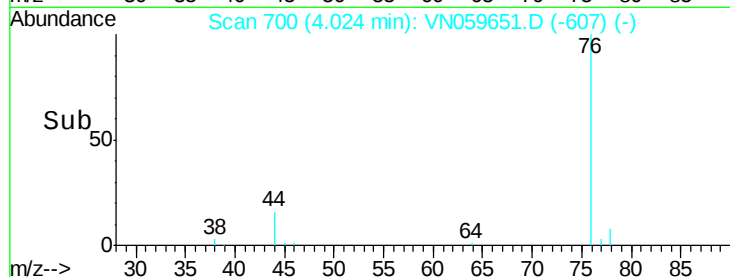
30000

20000

10000

0

Time-->



#18

Methyl Acetate

Concen: 18.388 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059651.D

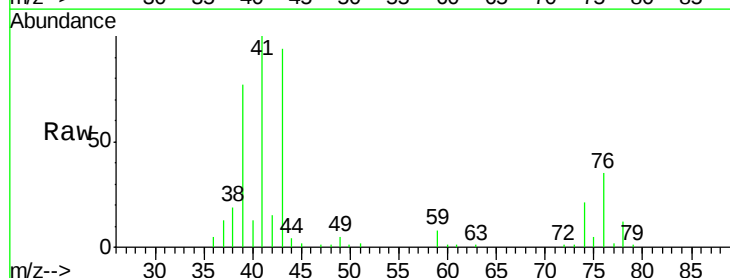
Acq: 18 Dec 2019 16:04

Tgt Ion: 43 Resp: 80267

Ion Ratio Lower Upper

43 100

74 21.5 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

4.29

30000

25000

20000

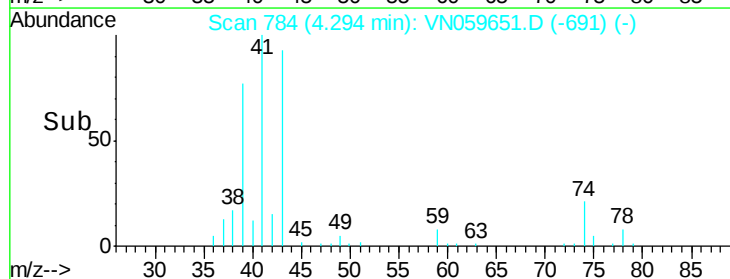
15000

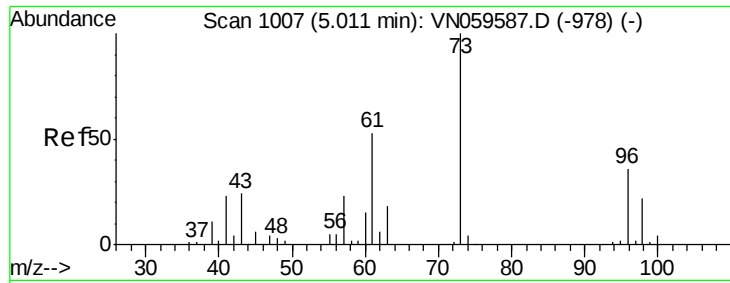
10000

5000

0

Time-->





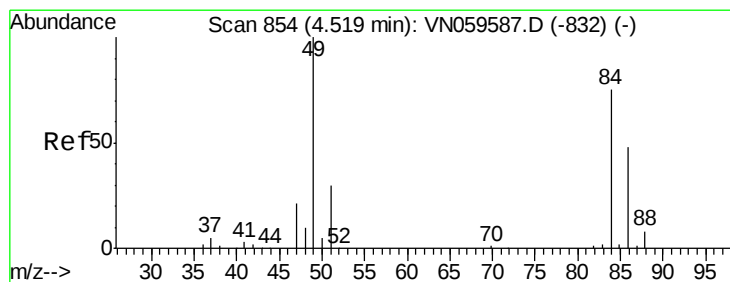
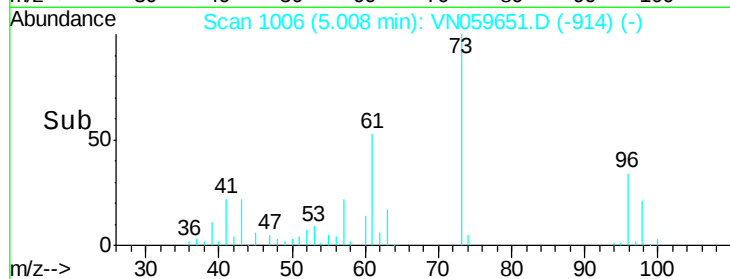
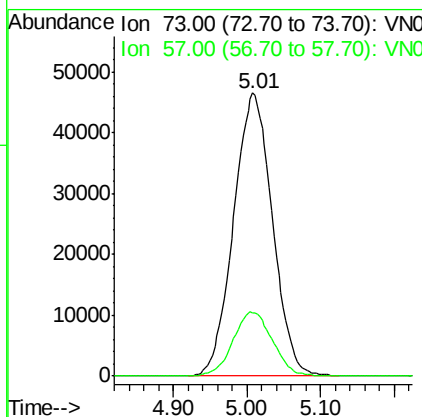
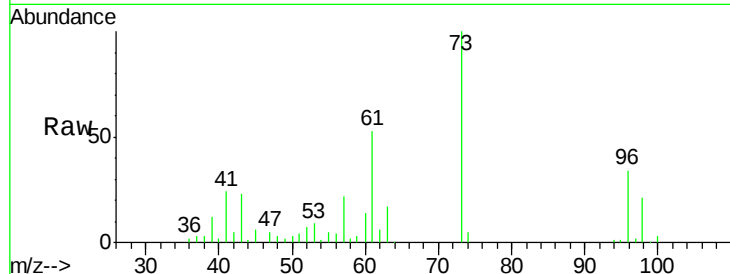
#19
Methvl tert-butvl Ether
Concen: 19.117 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS02

Tot Ion: 73 Resp: 170712
Ion Ratio Lower Upper
73 100
57 22.5 18.6 27.8

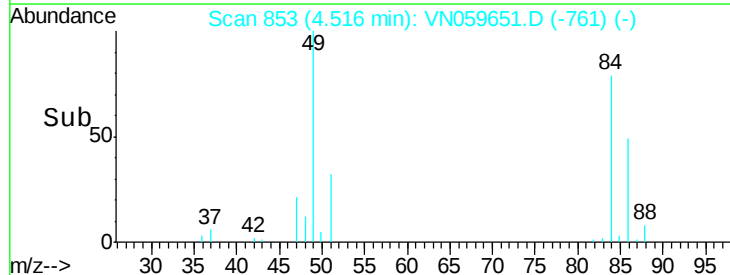
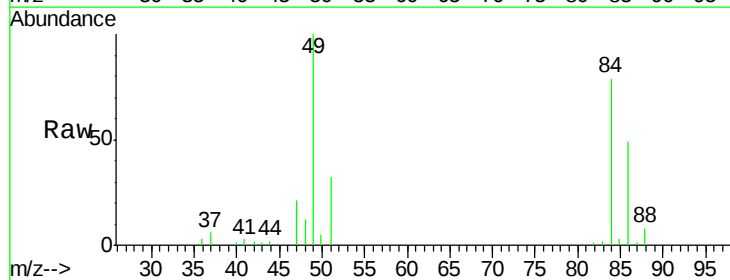
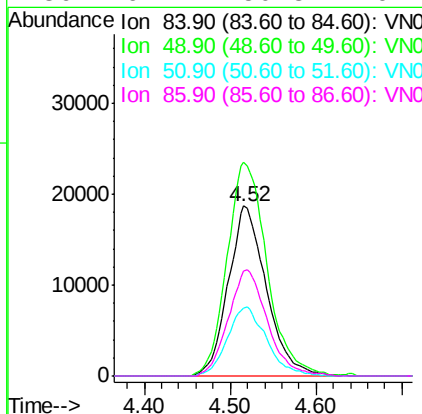
Manual Integrations
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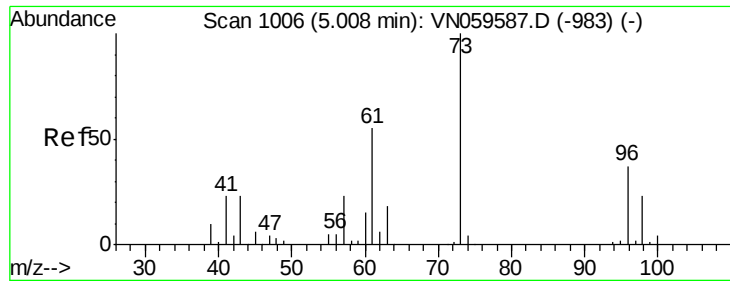
MMDadoda
12/19/2019 11:11:57 AM



#20
Methylene Chloride
Concen: 19.097 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Tgt Ion: 84 Resp: 57455
Ion Ratio Lower Upper
84 100
49 125.8 106.6 160.0
51 40.1 31.9 47.9
86 62.1 50.8 76.2





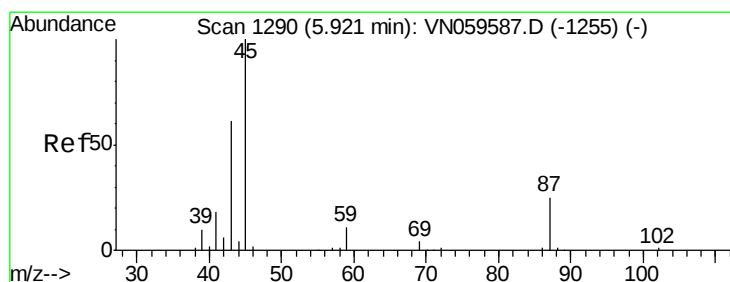
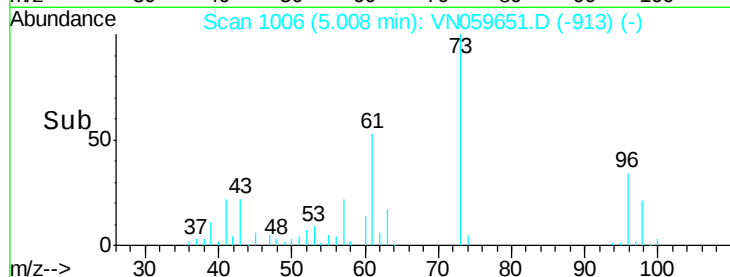
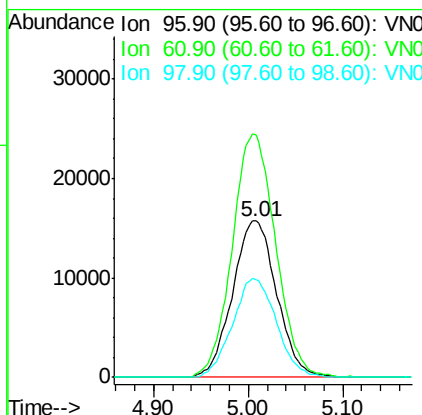
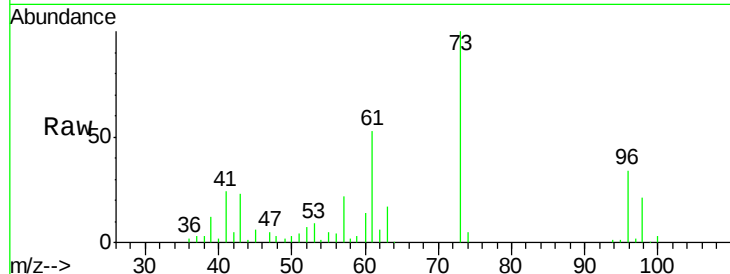
#21
trans-1,2-Dichloroethene
Concen: 18.042 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.6	120.4	180.6
98	62.9	50.6	75.8

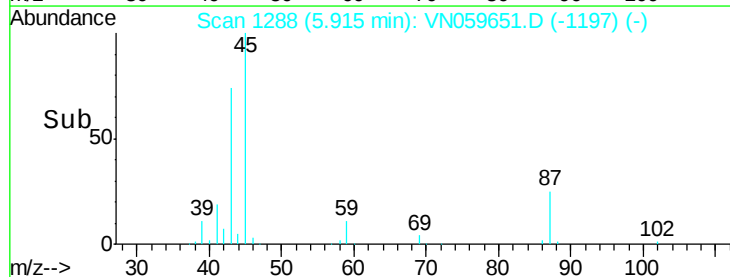
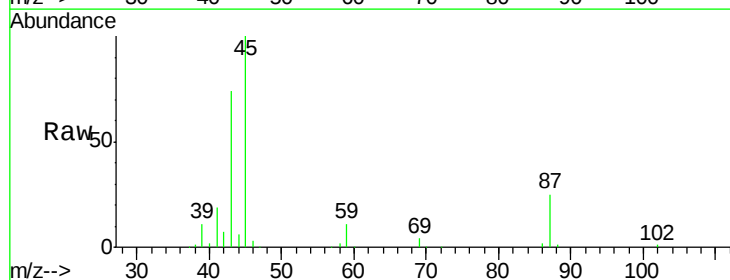
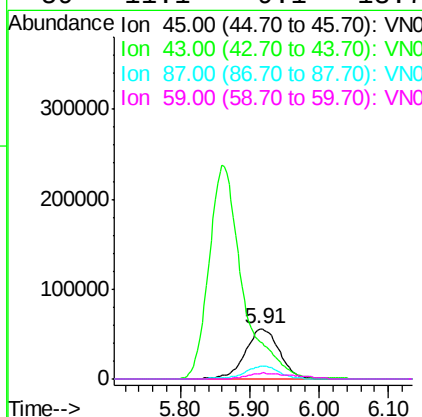
Manual Integrations
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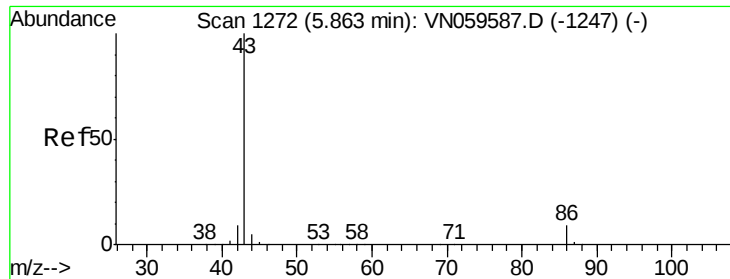
MMDadoda
12/19/2019 11:11:57 AM



#22
Diisopropyl ether
Concen: 20.093 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Tgt Ion	Ratio	Lower	Upper
45	100		
43	72.8	50.8	76.2
87	24.6	21.0	31.6
59	11.1	9.1	13.7





#23

Vinyl Acetate

Concen: 106.633 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS02

Tot Ion: 43 Resp: 800975

Ion Ratio Lower Upper

43 100

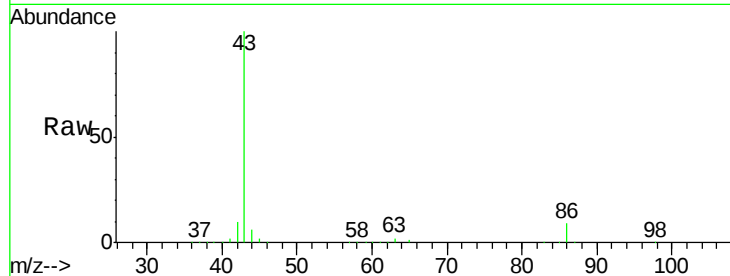
86 9.1 7.6 11.4

Manual Integrations

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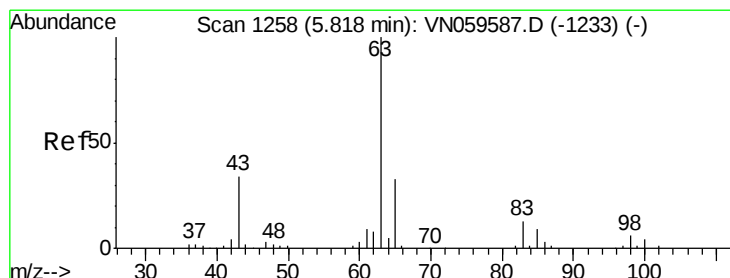
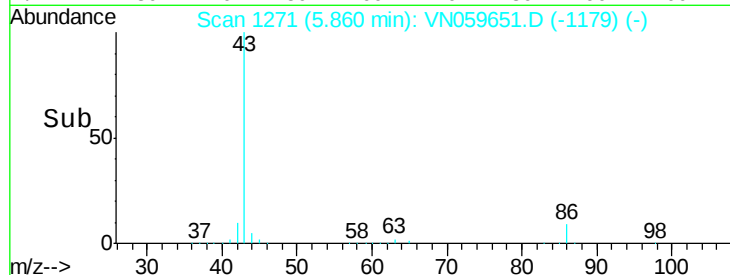
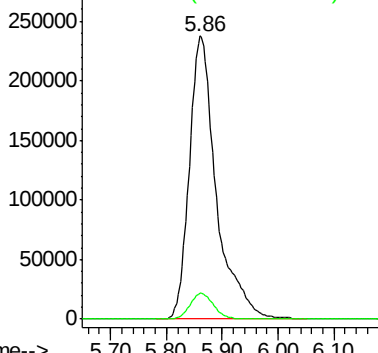
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.555 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

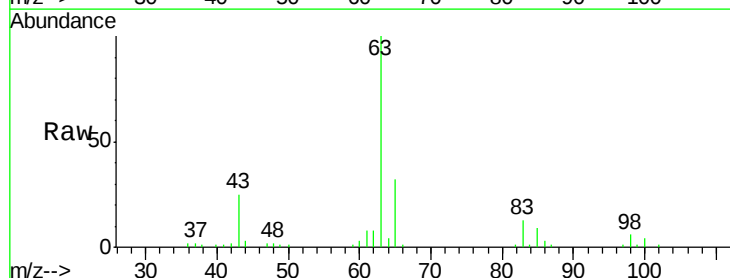
Tgt Ion: 63 Resp: 106028

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.7

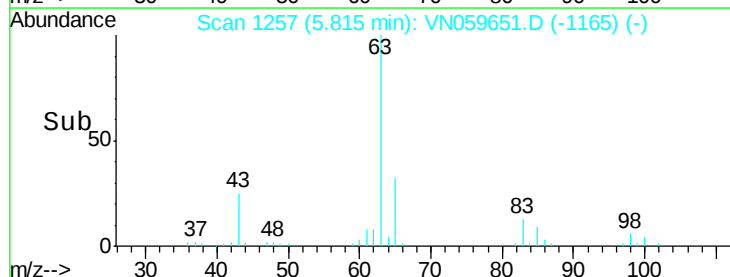
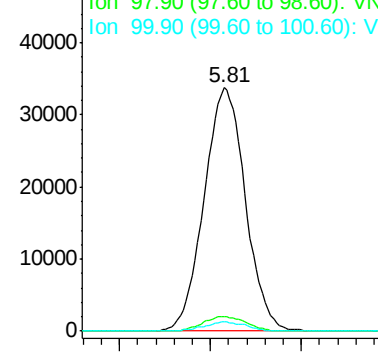
100 3.9 2.0 6.0

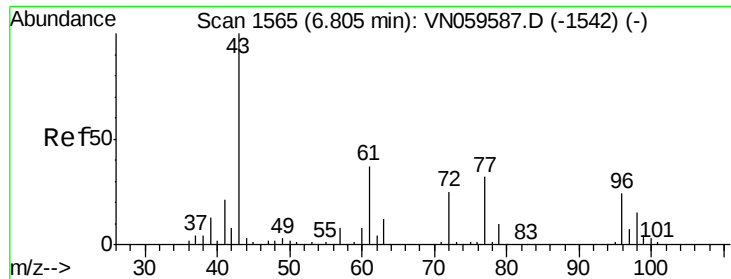


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 86.853 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Tot Ion: 43 Resp: 216356

Ion Ratio Lower Upper

43 100

72 24.5 19.9 29.9

Instrument :

MSVOA_N

ClientSampleId :

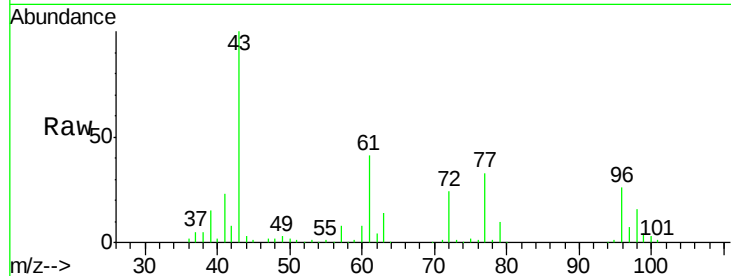
VN1218MBS02

Manual Integrations

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12/19/2019 11:11:57 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.81

80000

60000

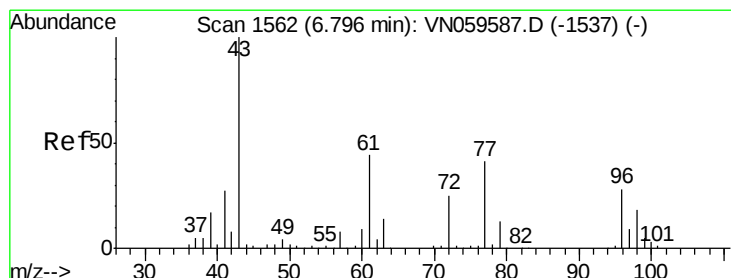
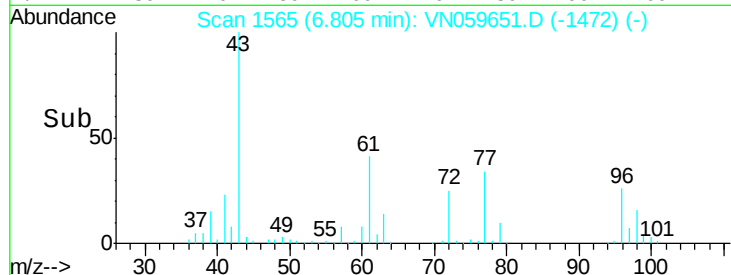
40000

20000

0

6.70 6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 18.906 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059651.D

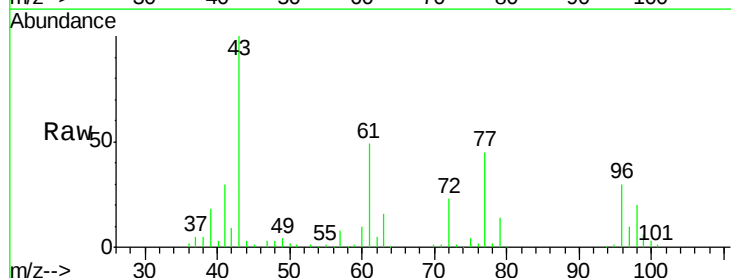
Acq: 18 Dec 2019 16:04

Tgt Ion: 77 Resp: 93164

Ion Ratio Lower Upper

77 100

97 21.4 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.80

30000

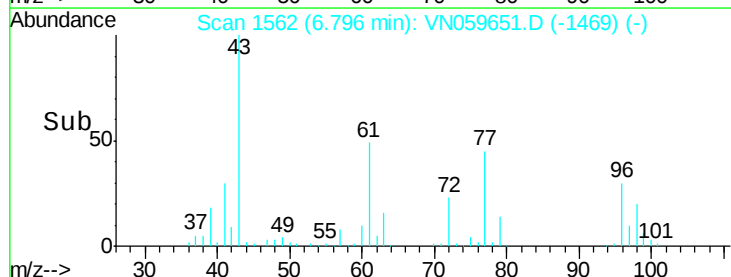
20000

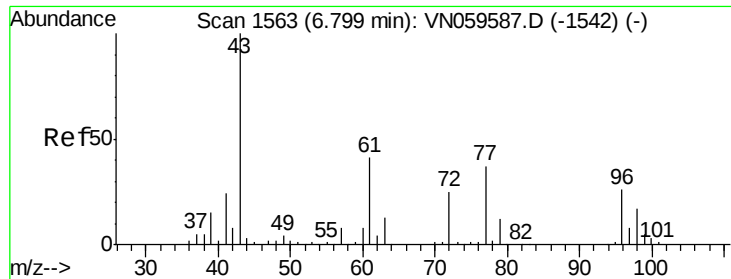
10000

0

6.70 6.75 6.80 6.85 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 18.780 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :

MSVOA_N

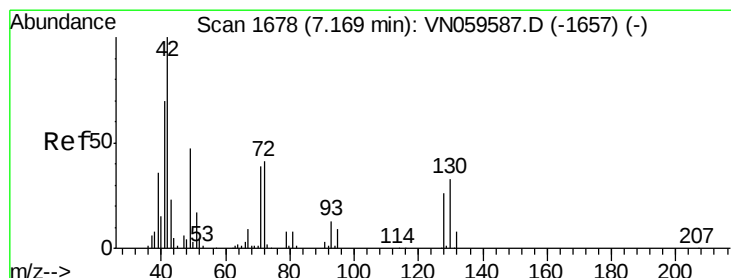
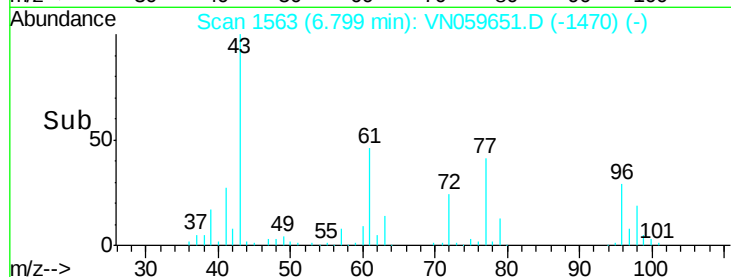
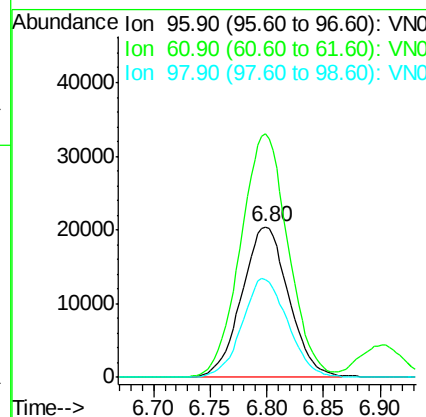
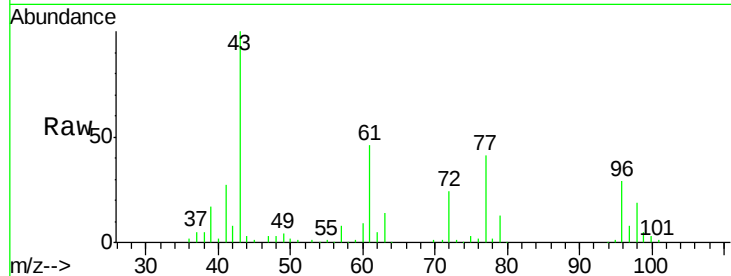
ClientSampleId :

VN1218MBS02

Tot Ion:	96	Resp:	58673
Ion	Ratio	Lower	Upper
96	100		
61	164.3	0.0	317.6
98	64.1	0.0	127.0

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#28

Bromochloromethane

Concen: 19.731 ug/l

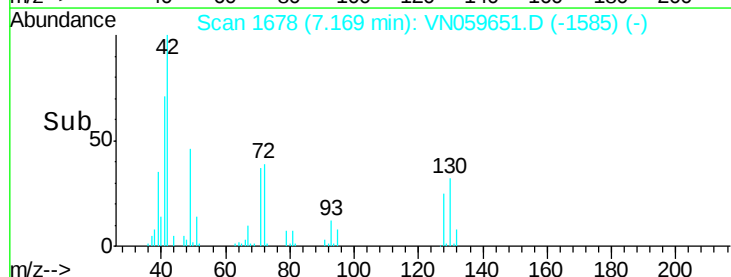
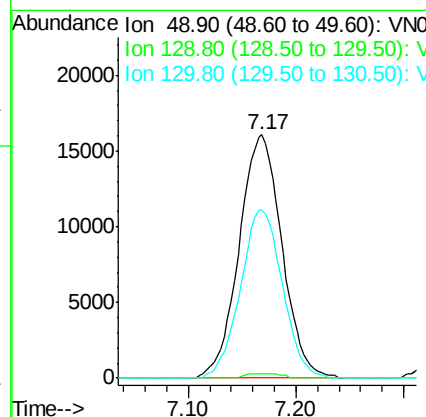
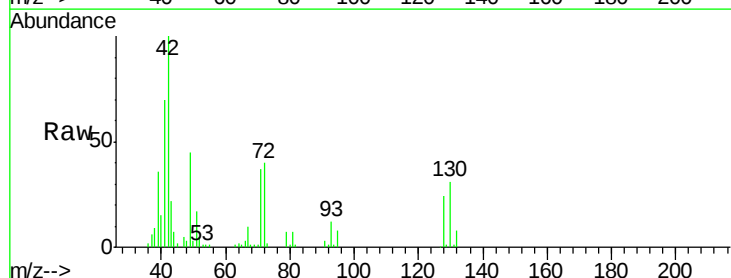
RT: 7.17 min Scan# 1678

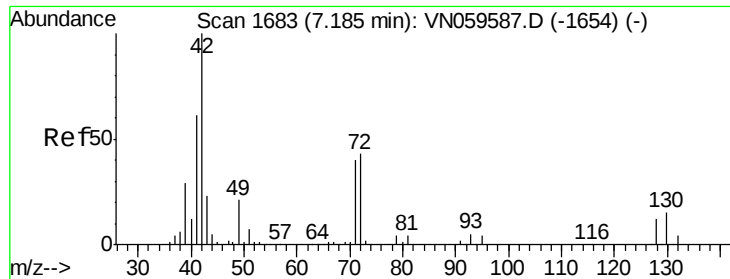
Delta R.T. 0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Tgt Ion:	49	Resp:	44300
Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	3.4
130	67.9	54.7	82.1





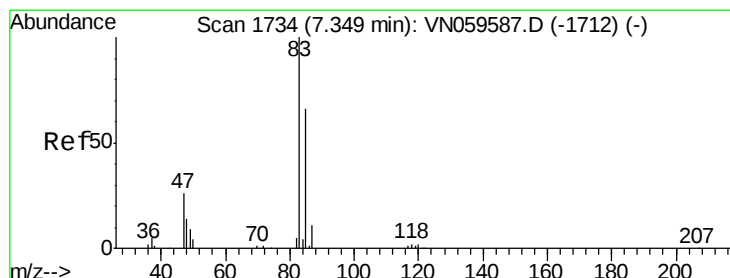
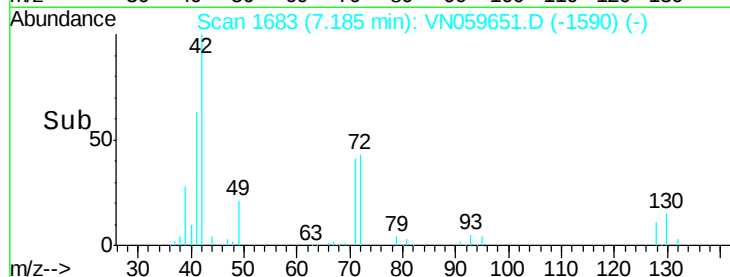
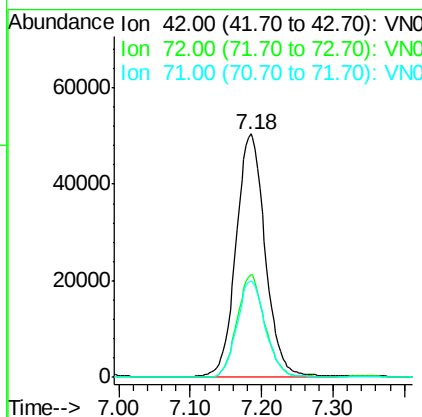
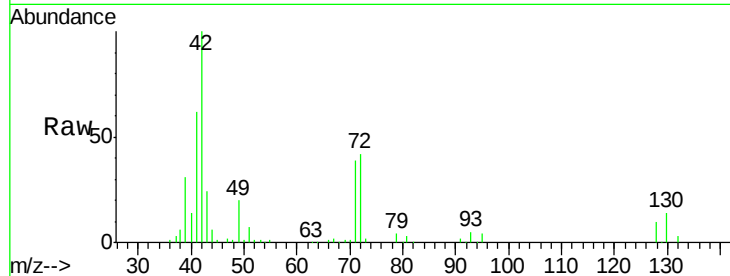
#29
Tetrahydrofuran
Concen: 95.130 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.0	33.1	49.7
71	38.4	31.4	47.0

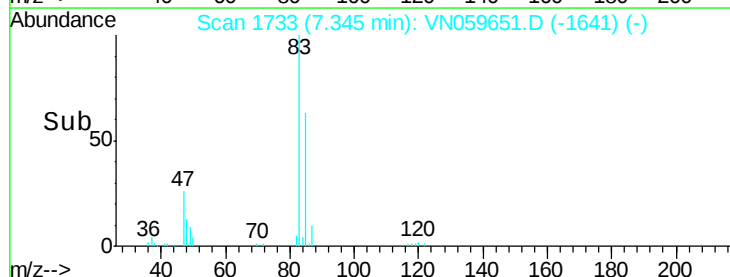
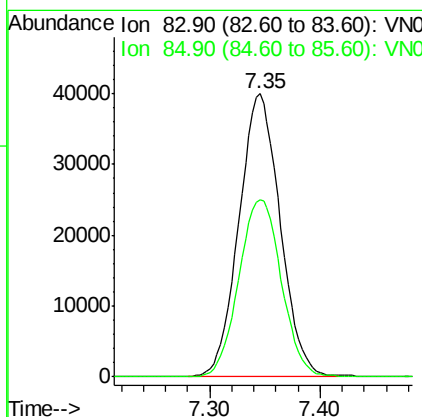
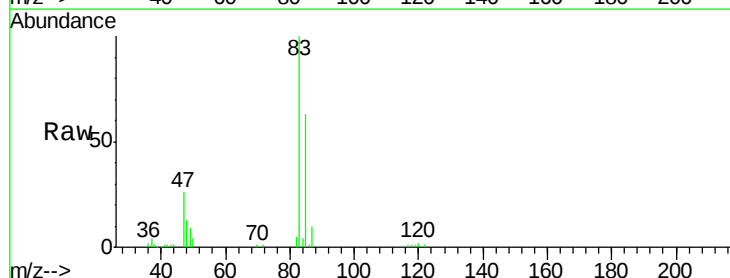
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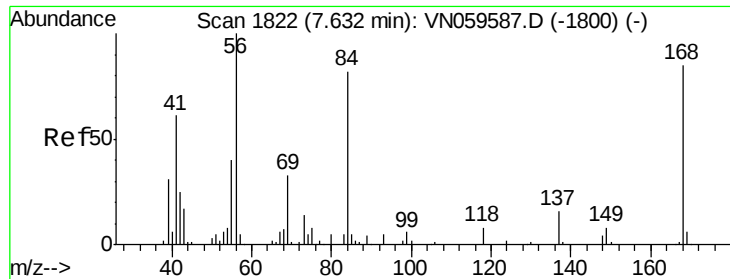
MMDadoda
12/19/2019 11:11:57 AM



#30
Chloroform
Concen: 19.406 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	52.4	78.6





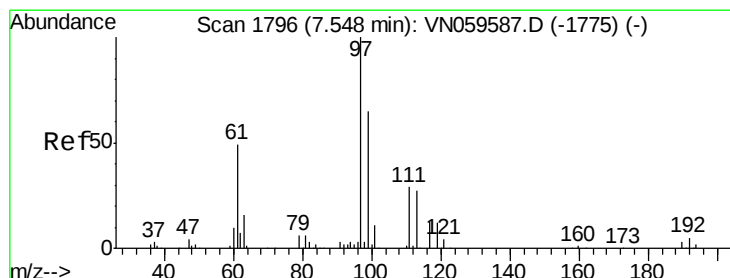
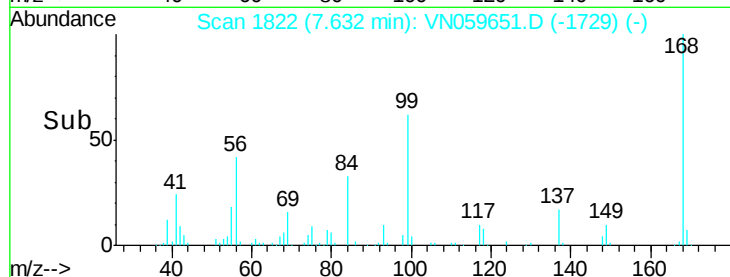
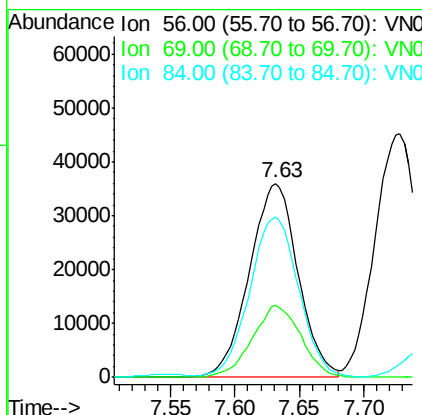
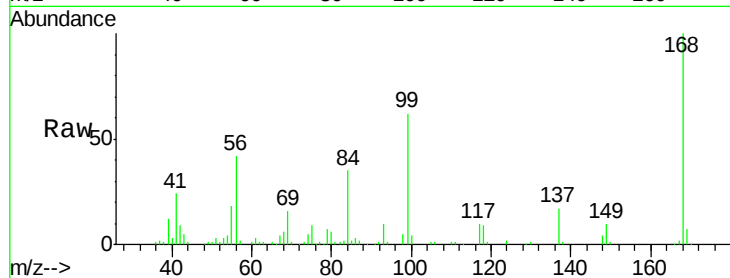
#31
Cyclohexane
Concen: 18.458 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.9	26.5	39.7
84	81.3	65.3	97.9

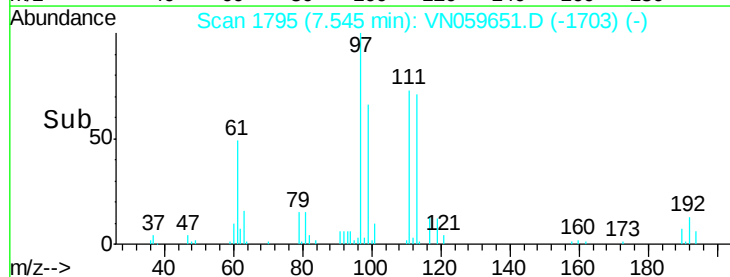
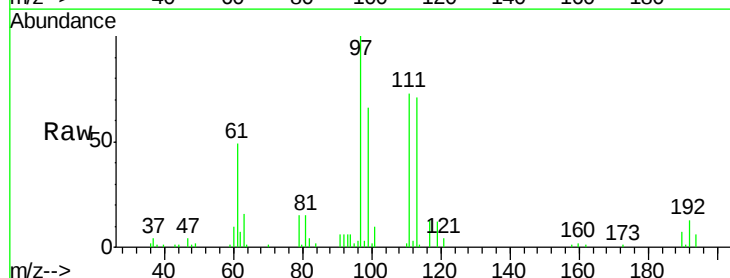
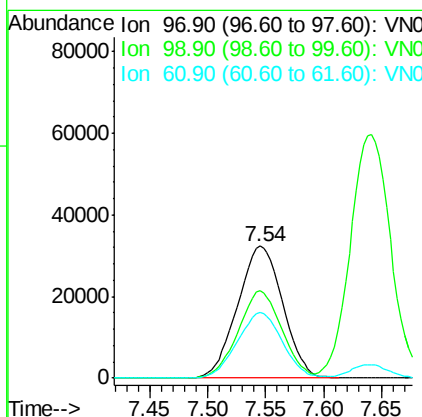
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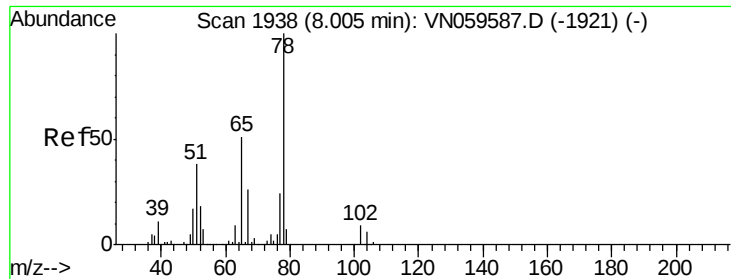
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12/19/2019 11:11:57 AM



#32
1,1,1-Trichloroethane
Concen: 18.229 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.4
61	49.4	38.5	57.7





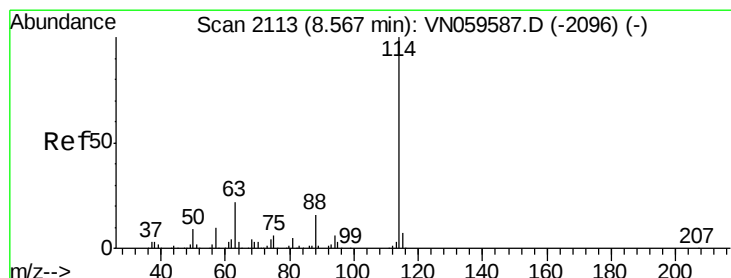
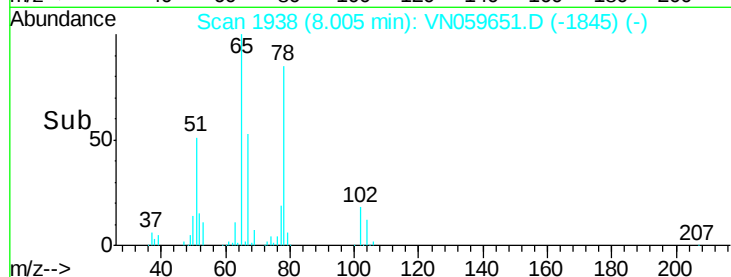
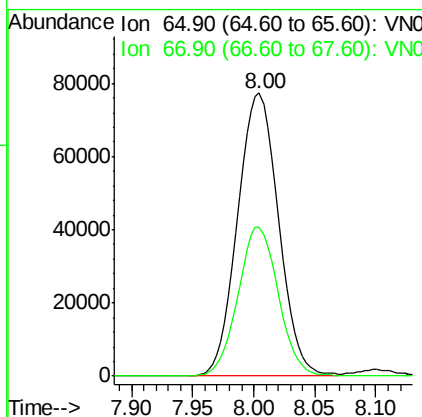
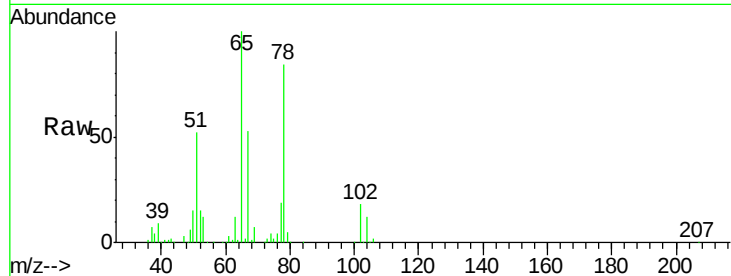
#33
 1,2-Dichloroethane-d4
 Concen: 51.340 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059651.D
 Acq: 18 Dec 2019 16:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	180140		
67	51.9	0.0	103.0	

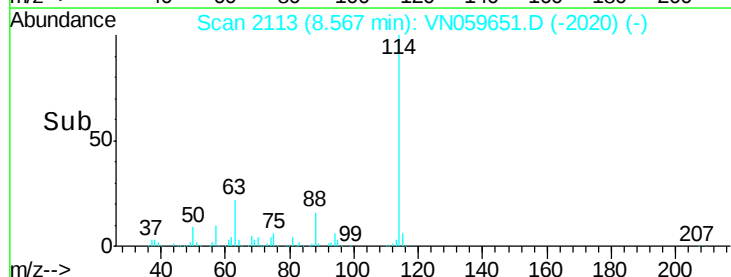
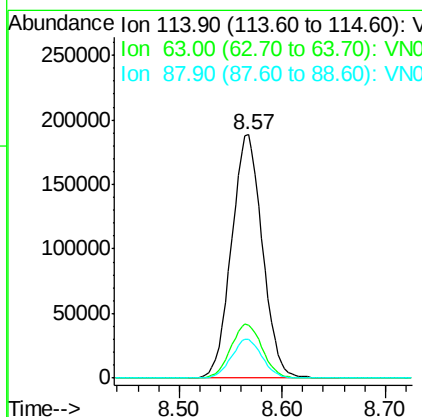
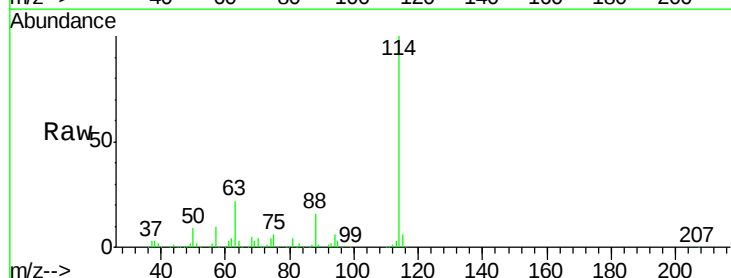
Manual Integrations
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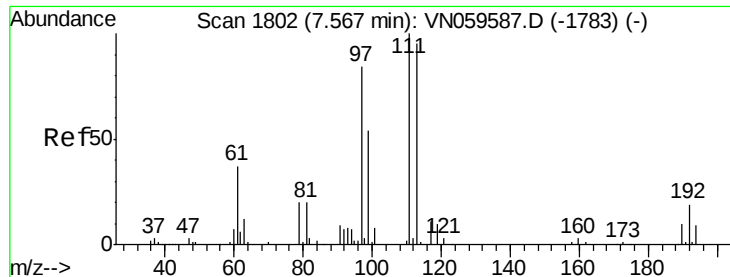
MMDadoda
 12/19/2019 11:11:57 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059651.D
 Acq: 18 Dec 2019 16:04

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	392608		
63	22.0	0.0	43.6	
88	16.1	0.0	31.4	





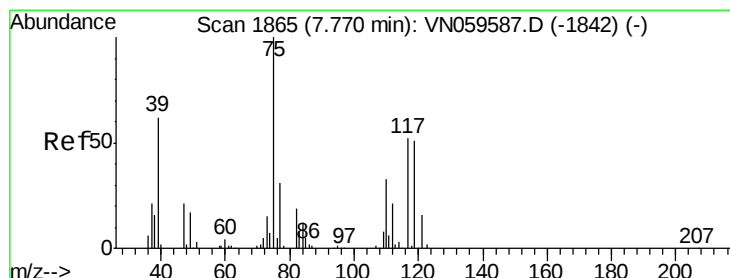
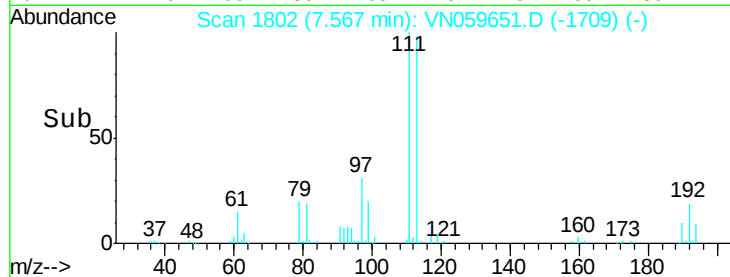
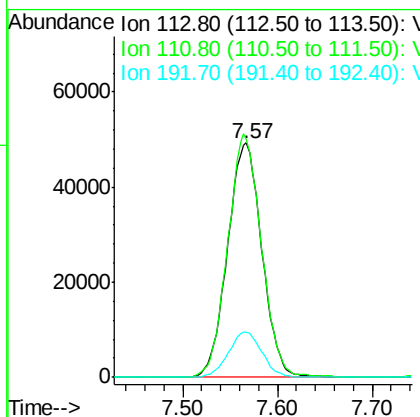
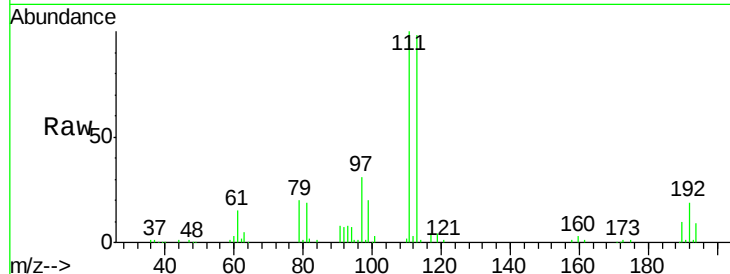
#35
 Dibromofluoromethane
 Concen: 50.522 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059651.D
 Acq: 18 Dec 2019 16:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	124108		
111	102.1	83.5	125.3	
192	18.8	15.4	23.2	

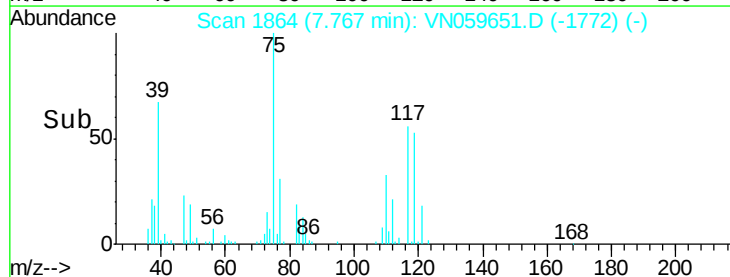
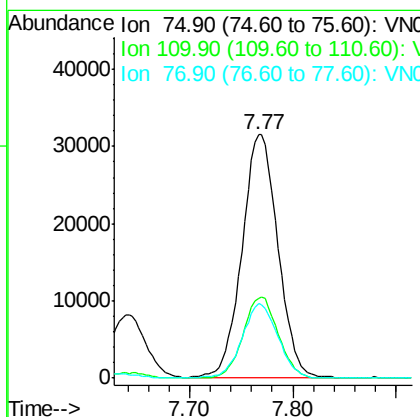
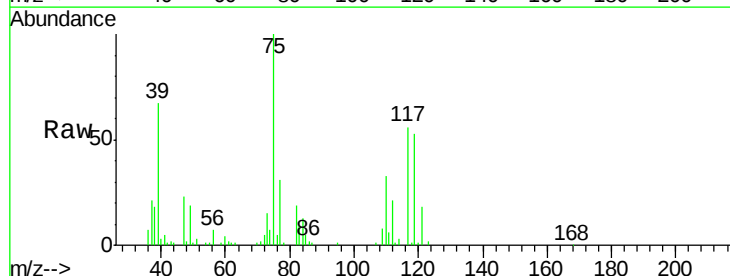
Manual Integrations
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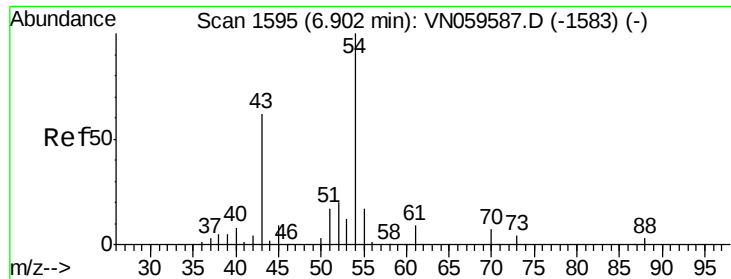
MMDadoda
 12/19/2019 11:11:57 AM



#36
 1,1-Dichloropropene
 Concen: 18.649 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN059651.D
 Acq: 18 Dec 2019 16:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	76353		
110	32.3	16.6	49.7	
77	30.4	25.1	37.7	





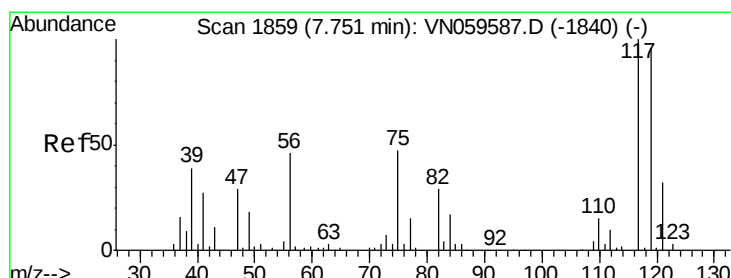
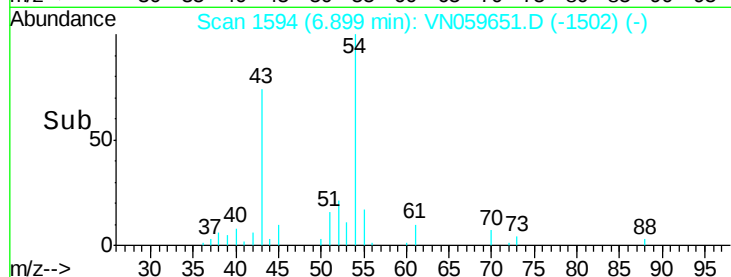
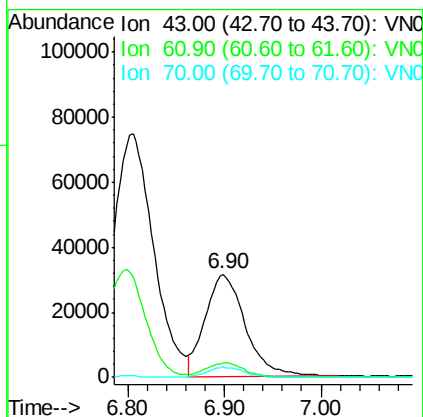
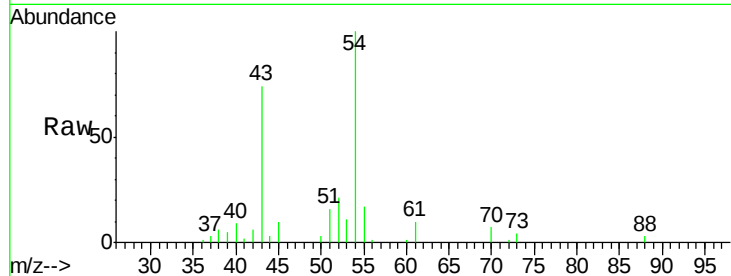
#37
Ethyl Acetate
Concen: 19.032 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.9	16.3
70	9.1	7.7	11.5

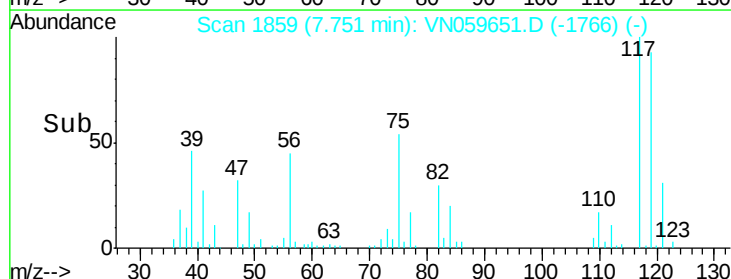
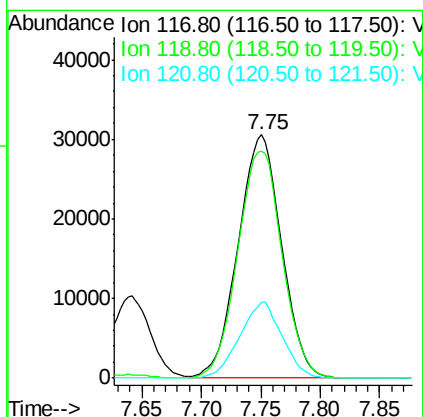
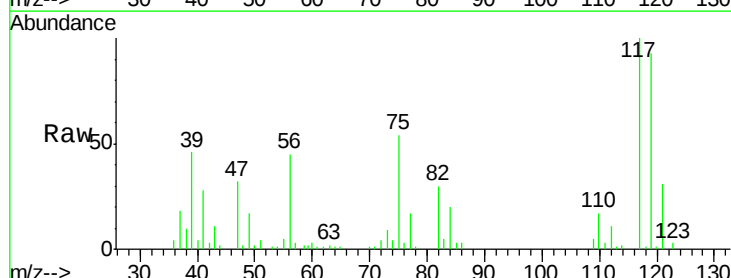
Manual Integrations
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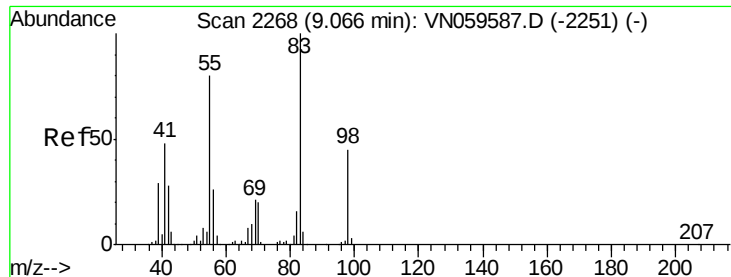
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#38
Carbon Tetrachloride
Concen: 18.202 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	76.5	114.7
121	31.0	25.1	37.7





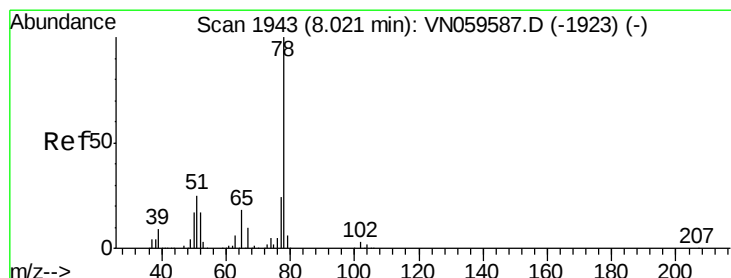
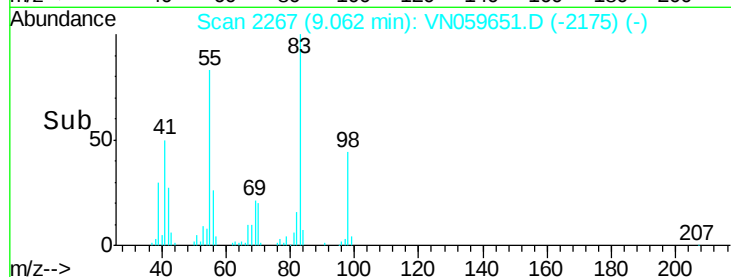
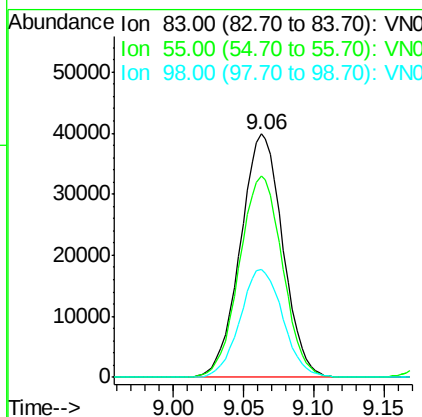
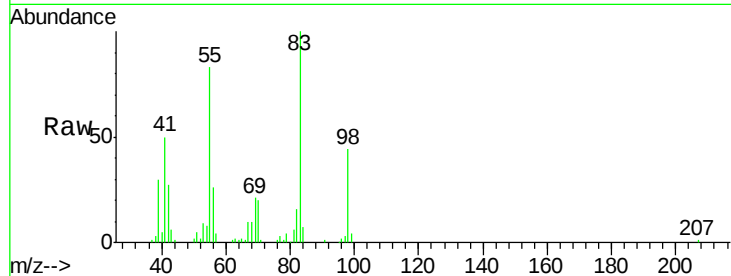
#39
Methvlcvclohexane
Concen: 18.009 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.5	64.2	96.2
98	44.2	35.9	53.9

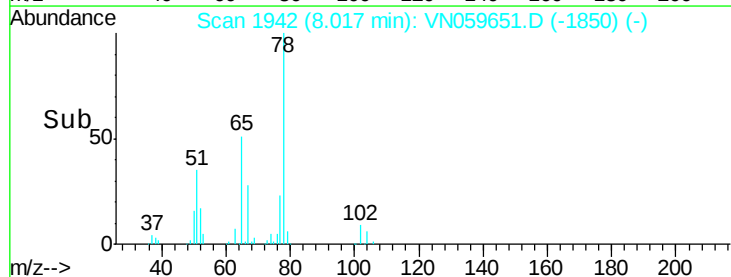
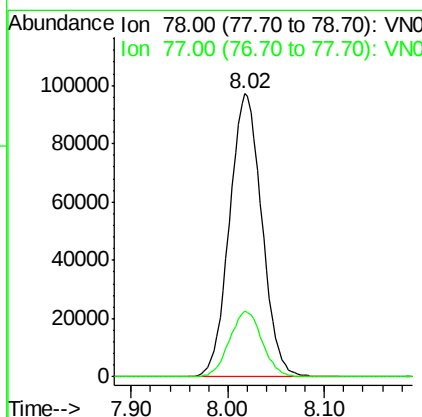
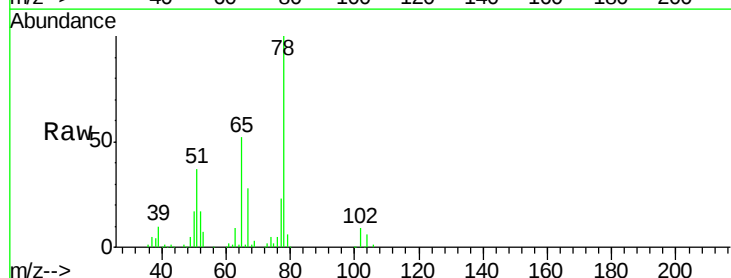
Manual Integrations
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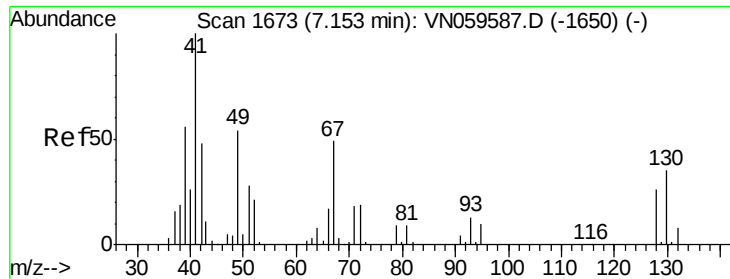
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#40
Benzene
Concen: 18.883 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.9	28.3





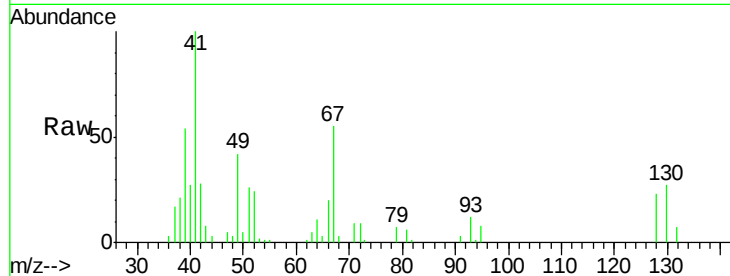
#41
Methacrylonitrile
Concen: 19.925 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. -0.01 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS02

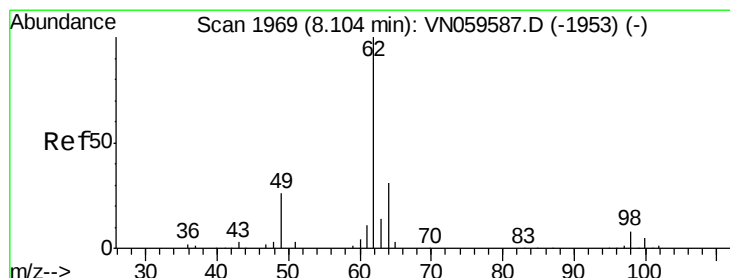
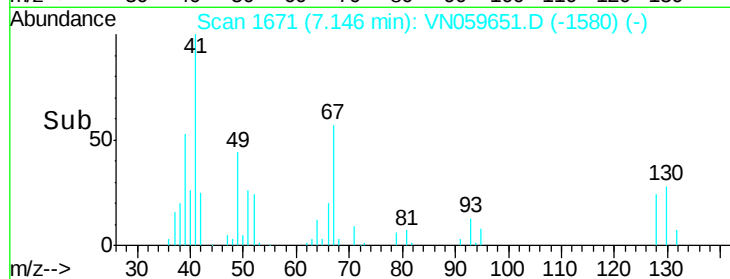
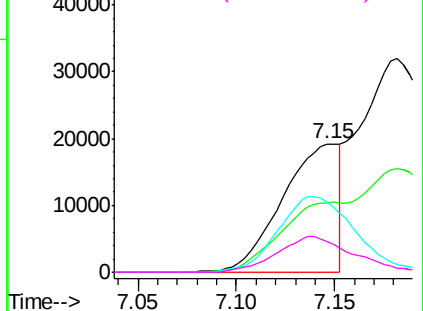
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
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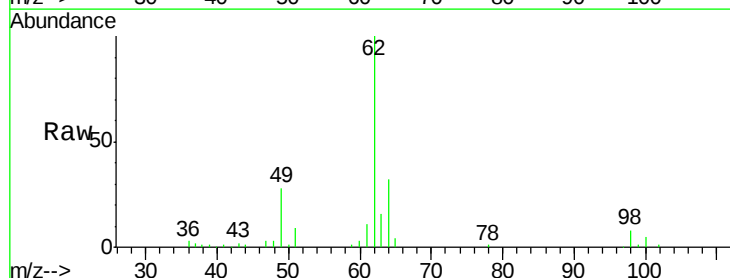


Abundance Ion 41.00 (40.70 to 41.70): VN059587.D (-1650) (-)
Ion 39.00 (38.70 to 39.70): VN059587.D (-1650) (-)
Ion 67.00 (66.70 to 67.70): VN059587.D (-1650) (-)
Ion 52.00 (51.70 to 52.70): VN059587.D (-1650) (-)

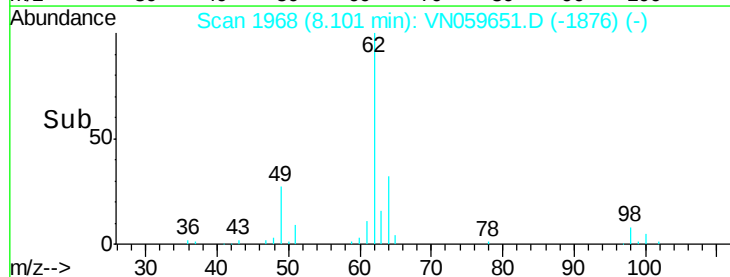
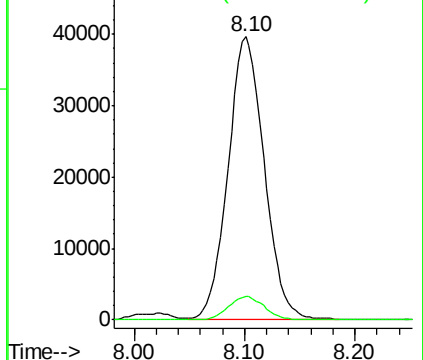


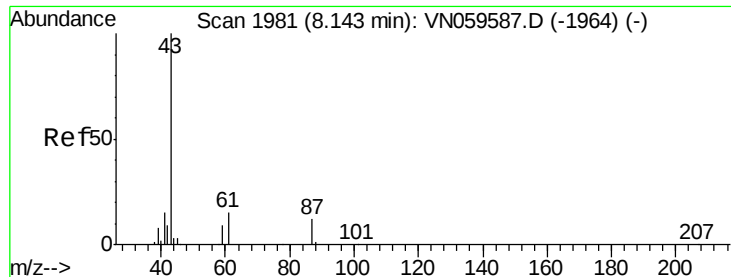
#42
1,2-Dichloroethane
Concen: 19.731 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	15.8



Abundance Ion 61.90 (61.60 to 62.60): VN059587.D (-1953) (-)
Ion 97.90 (97.60 to 98.60): VN059587.D (-1953) (-)





#43

Isopropyl Acetate

Concen: 18.919 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :

MSVOA_N

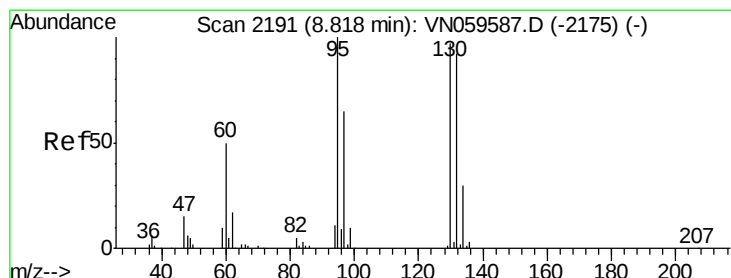
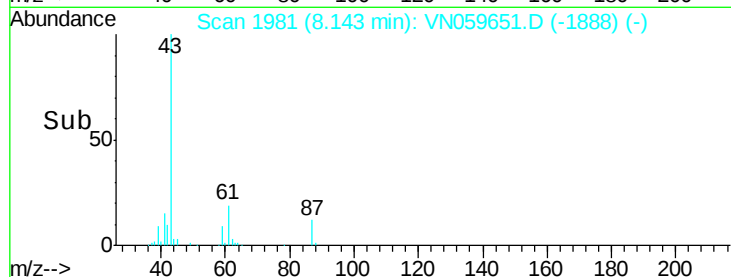
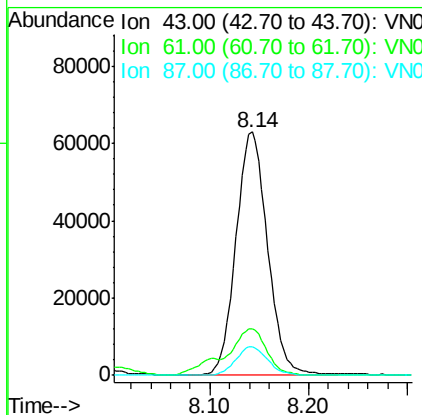
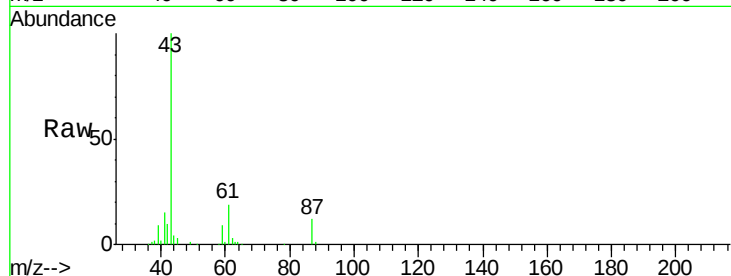
ClientSampleId :

VN1218MBS02

Tot Ion:	43	Resp:	139969
Ion	Ratio	Lower	Upper
43	100		
61	20.1	20.2	30.2#
87	11.9	9.5	14.3

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#44

Trichloroethene

Concen: 18.274 ug/l

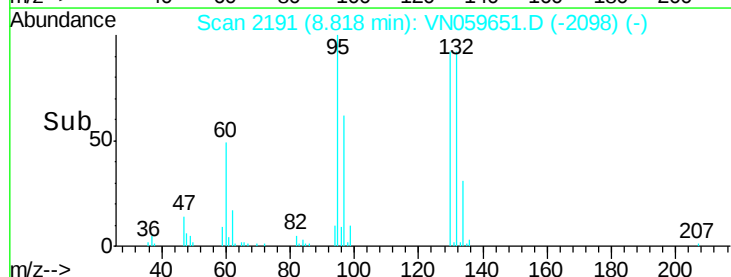
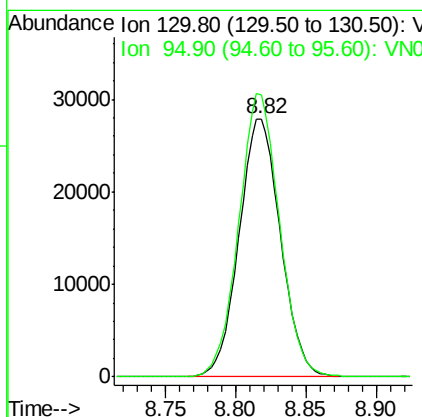
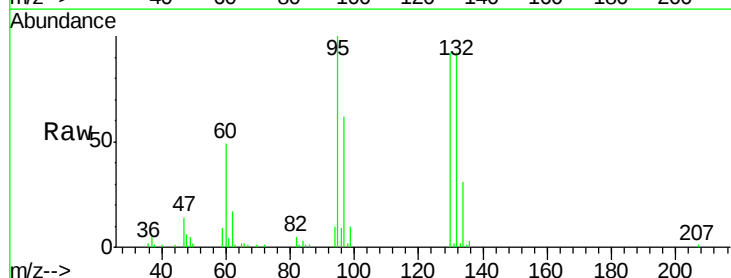
RT: 8.82 min Scan# 2191

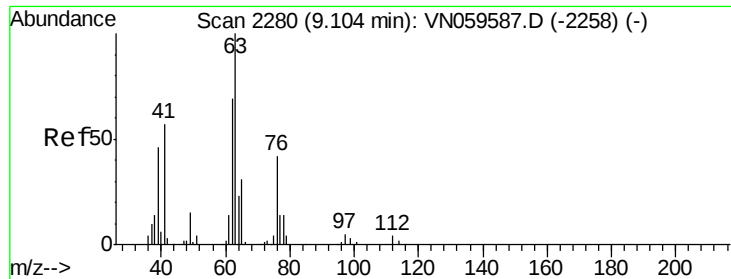
Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Tgt Ion:	130	Resp:	57273
Ion	Ratio	Lower	Upper
130	100		
95	109.0	0.0	207.0





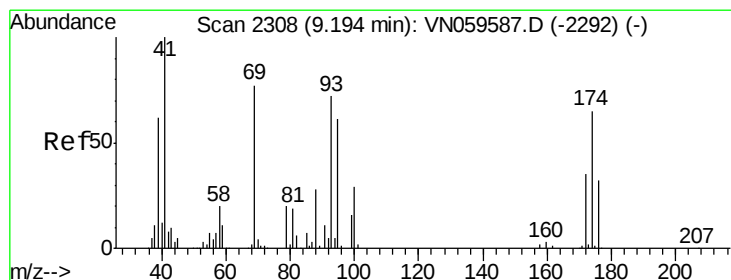
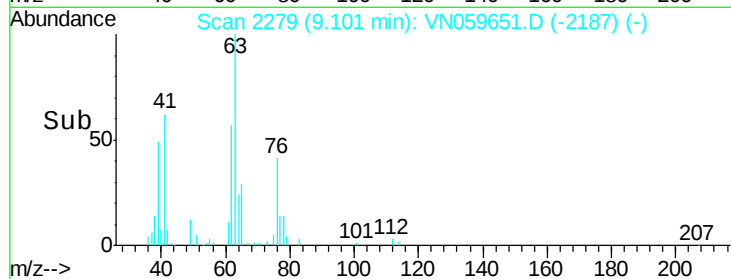
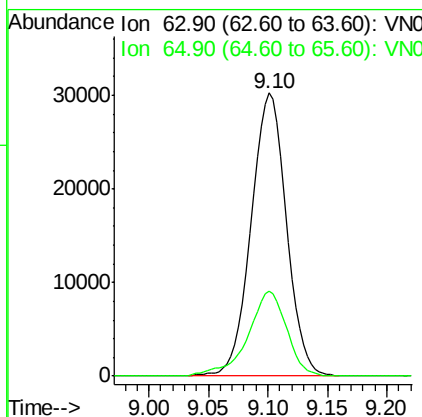
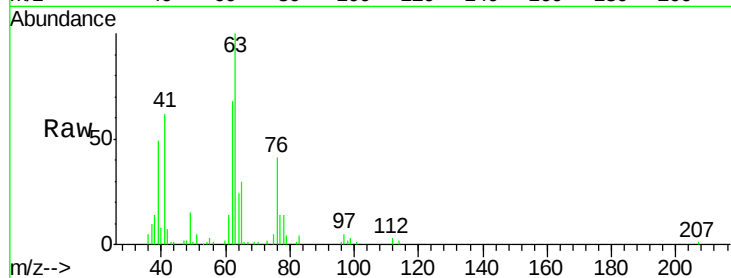
#45
 1,2-Dichloropropane
 Concen: 19.287 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN059651.D
 Acq: 18 Dec 2019 16:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.9	37.3

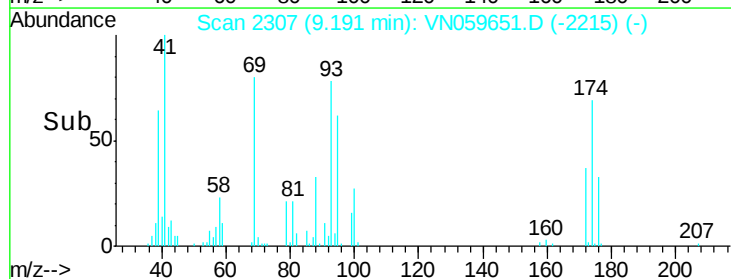
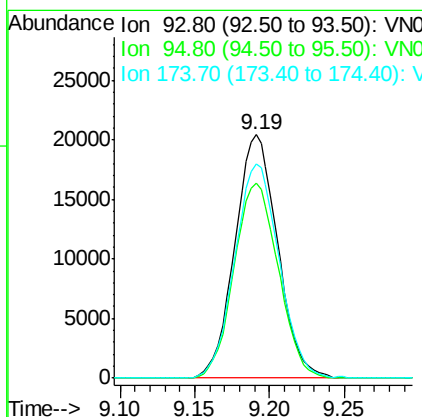
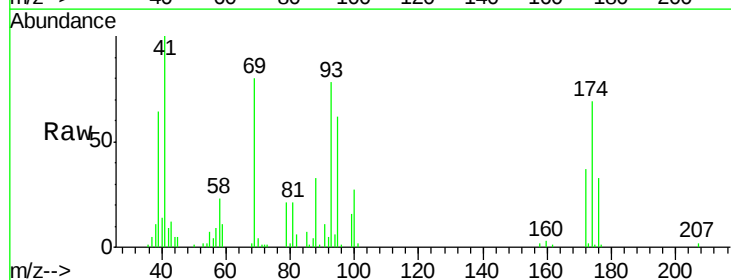
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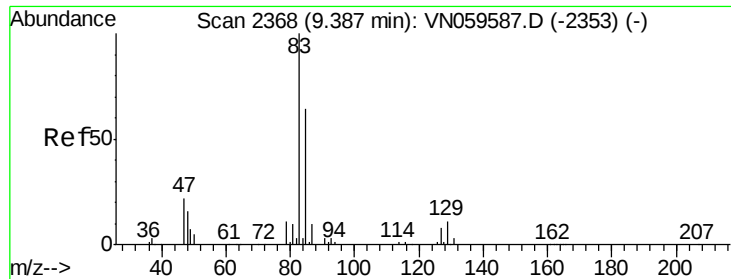
MMDadoda
 12/19/2019 11:11:57 AM



#46
 Dibromomethane
 Concen: 19.158 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN059651.D
 Acq: 18 Dec 2019 16:04

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.8	67.0	100.6
174	91.3	73.4	110.2





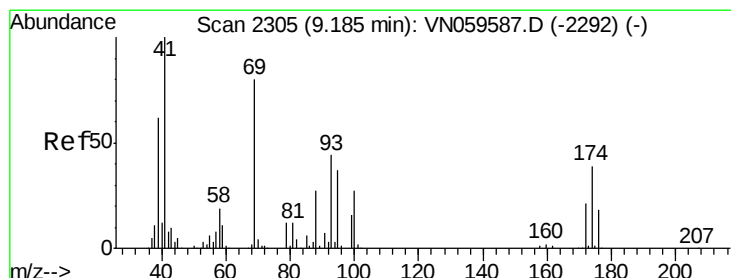
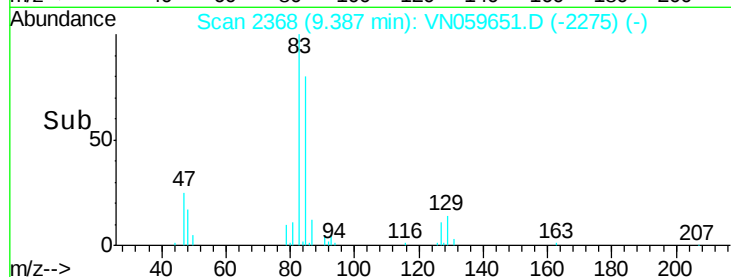
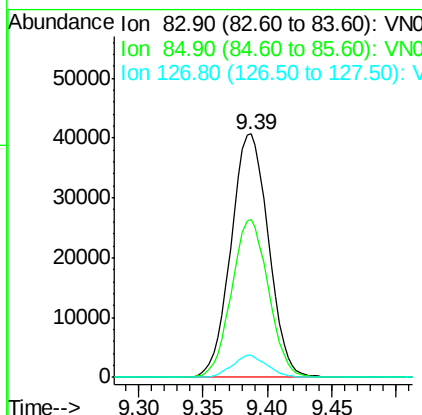
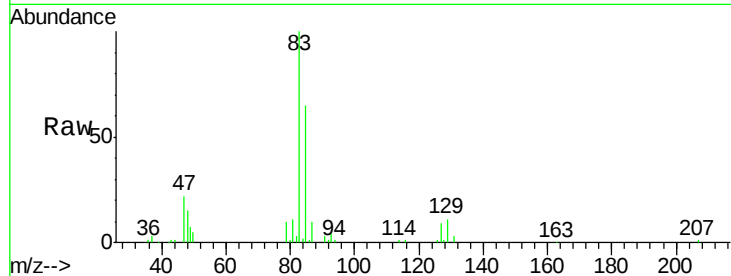
#47
Bromodichloromethane
Concen: 19.494 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS02

Tot Ion	83	Resp	82273
Ion Ratio	100		
85	65.0	51.1	76.7
127	8.9	6.6	9.8

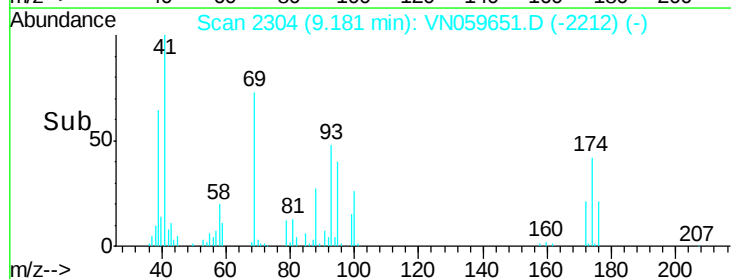
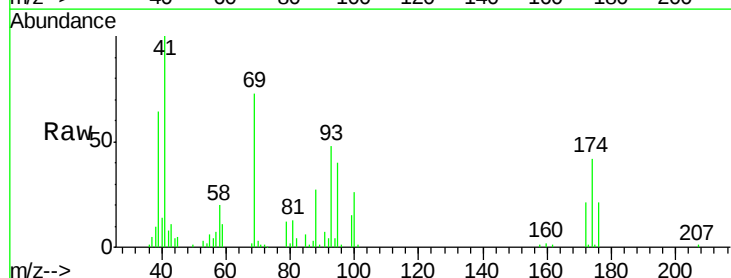
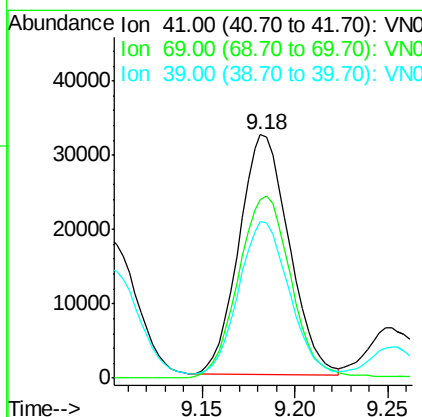
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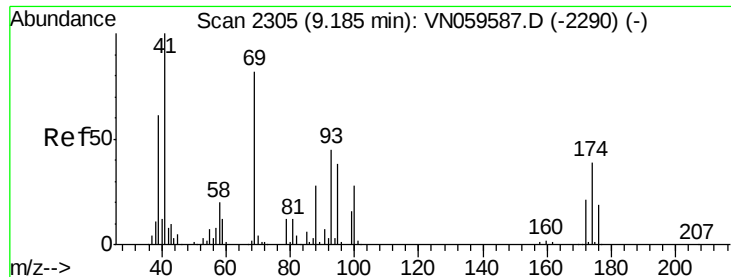
MMDadoda
12/19/2019 11:11:57 AM



#48
Methyl methacrylate
Concen: 18.025 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Tgt Ion	41	Resp	60503
Ion Ratio	100		
69	80.1	64.4	96.6
39	66.3	51.3	76.9





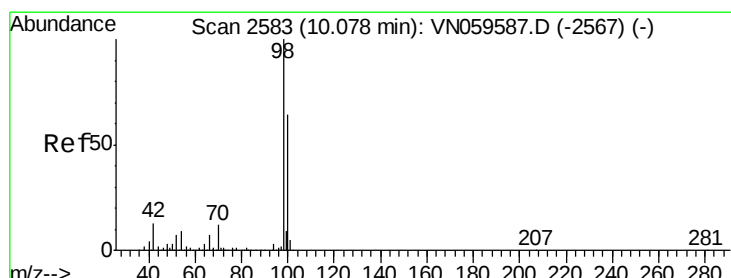
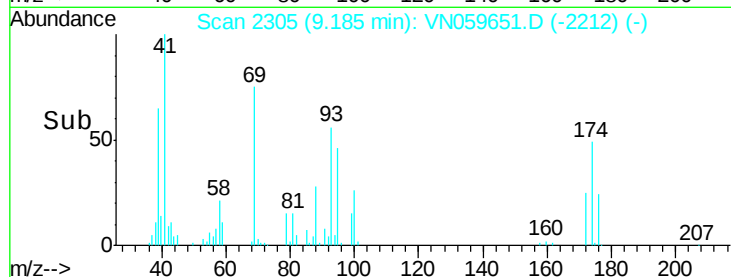
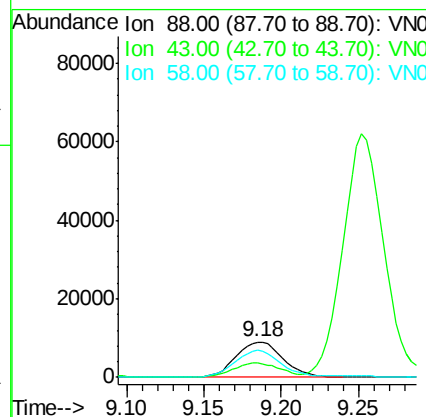
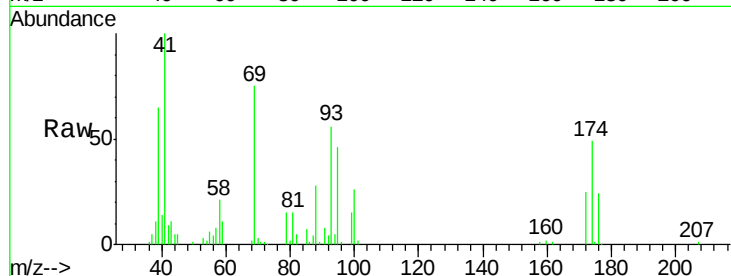
#49
1,4-Dioxane
Concen: 400.824 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.8	29.7	44.5
58	74.7	56.6	85.0

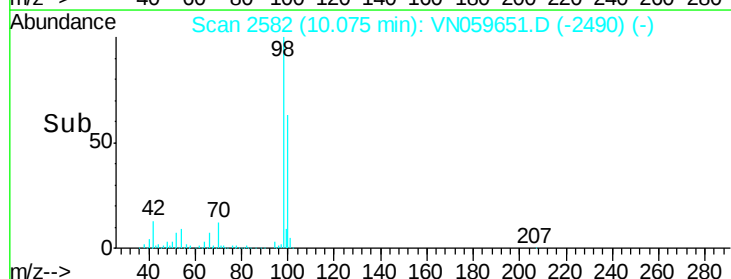
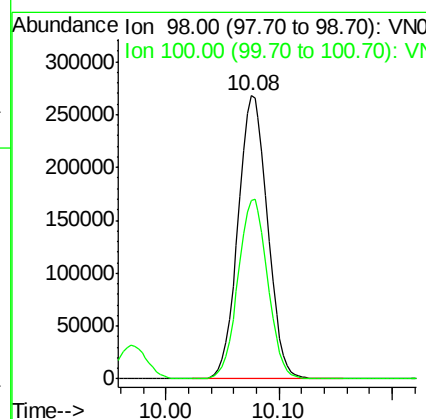
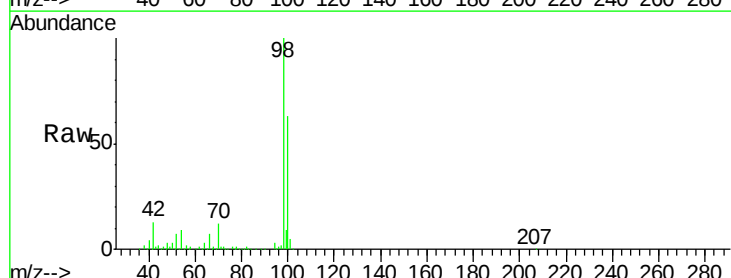
Manual Integrations
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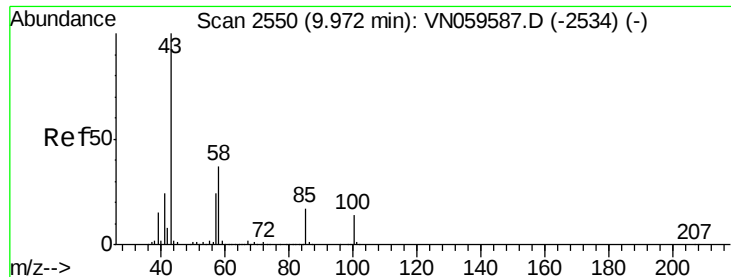
MMDadoda
12/19/2019 11:11:57 AM



#50
Toluene-d8
Concen: 50.200 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 98.146 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS02

Tot Ion: 43 Resp: 432937

Ion Ratio Lower Upper

43 100

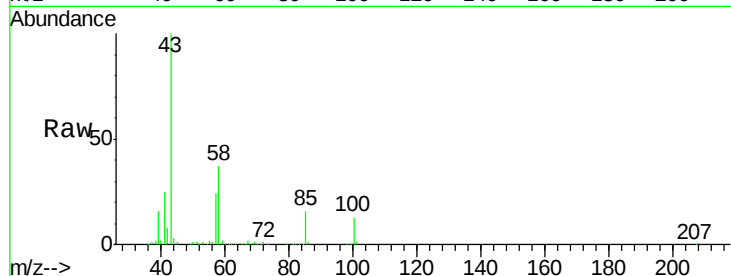
58 36.7 29.8 44.8

Manual Integrations

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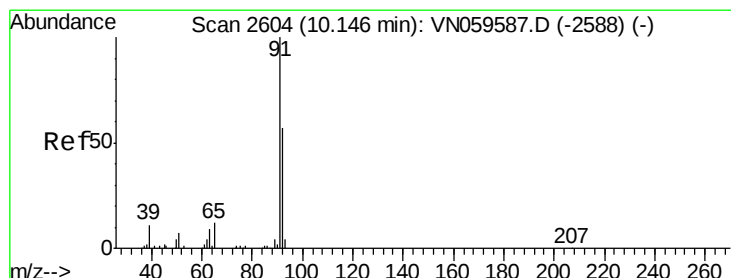
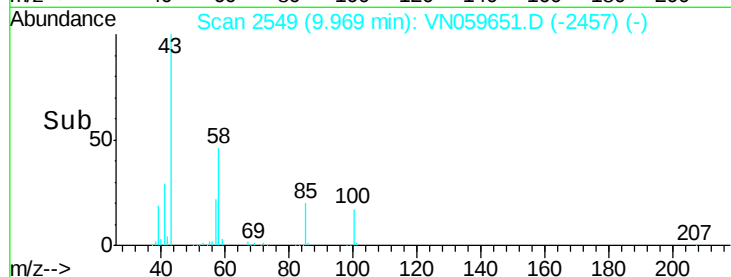
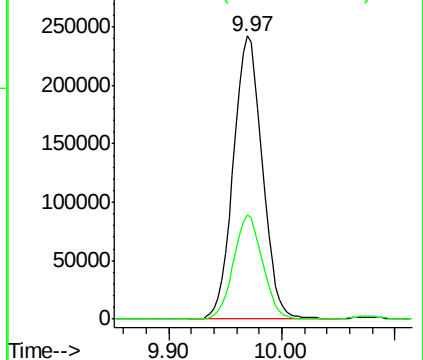
MMDadoda

12/19/2019 11:11:57 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 18.670 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059651.D

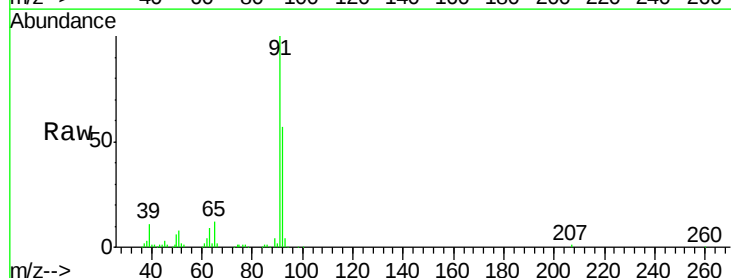
Acq: 18 Dec 2019 16:04

Tgt Ion: 92 Resp: 137257

Ion Ratio Lower Upper

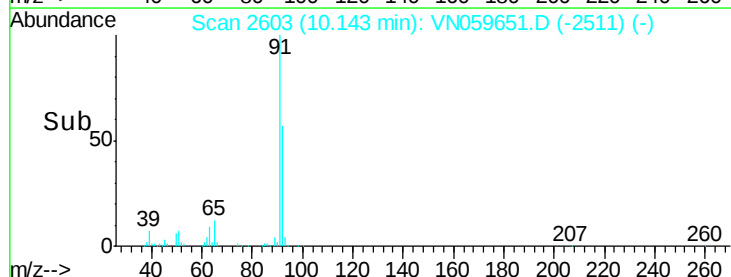
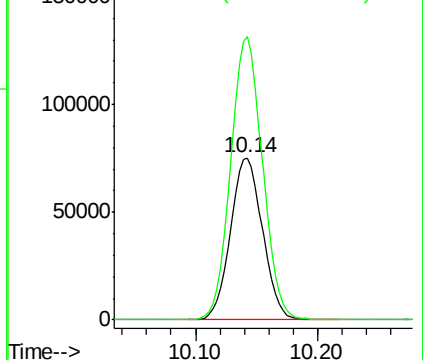
92 100

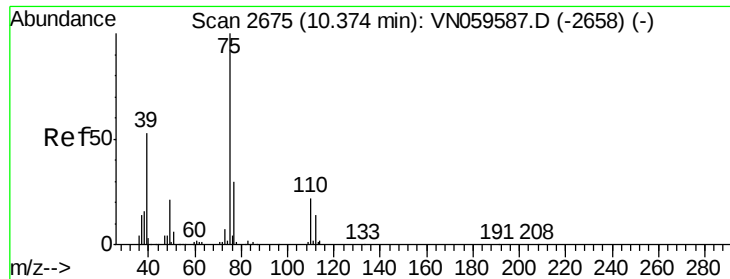
91 173.7 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





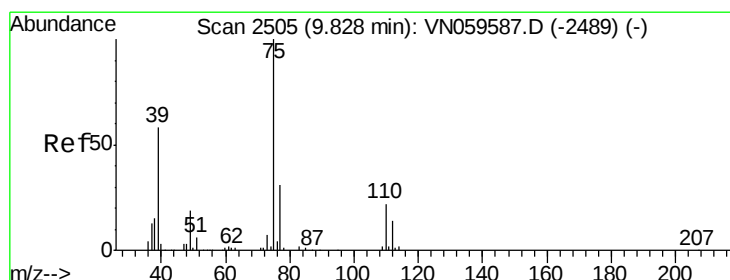
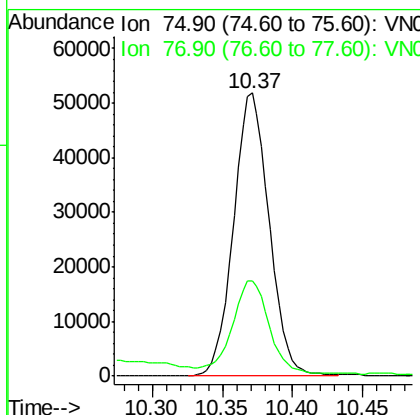
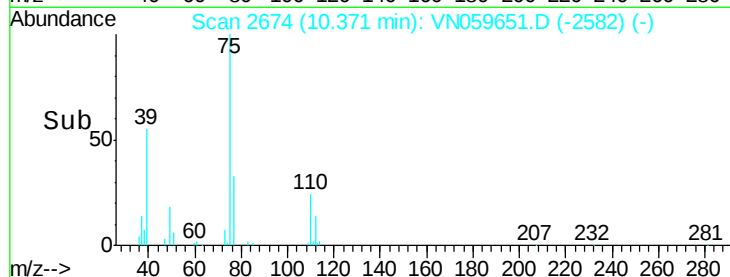
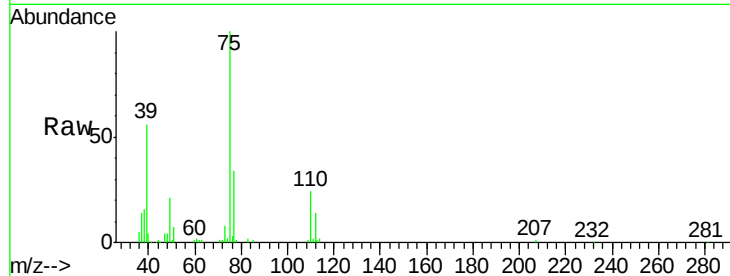
#53
t-1,3-Dichloropropene
Concen: 18.773 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS02

Tot Ion: 75 Resp: 91630
Ion Ratio Lower Upper
75 100
77 32.6 25.4 38.2

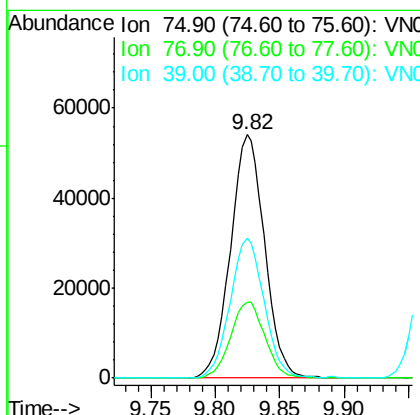
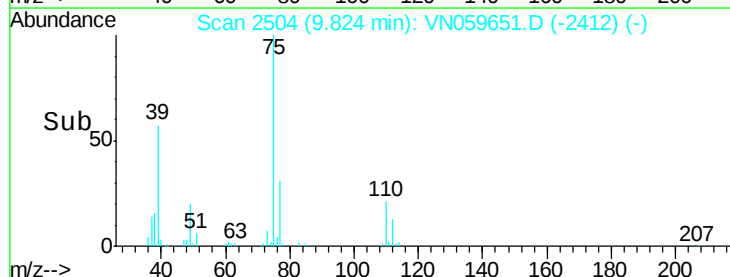
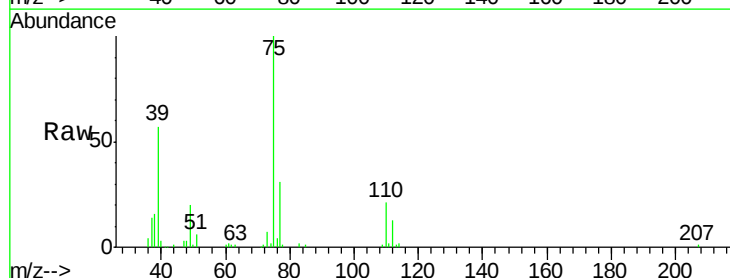
Manual Integrations
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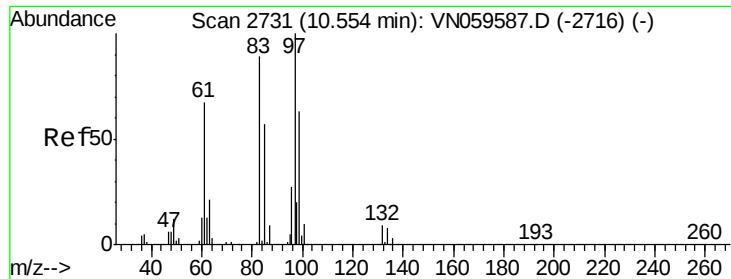
MMDadoda
12/19/2019 11:11:57 AM



#54
cis-1,3-Dichloropropene
Concen: 19.303 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Tgt Ion: 75 Resp: 99037
Ion Ratio Lower Upper
75 100
77 31.4 25.1 37.7
39 56.9 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 19.671 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS02

Tot Ion: 97 Resp: 56748

Ion Ratio Lower Upper

97 100

83 89.2 71.3 106.9

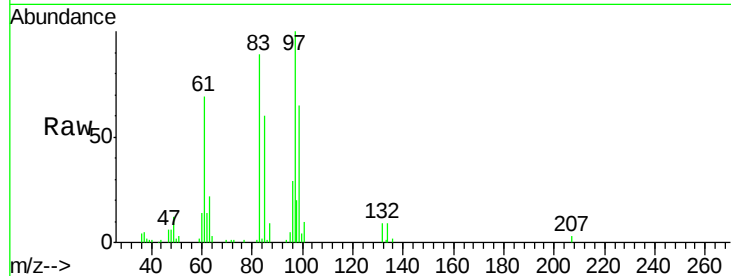
85 59.8 45.8 68.8

99 64.8 50.0 75.0

Manual Integrations
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MMDadoda

12/19/2019 11:11:57 AM

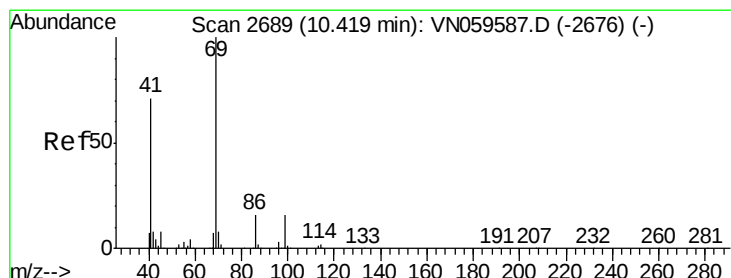
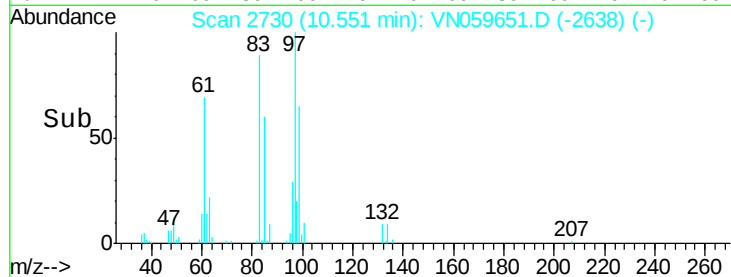
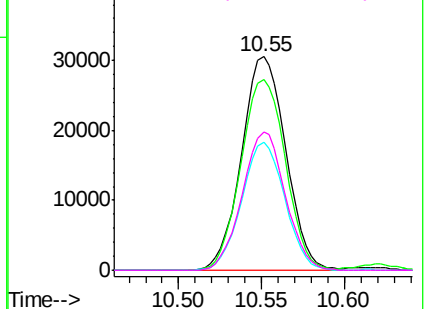


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 18.355 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

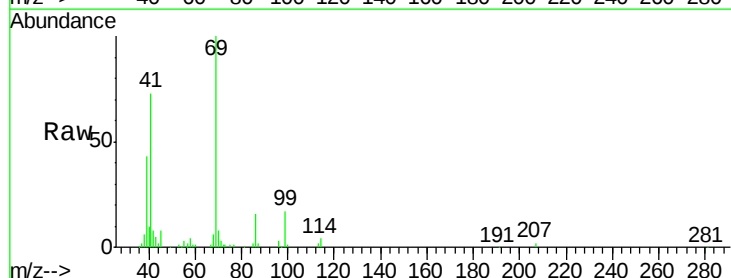
Tgt Ion: 69 Resp: 78611

Ion Ratio Lower Upper

69 100

41 72.0 57.1 85.7

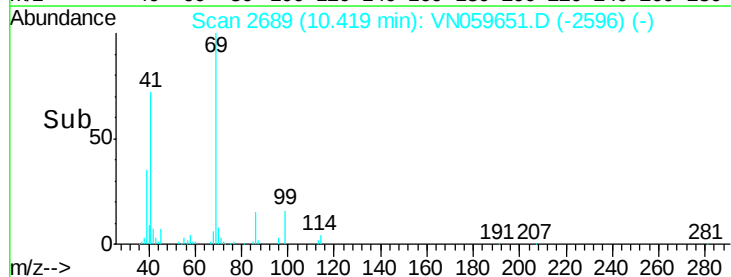
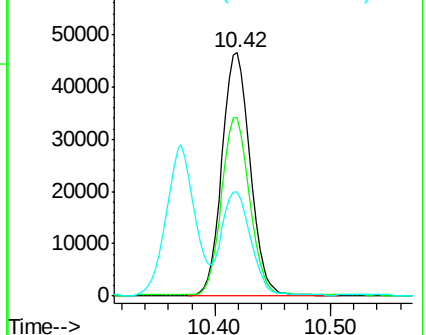
39 43.6 34.7 52.1

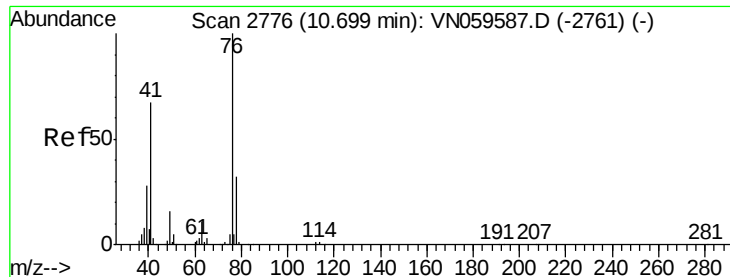


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





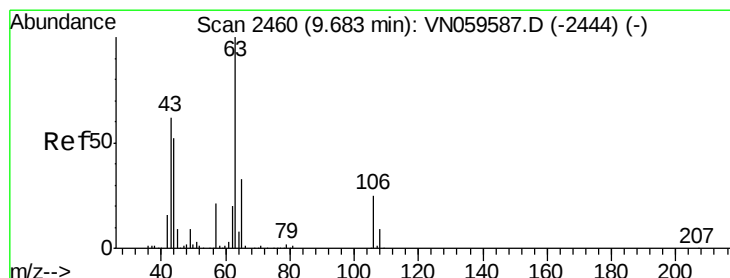
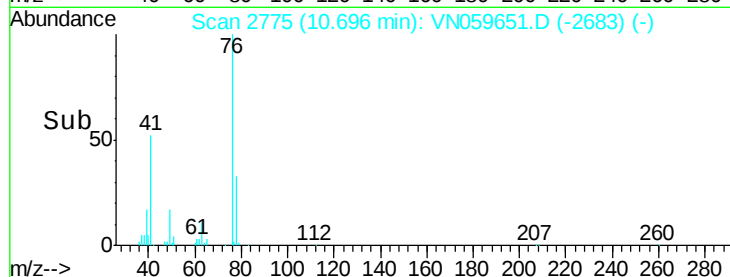
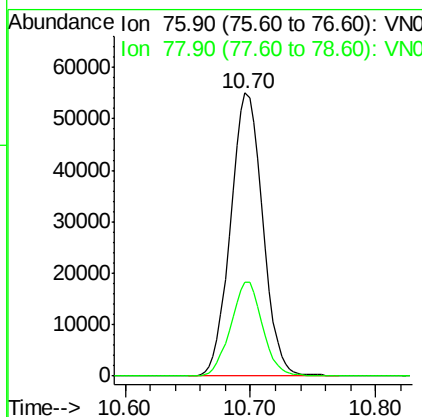
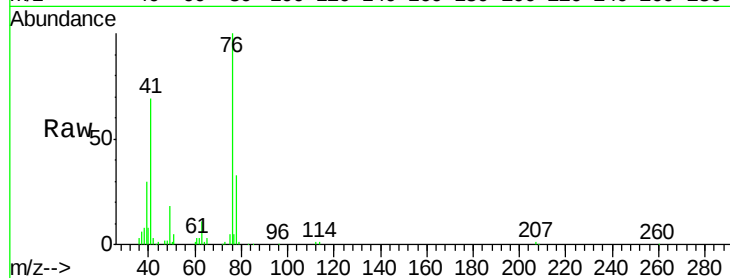
#57
 1,3-Dichloropropane
 Concen: 19.562 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VN059651.D
 Acq: 18 Dec 2019 16:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.8	38.8

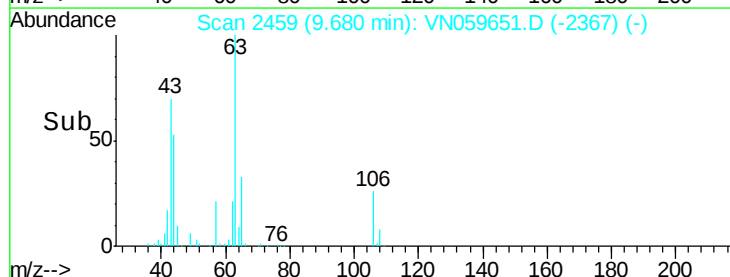
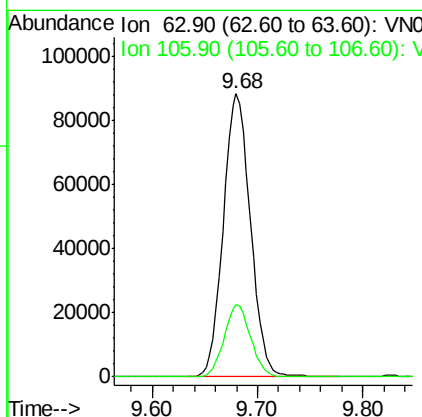
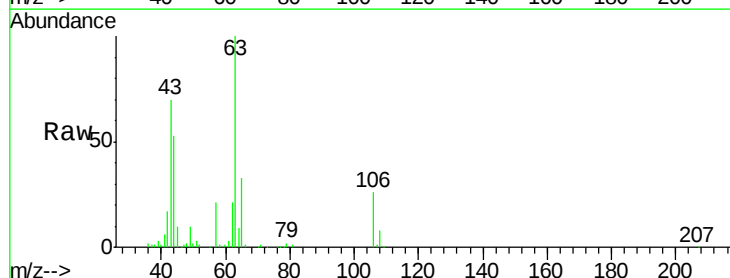
Manual Integrations
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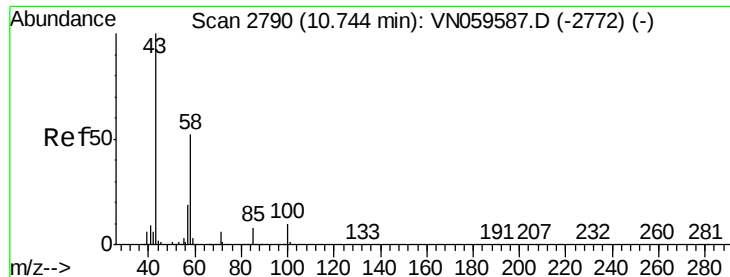
MMDadoda
 12/19/2019 11:11:57 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 115.313 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN059651.D
 Acq: 18 Dec 2019 16:04

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.9	20.2	30.2





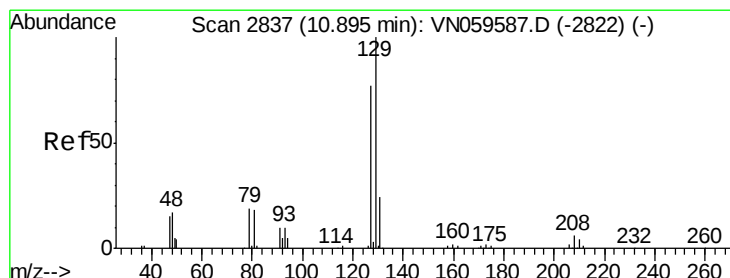
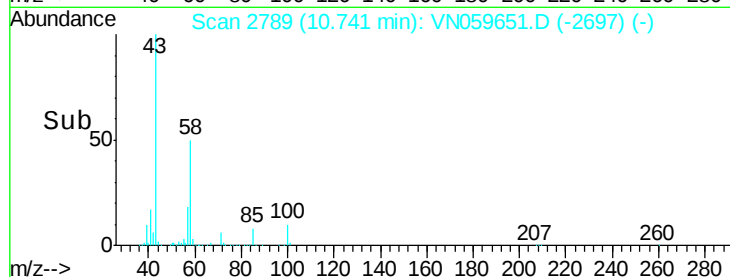
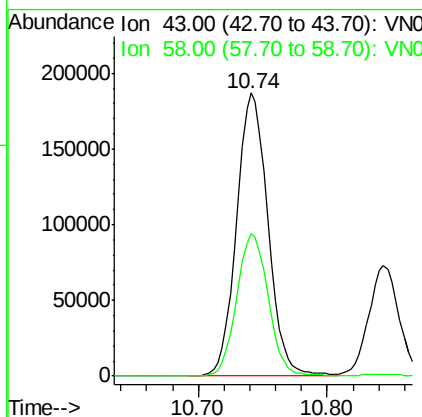
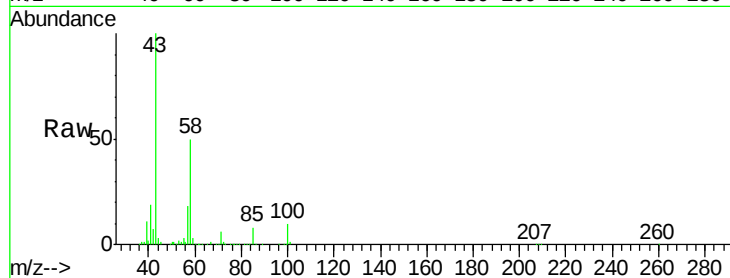
#59
2-Hexanone
Concen: 90.750 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.8	25.8	77.3

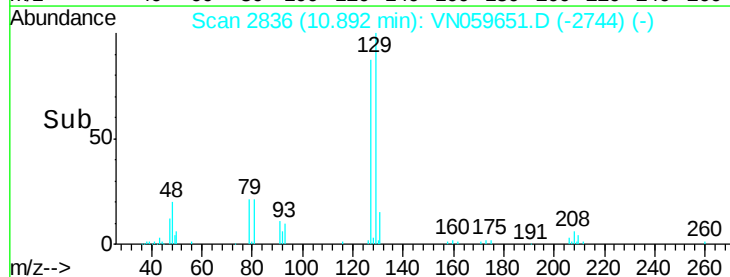
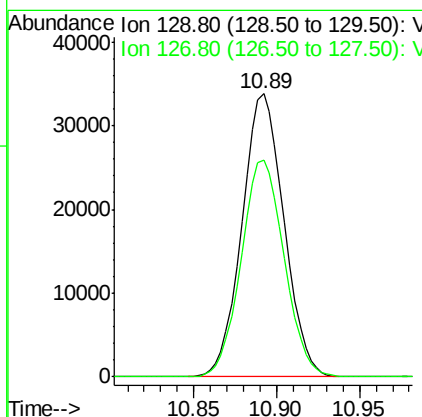
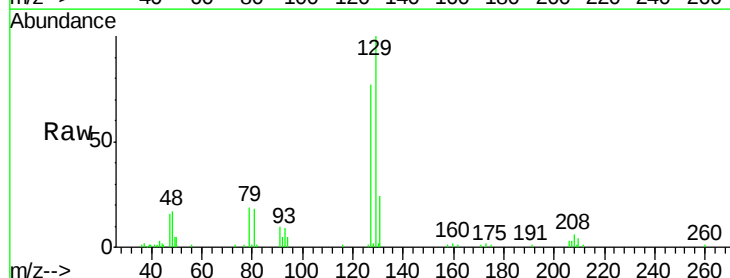
Manual Integrations
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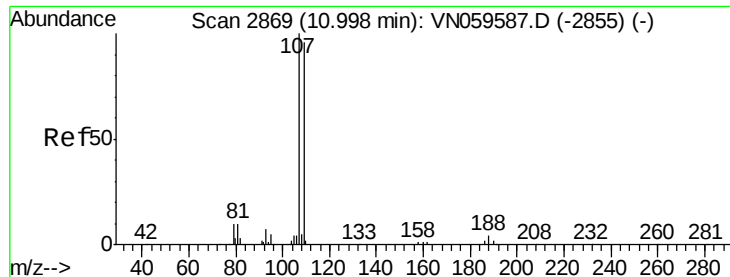
MMDadoda
12/19/2019 11:11:57 AM



#60
Dibromochloromethane
Concen: 18.925 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.5	38.5	115.5





#61

1,2-Dibromoethane

Concen: 18.865 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS02

Tot Ion: 107 Resp: 57719

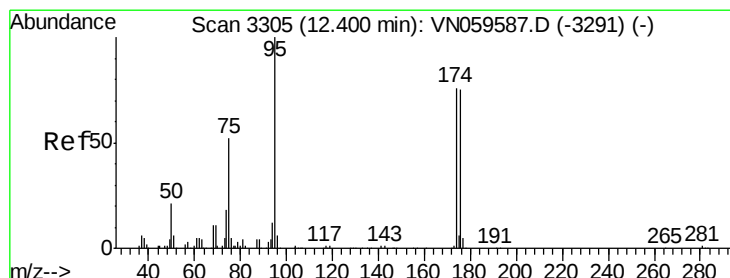
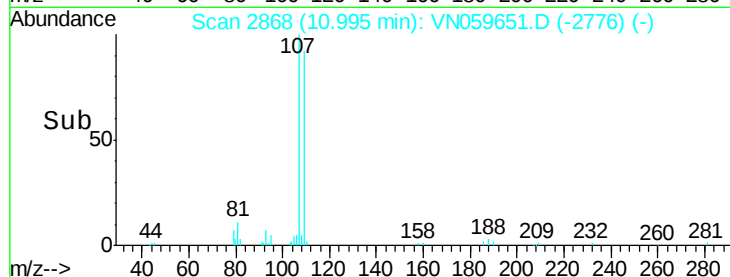
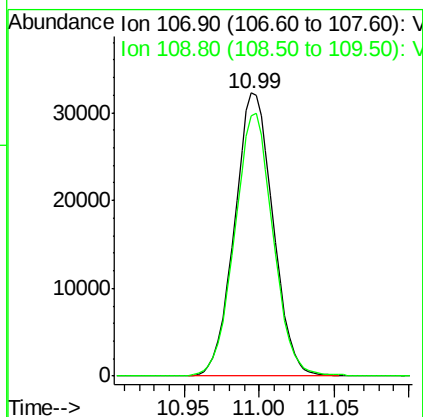
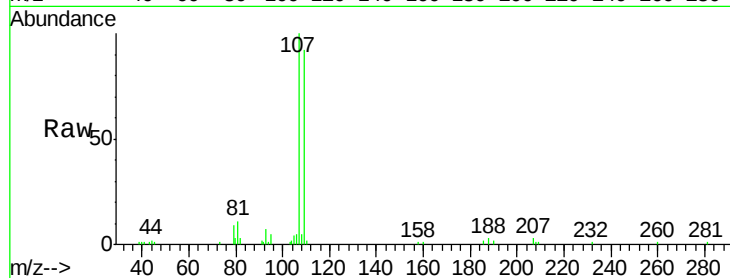
Ion Ratio Lower Upper

107 100

109 92.7 76.6 115.0

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#62

4-Bromofluorobenzene

Concen: 48.356 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

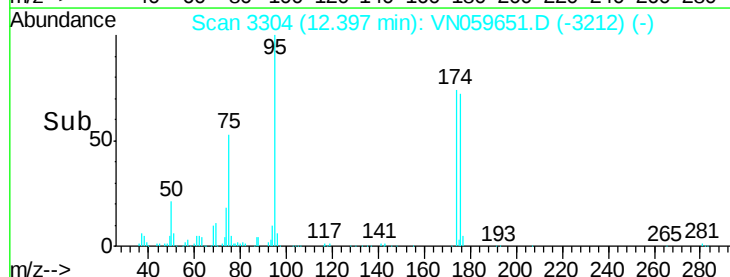
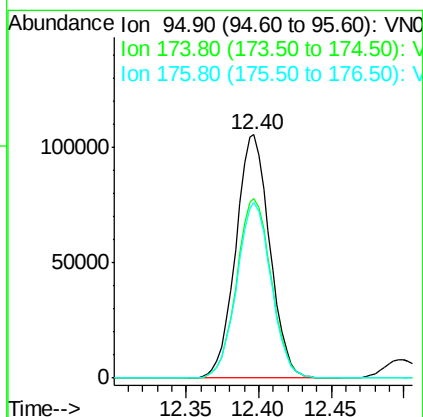
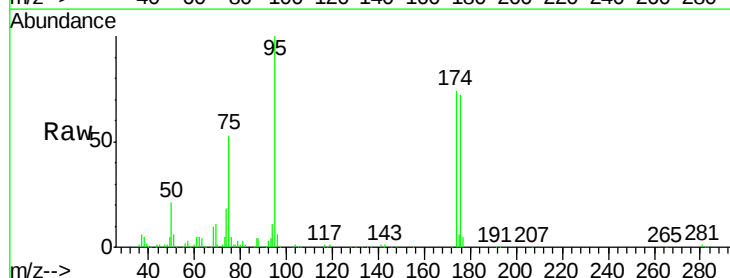
Tgt Ion: 95 Resp: 171607

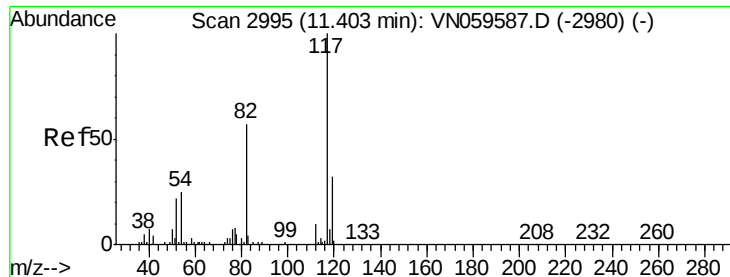
Ion Ratio Lower Upper

95 100

174 75.4 0.0 151.4

176 73.0 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :

MSVOA_N

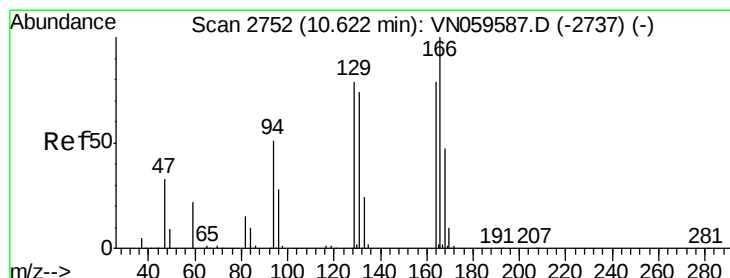
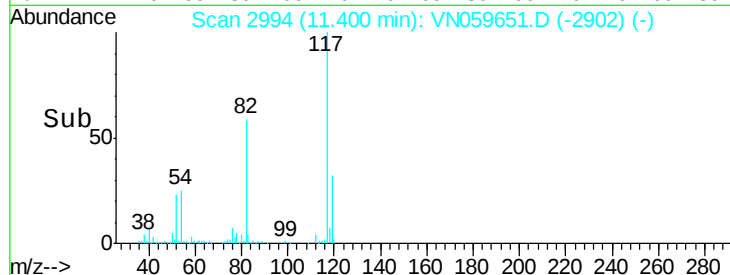
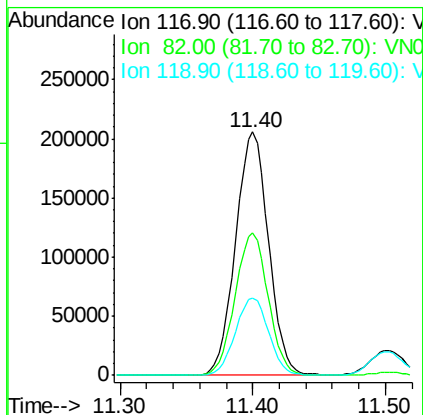
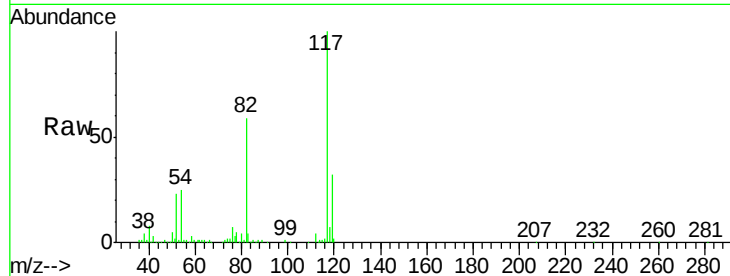
ClientSampleId :

VN1218MBS02

Tot Ion:	117	Resp:	355575
Ion Ratio		Lower	Upper
117	100		
82	58.7	45.9	68.9
119	32.0	25.5	38.3

Manual Integrations
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#64

Tetrachloroethene

Concen: 16.734 ug/l

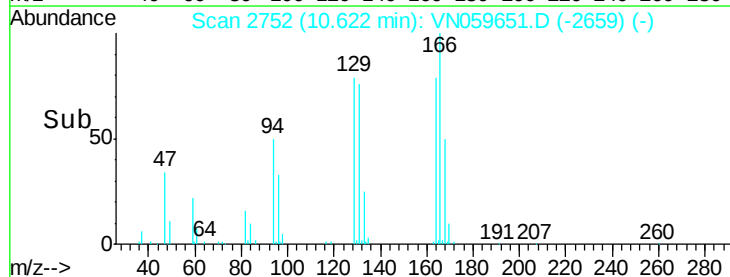
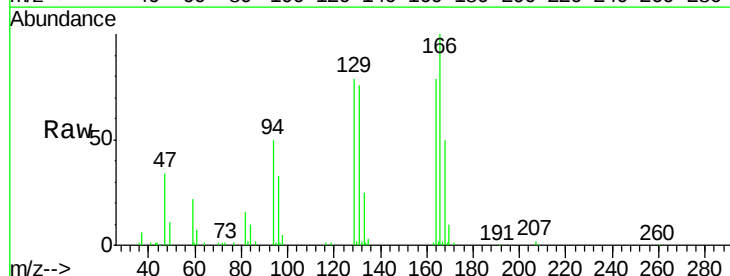
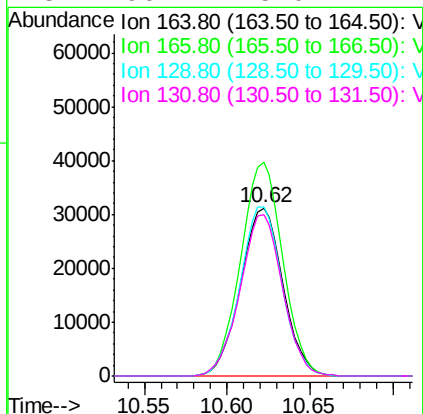
RT: 10.62 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Tgt Ion:	164	Resp:	55469
Ion Ratio		Lower	Upper
164	100		
166	127.1	101.4	152.0
129	100.5	80.2	120.4
131	96.2	75.0	112.4





#65

Chlorobenzene

Concen: 18.571 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS02

Tot Ion:112 Resp: 142879

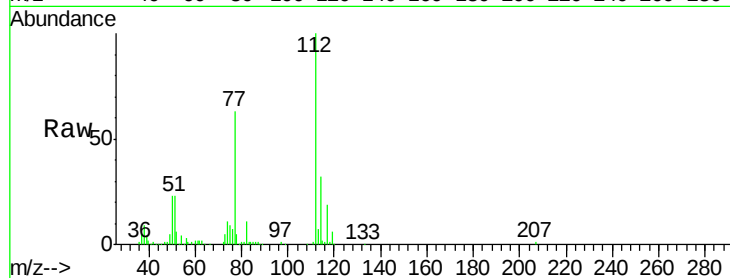
Ion Ratio Lower Upper

112 100

114 32.1 25.8 38.8

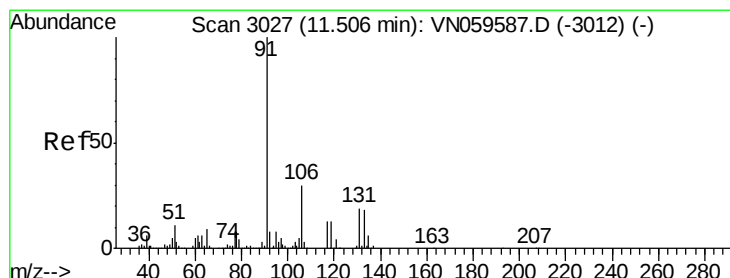
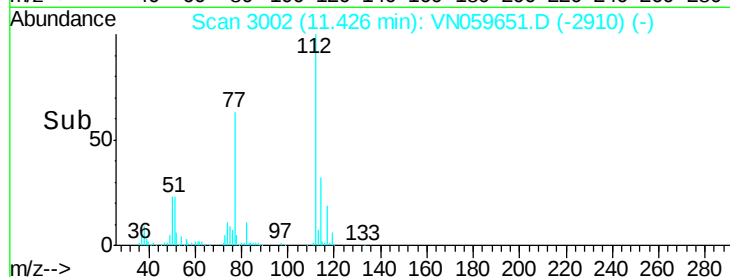
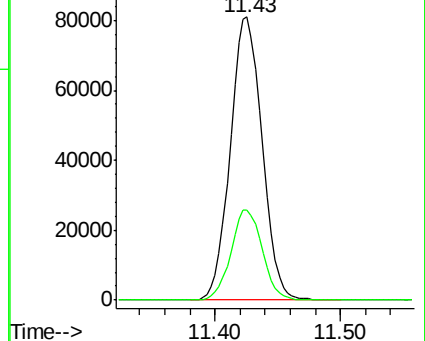
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.880 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.01 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

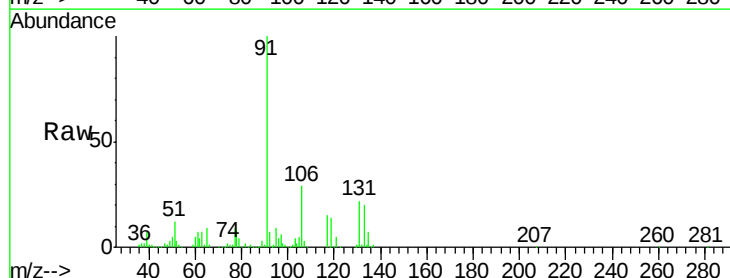
Tgt Ion:131 Resp: 55175

Ion Ratio Lower Upper

131 100

133 94.3 47.4 142.2

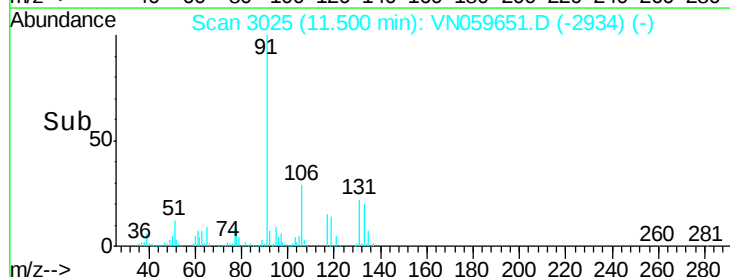
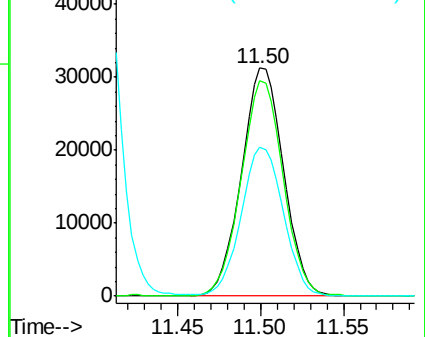
119 65.5 33.1 99.3

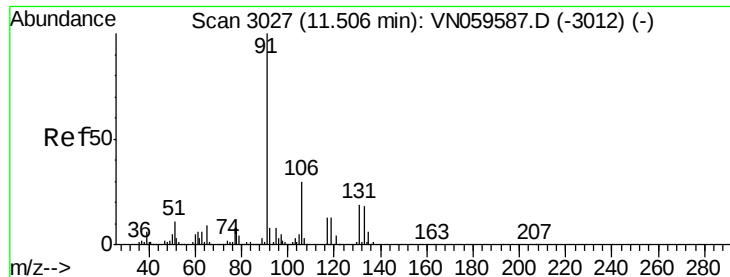


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 18.574 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS02

Tot Ion: 91 Resp: 257945

Ion Ratio Lower Upper

91 100

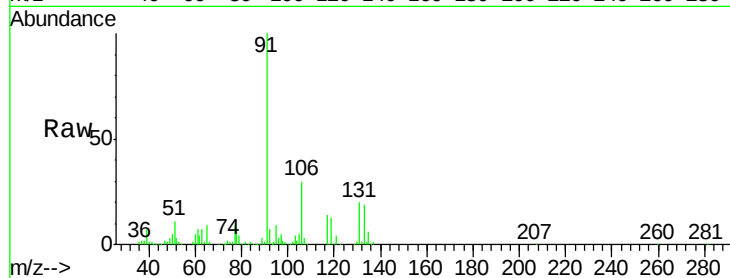
106 30.2 24.1 36.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN059587.D (-3012) (-)

200000

150000

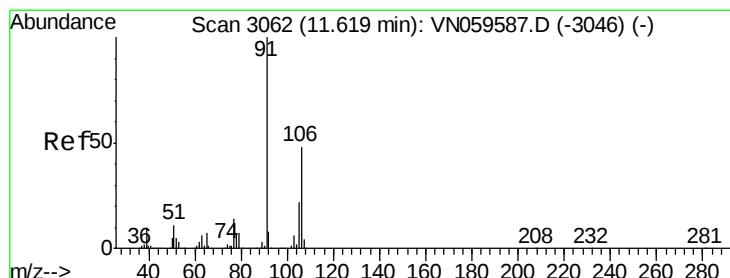
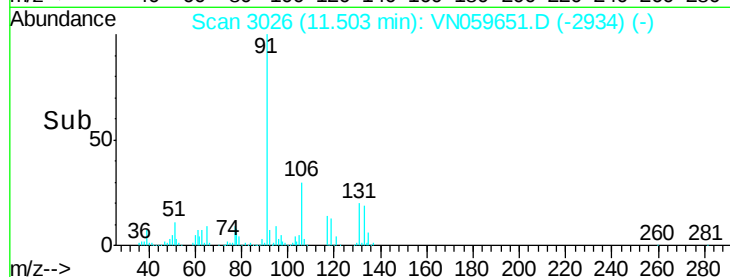
100000

50000

0

11.45 11.50 11.55

Time-->



#68

m/p-Xylenes

Concen: 36.916 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059651.D

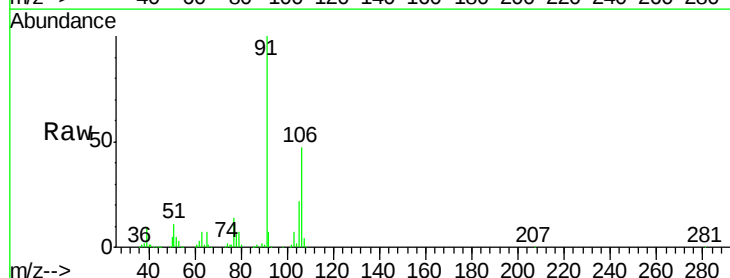
Acq: 18 Dec 2019 16:04

Tgt Ion: 106 Resp: 189315

Ion Ratio Lower Upper

106 100

91 207.5 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN059587.D (-3046) (-)

Ion 91.00 (90.70 to 91.70): VN059587.D (-3046) (-)

200000

150000

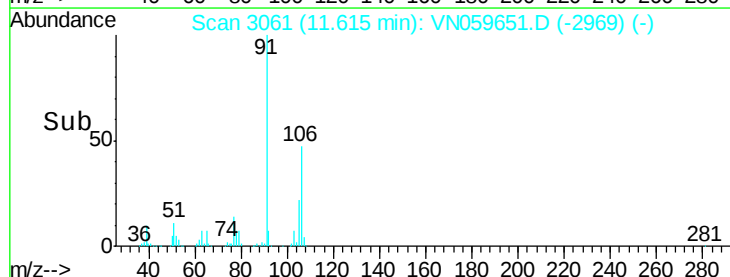
100000

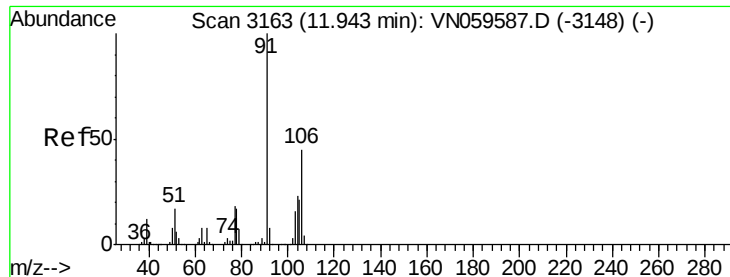
50000

0

11.50 11.60 11.70

Time-->





#69

o-Xylene

Concen: 18.210 ug/l

RT: 11.94 min Scan# 3162

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS02

Tot Ion:106 Resp: 88857

Ion Ratio Lower Upper

106 100

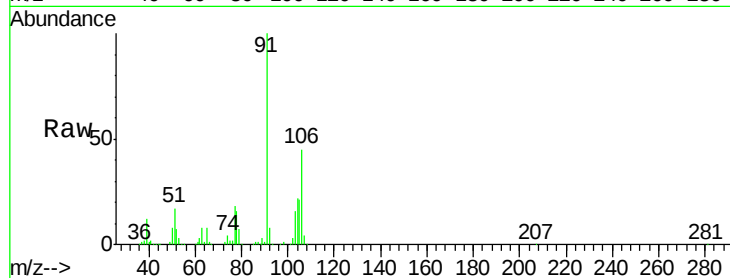
91 223.6 110.3 330.9

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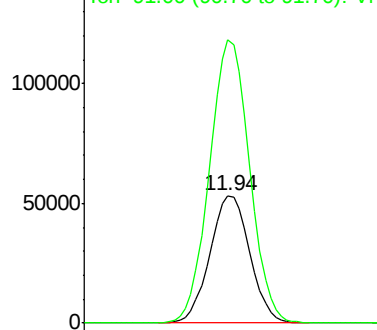
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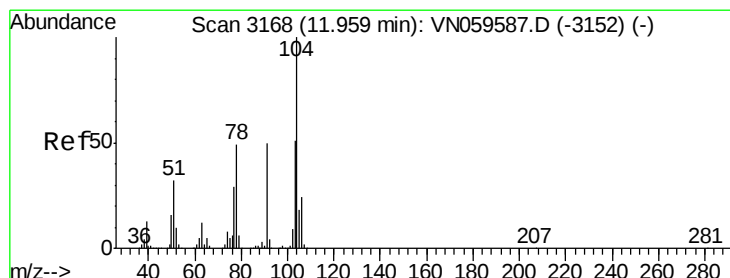
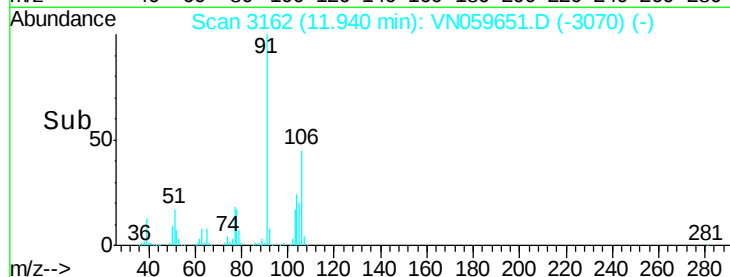


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



Time-->



#70

Styrene

Concen: 18.126 ug/l

RT: 11.96 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

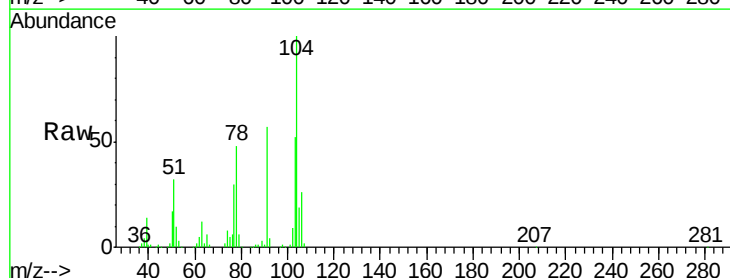
Tgt Ion:104 Resp: 142107

Ion Ratio Lower Upper

104 100

78 53.0 42.4 63.6

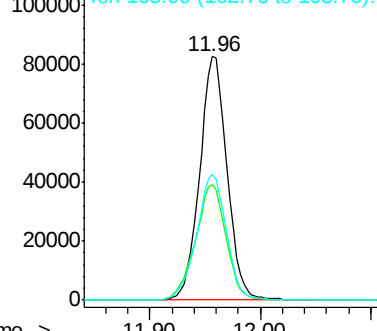
103 56.1 43.9 65.9



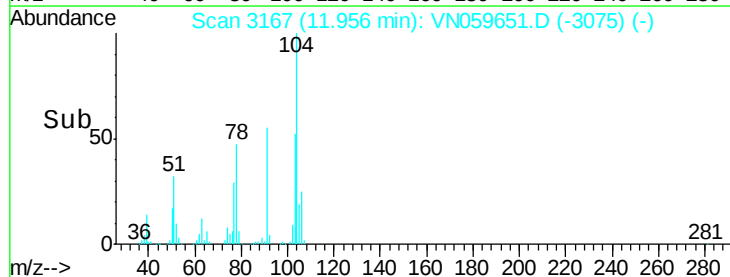
Abundance Ion 104.00 (103.70 to 104.70): V

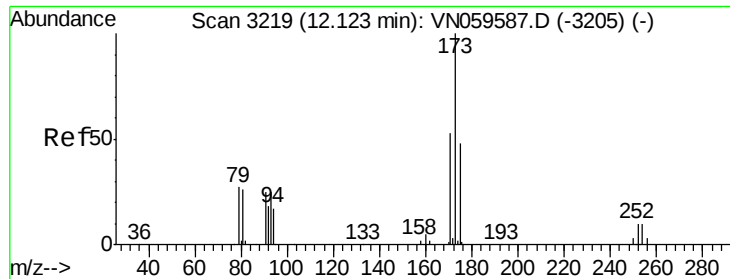
Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



Time-->





#71

Bromoform

Concen: 18.586 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS02

Tot Ion:173 Resp: 40829

Ion Ratio Lower Upper

173 100

175 49.4 23.8 71.4

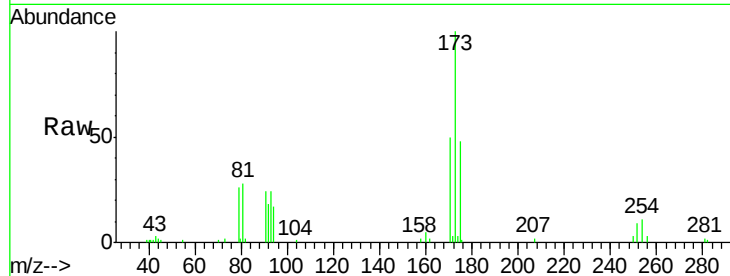
254 0.0 0.0 0.0

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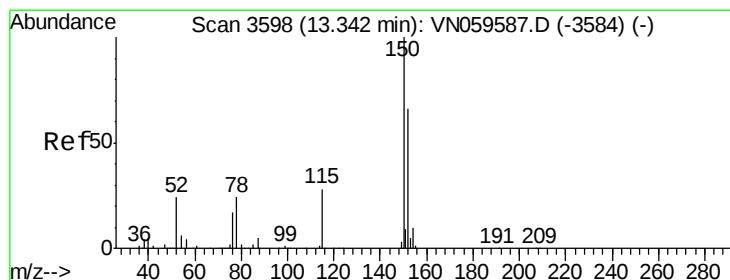
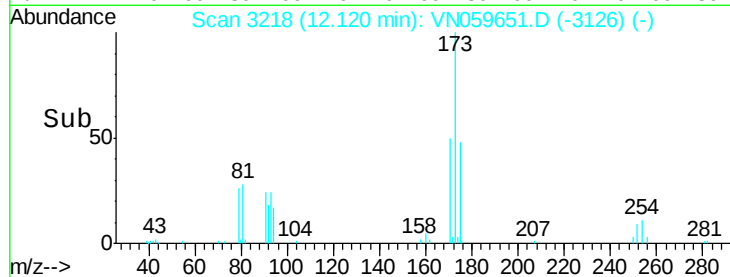
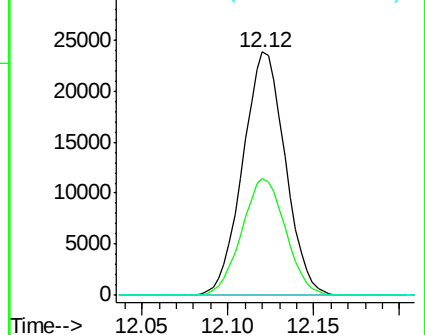
12/19/2019 11:11:57 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

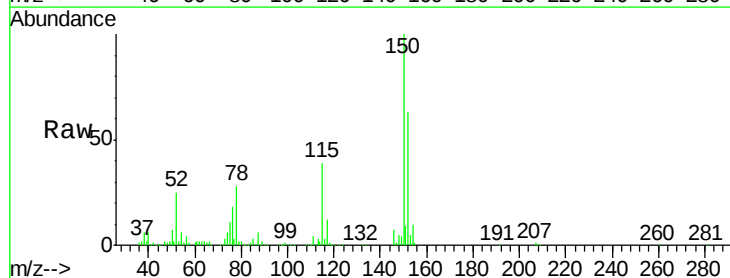
Tgt Ion:152 Resp: 161814

Ion Ratio Lower Upper

152 100

115 61.3 30.3 90.9

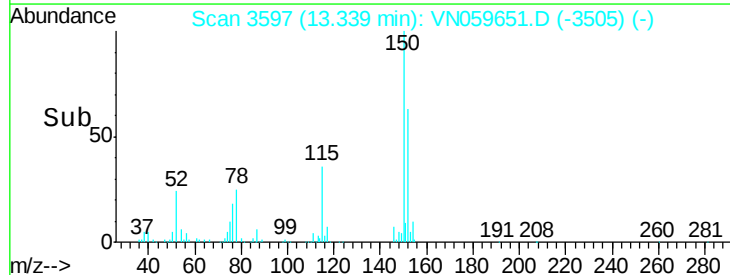
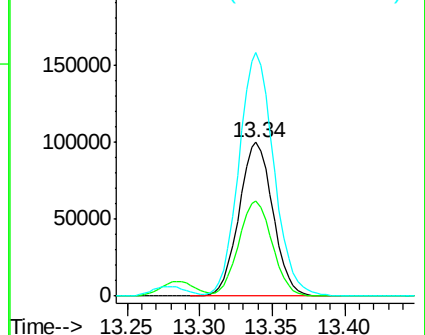
150 164.0 0.0 345.2

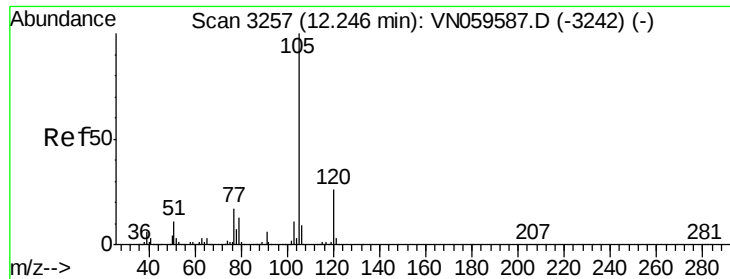


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.759 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS02

Tot Ion: 105 Resp: 238284

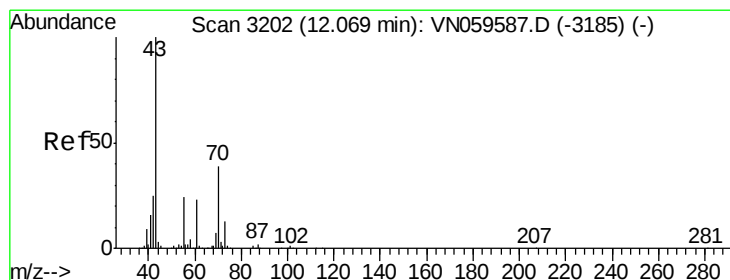
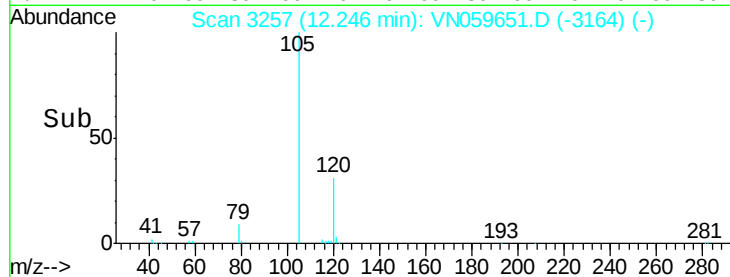
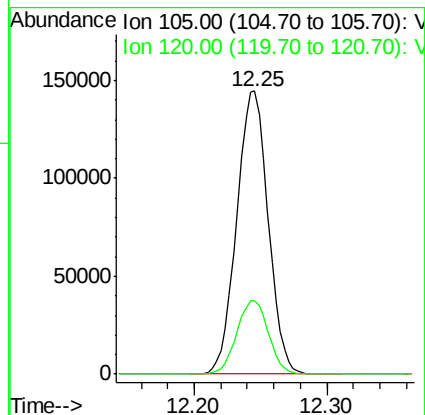
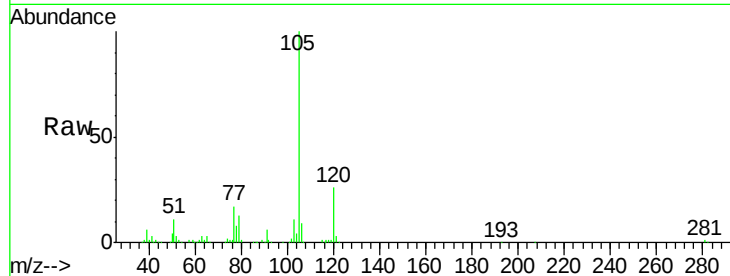
Ion Ratio Lower Upper

105 100

120 26.2 13.2 39.5

Manual Integrations
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MMDadoda
12/19/2019 11:11:57 AM



#74

N-ethyl acetate

Concen: 18.663 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.01 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Tgt Ion: 43 Resp: 108744

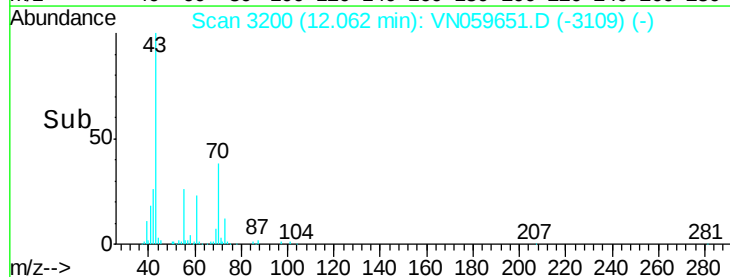
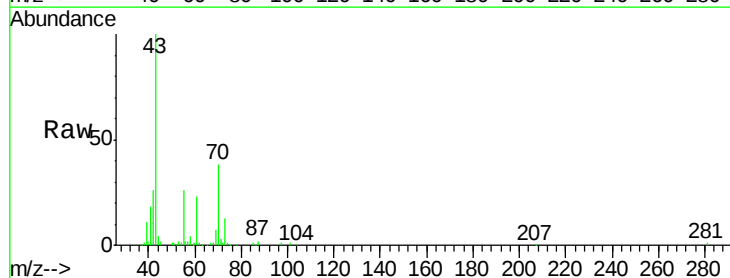
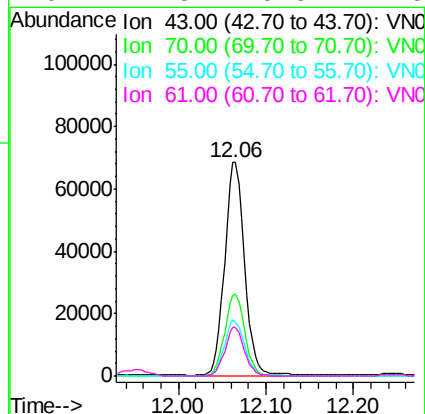
Ion Ratio Lower Upper

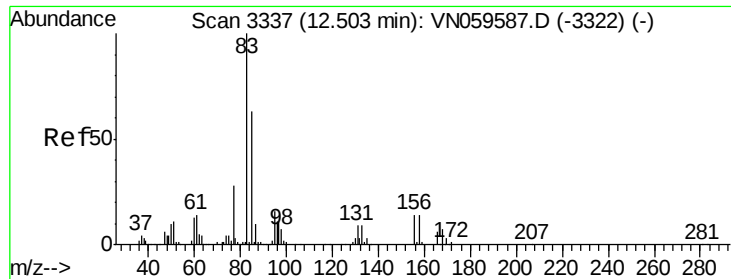
43 100

70 38.6 31.3 46.9

55 26.3 19.8 29.6

61 22.3 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.604 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :

MSVOA_N

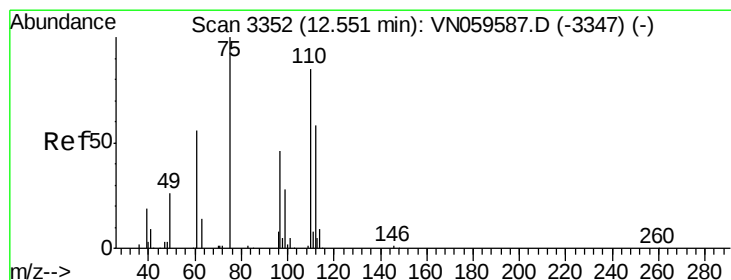
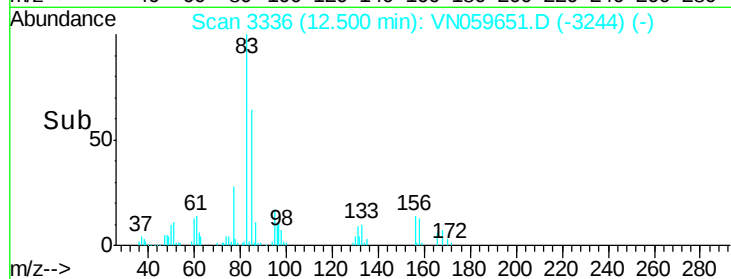
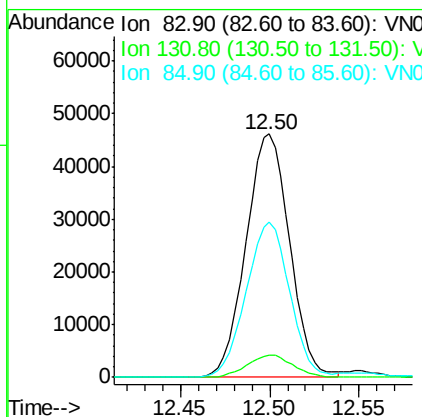
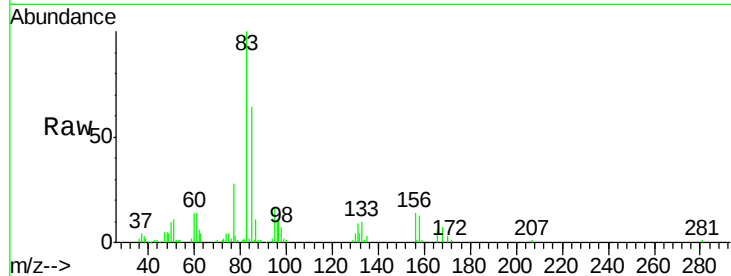
ClientSampleId :

VN1218MBS02

Tot Ion:	83	Resp:	78991
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.0	14.9
85	63.3	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.601 ug/l m

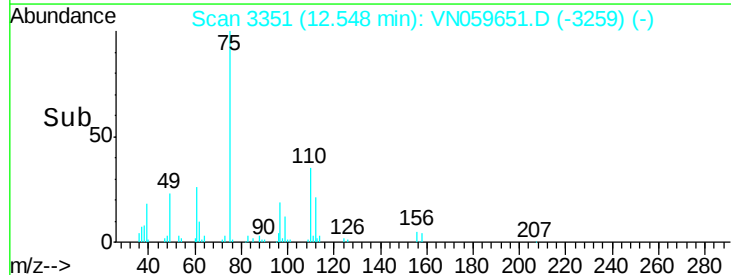
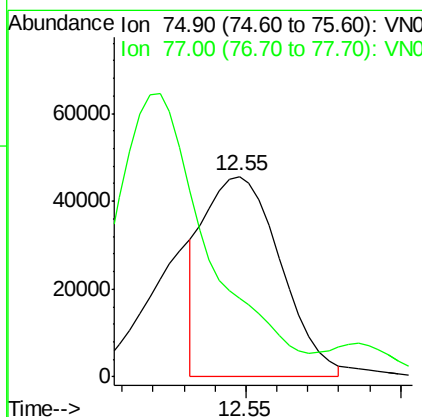
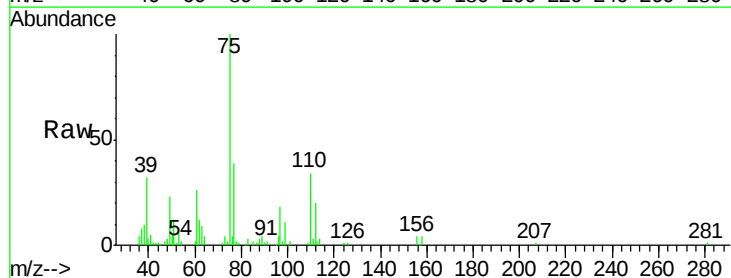
RT: 12.55 min Scan# 3351

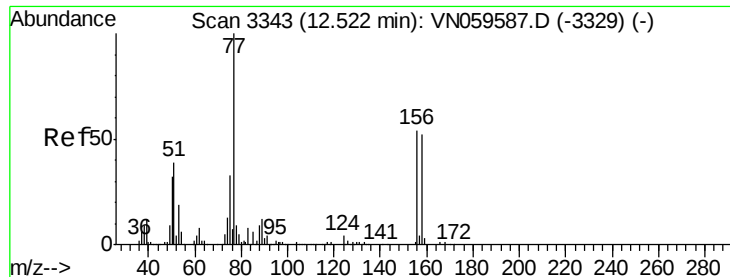
Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Tgt Ion:	75	Resp:	78517
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.647 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :

MSVOA_N

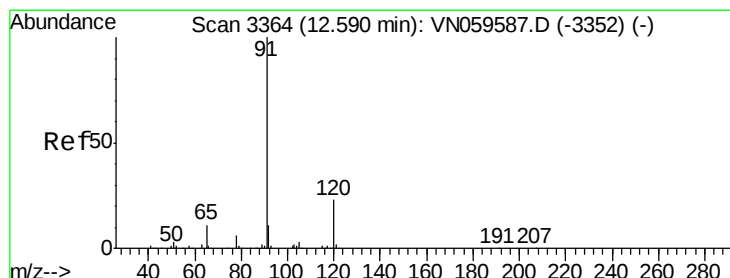
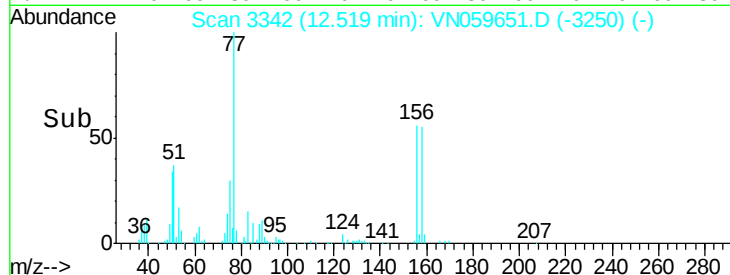
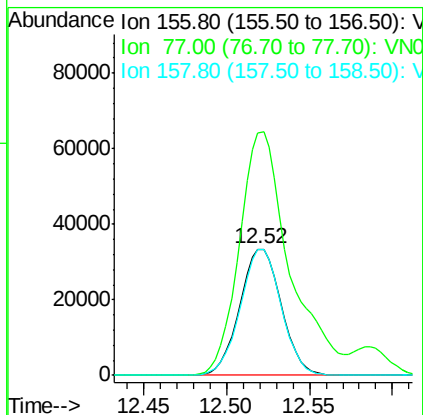
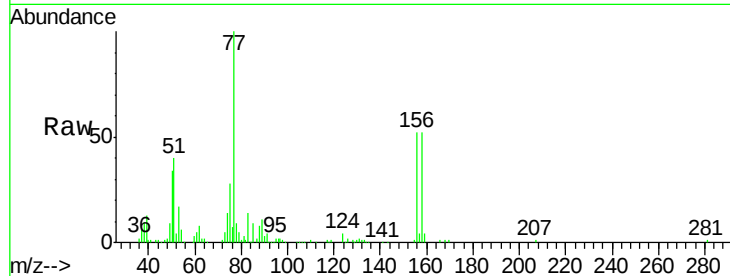
ClientSampleId :

VN1218MBS02

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	233.6	115.8	347.4	
158	98.1	49.2	147.6	

Manual Integrations
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MMDadoda
12/19/2019 11:11:57 AM



#78

n-propylbenzene

Concen: 19.053 ug/l

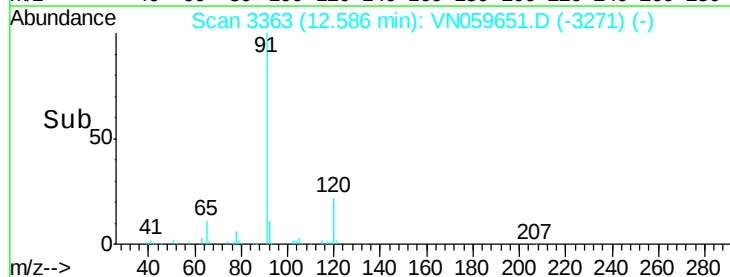
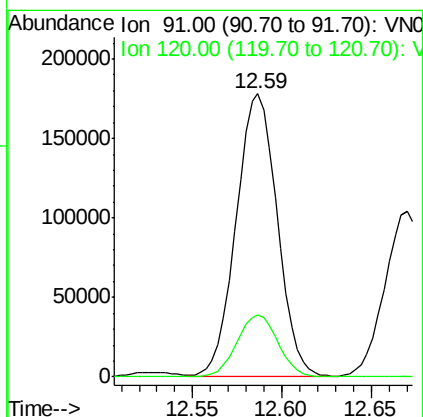
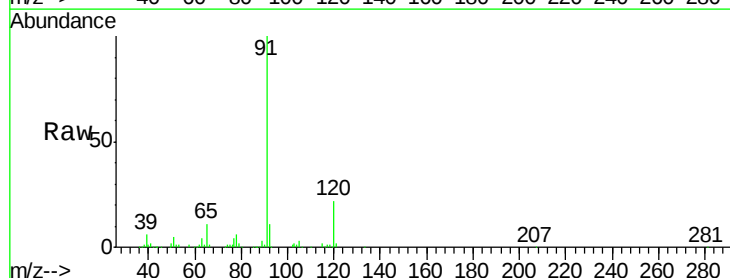
RT: 12.59 min Scan# 3363

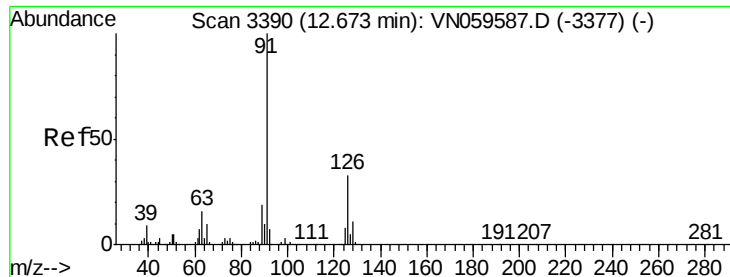
Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.8	11.1	33.3	





#79

2-Chlorotoluene

Concen: 18.818 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS02

Tot Ion: 91 Resp: 170857

Ion Ratio Lower Upper

91 100

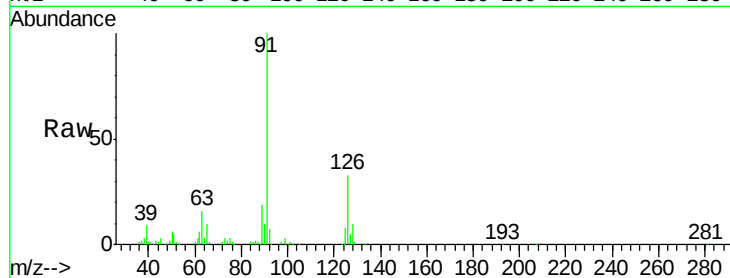
126 33.0 16.3 48.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN059587.D (-3377) (-)

120000

100000

80000

60000

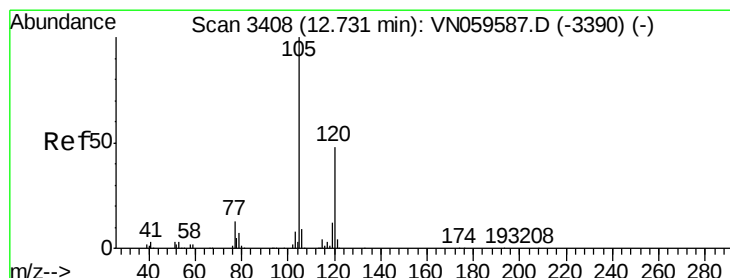
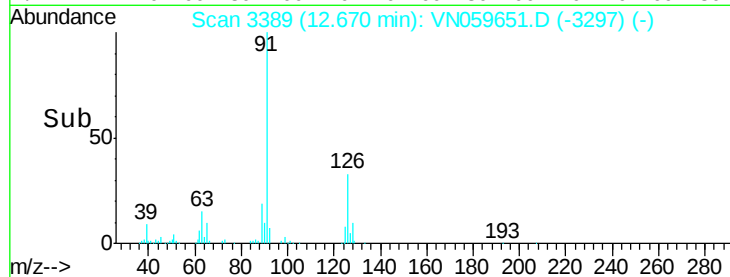
40000

20000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.749 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN059651.D

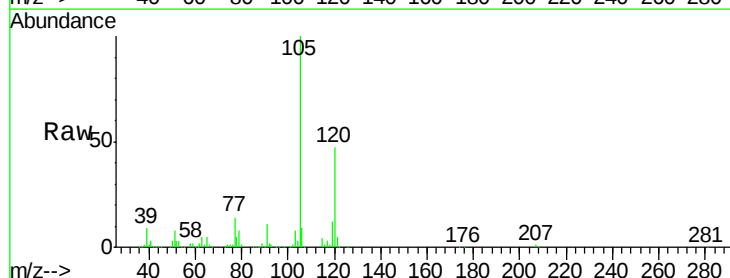
Acq: 18 Dec 2019 16:04

Tgt Ion: 105 Resp: 201546

Ion Ratio Lower Upper

105 100

120 47.4 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059587.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN059587.D (-3390) (-)

150000

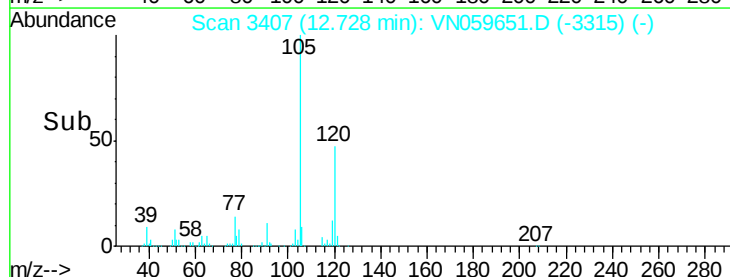
100000

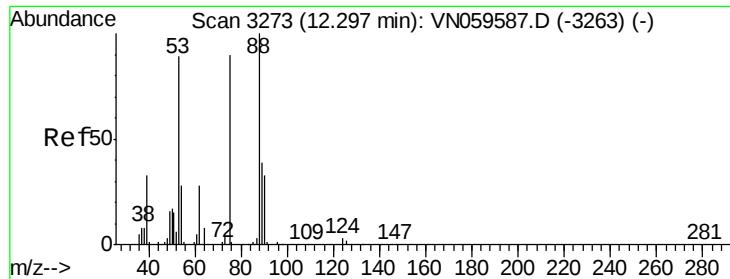
50000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.178 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :

MSVOA_N

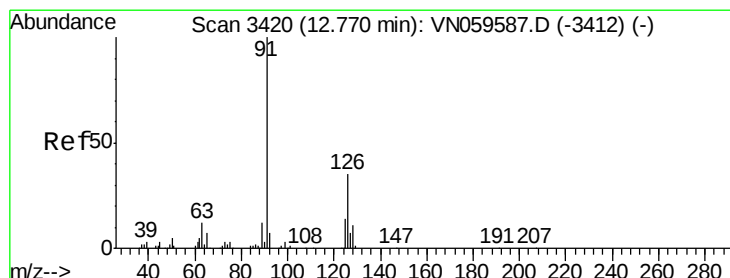
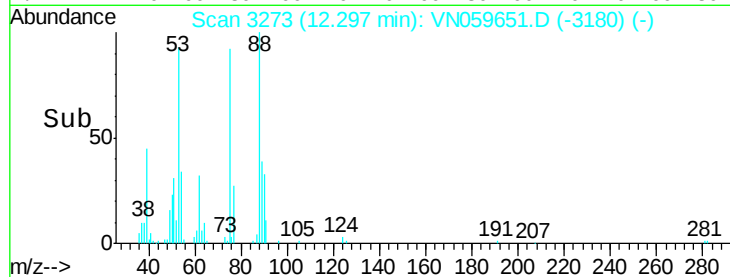
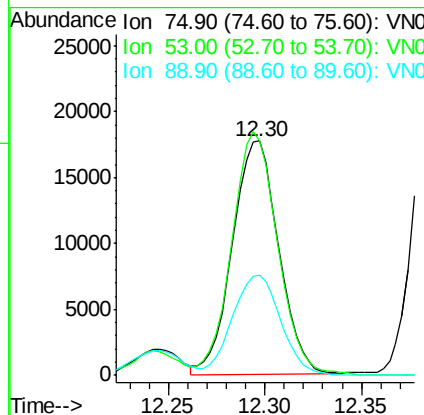
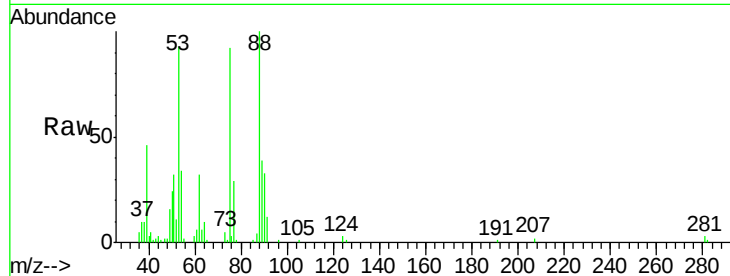
ClientSampleId :

VN1218MBS02

Tot Ion:	75	Resp:	29482
Ion	Ratio	Lower	Upper
75	100		
53	103.5	78.1	117.1
89	45.0	35.4	53.2

Manual Integrations
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12/19/2019 11:11:57 AM



#82

4-Chlorotoluene

Concen: 18.625 ug/l

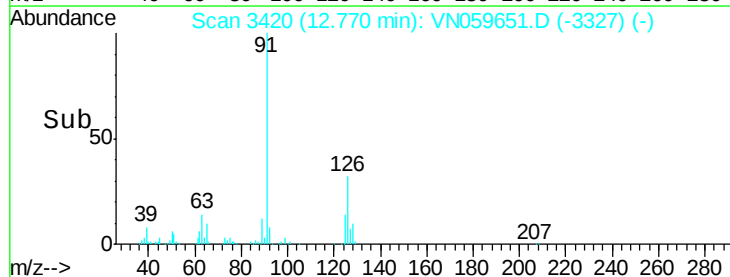
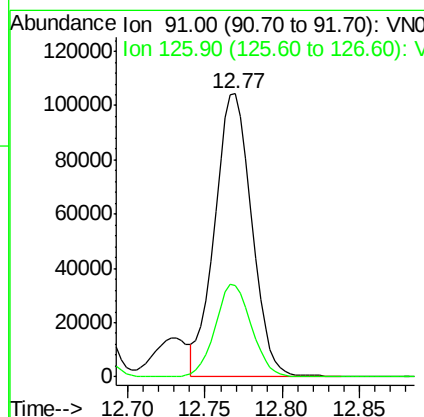
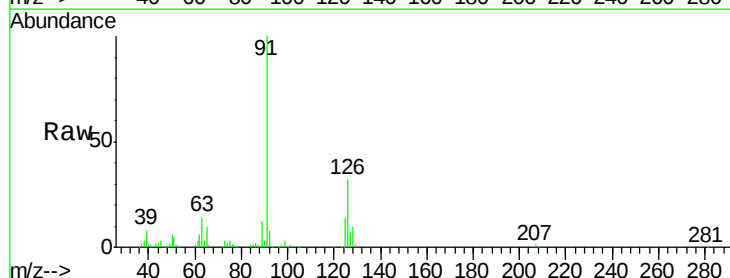
RT: 12.77 min Scan# 3420

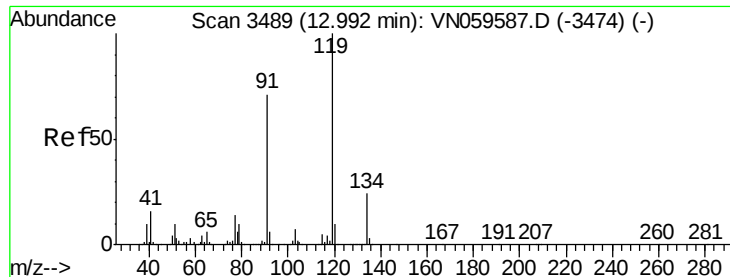
Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Tgt Ion:	91	Resp:	173149
Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.3	48.8





#83

tert-Butylbenzene

Concen: 18.109 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :

MSVOA_N

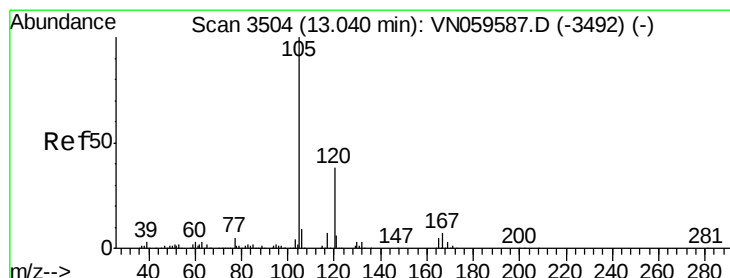
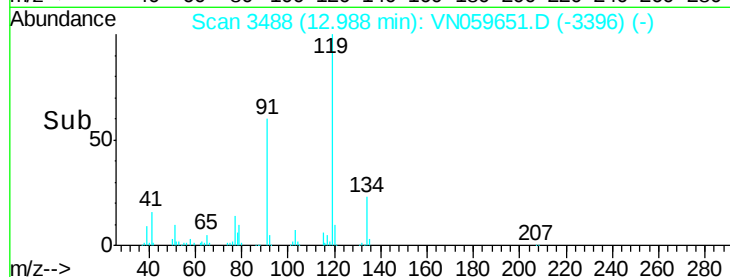
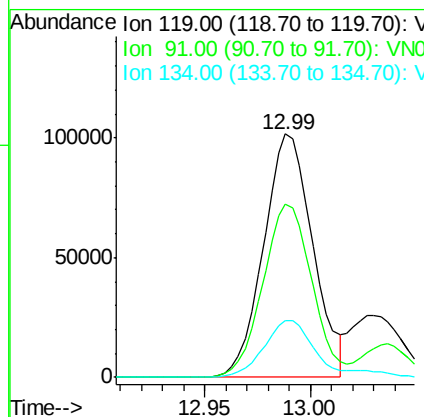
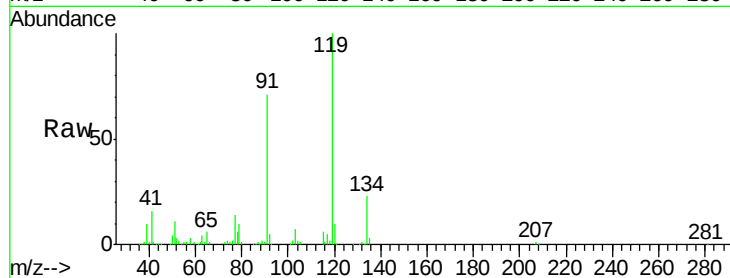
ClientSampleId :

VN1218MBS02

Tot Ion:	119	Resp:	164849
Ion Ratio	Lower	Upper	
119	100		
91	70.8	34.8	104.4
134	23.6	12.3	36.9

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 19.297 ug/l

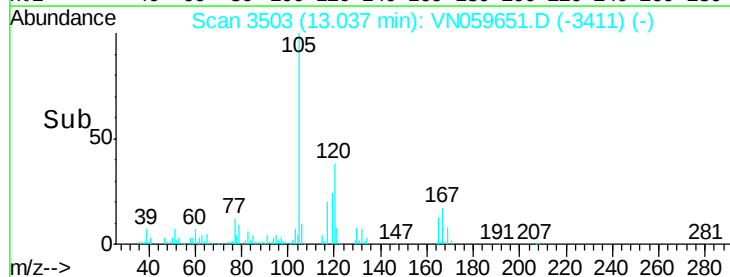
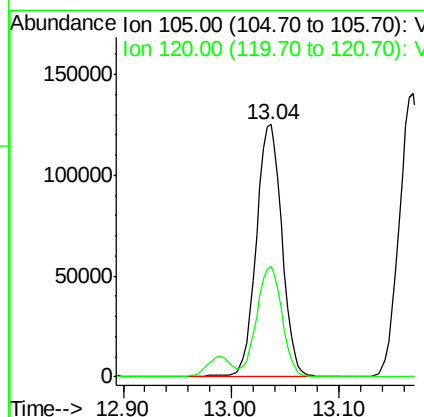
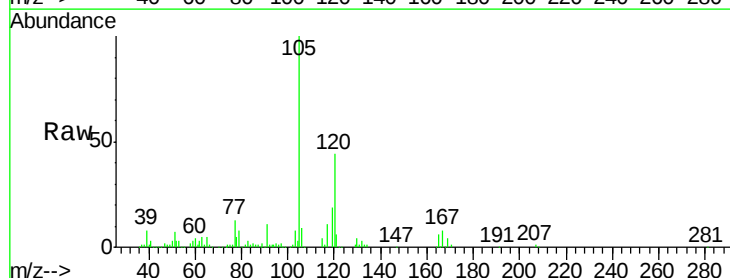
RT: 13.04 min Scan# 3503

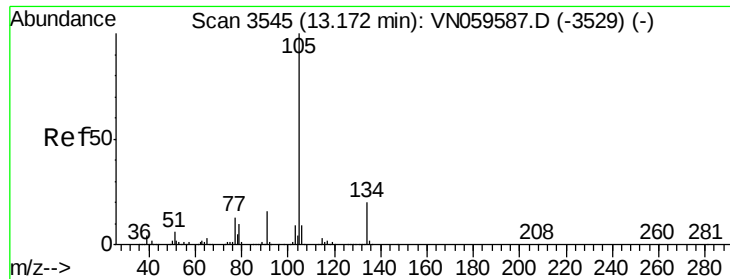
Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Tgt Ion:	105	Resp:	206260
Ion Ratio	Lower	Upper	
105	100		
120	43.2	22.3	66.9





#85

sec-Butylbenzene

Concen: 18.702 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS02

Tot Ion:105 Resp: 226472

Ion Ratio Lower Upper

105 100

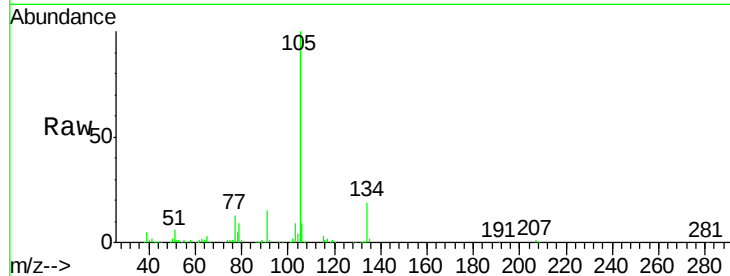
134 18.9 9.8 29.5

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

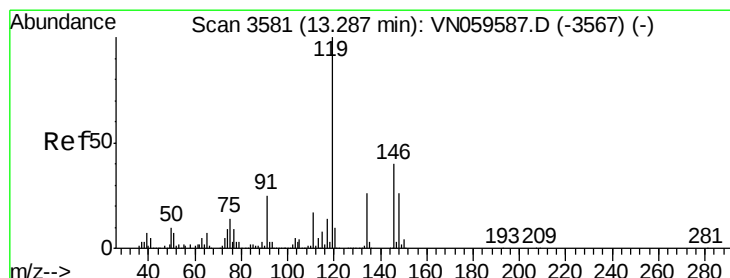
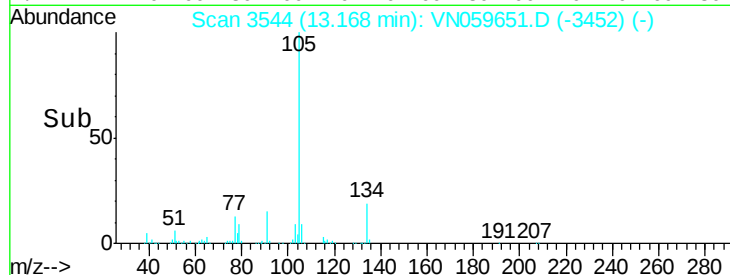
100000

50000

0

13.10 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 18.327 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

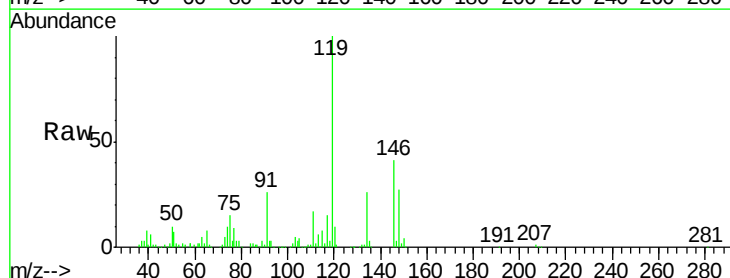
Tgt Ion:119 Resp: 201001

Ion Ratio Lower Upper

119 100

134 26.2 12.9 38.7

91 25.7 12.4 37.4



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

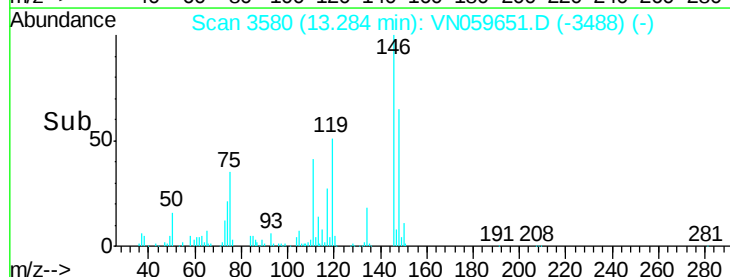
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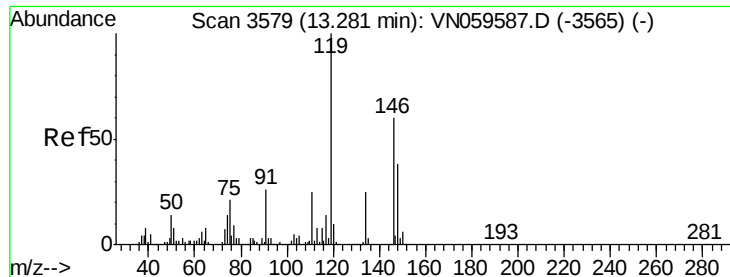
50000

0

13.20 13.25 13.30 13.35

Time-->





#87

1,3-Dichlorobenzene

Concen: 17.841 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :

MSVOA_N

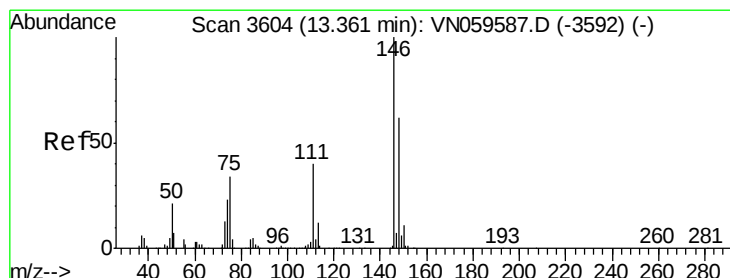
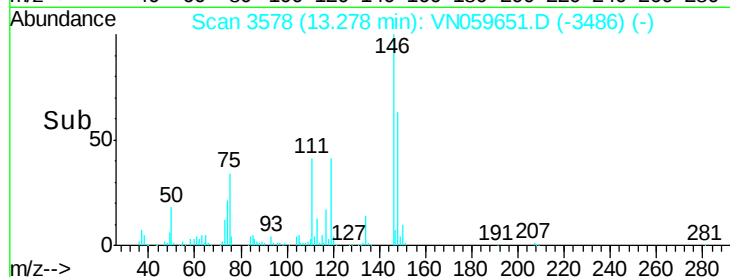
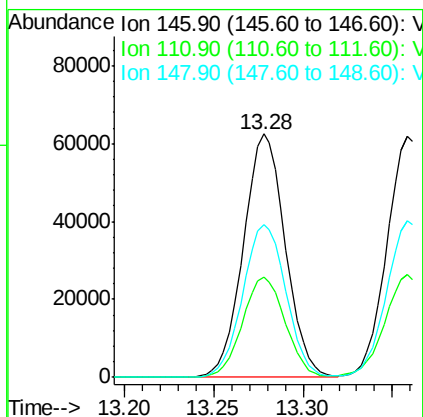
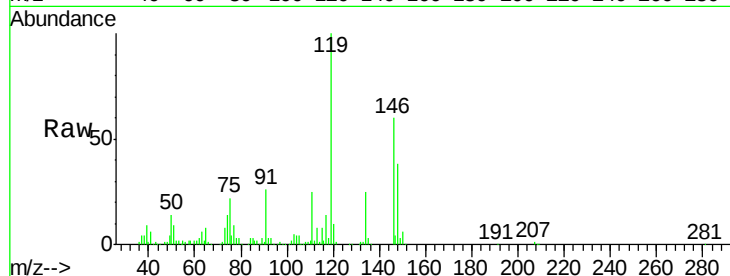
ClientSampleId :

VN1218MBS02

Tot Ion:	146	Resp:	102483
Ion Ratio	Lower	Upper	
146	100		
111	41.9	20.8	62.2
148	64.8	32.0	96.0

Manual Integrations
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12/19/2019 11:11:57 AM



#88

1,4-Dichlorobenzene

Concen: 17.755 ug/l

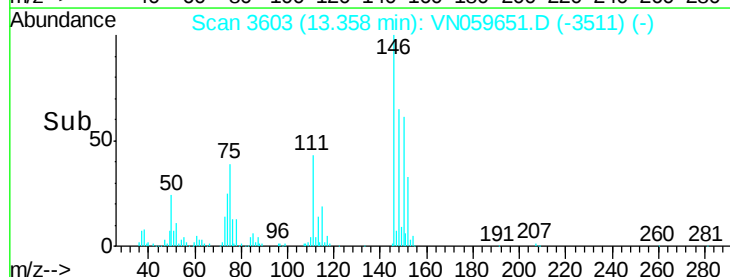
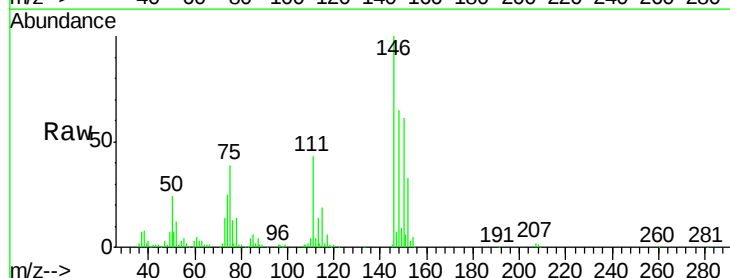
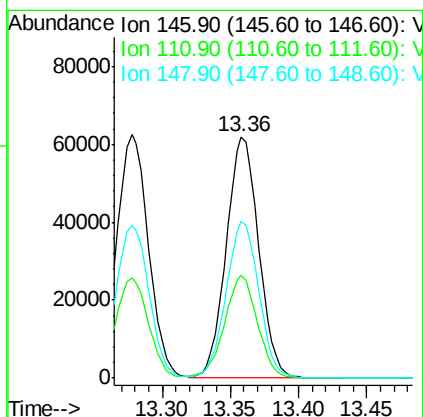
RT: 13.36 min Scan# 3603

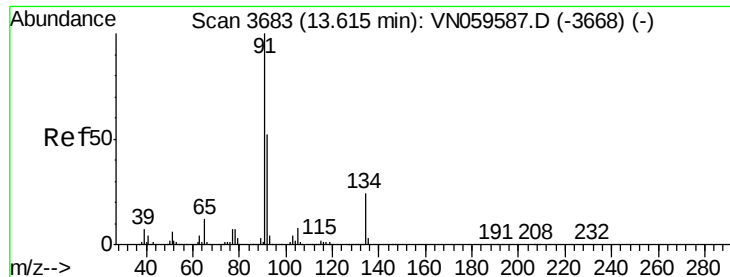
Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Tgt Ion:	146	Resp:	102826
Ion Ratio	Lower	Upper	
146	100		
111	43.0	20.8	62.2
148	65.4	31.8	95.4





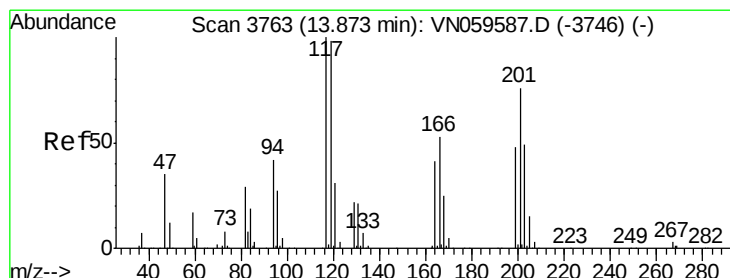
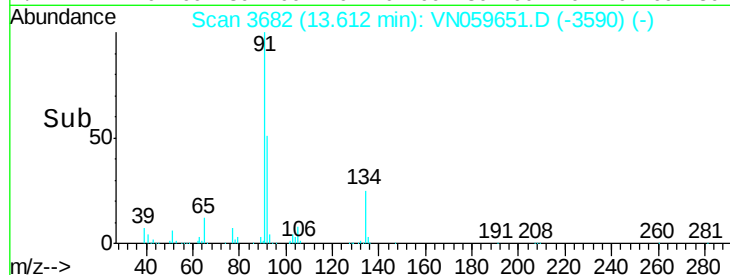
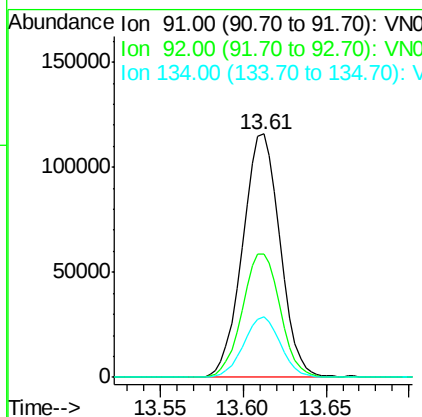
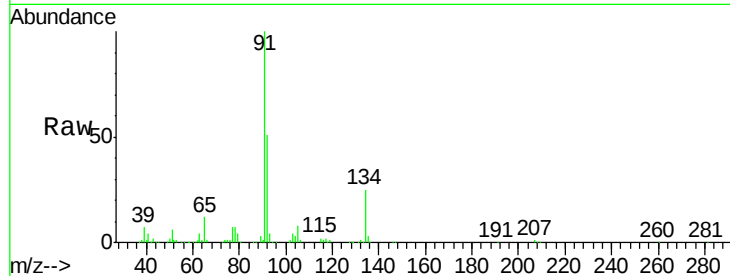
#89
n-Butylbenzene
Concen: 17.736 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	25.9	77.7
134	24.5	12.3	36.8

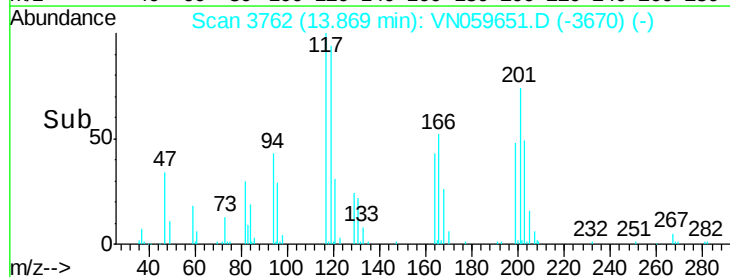
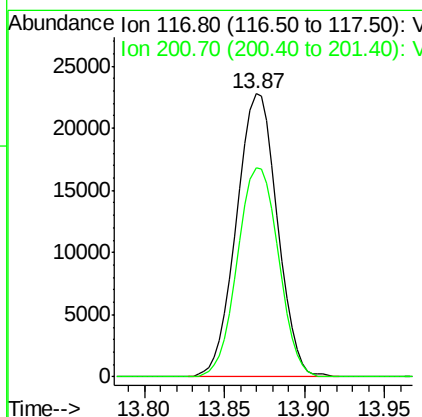
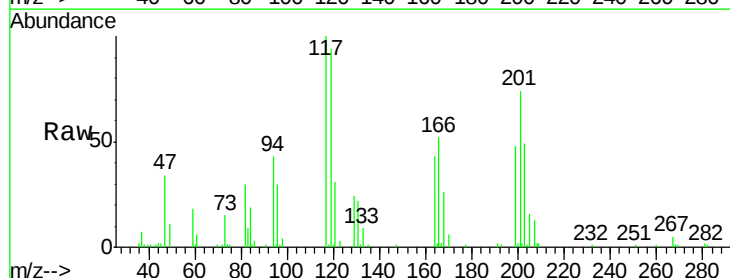
Manual Integrations
APPROVED

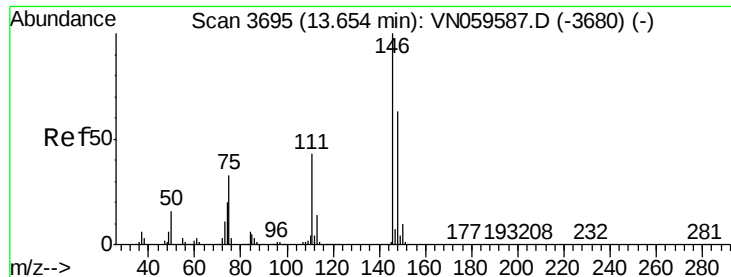
MMDadoda
12/19/2019 11:11:57 AM



#90
Hexachloroethane
Concen: 19.153 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.4	37.8	113.4





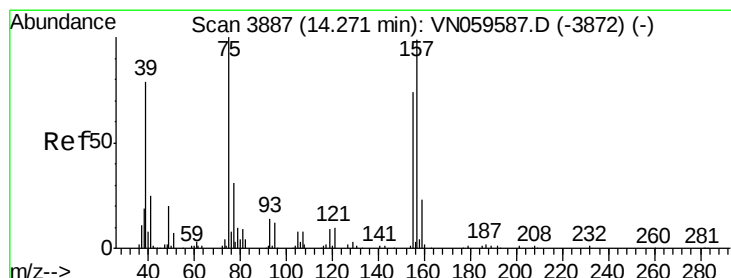
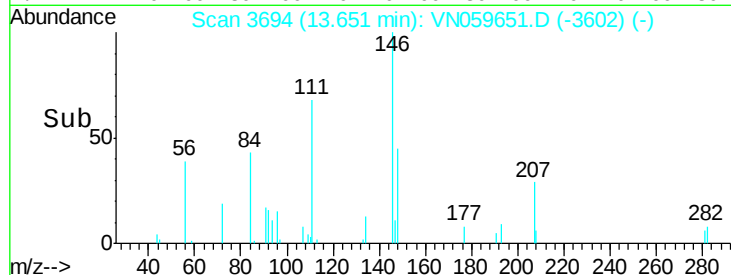
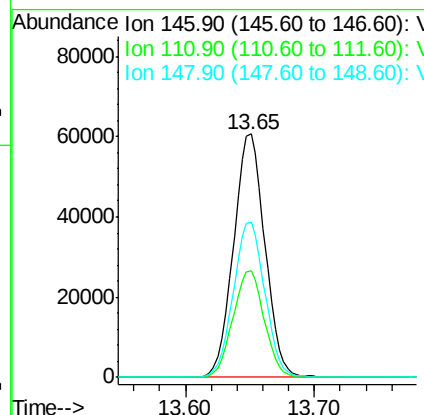
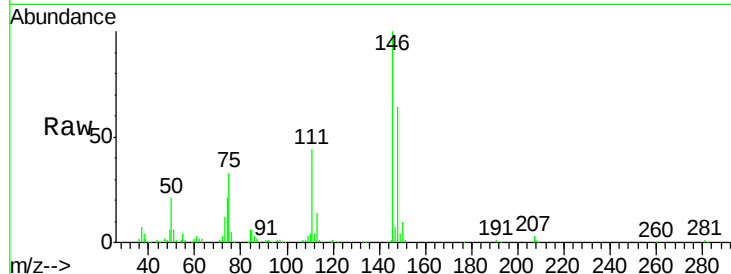
#91
 1,2-Dichlorobenzene
 Concen: 18.087 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN059651.D
 Acq: 18 Dec 2019 16:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.6	64.8
148	63.8	31.6	95.0

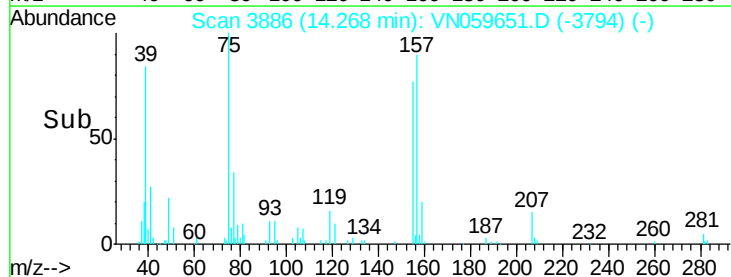
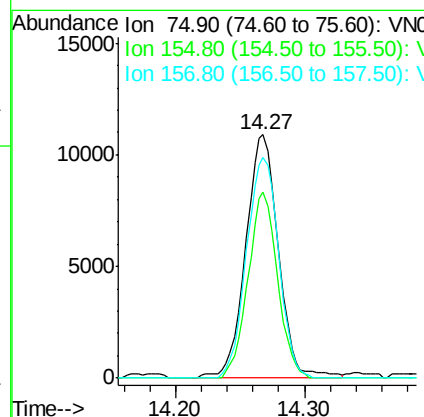
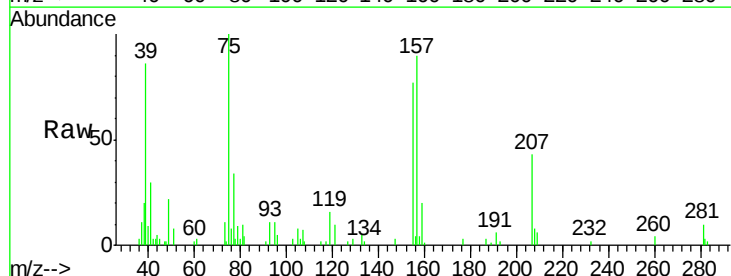
Manual Integrations
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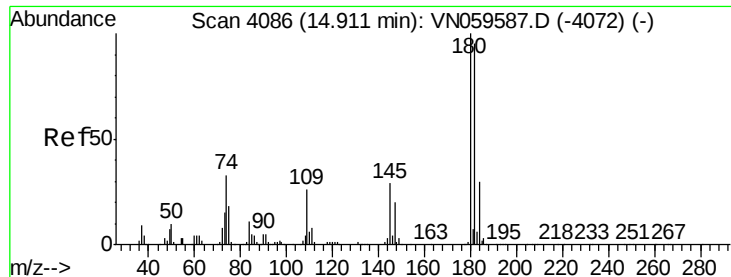
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 12/19/2019 11:11:57 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.131 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN059651.D
 Acq: 18 Dec 2019 16:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.9	37.0	110.9
157	89.3	48.4	145.2





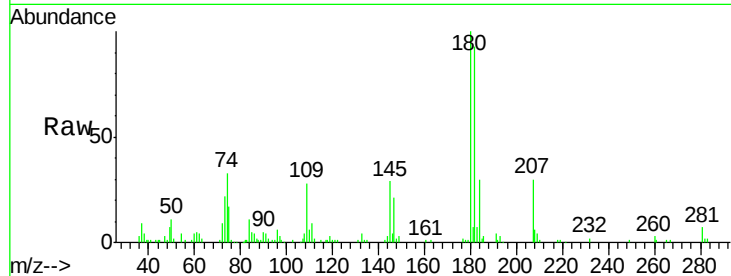
#93
 1,2,4-Trichlorobenzene
 Concen: 16.679 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.01 min
 Lab File: VN059651.D
 Acq: 18 Dec 2019 16:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBS02

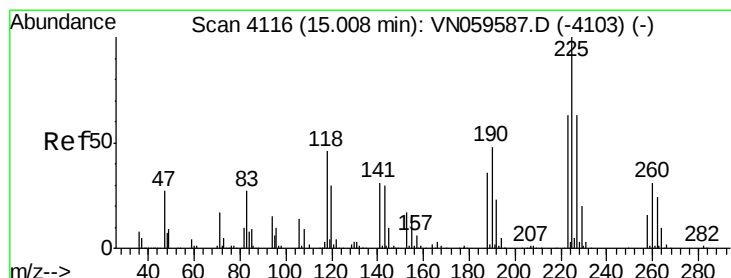
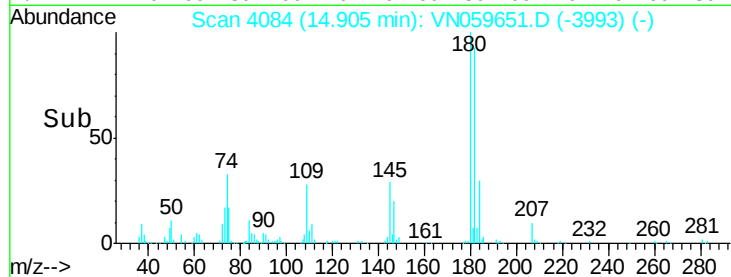
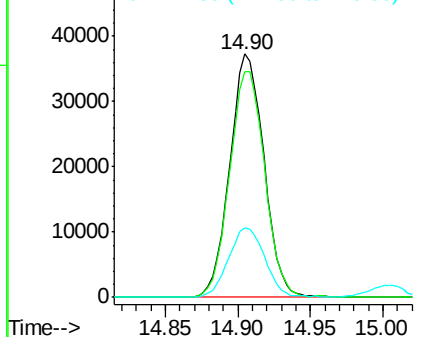
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	46.9	140.7
145	30.4	15.0	45.1

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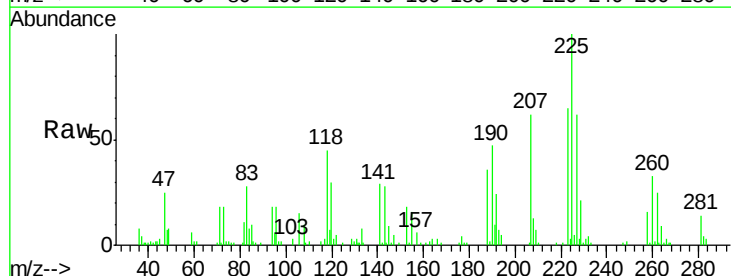


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

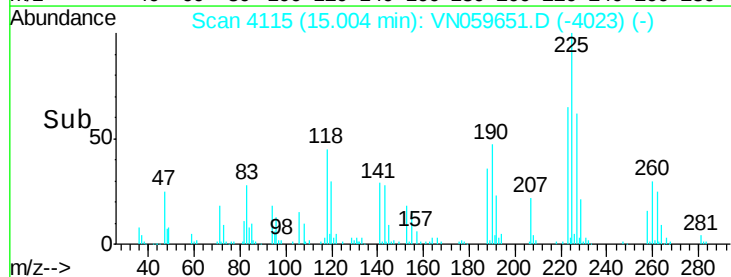
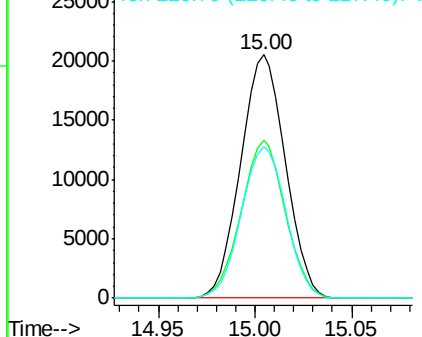


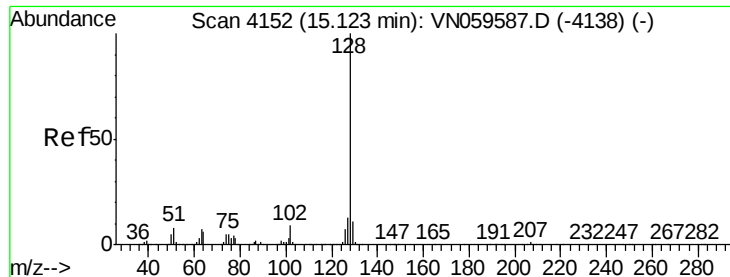
#94
 Hexachlorobutadiene
 Concen: 17.716 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN059651.D
 Acq: 18 Dec 2019 16:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.8	95.3
227	61.9	32.1	96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





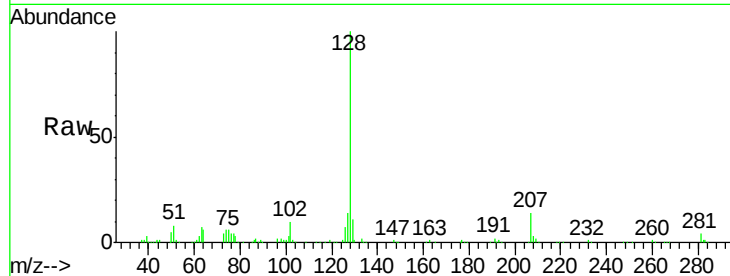
#95
Naphthalene
Concen: 16.269 ug/l
RT: 15.12 min Scan# 4151
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS02

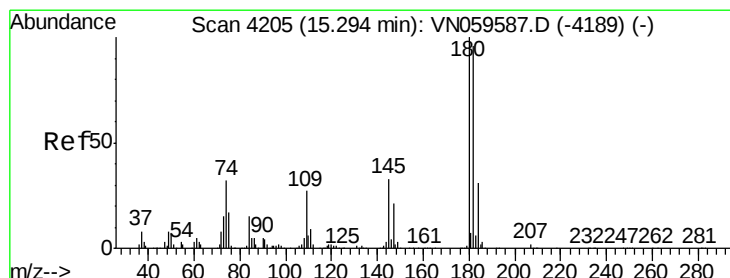
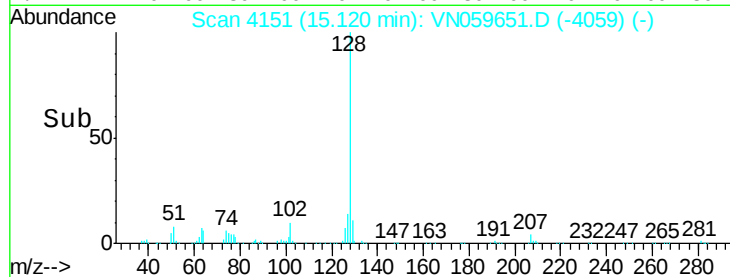
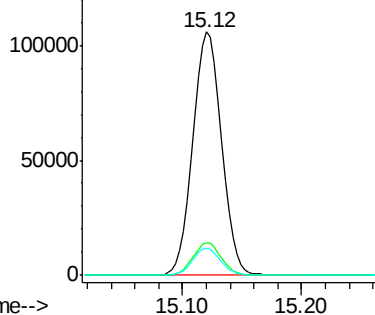
Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	10.8	8.6	12.8

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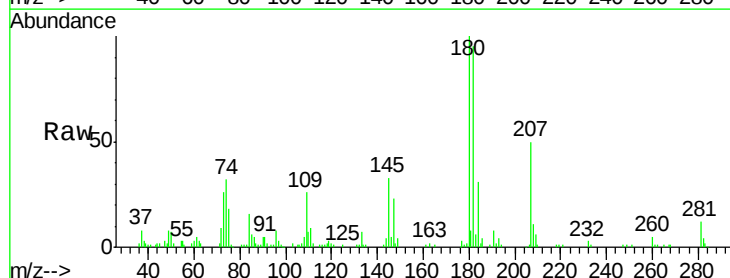


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 16.835 ug/l
RT: 15.29 min Scan# 4204
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.4	142.3
145	32.8	16.3	48.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

