

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121819\
 Data File : VN059648.D
 Acq On : 18 Dec 2019 14:16
 Operator : JC/SP
 Sample : VN1218MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBS01

Manual Integrations
 APPROVED

MMDadoda
 12/19/2019 11:11:35 AM

Quant Time: Dec 19 04:57:17 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	203617	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	330842	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	306445	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	141717	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	171674	57.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.88%	
35) Dibromofluoromethane	7.57	113	120326	58.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.26%	
50) Toluene-d8	10.08	98	470064	57.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.72%	
62) 4-Bromofluorobenzene	12.40	95	164790	55.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	38362	14.580	ug/l	98
3) Chloromethane	2.04	50	63040	15.098	ug/l	98
4) Vinyl Chloride	2.17	62	69991	17.677	ug/l	98
5) Bromomethane	2.54	94	39309	17.077	ug/l	100
6) Chloroethane	2.68	64	41887	18.823	ug/l	99
7) Trichlorofluoromethane	2.99	101	78161	17.992	ug/l	100
8) Diethyl Ether	3.39	74	24302	17.904	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	37930	17.325	ug/l	99
10) Methyl Iodide	3.92	142	48015	16.566	ug/l	100
11) Tert butyl alcohol	4.75	59	46667	85.911	ug/l	98
12) 1,1-Dichloroethene	3.71	96	36955	17.304	ug/l	98
13) Acrolein	3.58	56	17423	45.028	ug/l	98
14) Allyl chloride	4.29	41	74218	16.928	ug/l	99
15) Acrylonitrile	4.95	53	121553	92.511	ug/l	100
16) Acetone	3.79	43	124817	70.954	ug/l	99
17) Carbon Disulfide	4.02	76	115159	16.316	ug/l	99
18) Methyl Acetate	4.29	43	64788	17.576	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	130977	17.369	ug/l	100
20) Methylene Chloride	4.52	84	45196	17.790	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	41372	17.377	ug/l	99
22) Diisopropyl ether	5.92	45	147486	18.247	ug/l	93
23) Vinyl Acetate	5.86	43	609699	96.121	ug/l	99
24) 1,1-Dichloroethane	5.82	63	82877	18.101	ug/l	100
25) 2-Butanone	6.81	43	171967	81.750	ug/l	100
26) 2,2-Dichloropropane	6.80	77	73144	17.577	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	47219	17.898	ug/l	98
28) Bromochloromethane	7.17	49	37581	19.819	ug/l	96
29) Tetrahydrofuran	7.19	42	115158	89.850	ug/l	99
30) Chloroform	7.35	83	80648	17.895	ug/l	98
31) Cyclohexane	7.63	56	75144	17.370	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	71082	17.495	ug/l	99
36) 1,1-Dichloropropene	7.77	75	60410	17.509	ug/l	99
37) Ethyl Acetate	6.90	43	71600	17.855	ug/l	99
38) Carbon Tetrachloride	7.75	117	62570	17.477	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	65523	16.743	ug/l	99
40) Benzene	8.02	78	181470	17.998	ug/l	99
41) Methacrylonitrile	7.15	41	23330m	14.097	ug/l	
42) 1,2-Dichloroethane	8.10	62	71528	18.524	ug/l	100
43) Isopropyl Acetate	8.14	43	107044	17.170	ug/l	99
44) Trichloroethene	8.82	130	46236	17.507	ug/l	99
45) 1,2-Dichloropropane	9.10	63	49404	18.145	ug/l	98
46) Dibromomethane	9.19	93	31533	17.677	ug/l	99
47) Bromodichloromethane	9.39	83	63905	17.969	ug/l	98
48) Methyl methacrylate	9.18	41	46390	16.400	ug/l	97
49) 1,4-Dioxane	9.18	88	14910	367.825	ug/l	95
51) 4-Methyl-2-Pentanone	9.97	43	338678	91.111	ug/l	99
52) Toluene	10.14	92	107755	17.393	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	71221	17.316	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	75618	17.490	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	43863	18.043	ug/l	98
56) Ethyl methacrylate	10.42	69	60813	16.851	ug/l	99
57) 1,3-Dichloropropane	10.70	76	76746	18.131	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	104271	90.845	ug/l	100
59) 2-Hexanone	10.74	43	249940	85.314	ug/l	100
60) Dibromochloromethane	10.90	129	46171	17.402	ug/l	99
61) 1,2-Dibromoethane	11.00	107	44472	17.249	ug/l	100
64) Tetrachloroethene	10.62	164	44267	15.496	ug/l	98
65) Chlorobenzene	11.43	112	113839	17.168	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	42443	16.852	ug/l	98
67) Ethyl Benzene	11.51	91	201427	16.829	ug/l	100
68) m/p-Xylenes	11.62	106	149603	33.849	ug/l	99
69) o-Xylene	11.94	106	70734	16.820	ug/l	99
70) Styrene	11.96	104	110174	16.306	ug/l	98
71) Bromoform	12.12	173	32030	16.918	ug/l #	99
73) Isopropylbenzene	12.24	105	190584	17.131	ug/l	99
74) N-amyl acetate	12.07	43	83597	16.382	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	63057	17.869	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	63698m	18.156	ug/l	
77) Bromobenzene	12.52	156	46447	16.977	ug/l	99
78) n-propylbenzene	12.59	91	226674	17.237	ug/l	98
79) 2-Chlorotoluene	12.67	91	135803	17.078	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	161116	17.114	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	23116	16.274	ug/l	99
82) 4-Chlorotoluene	12.77	91	137611	16.902	ug/l	99
83) tert-Butylbenzene	12.99	119	130355	16.350	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	158728	16.956	ug/l	98
85) sec-Butylbenzene	13.17	105	180094	16.981	ug/l	99
86) p-Isopropyltoluene	13.29	119	157993	16.449	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	82993	16.497	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	80421	15.855	ug/l	98
89) n-Butylbenzene	13.61	91	151608	16.835	ug/l	99
90) Hexachloroethane	13.87	117	30033	16.542	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	81680	16.463	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	15106	16.420	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	55338	17.273	ug/l	98
94) Hexachlorobutadiene	15.00	225	32050	19.474	ug/l	99
95) Naphthalene	15.12	128	157941	16.514	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	56976	17.584	ug/l	100

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

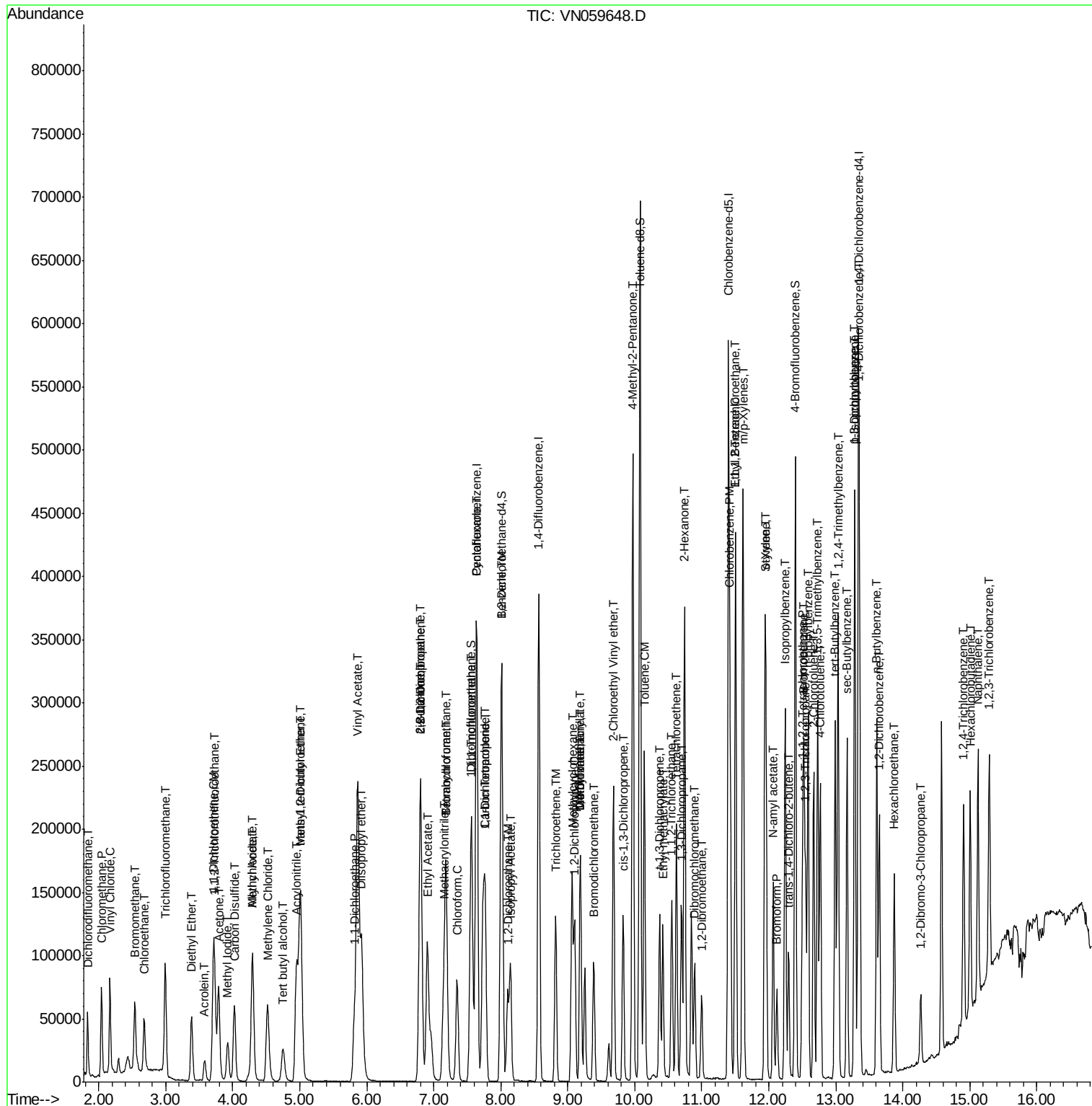
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121819\
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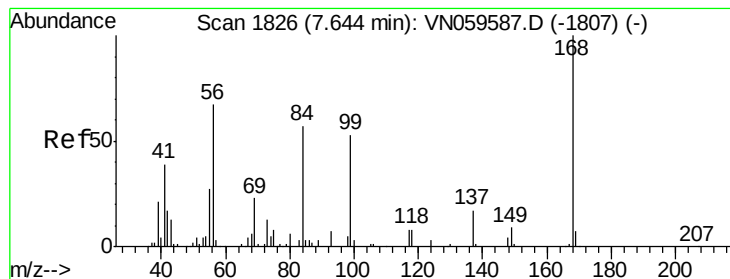
Instrument :
MSVOA_N
Client Sample Id :
VN1218MBS01

Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS01

Tot Ion:168 Resp: 203617

Ion Ratio Lower Upper

168 100

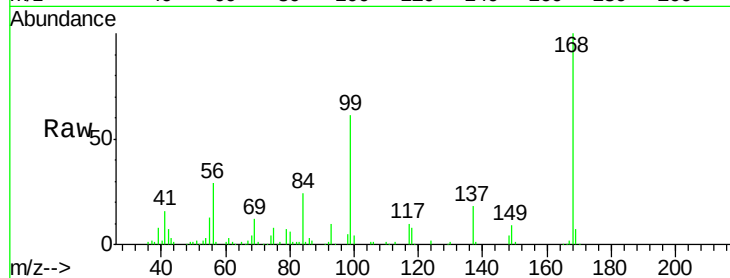
99 60.6 48.2 72.4

Manual Integrations

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12/19/2019 11:11:35 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.64

80000

60000

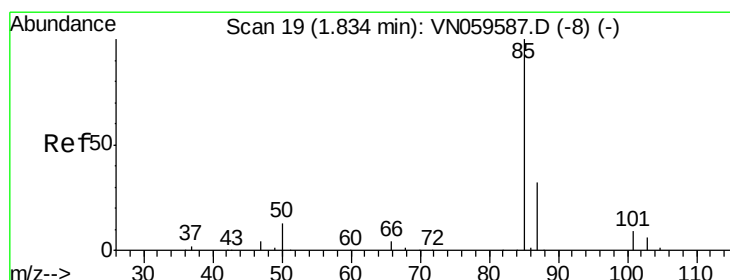
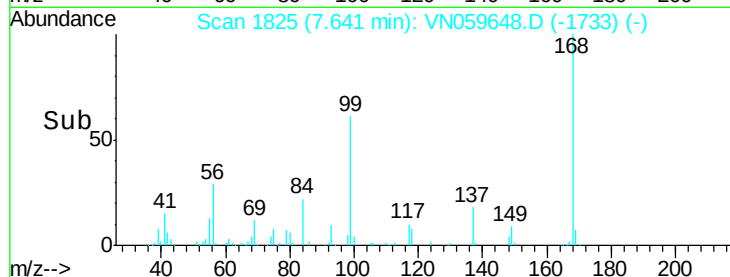
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 14.580 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059648.D

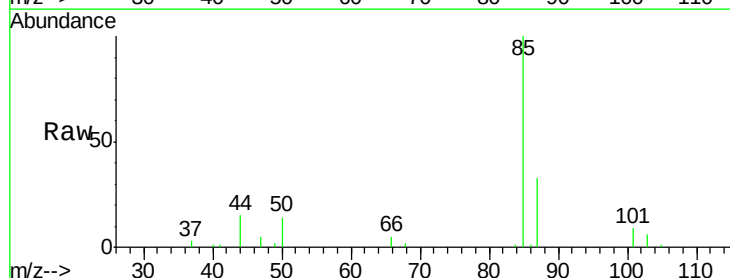
Acq: 18 Dec 2019 14:16

Tgt Ion: 85 Resp: 38362

Ion Ratio Lower Upper

85 100

87 33.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.83

30000

25000

20000

15000

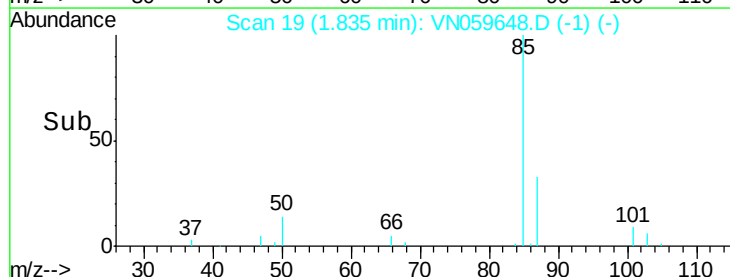
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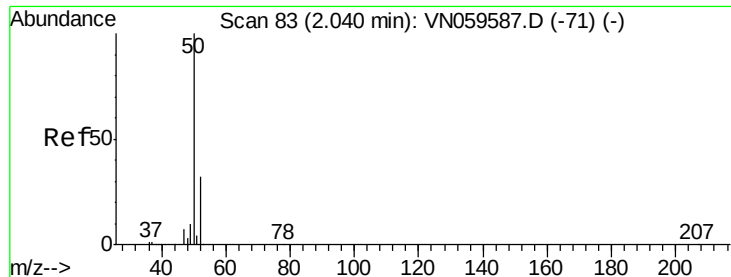
5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 15.098 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS01

Tot Ion: 50 Resp: 63040

Ion Ratio Lower Upper

50 100

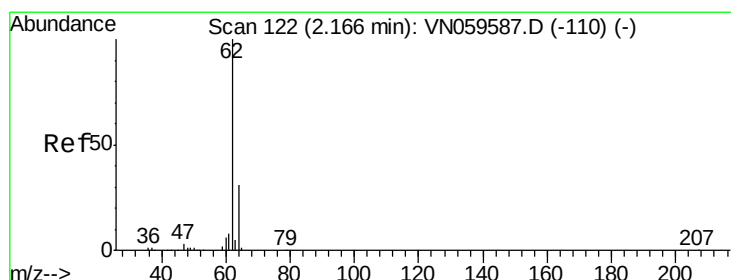
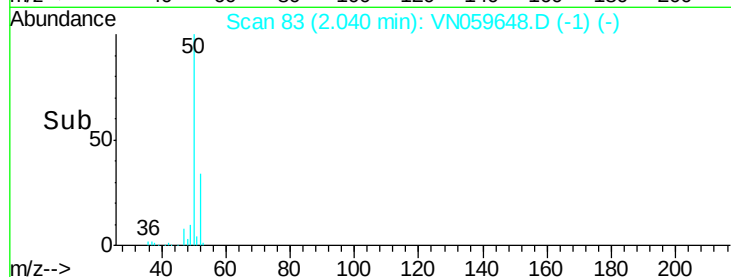
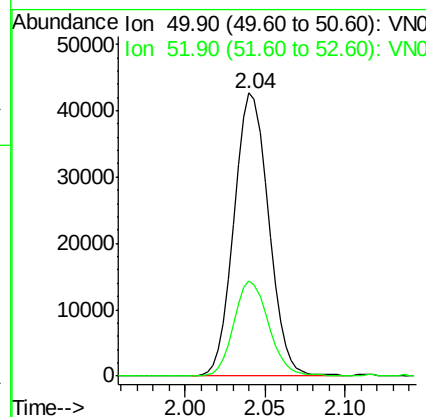
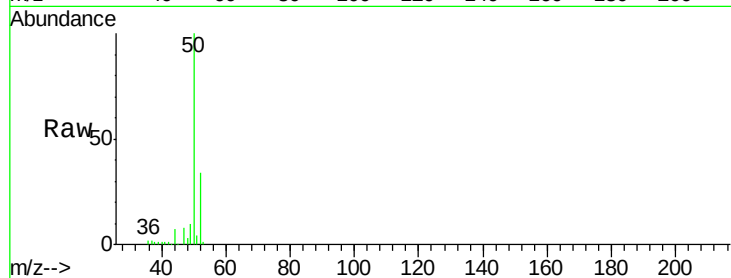
52 33.5 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.677 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059648.D

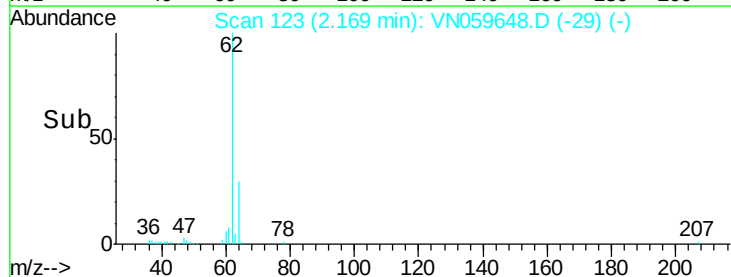
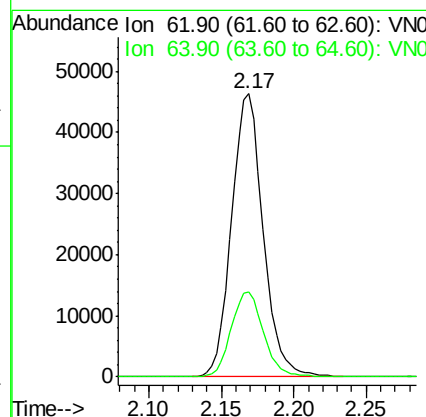
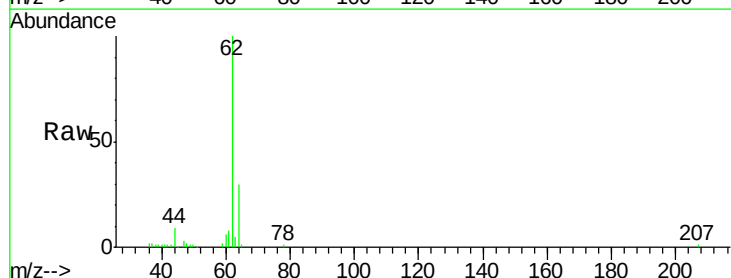
Acq: 18 Dec 2019 14:16

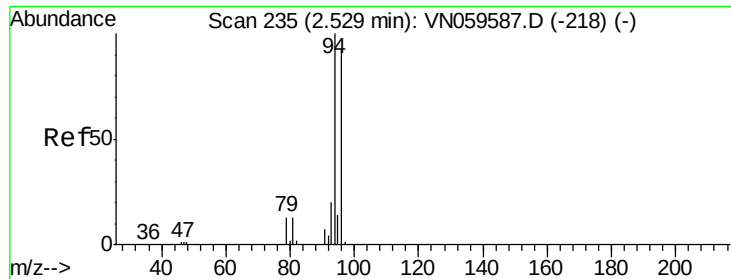
Tgt Ion: 62 Resp: 69991

Ion Ratio Lower Upper

62 100

64 29.9 24.6 37.0





#5

Bromomethane

Concen: 17.077 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Instrument :

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ClientSampleId :

VN1218MBS01

Tot Ion: 94 Resp: 39309

Ion Ratio Lower Upper

94 100

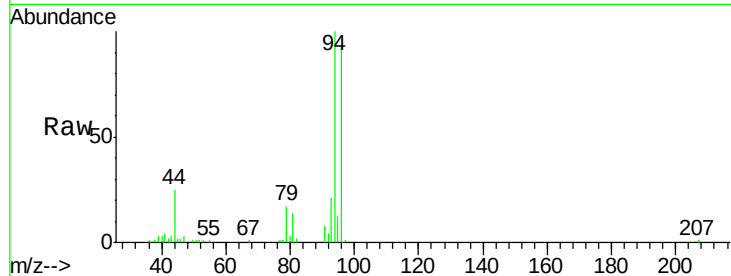
96 92.9 74.7 112.1

Manual Integrations

APPROVED

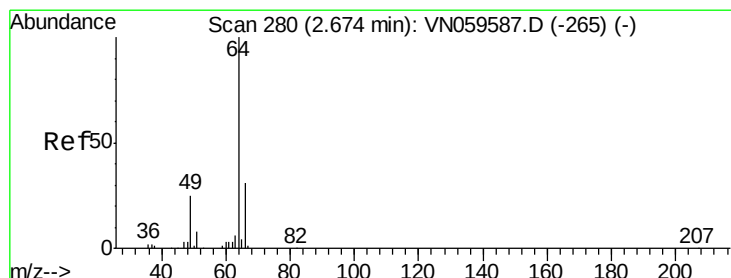
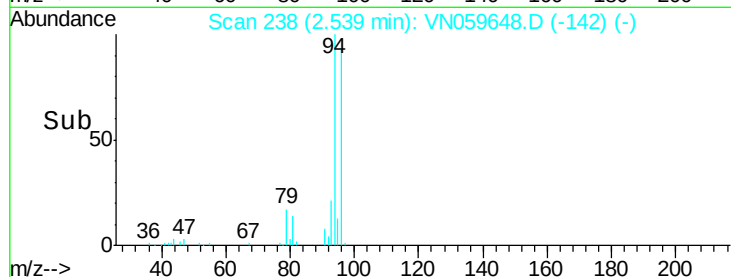
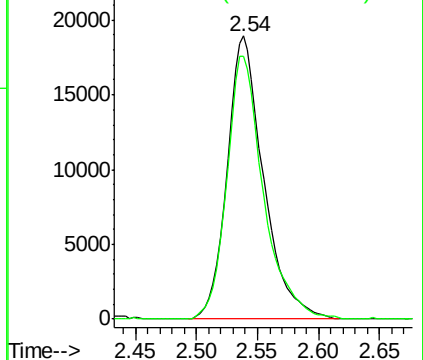
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.823 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.00 min

Lab File: VN059648.D

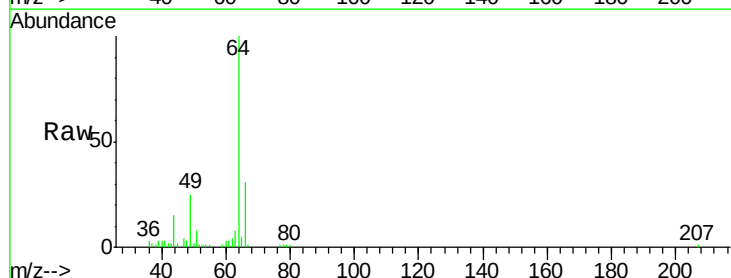
Acq: 18 Dec 2019 14:16

Tgt Ion: 64 Resp: 41887

Ion Ratio Lower Upper

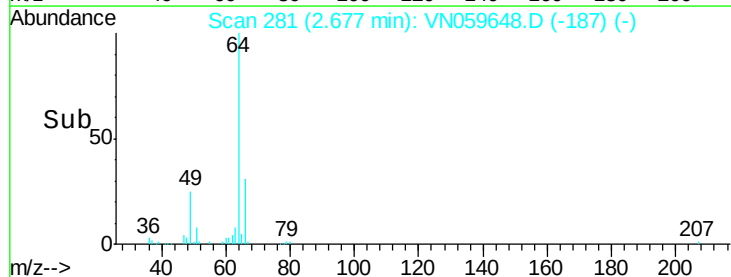
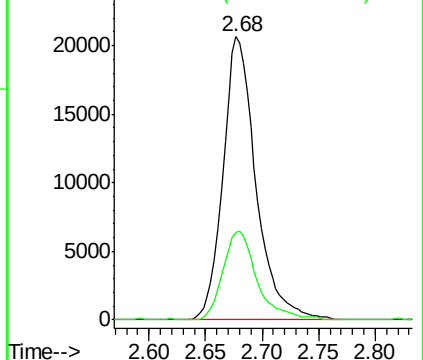
64 100

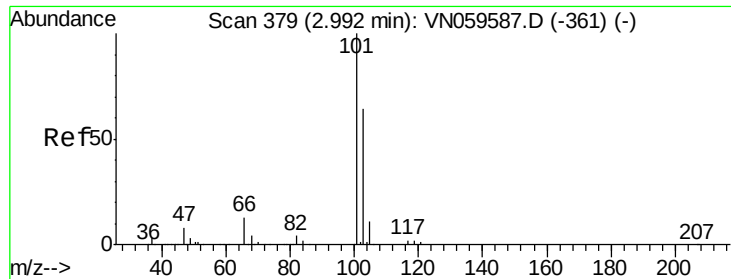
66 31.1 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

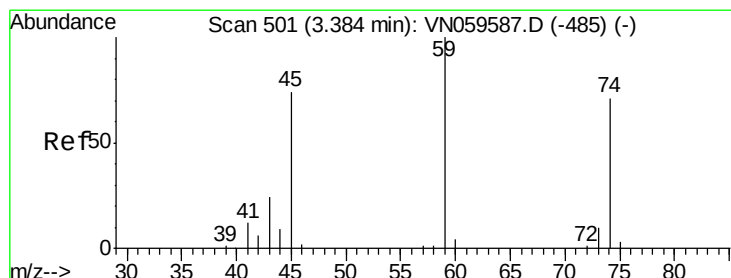
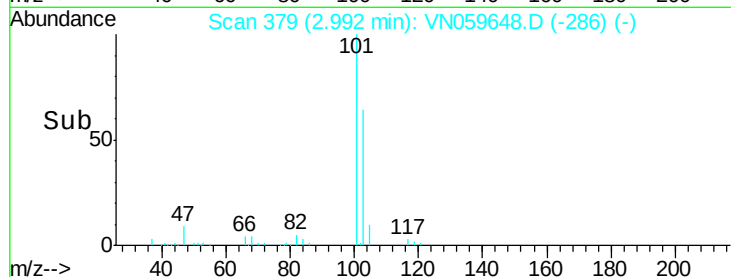
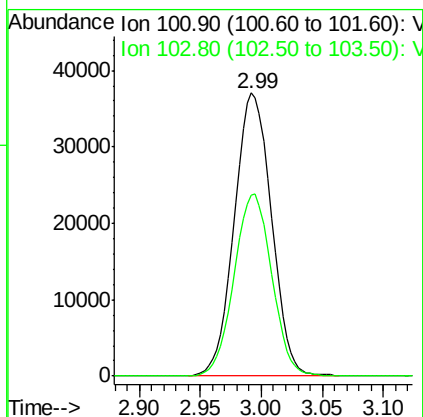
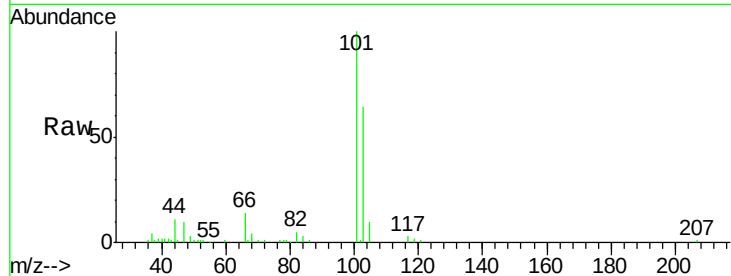
Trichlorofluoromethane
Concen: 17.992 ug/l
RT: 2.99 min Scan# 379
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.0	76.6

Manual Integrations
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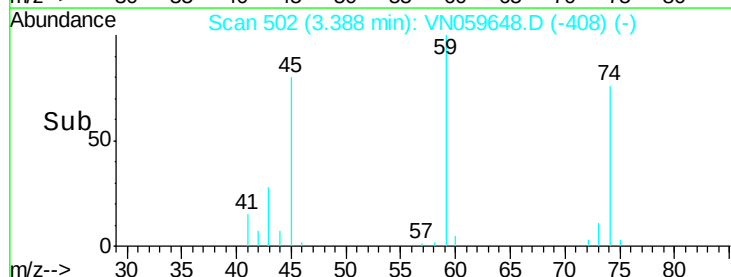
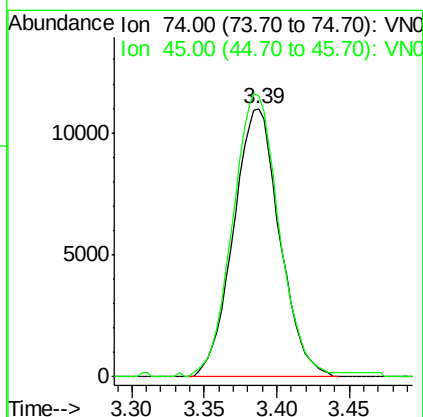
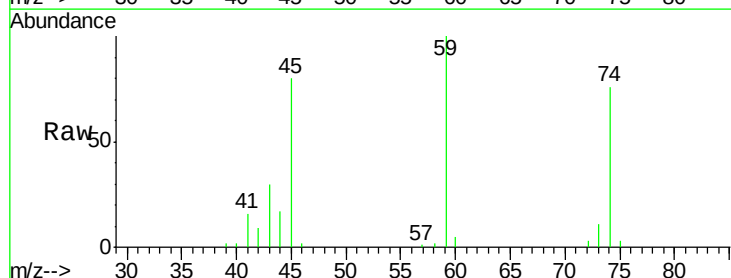
MMDadoda
12/19/2019 11:11:35 AM

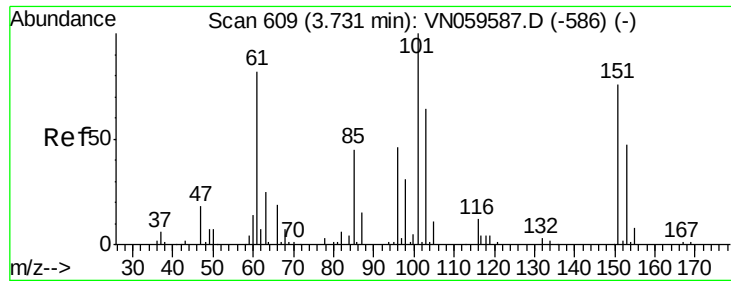


#8

Diethyl Ether
Concen: 17.904 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.6	51.9	155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.325 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Instrument :

MSVOA_N

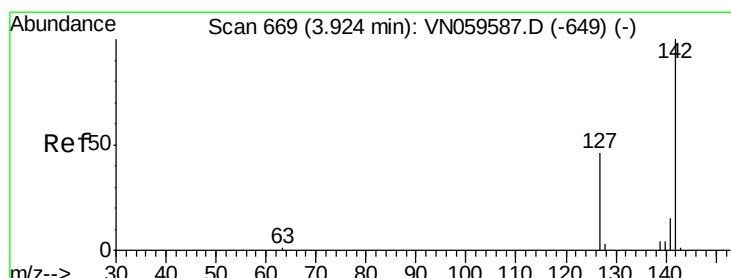
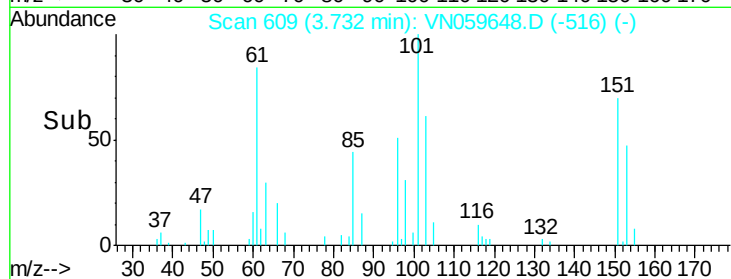
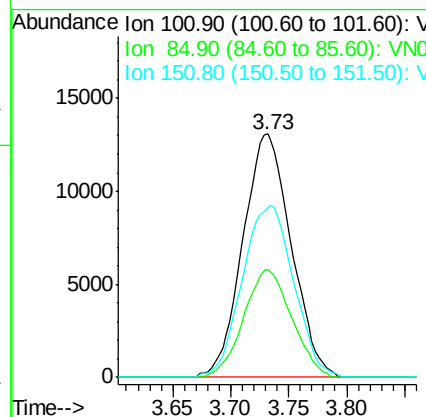
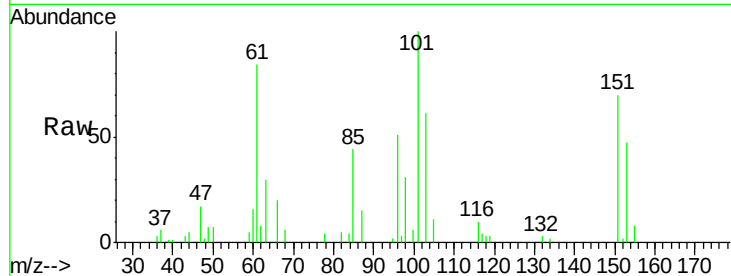
ClientSampleId :

VN1218MBS01

Tot Ion:	101	Resp:	37930
Ion Ratio	Lower	Upper	
101	100		
85	43.9	36.6	54.8
151	74.9	59.7	89.5

Manual Integrations
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12/19/2019 11:11:35 AM



#10

Methyl Iodide

Concen: 16.566 ug/l

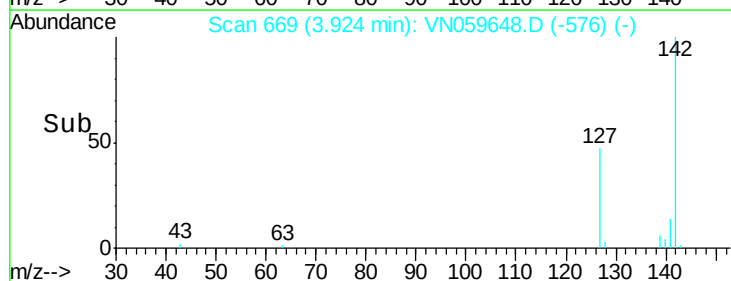
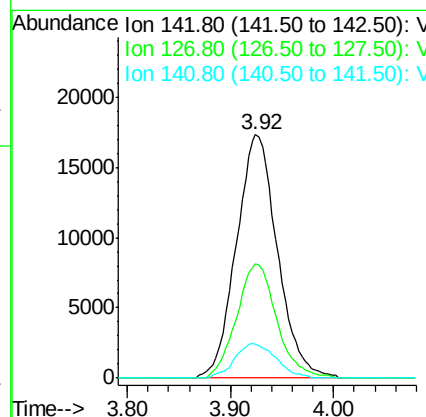
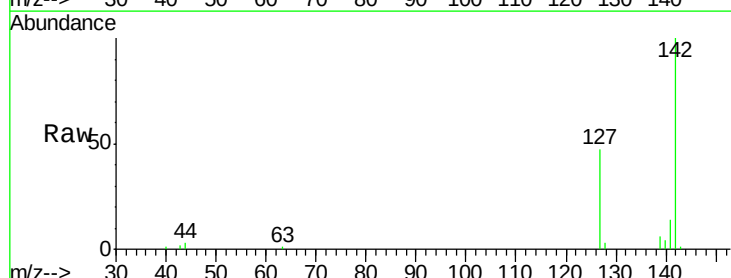
RT: 3.92 min Scan# 669

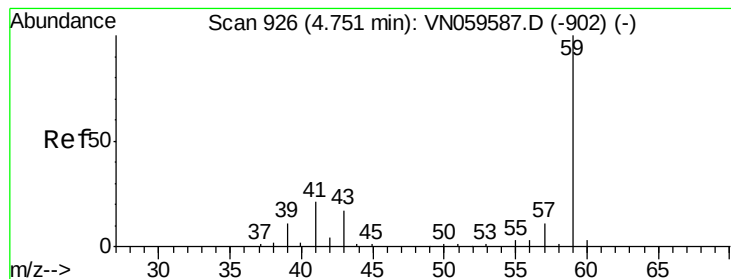
Delta R.T. 0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Tgt Ion:	142	Resp:	48015
Ion Ratio	Lower	Upper	
142	100		
127	45.9	36.7	55.1
141	14.3	11.7	17.5





#11

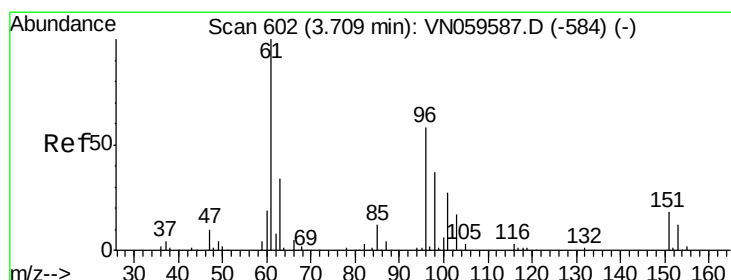
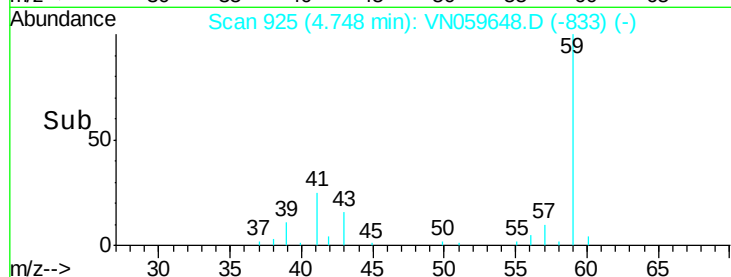
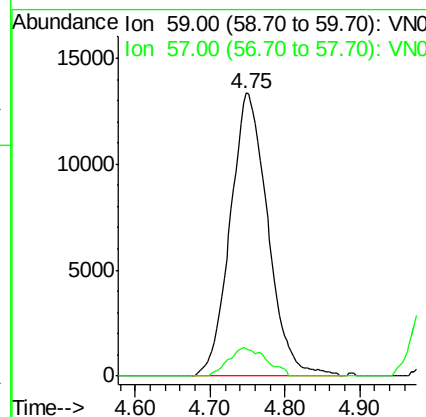
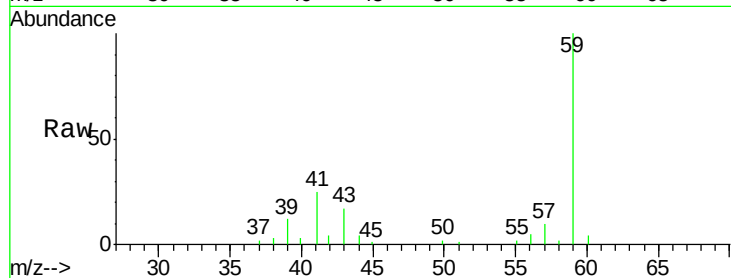
Tert butyl alcohol
Concen: 85.911 ug/l
RT: 4.75 min Scan# 925
Delta R.T. -0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.6	12.8

Manual Integrations
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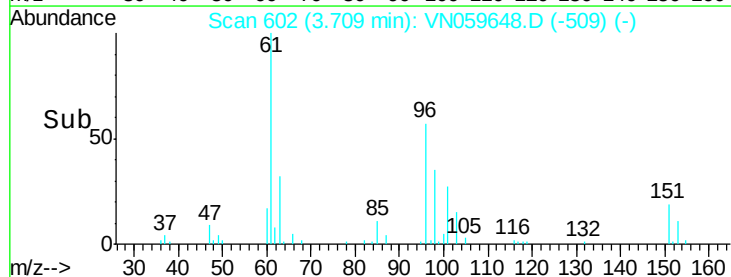
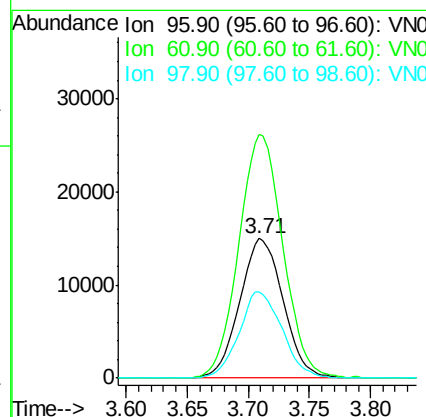
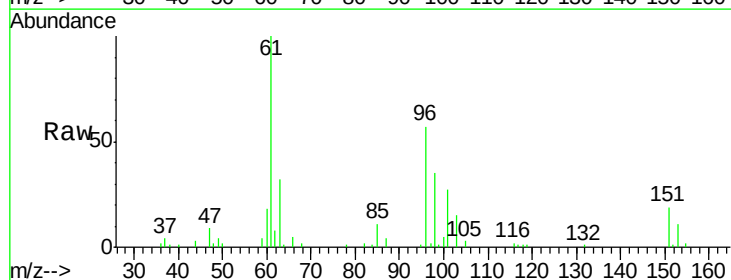
MMDadoda
12/19/2019 11:11:35 AM

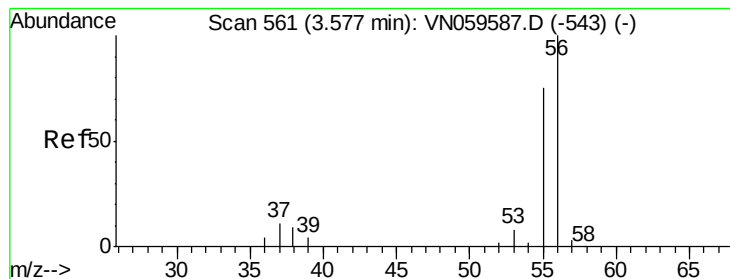


#12

1,1-Dichloroethene
Concen: 17.304 ug/l
RT: 3.71 min Scan# 602
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.2	137.5	206.3
98	61.6	50.2	75.4





#13

Acrolein

Concen: 45.028 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS01

Tot Ion: 56 Resp: 17423

Ion Ratio Lower Upper

56 100

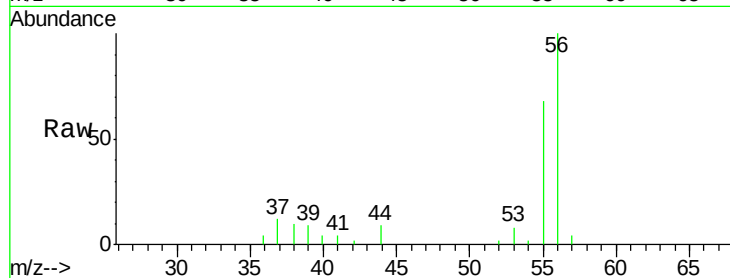
55 71.9 58.6 88.0

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

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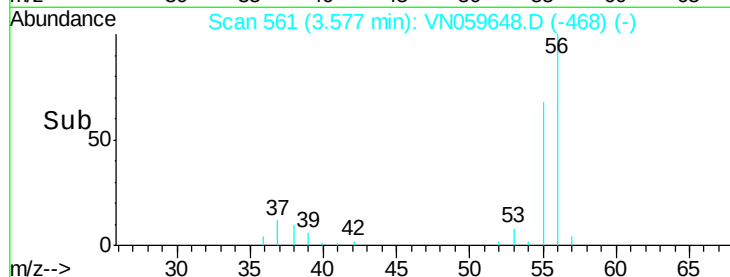
3.58

3.58

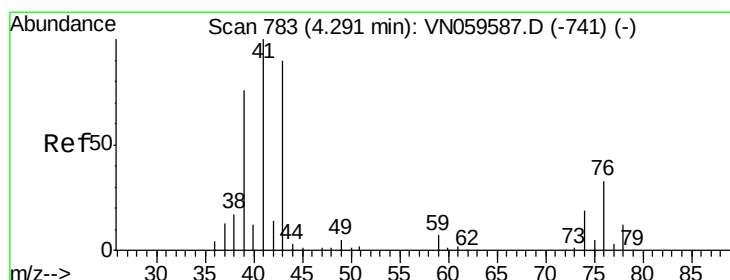
3.58

3.58

3.58



Time-->



#14

Allyl chloride

Concen: 16.928 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

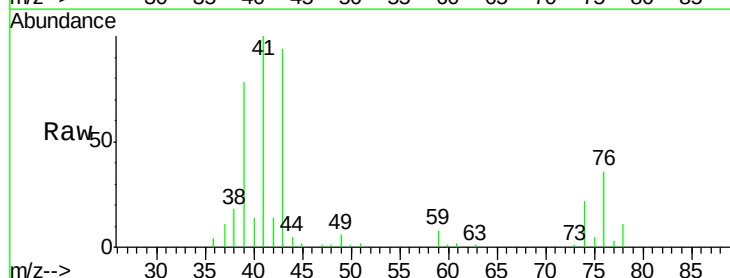
Tgt Ion: 41 Resp: 74218

Ion Ratio Lower Upper

41 100

39 72.8 57.8 86.8

76 31.3 25.4 38.0



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.29

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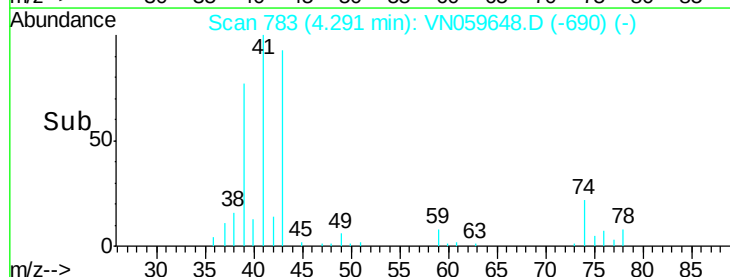
4.29

4.29

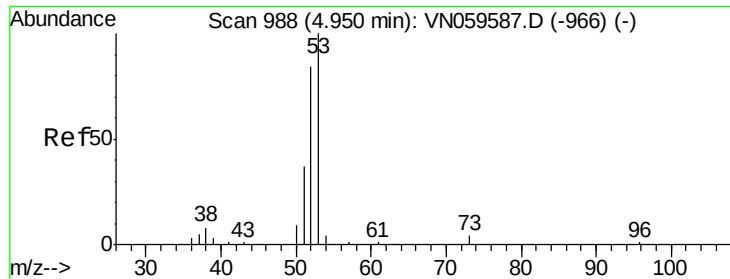
4.29

4.29

4.29



Time-->



#15

Acrylonitrile

Concen: 92.511 ug/l

RT: 4.95 min Scan# 988

Delta R.T. 0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Instrument :

MSVOA_N

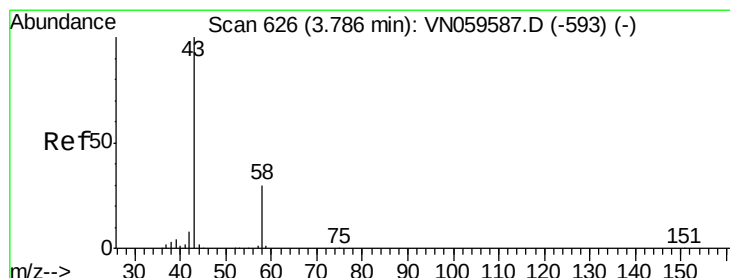
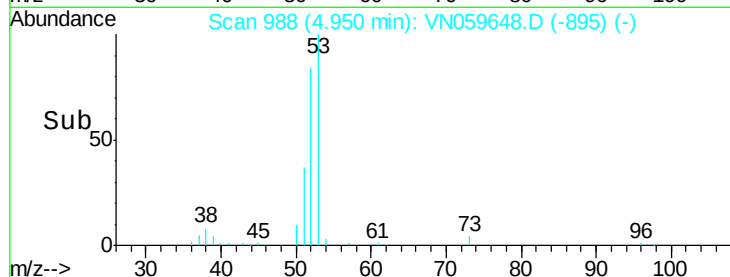
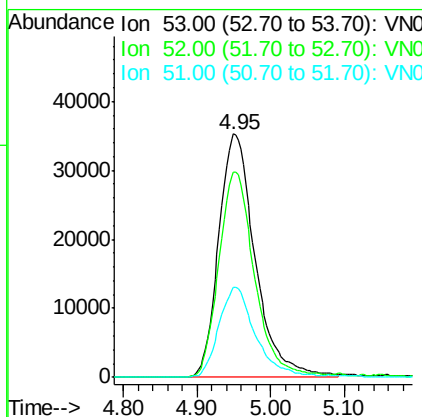
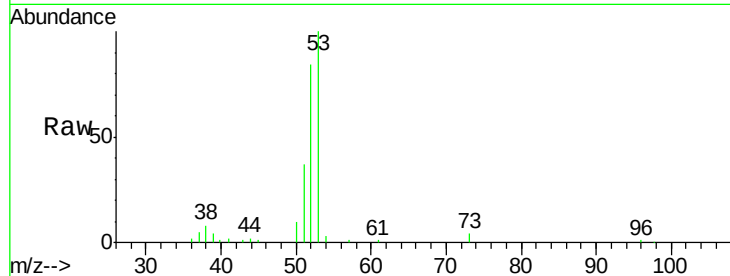
ClientSampleId :

VN1218MBS01

Tot Ion:	53	Resp:	121553
Ion Ratio	Lower	Upper	
53	100		
52	82.7	66.3	99.5
51	37.1	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 70.954 ug/l

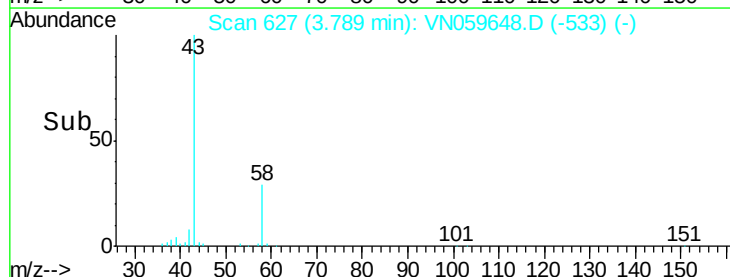
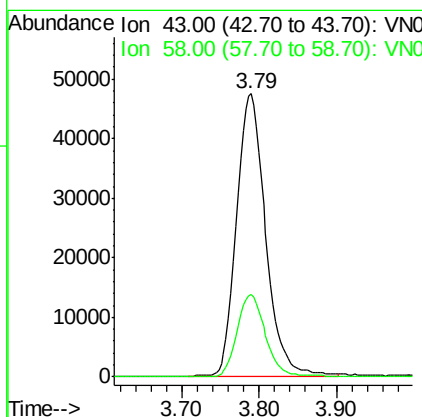
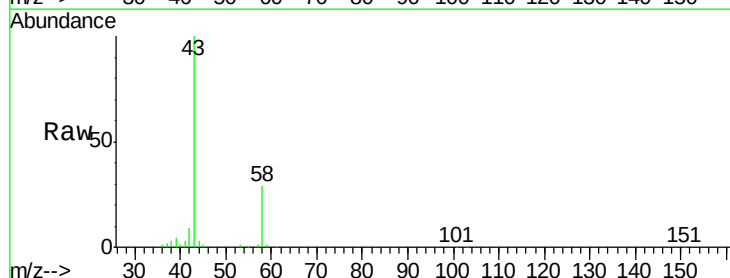
RT: 3.79 min Scan# 627

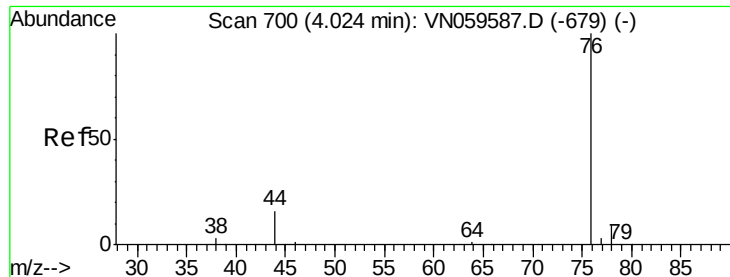
Delta R.T. 0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Tgt Ion:	43	Resp:	124817
Ion Ratio	Lower	Upper	
43	100		
58	28.9	23.6	35.4





#17

Carbon Disulfide

Concen: 16.316 ug/l

RT: 4.02 min Scan# 700

Delta R.T. 0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Tot Ion: 76 Resp: 115159

Ion Ratio Lower Upper

76 100

78 9.7 7.4 11.0

Instrument :

MSVOA_N

ClientSampleId :

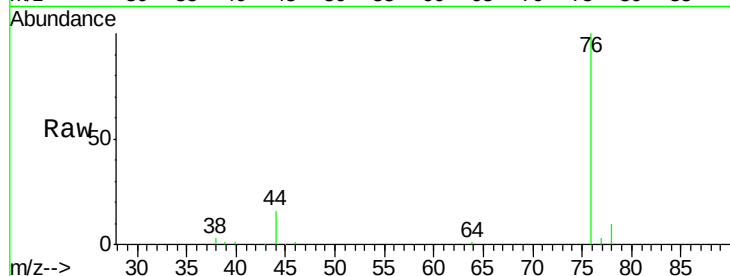
VN1218MBS01

Manual Integrations

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12/19/2019 11:11:35 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.02

50000

40000

30000

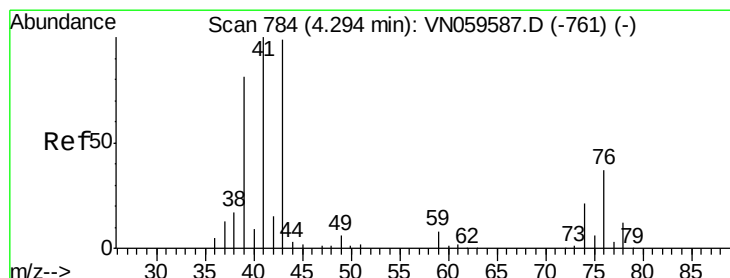
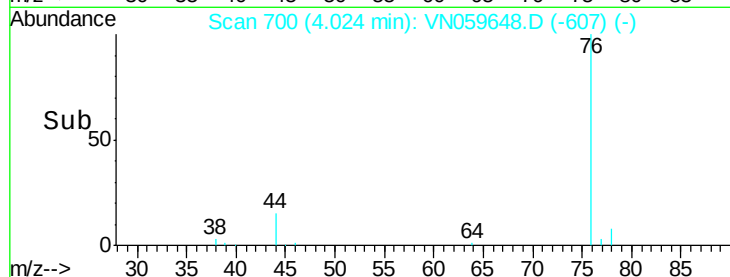
20000

10000

0

Time-->

3.90 4.00 4.10



#18

Methyl Acetate

Concen: 17.576 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059648.D

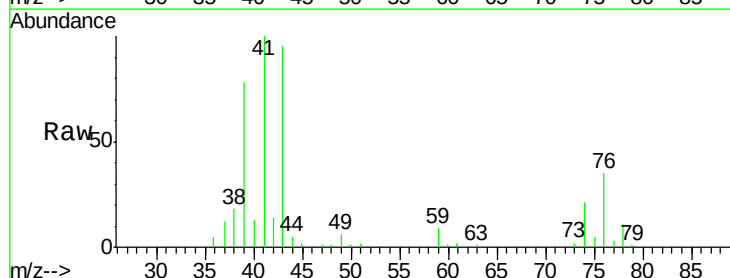
Acq: 18 Dec 2019 14:16

Tgt Ion: 43 Resp: 64788

Ion Ratio Lower Upper

43 100

74 21.6 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.29

25000

20000

15000

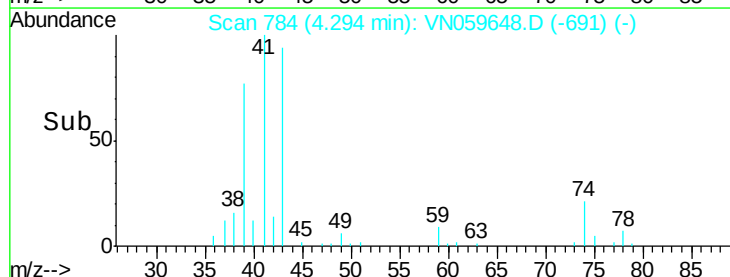
10000

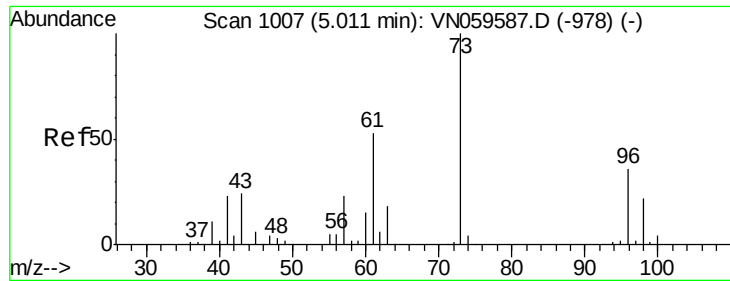
5000

0

Time-->

4.20 4.30 4.40





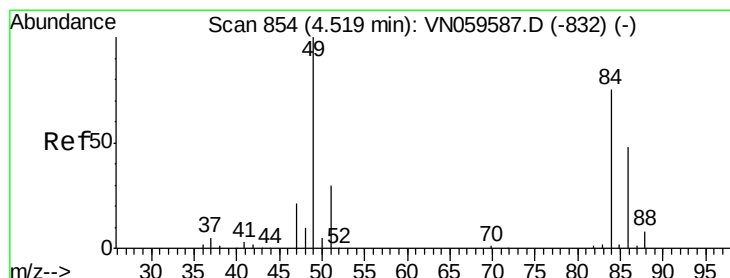
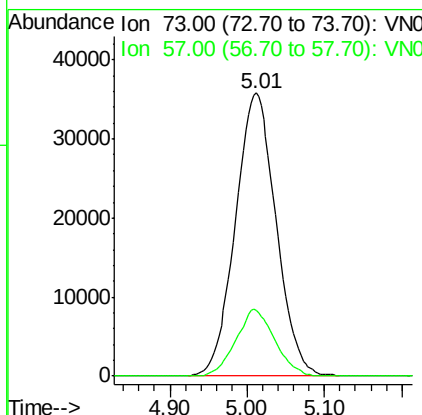
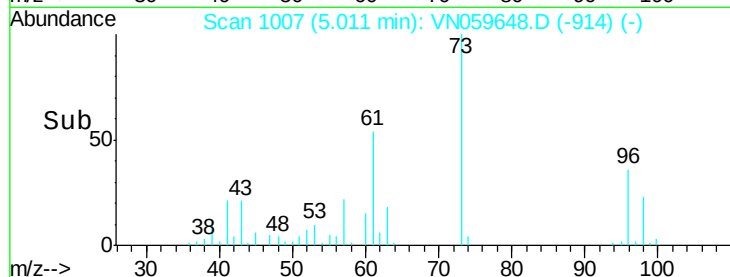
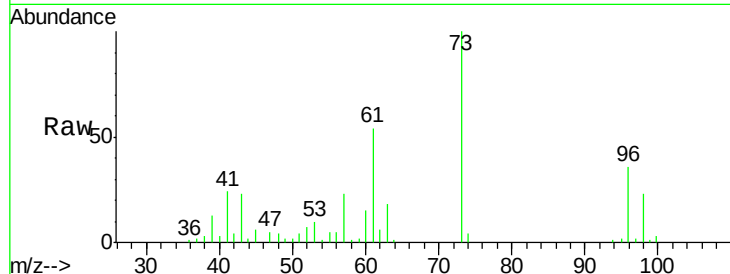
#19
Methyl tert-butyl Ether
Concen: 17.369 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS01

Tot Ion: 73 Resp: 130977
Ion Ratio Lower Upper
73 100
57 23.2 18.6 27.8

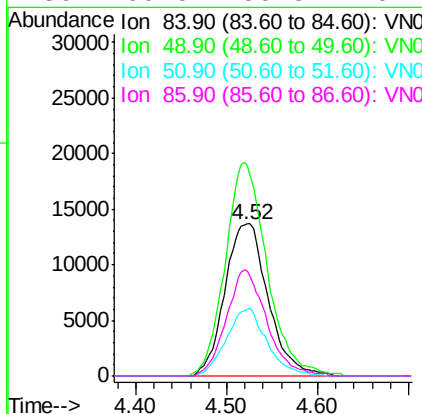
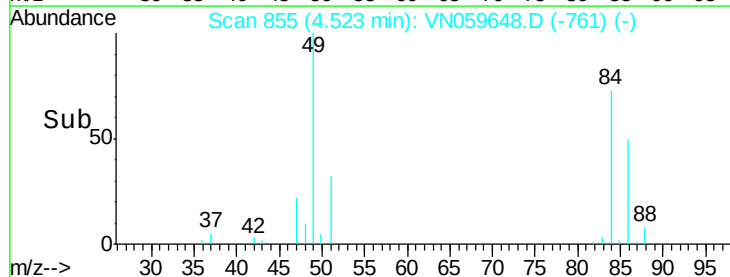
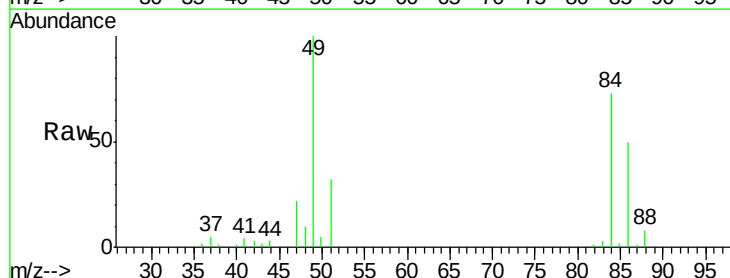
Manual Integrations
APPROVED

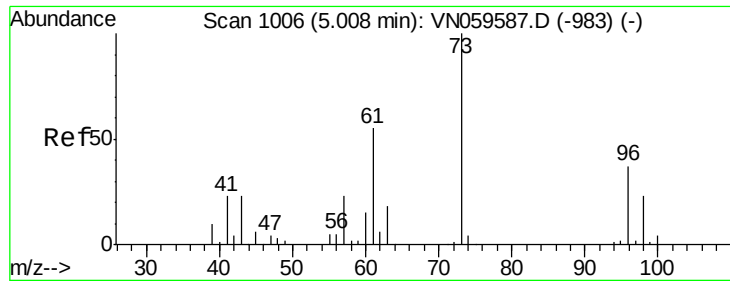
MMDadoda
12/19/2019 11:11:35 AM



#20
Methylene Chloride
Concen: 17.790 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Tgt Ion: 84 Resp: 45196
Ion Ratio Lower Upper
84 100
49 137.7 106.6 160.0
51 43.9 31.9 47.9
86 69.0 50.8 76.2





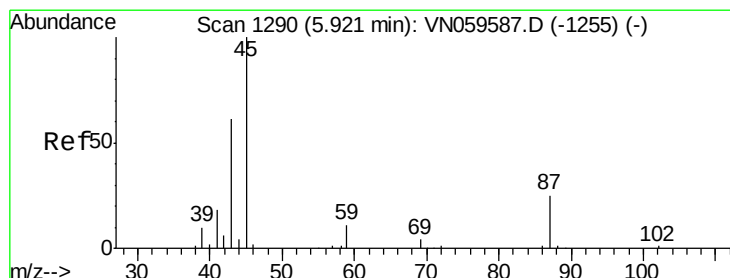
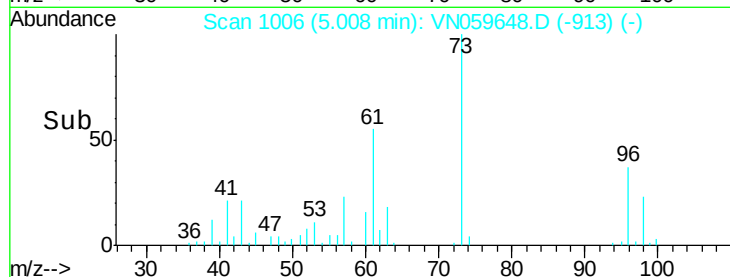
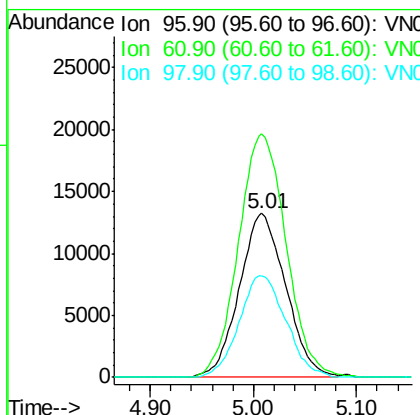
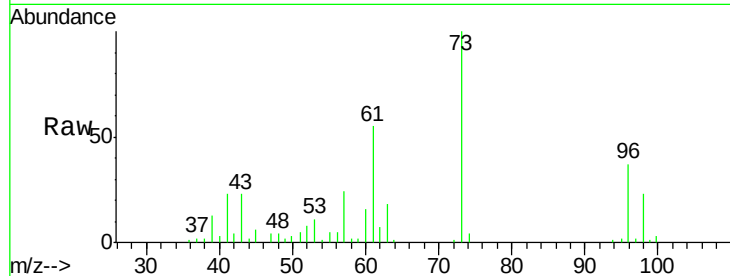
#21
trans-1,2-Dichloroethene
Concen: 17.377 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.7	120.4	180.6
98	62.0	50.6	75.8

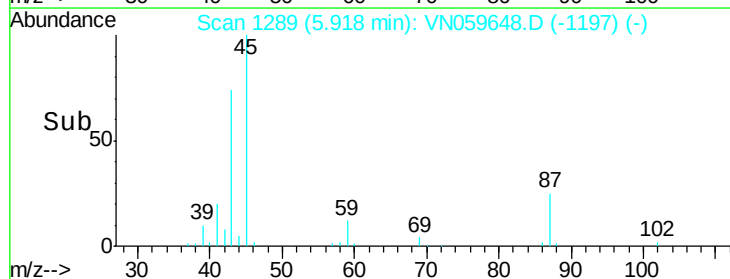
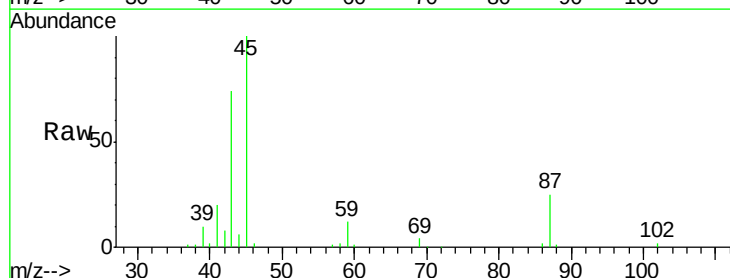
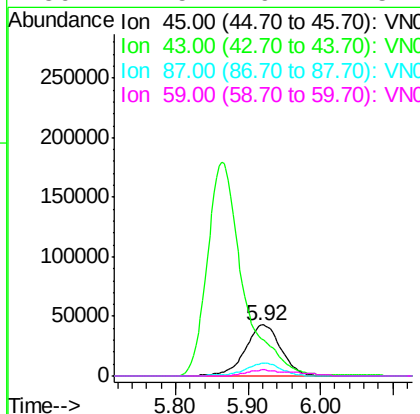
Manual Integrations
APPROVED

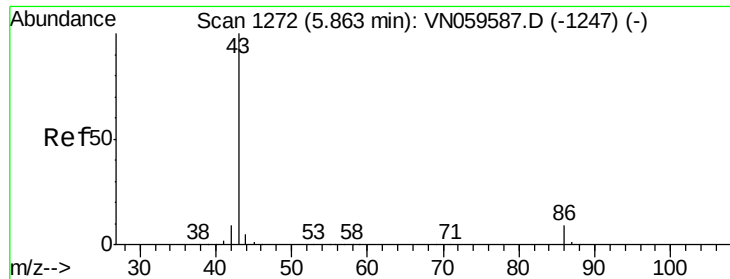
MMDadoda
12/19/2019 11:11:35 AM



#22
Diisopropyl ether
Concen: 18.247 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Tgt Ion	Ratio	Lower	Upper
45	100		
43	71.6	50.8	76.2
87	24.7	21.0	31.6
59	11.5	9.1	13.7





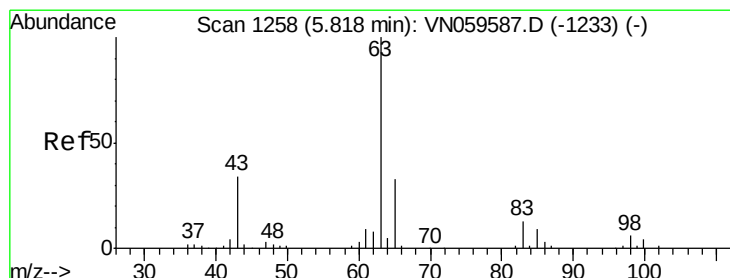
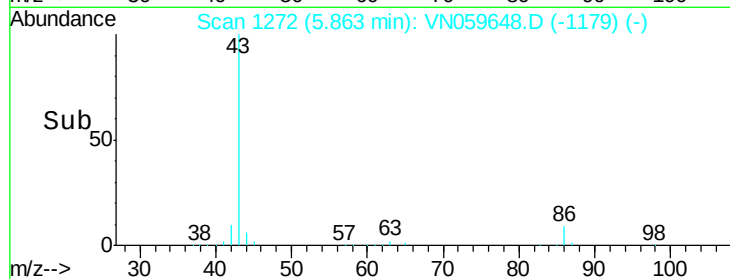
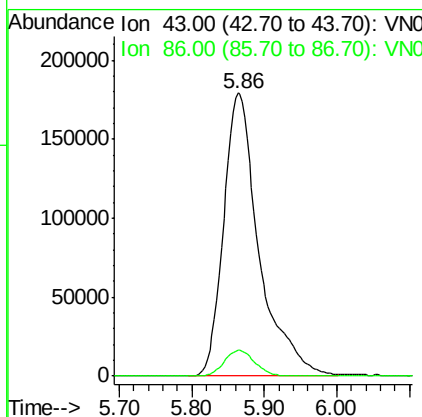
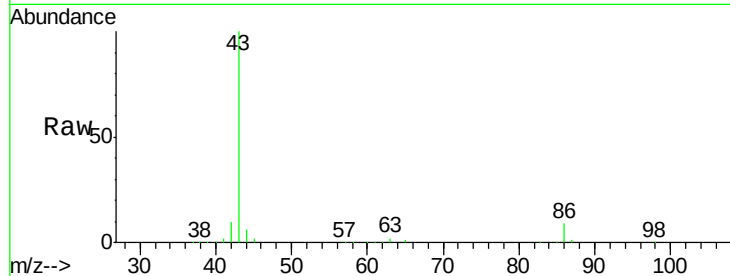
#23
Vinyl Acetate
Concen: 96.121 ug/l
RT: 5.86 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS01

Tot Ion	43	Resp	609699
Ion Ratio	100	Lower	Upper
43	100		
86	9.0	7.6	11.4

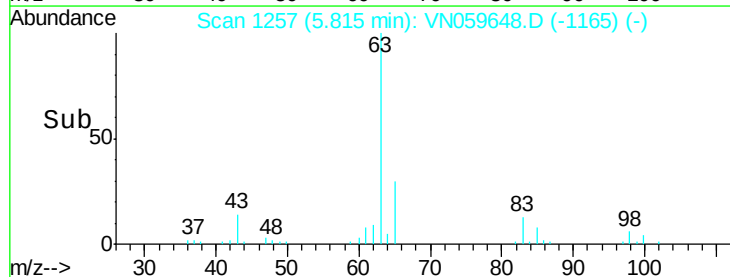
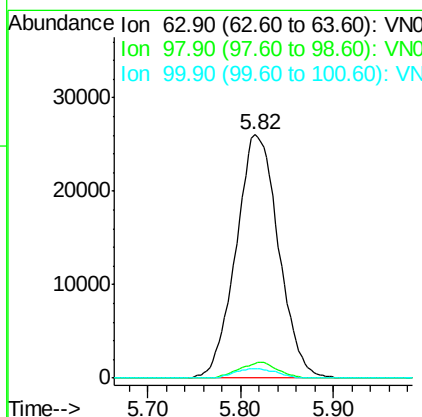
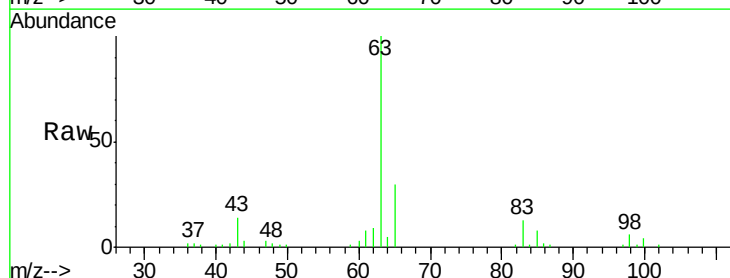
Manual Integrations
APPROVED

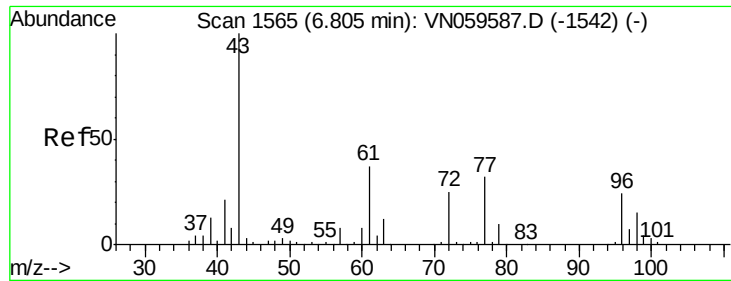
MMDadoda
12/19/2019 11:11:35 AM



#24
1,1-Dichloroethane
Concen: 18.101 ug/l
RT: 5.82 min Scan# 1257
Delta R.T. -0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Tgt Ion	63	Resp	82877
Ion Ratio	100	Lower	Upper
63	100		
98	5.9	2.9	8.7
100	4.0	2.0	6.0





#25

2-Butanone

Concen: 81.750 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS01

Tot Ion: 43 Resp: 171967

Ion Ratio Lower Upper

43 100

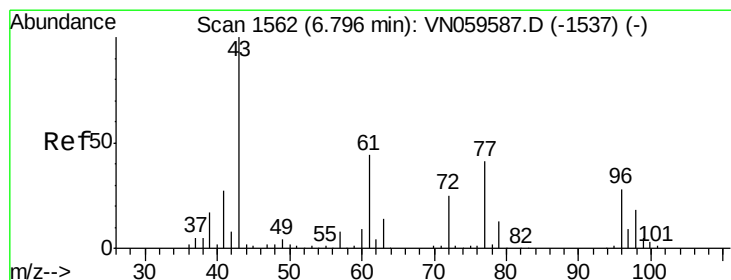
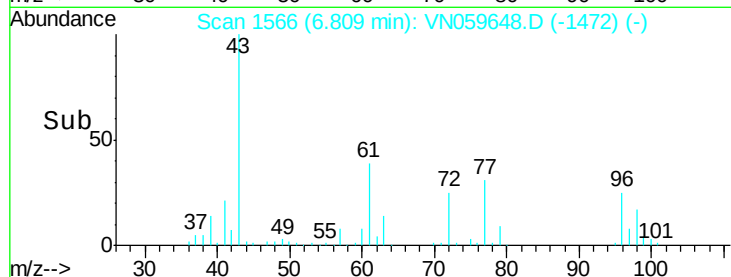
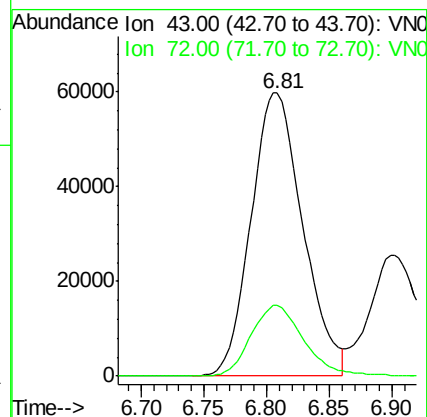
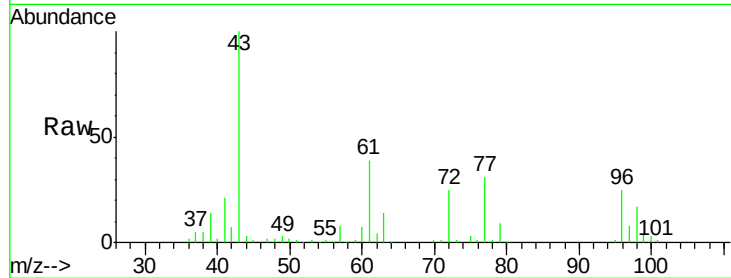
72 25.1 19.9 29.9

Manual Integrations

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MMDadoda

12/19/2019 11:11:35 AM



#26

2,2-Dichloropropane

Concen: 17.577 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059648.D

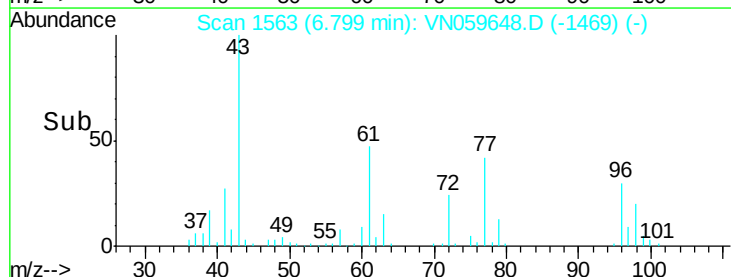
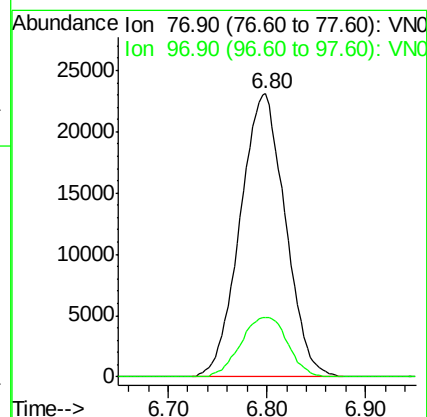
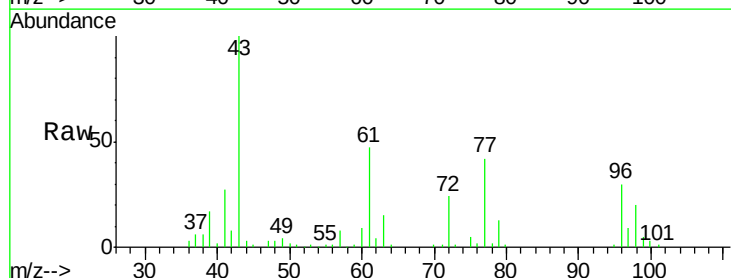
Acq: 18 Dec 2019 14:16

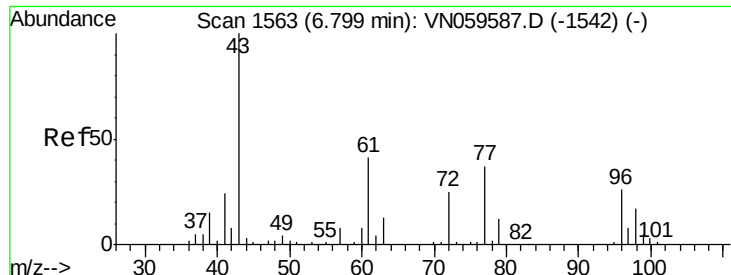
Tgt Ion: 77 Resp: 73144

Ion Ratio Lower Upper

77 100

97 21.8 10.7 31.9





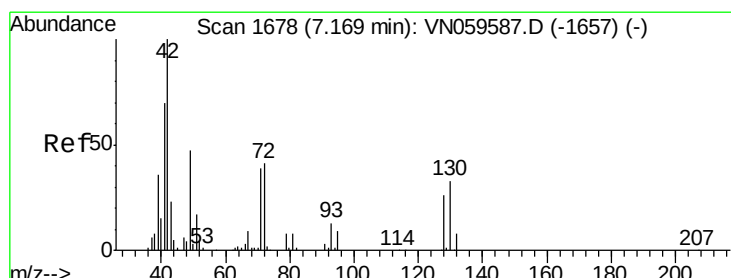
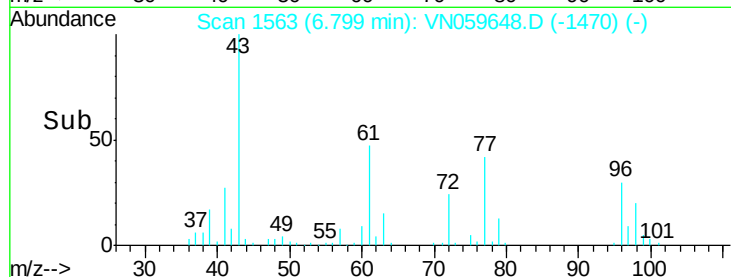
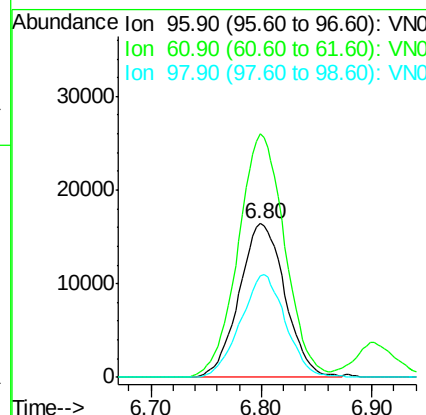
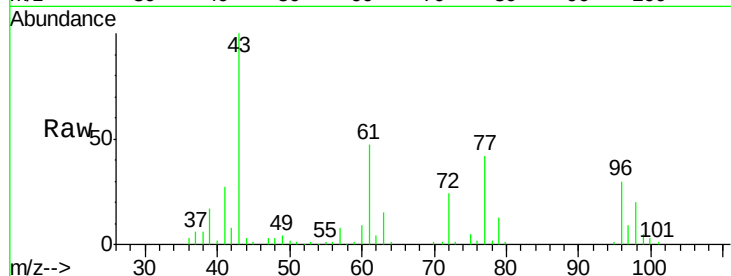
#27
 cis-1,2-Dichloroethene
 Concen: 17.898 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VN059648.D
 Acq: 18 Dec 2019 14:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.8	0.0	317.6
98	65.5	0.0	127.0

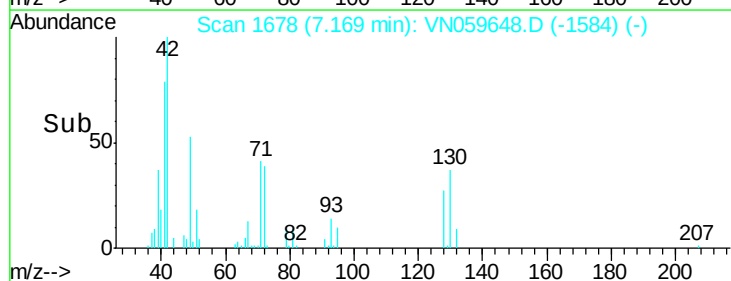
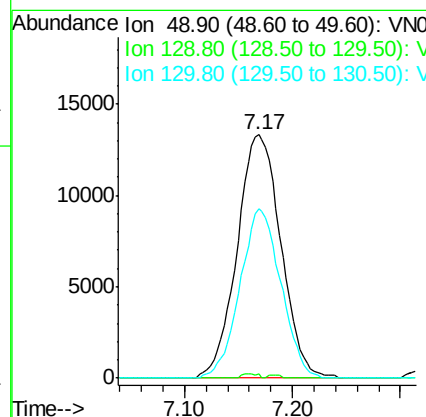
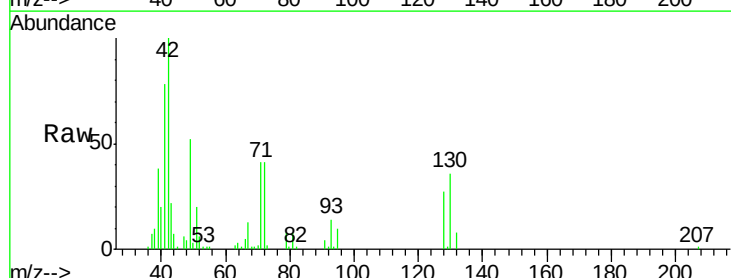
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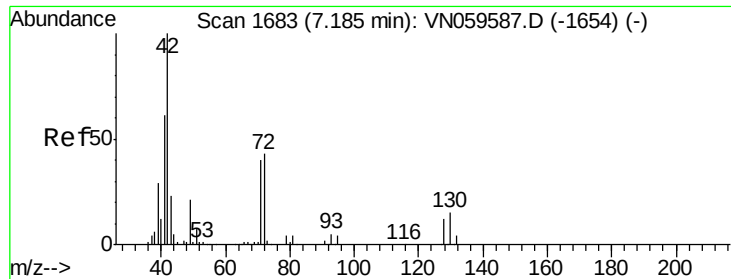
MMDadoda
 12/19/2019 11:11:35 AM



#28
 Bromochloromethane
 Concen: 19.819 ug/l
 RT: 7.17 min Scan# 1678
 Delta R.T. 0.00 min
 Lab File: VN059648.D
 Acq: 18 Dec 2019 14:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	3.4
130	65.0	54.7	82.1





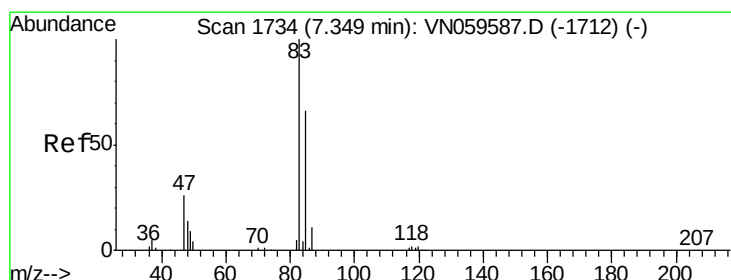
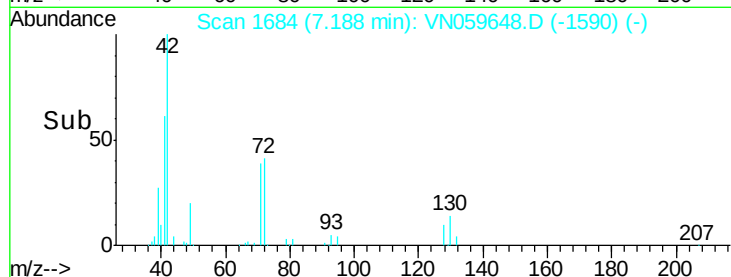
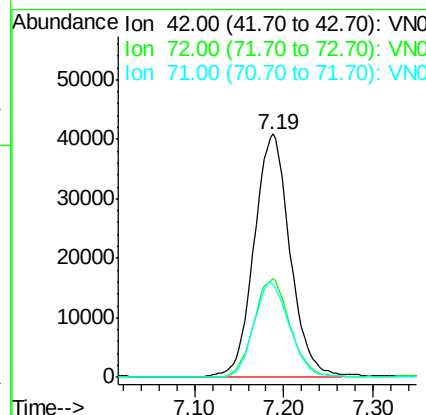
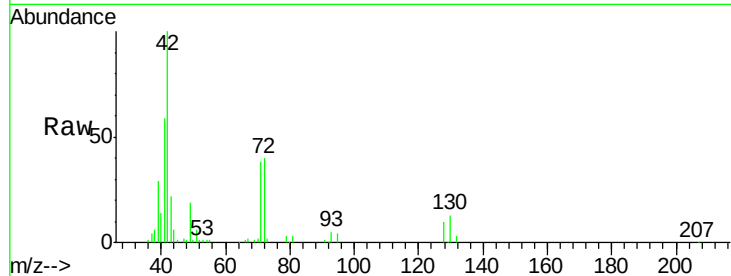
#29
Tetrahydrofuran
Concen: 89.850 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS01

Tot Ion	Ratio	Resp	Lower	Upper
42	100	115158		
72	40.6		33.1	49.7
71	38.5		31.4	47.0

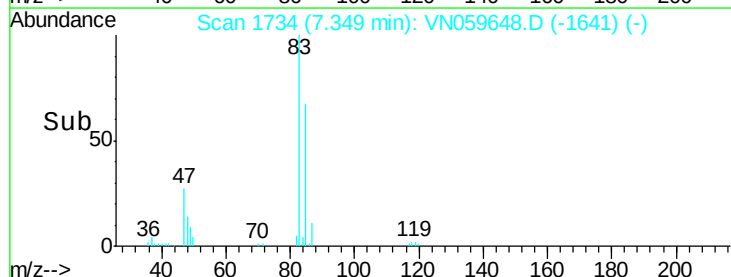
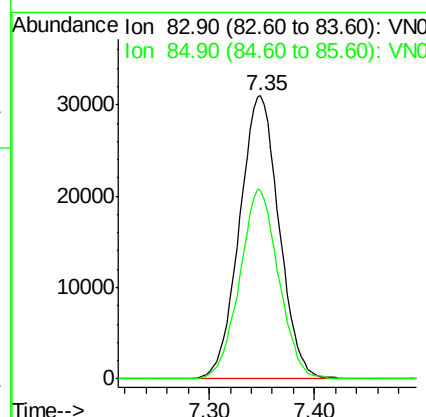
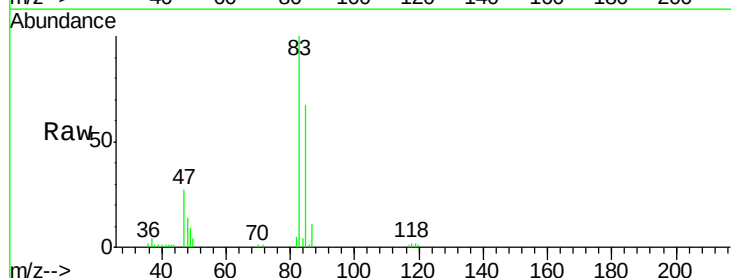
Manual Integrations
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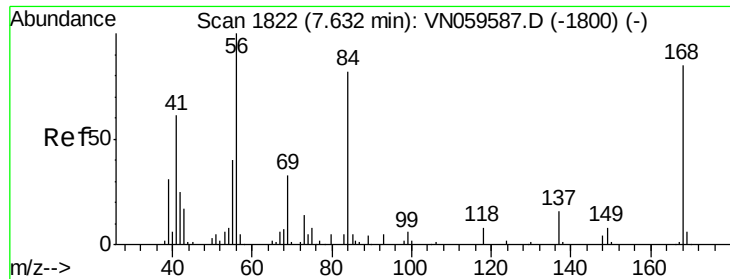
MMDadoda
12/19/2019 11:11:35 AM



#30
Chloroform
Concen: 17.895 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	80648		
85	66.7		52.4	78.6





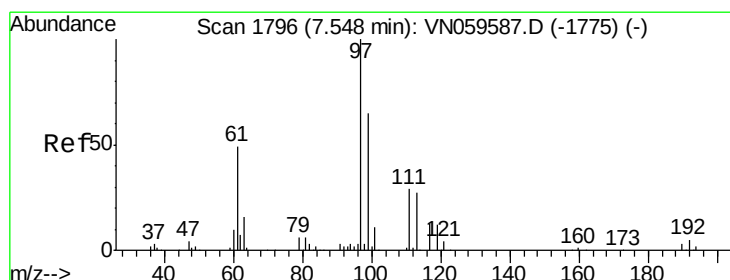
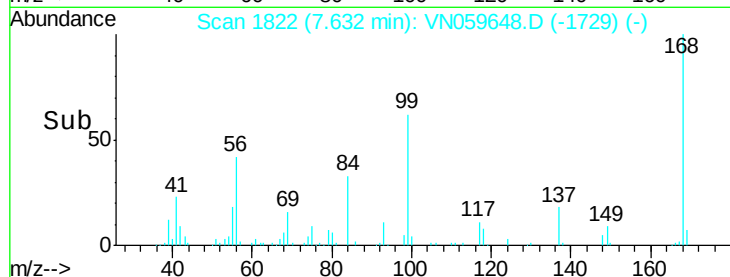
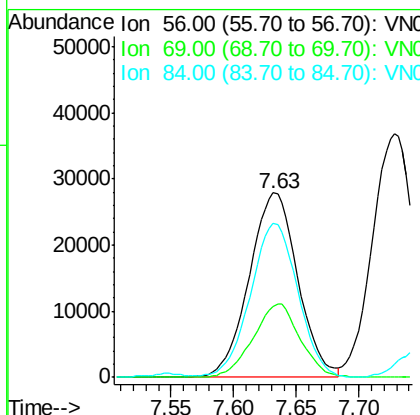
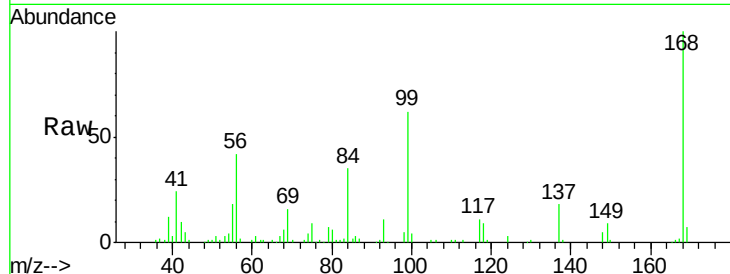
#31
Cyclohexane
Concen: 17.370 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.7	26.5	39.7
84	82.5	65.3	97.9

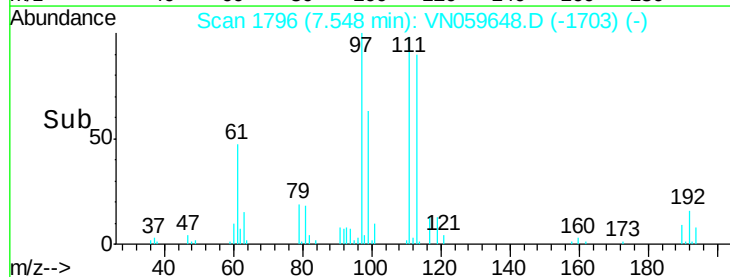
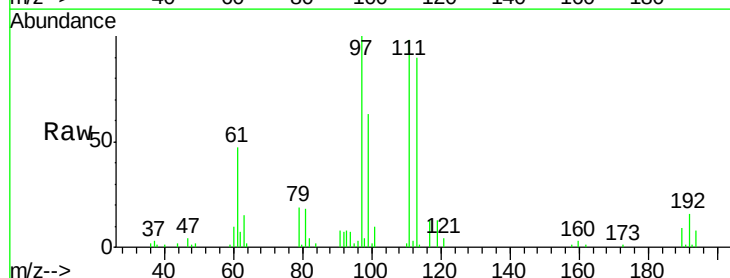
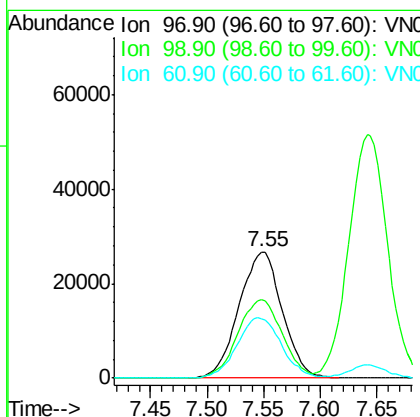
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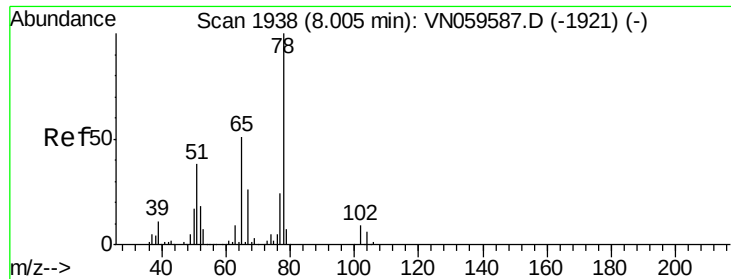
MMDadoda
12/19/2019 11:11:35 AM



#32
1,1,1-Trichloroethane
Concen: 17.495 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.0	76.4
61	48.9	38.5	57.7





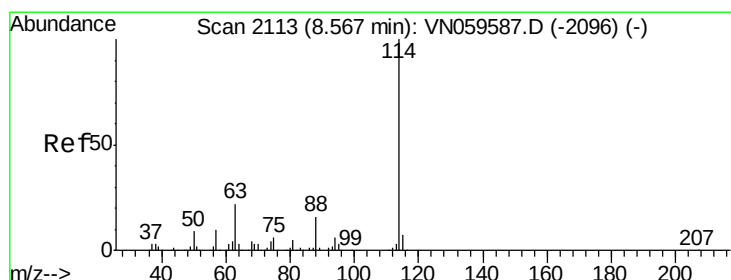
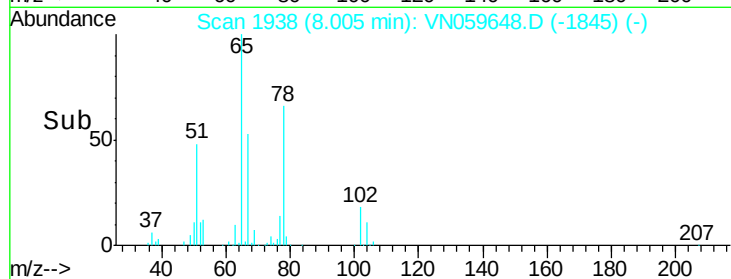
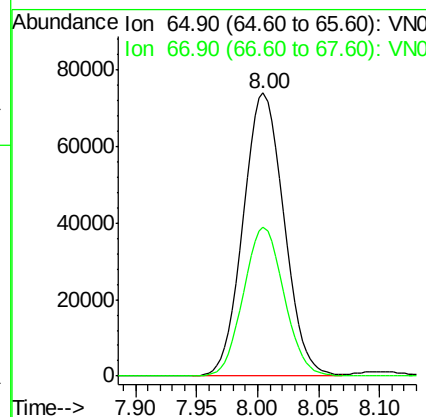
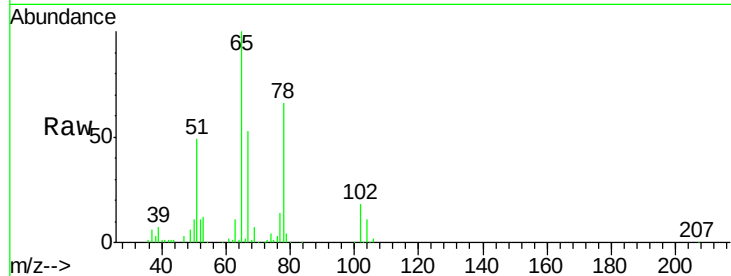
#33
 1,2-Dichloroethane-d4
 Concen: 57.941 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059648.D
 Acq: 18 Dec 2019 14:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	171674		
67	52.3	0.0	103.0	

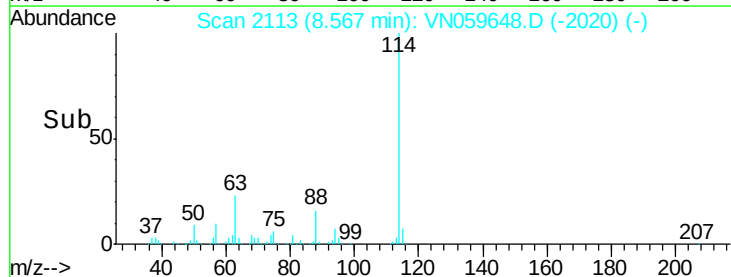
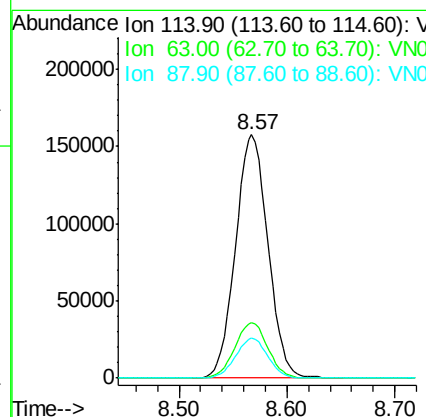
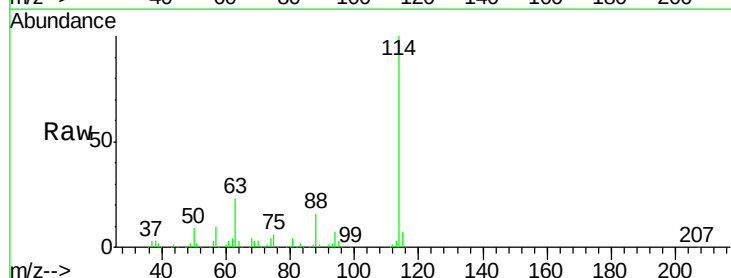
Manual Integrations
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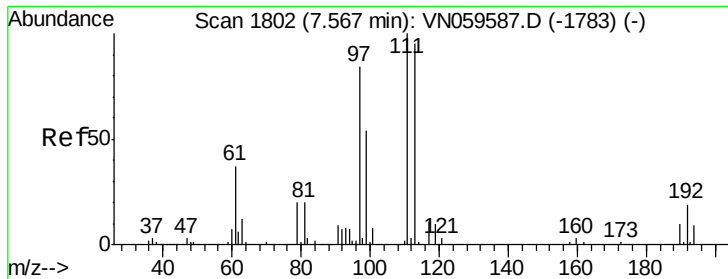
MMDadoda
 12/19/2019 11:11:35 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059648.D
 Acq: 18 Dec 2019 14:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	330842		
63	22.7	0.0	43.6	
88	16.4	0.0	31.4	





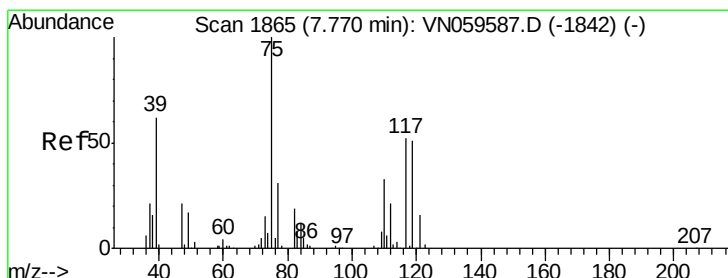
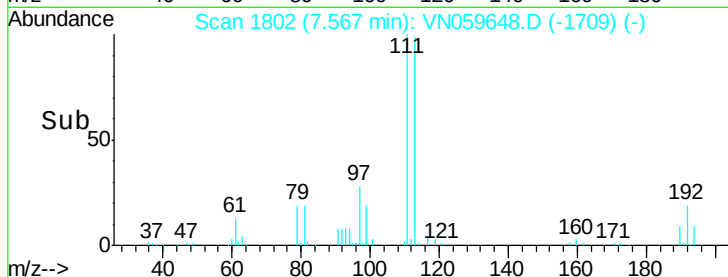
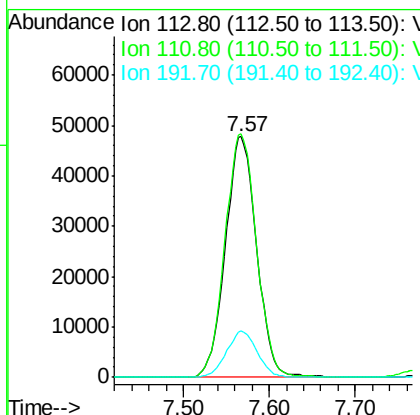
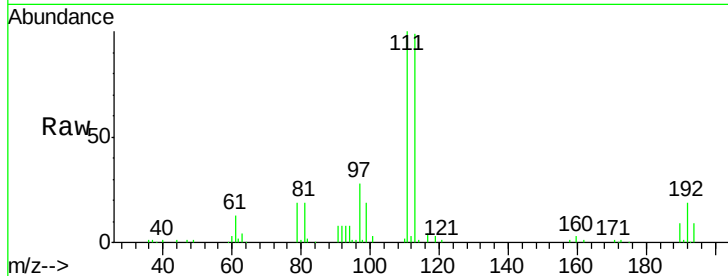
#35
 Dibromofluoromethane
 Concen: 58.127 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059648.D
 Acq: 18 Dec 2019 14:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	120326		
111	101.8	83.5	125.3	
192	18.8	15.4	23.2	

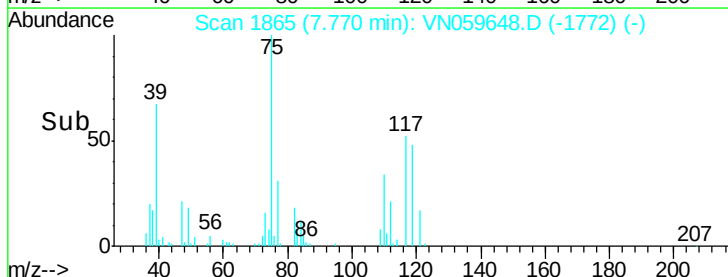
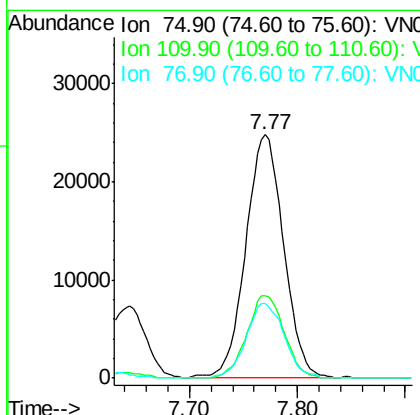
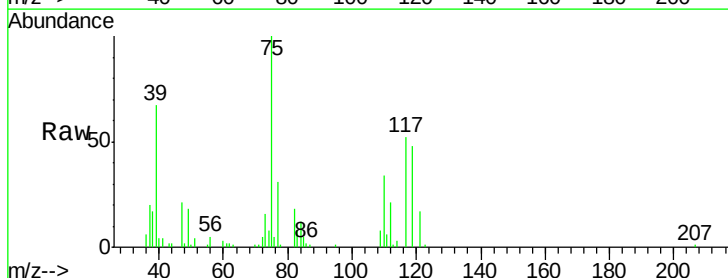
Manual Integrations
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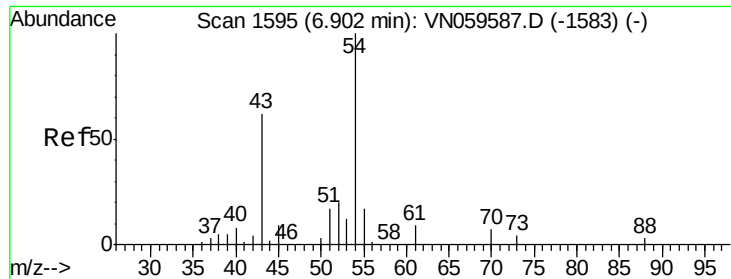
MMDadoda
 12/19/2019 11:11:35 AM



#36
 1,1-Dichloropropene
 Concen: 17.509 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059648.D
 Acq: 18 Dec 2019 14:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	60410		
110	33.5	16.6	49.7	
77	31.0	25.1	37.7	





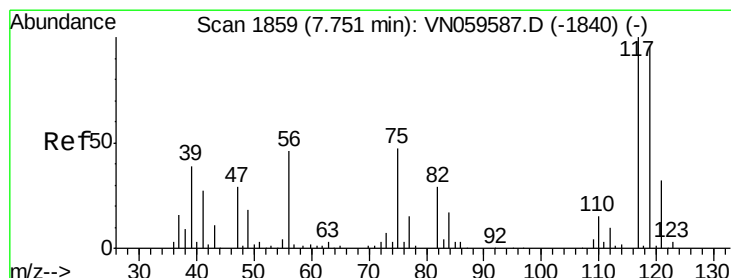
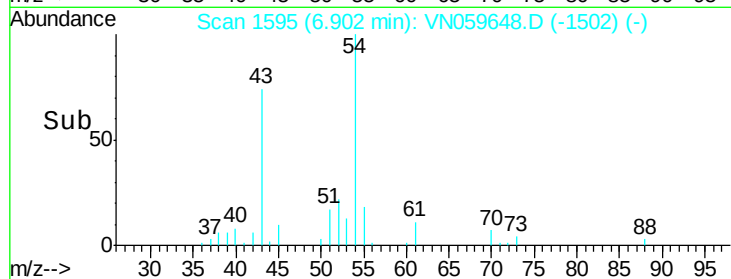
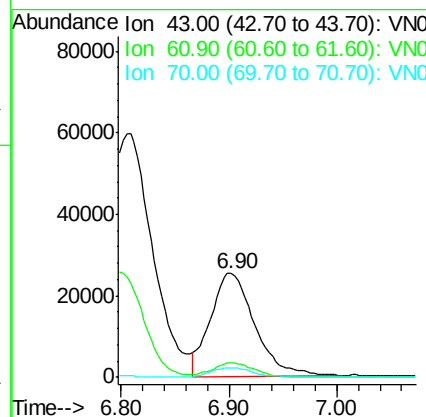
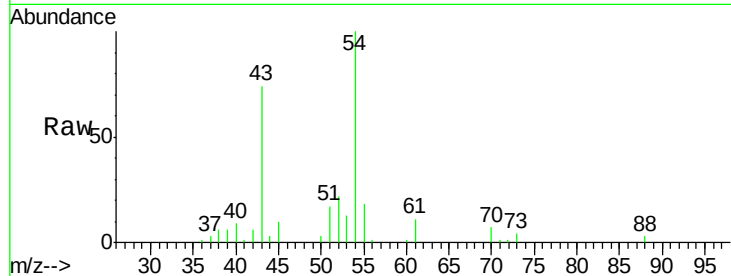
#37
Ethyl Acetate
Concen: 17.855 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS01

Tot Ion	43	61	70
Resp	71600		
Ratio	100	13.8	9.1
Lower		10.9	7.7
Upper		16.3	11.5

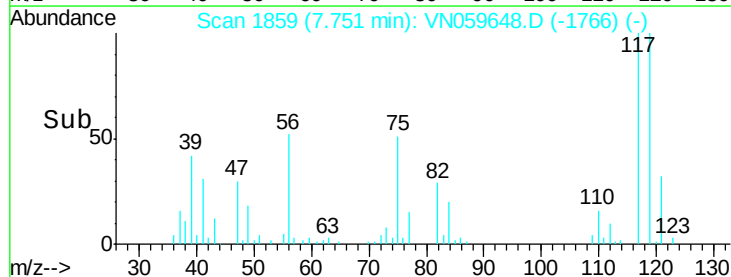
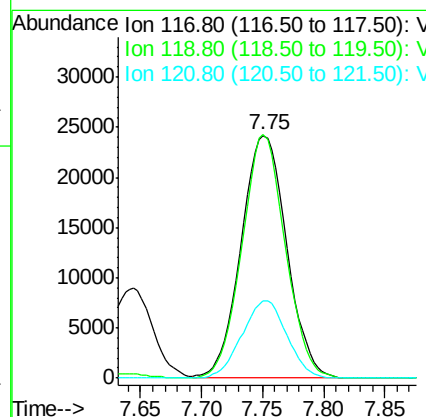
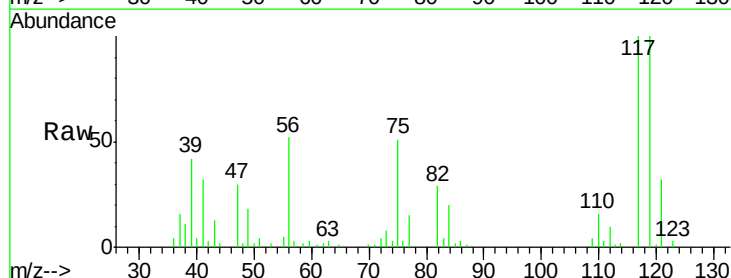
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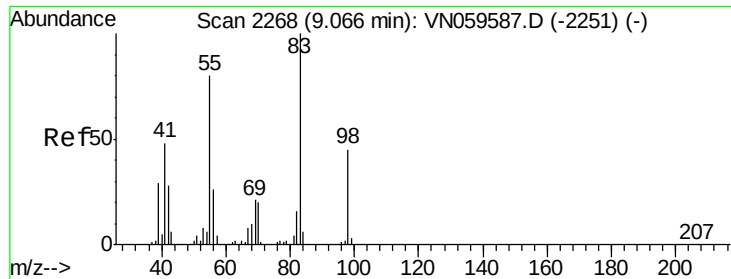
MMDadoda
12/19/2019 11:11:35 AM



#38
Carbon Tetrachloride
Concen: 17.477 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Tgt Ion	117	119	121
Resp	62570		
Ratio	100	100.4	31.8
Lower		76.5	25.1
Upper		114.7	37.7





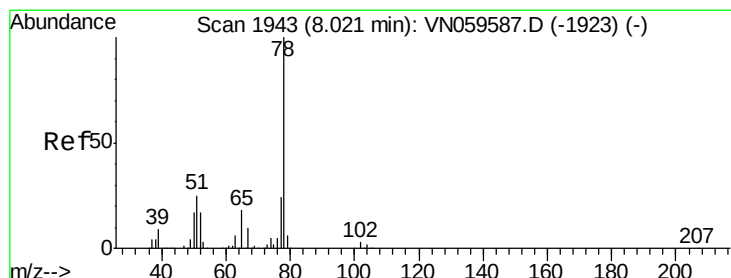
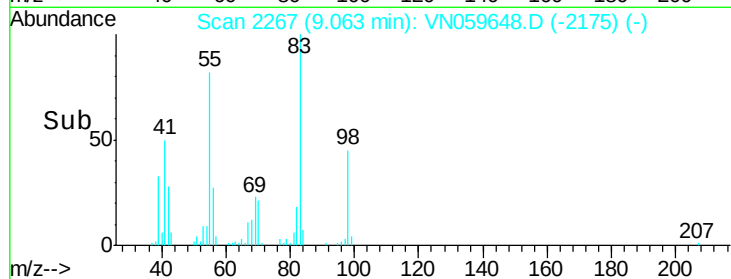
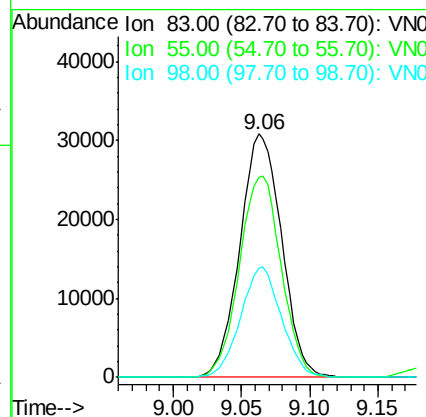
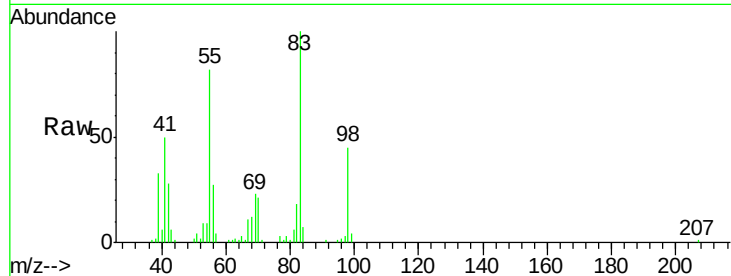
#39
Methylvlcyclohexane
Concen: 16.743 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.0	64.2	96.2
98	44.7	35.9	53.9

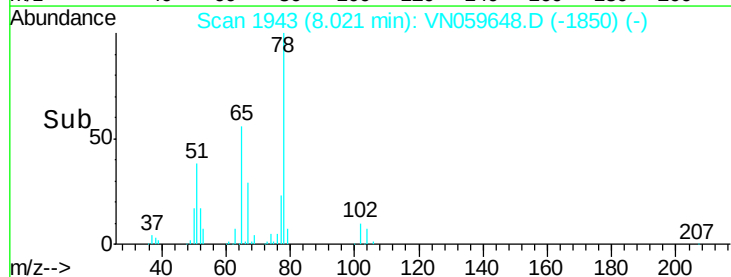
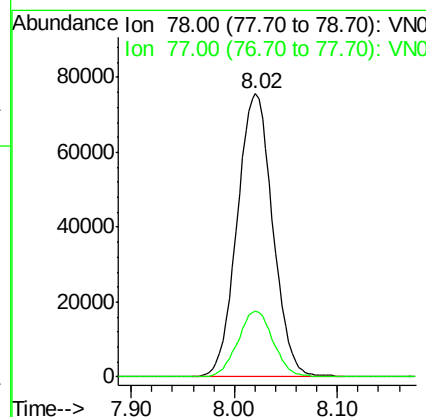
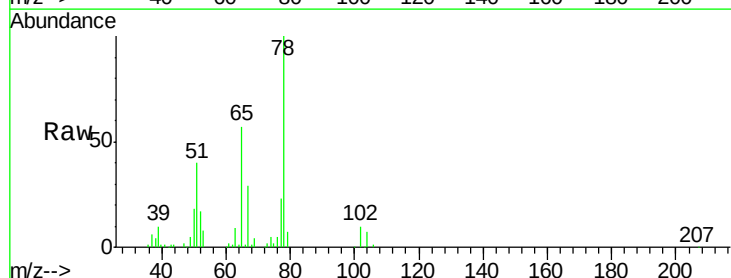
Manual Integrations
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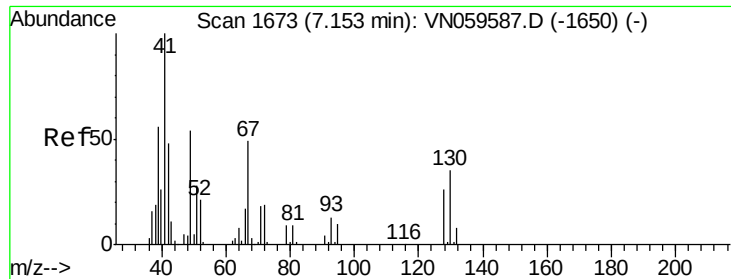
MMDadoda
12/19/2019 11:11:35 AM



#40
Benzene
Concen: 17.998 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.9	28.3





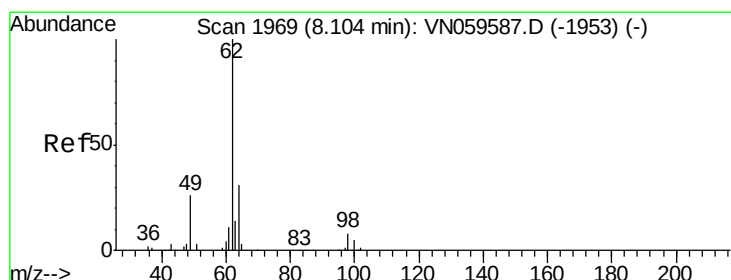
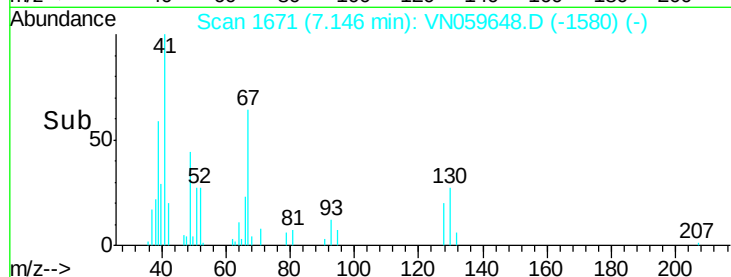
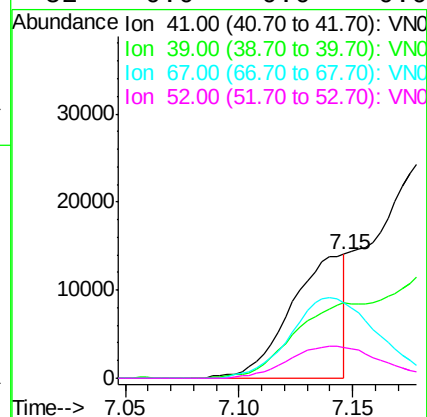
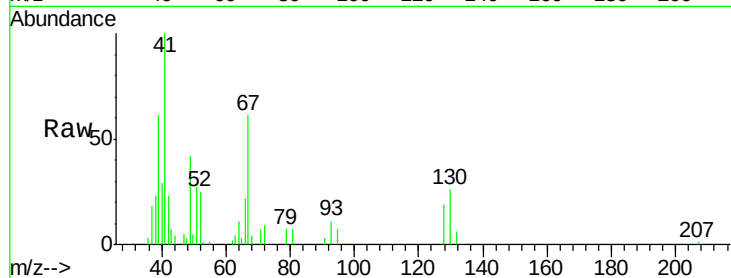
#41
Methacrylonitrile
Concen: 14.097 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. -0.01 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS01

Tot Ion	41	Resp	23330
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

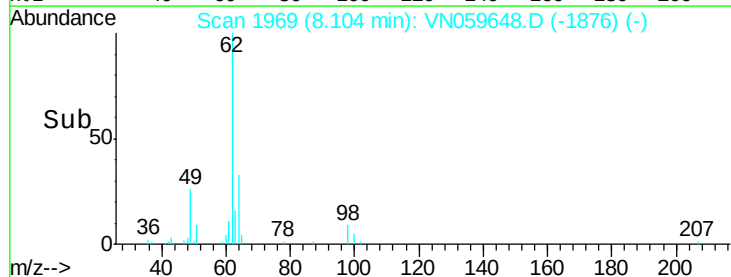
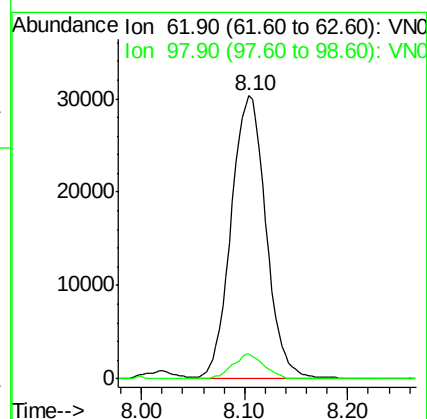
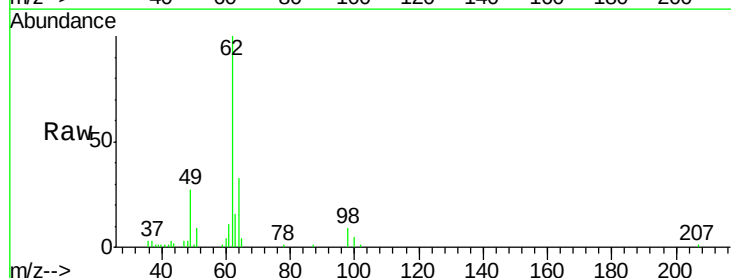
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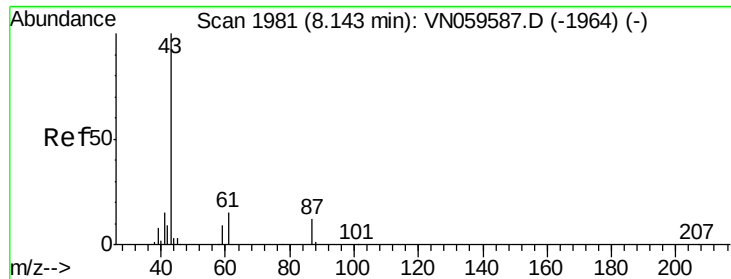
MMDadoda
12/19/2019 11:11:35 AM



#42
1,2-Dichloroethane
Concen: 18.524 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Tgt Ion	62	Resp	71528
Ion Ratio	Lower	Upper	
62	100		
98	7.8	0.0	15.8





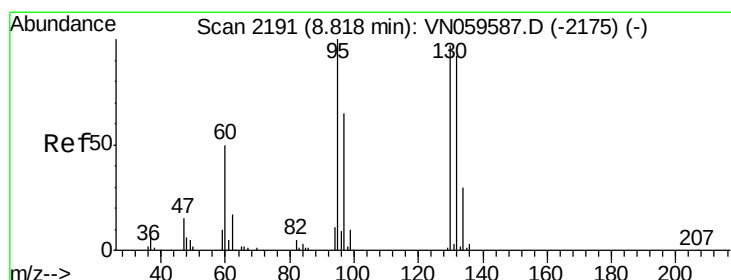
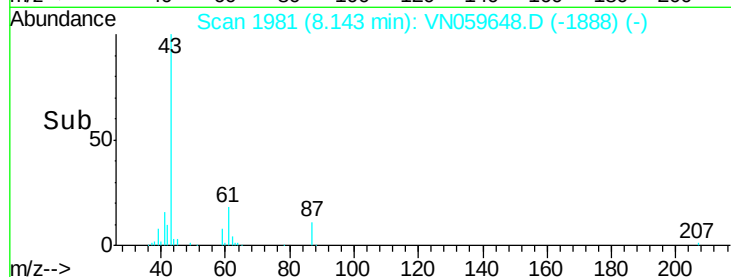
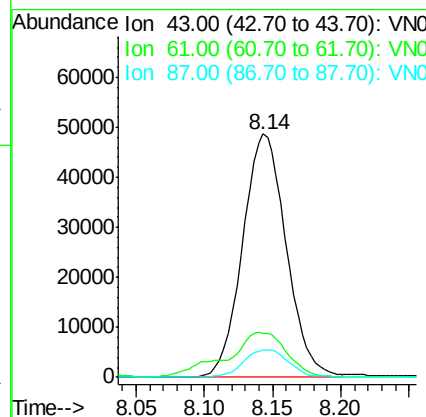
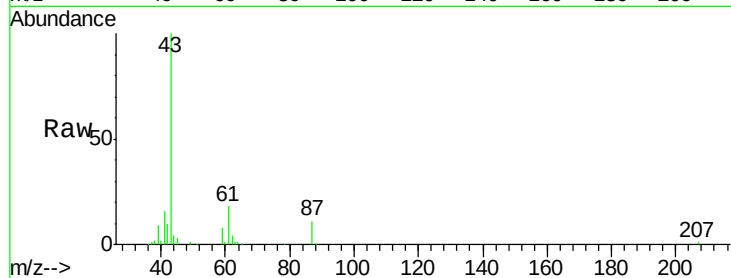
#43
Isopropyl Acetate
Concen: 17.170 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.8	20.2	30.2
87	11.8	9.5	14.3

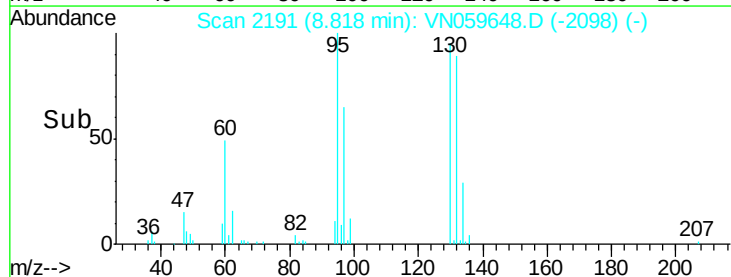
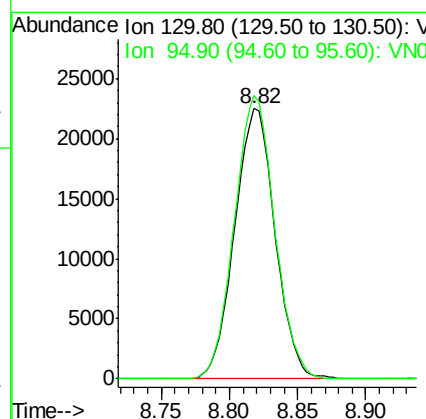
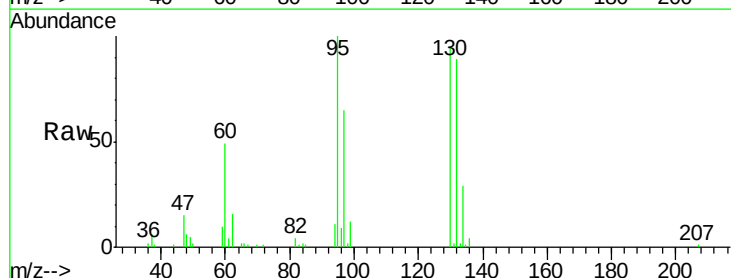
Manual Integrations
APPROVED

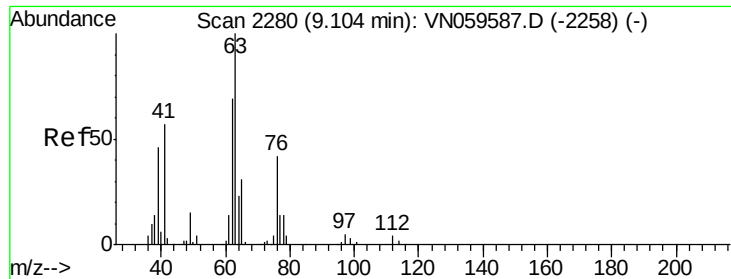
MMDadoda
12/19/2019 11:11:35 AM



#44
Trichloroethene
Concen: 17.507 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.8	0.0	207.0





#45

1,2-Dichloropropane

Concen: 18.145 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS01

Tot Ion: 63 Resp: 49404

Ion Ratio Lower Upper

63 100

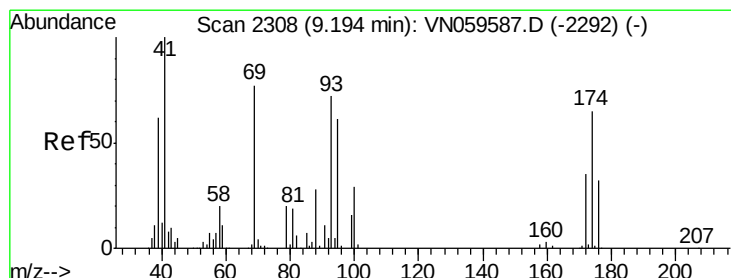
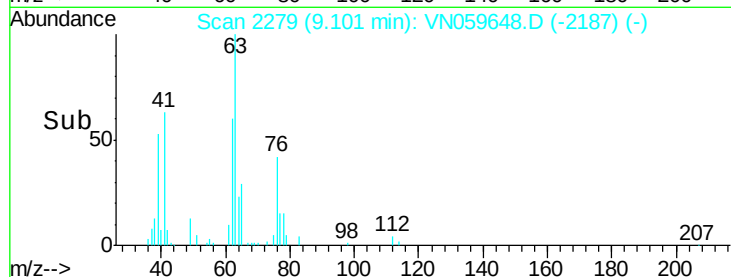
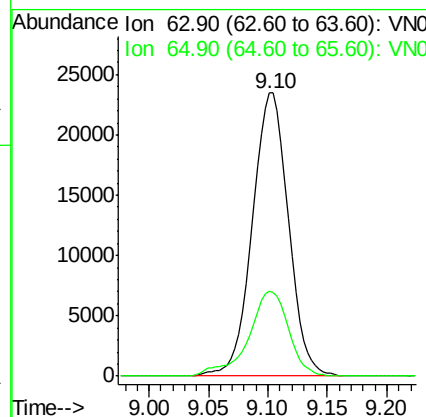
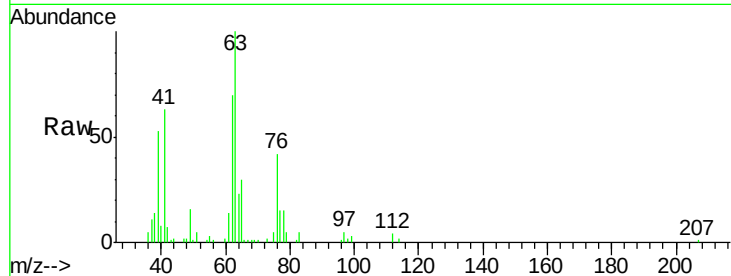
65 29.9 24.9 37.3

Manual Integrations

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#46

Dibromomethane

Concen: 17.677 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

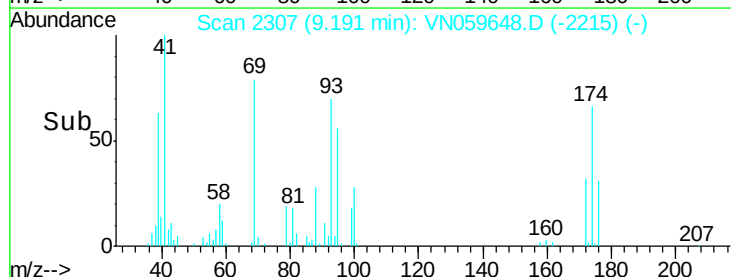
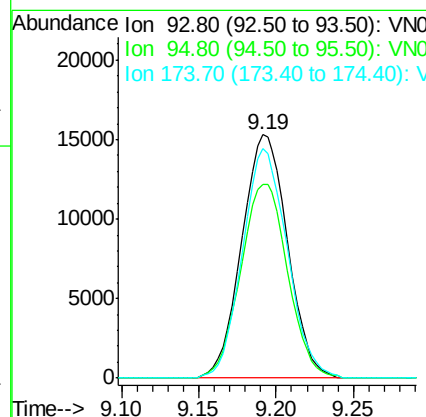
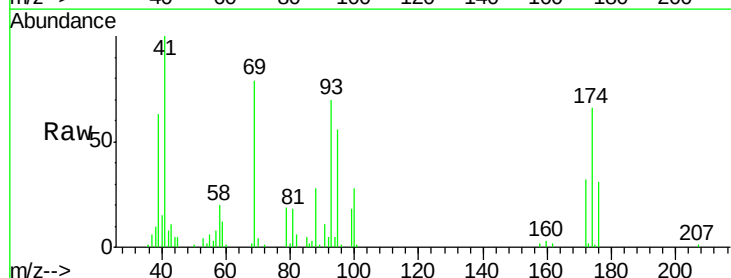
Tgt Ion: 93 Resp: 31533

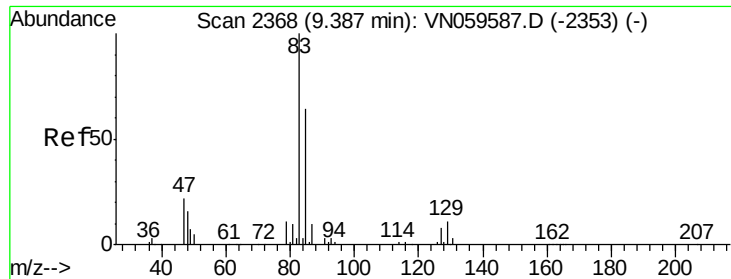
Ion Ratio Lower Upper

93 100

95 81.8 67.0 100.6

174 92.3 73.4 110.2





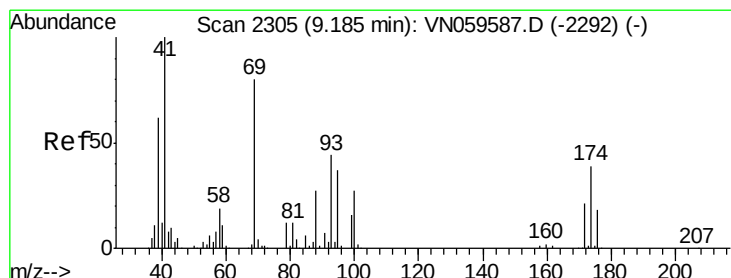
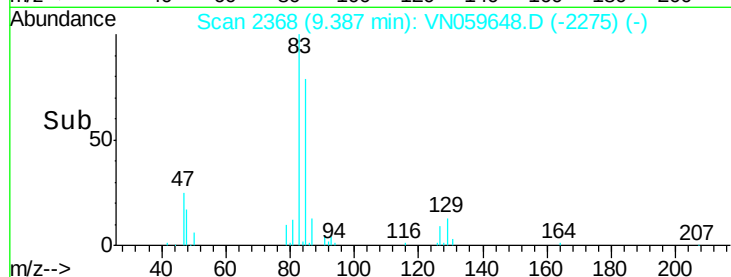
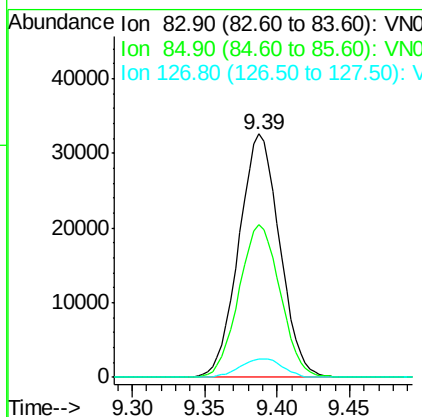
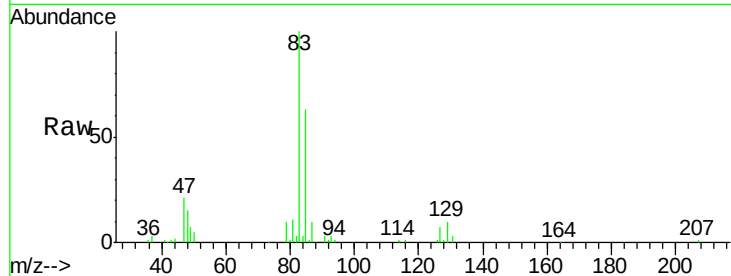
#47
Bromodichloromethane
Concen: 17.969 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.1	76.7
127	7.3	6.6	9.8

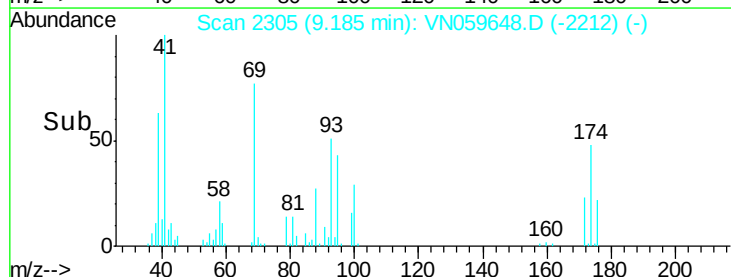
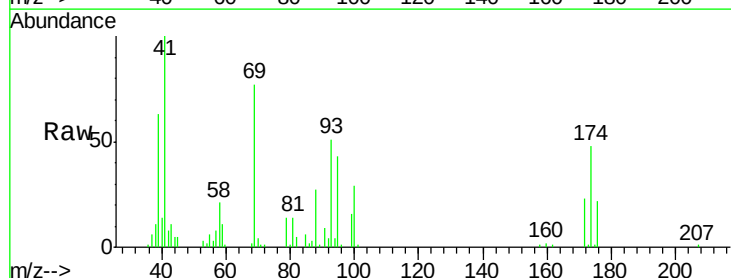
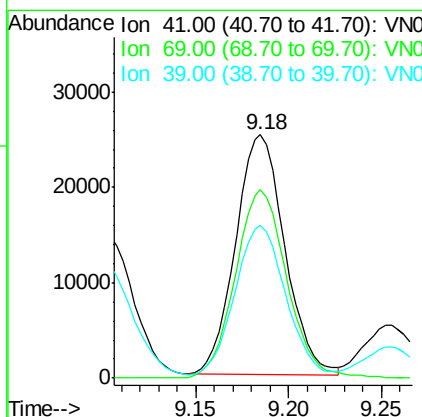
Manual Integrations
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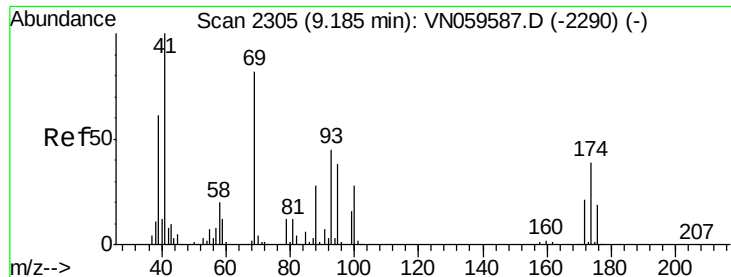
MMDadoda
12/19/2019 11:11:35 AM



#48
Methyl methacrylate
Concen: 16.400 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Tgt Ion	Ratio	Lower	Upper
41	100		
69	82.4	64.4	96.6
39	67.2	51.3	76.9





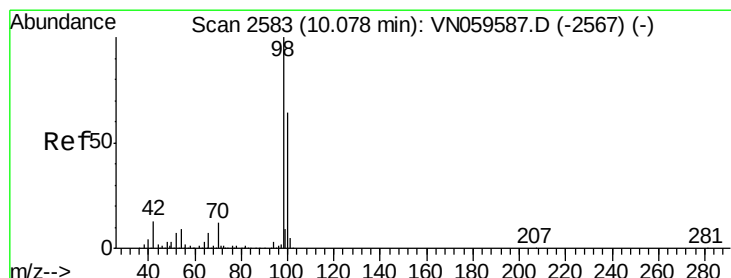
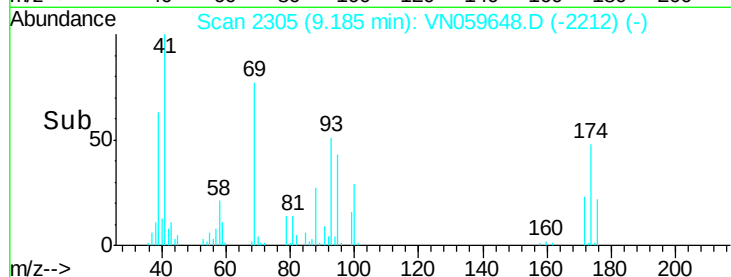
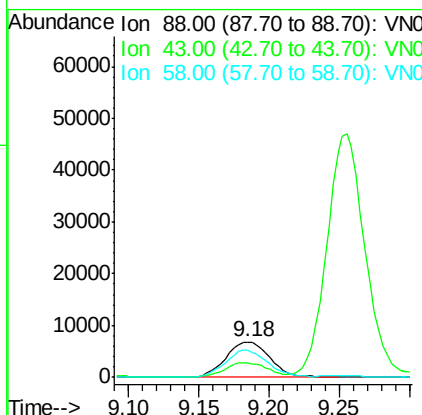
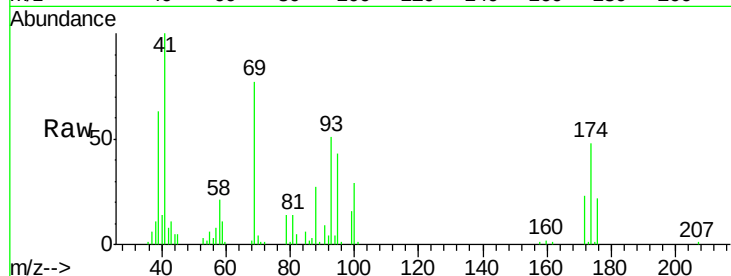
#49
1,4-Dioxane
Concen: 367.825 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.5	29.7	44.5
58	74.4	56.6	85.0

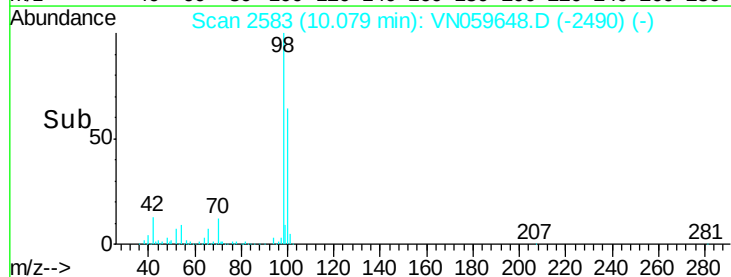
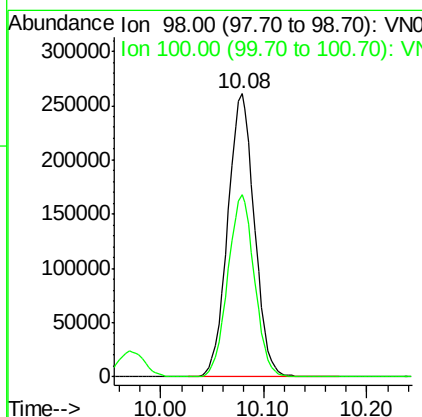
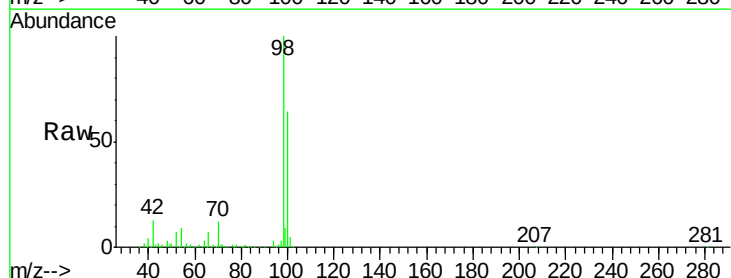
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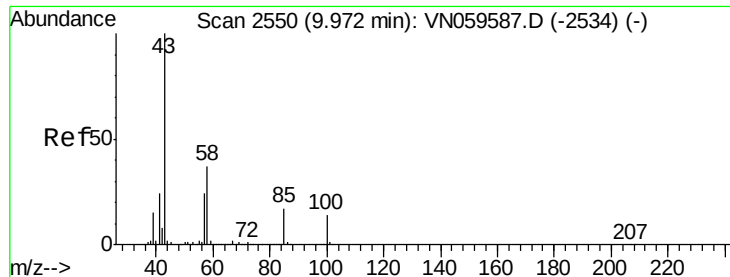
MMDadoda
12/19/2019 11:11:35 AM



#50
Toluene-d8
Concen: 57.356 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.2	76.8





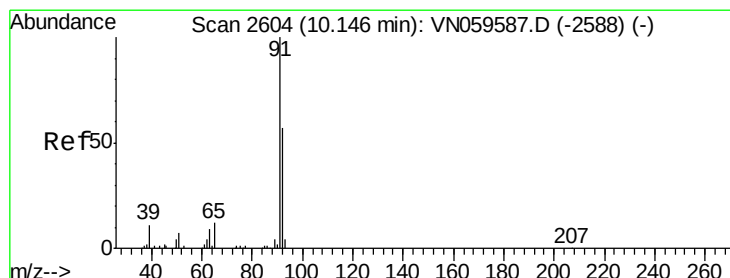
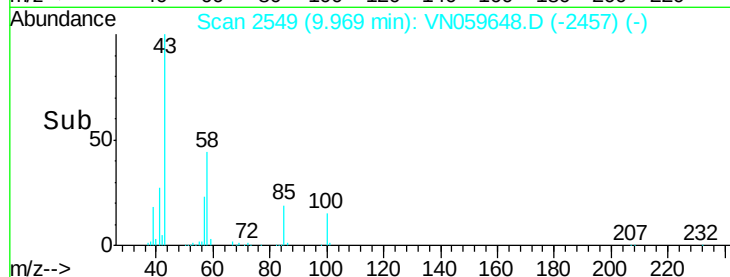
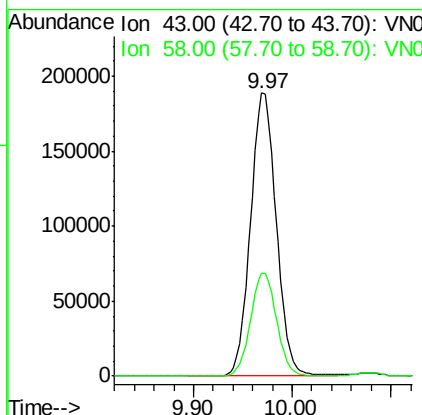
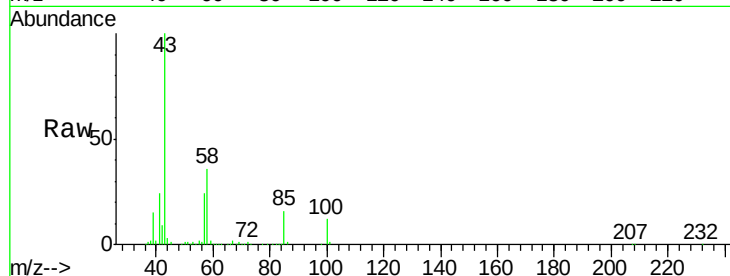
#51
4-Methyl-2-Pentanone
Concen: 91.111 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. -0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS01

Tot Ion: 43 Resp: 338678
Ion Ratio Lower Upper
43 100
58 36.8 29.8 44.8

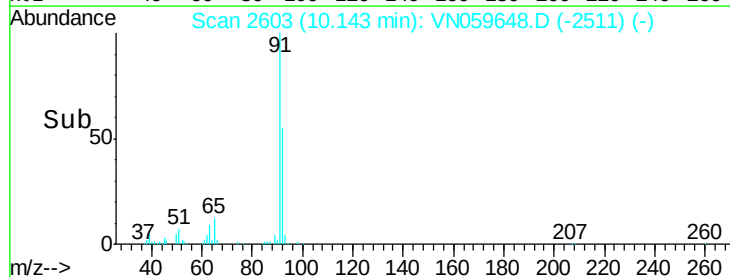
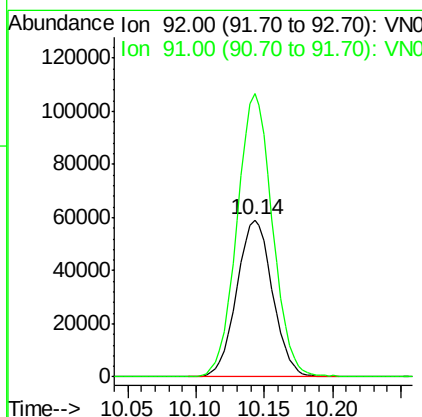
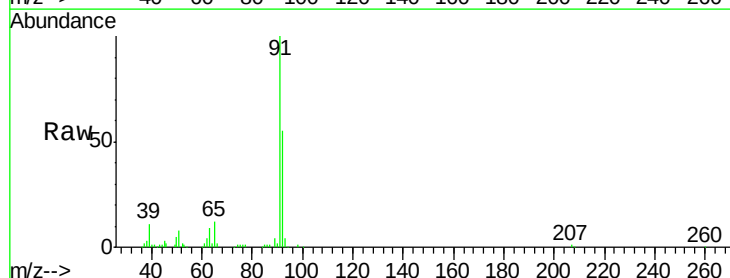
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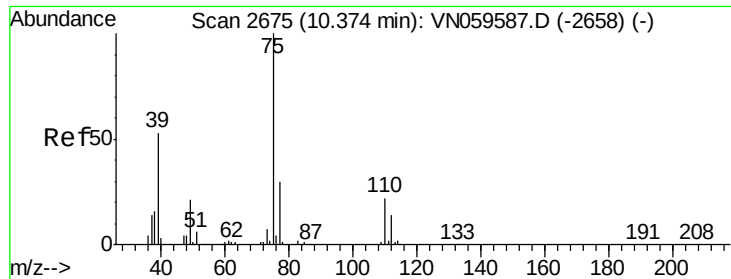
MMDadoda
12/19/2019 11:11:35 AM



#52
Toluene
Concen: 17.393 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Tgt Ion: 92 Resp: 107755
Ion Ratio Lower Upper
92 100
91 178.3 140.4 210.6





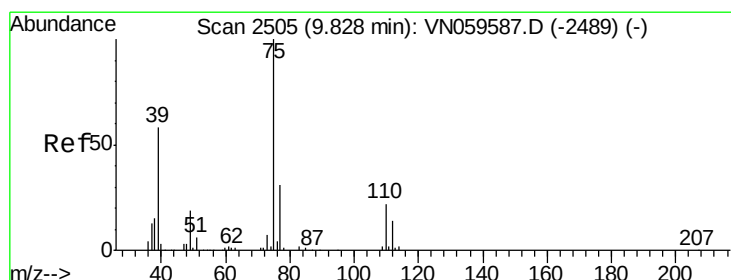
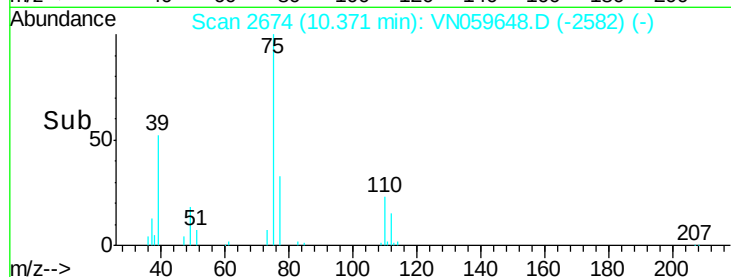
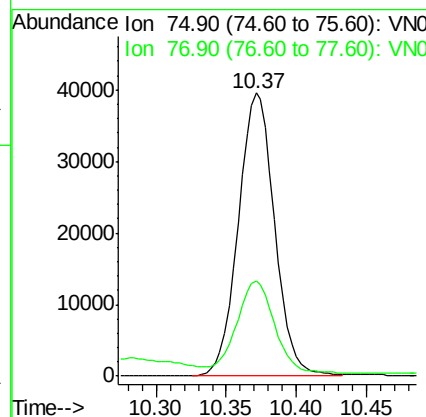
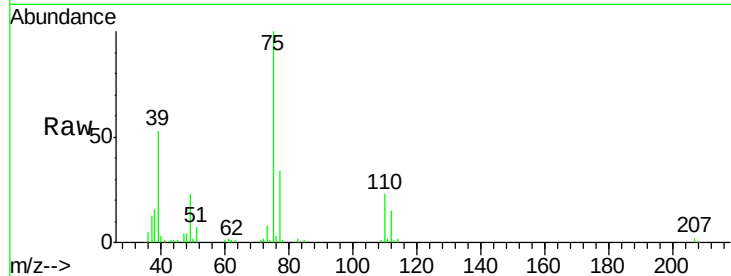
#53
t-1,3-Dichloropropene
Concen: 17.316 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS01

Tot Ion: 75 Resp: 71221
Ion Ratio Lower Upper
75 100
77 32.7 25.4 38.2

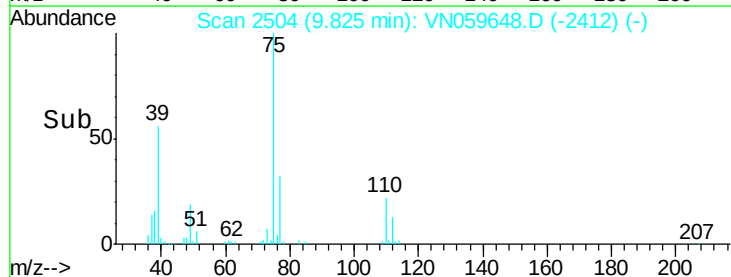
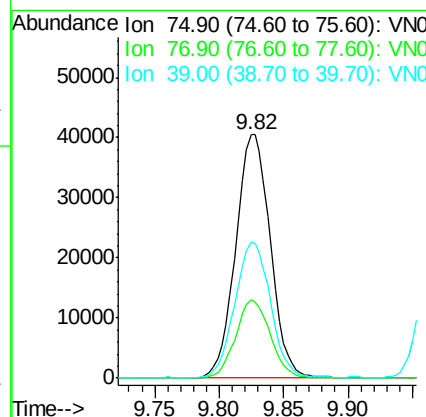
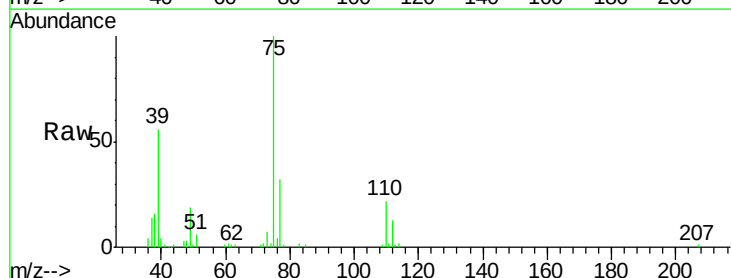
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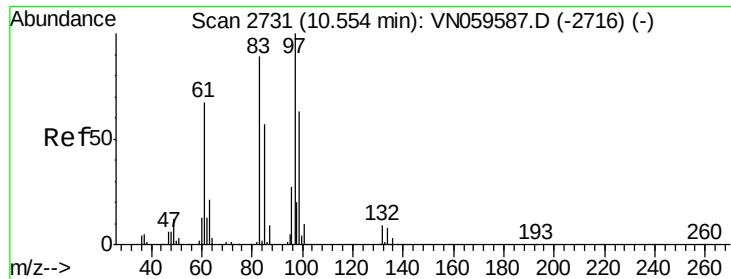
MMDadoda
12/19/2019 11:11:35 AM



#54
cis-1,3-Dichloropropene
Concen: 17.490 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Tgt Ion: 75 Resp: 75618
Ion Ratio Lower Upper
75 100
77 32.1 25.1 37.7
39 56.1 46.1 69.1





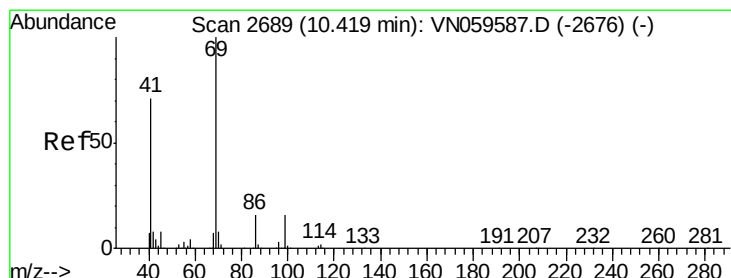
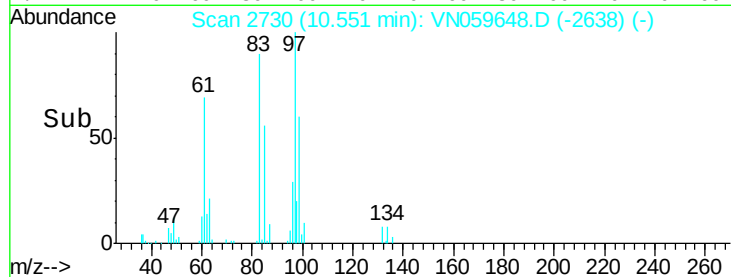
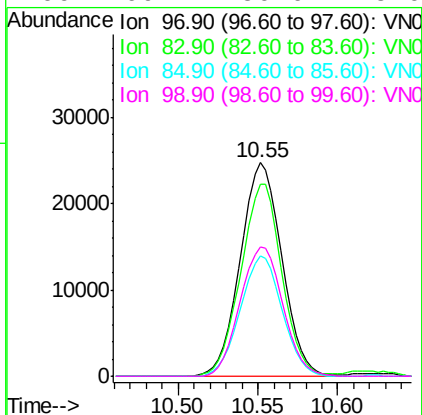
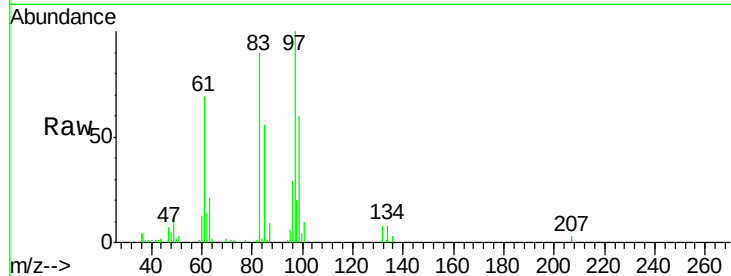
#55
 1,1,2-Trichloroethane
 Concen: 18.043 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN059648.D
 Acq: 18 Dec 2019 14:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBS01

Tot Ion:	97	Resp:	43863
Ion	Ratio	Lower	Upper
97	100		
83	90.2	71.3	106.9
85	56.2	45.8	68.8
99	60.4	50.0	75.0

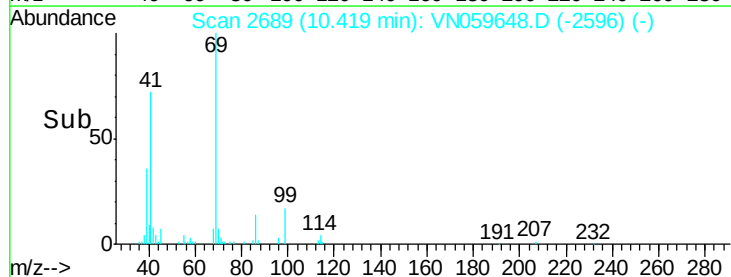
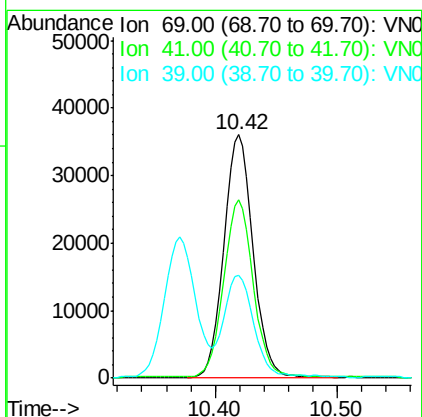
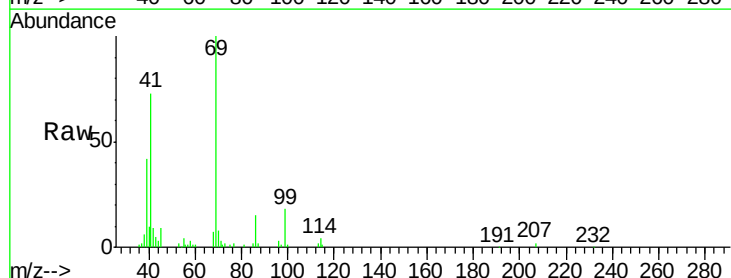
Manual Integrations
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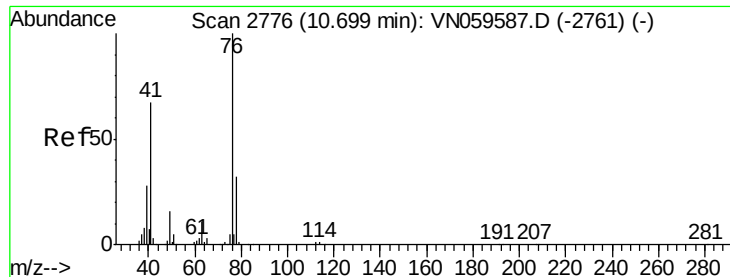
MMDadoda
 12/19/2019 11:11:35 AM



#56
 Ethyl methacrylate
 Concen: 16.851 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059648.D
 Acq: 18 Dec 2019 14:16

Tgt Ion:	69	Resp:	60813
Ion	Ratio	Lower	Upper
69	100		
41	73.0	57.1	85.7
39	43.3	34.7	52.1





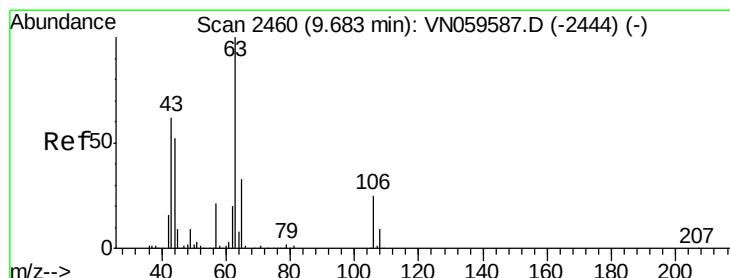
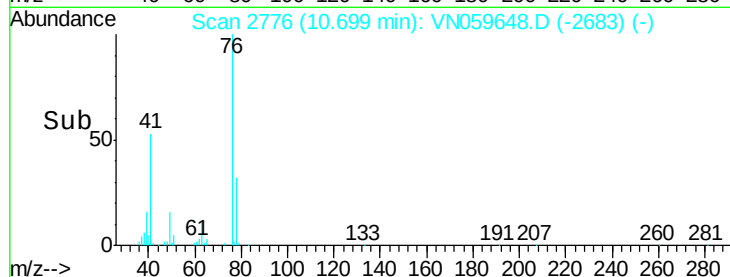
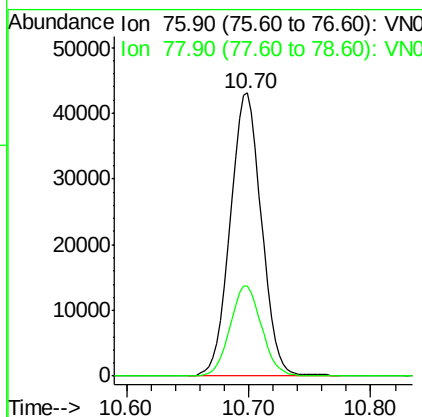
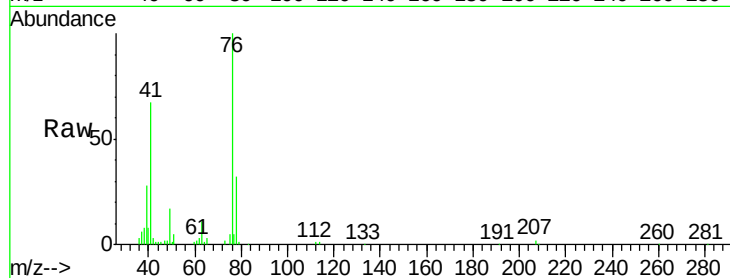
#57
 1,3-Dichloropropane
 Concen: 18.131 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. 0.00 min
 Lab File: VN059648.D
 Acq: 18 Dec 2019 14:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.8

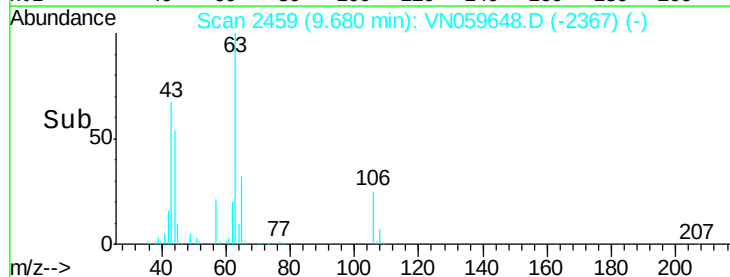
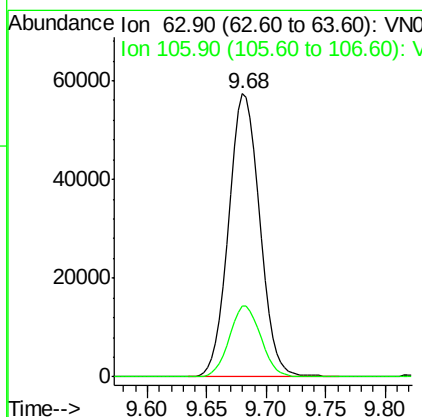
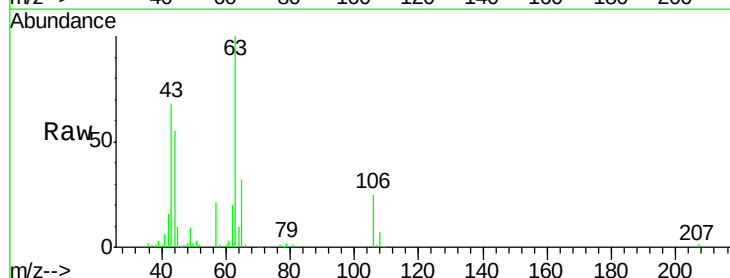
Manual Integrations
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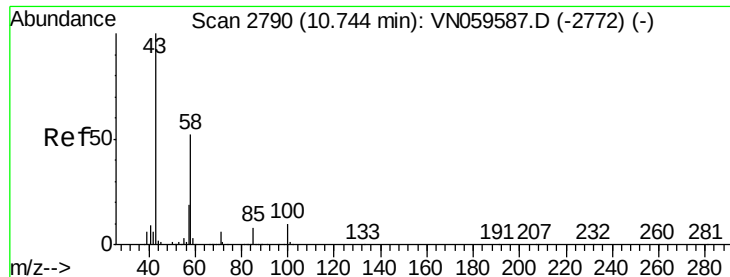
MMDadoda
 12/19/2019 11:11:35 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.845 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN059648.D
 Acq: 18 Dec 2019 14:16

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.1	20.2	30.2





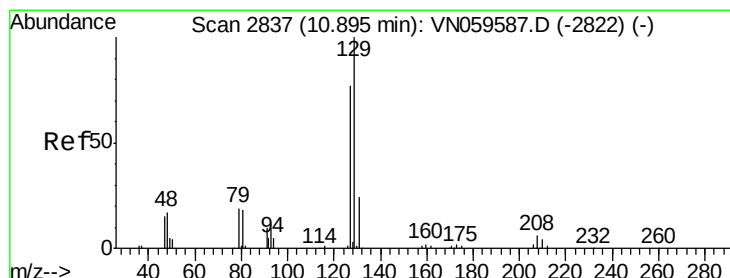
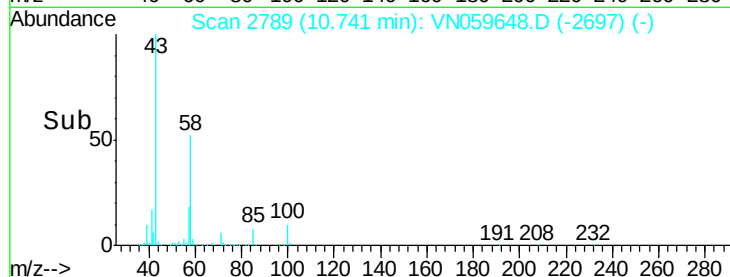
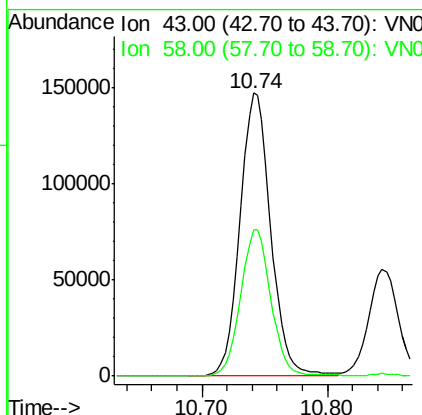
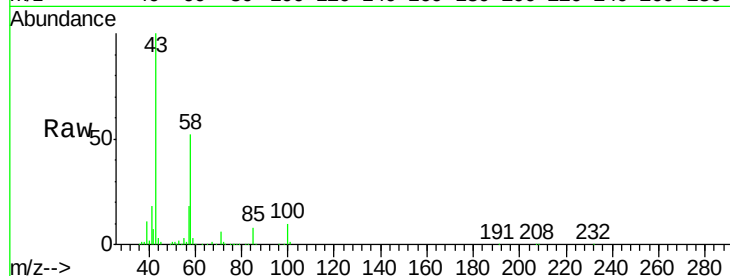
#59
2-Hexanone
Concen: 85.314 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS01

Tot Ion: 43 Resp: 249940
Ion Ratio Lower Upper
43 100
58 51.4 25.8 77.3

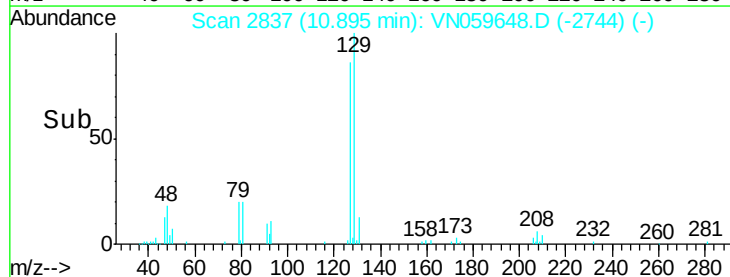
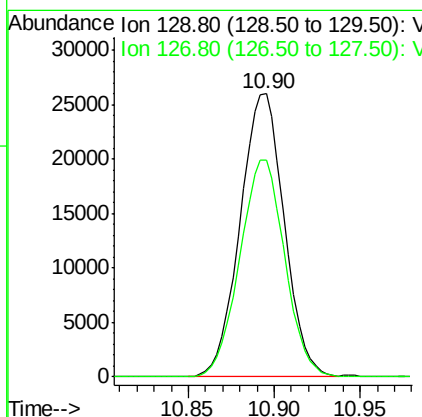
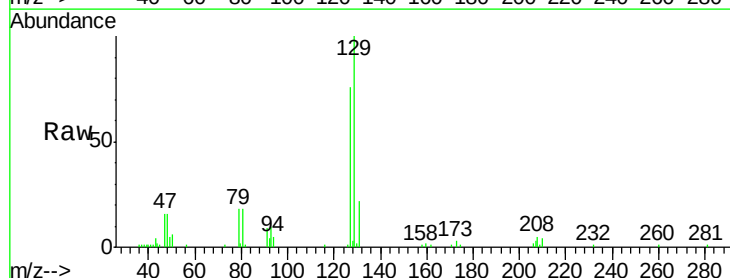
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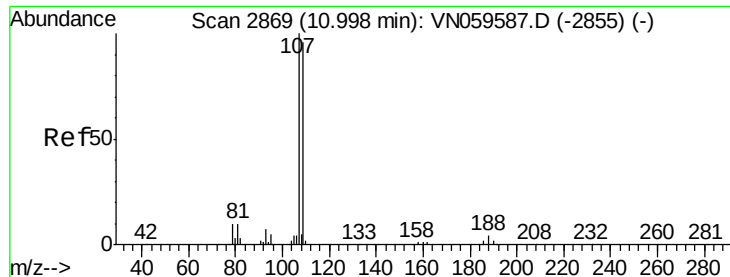
MMDadoda
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#60
Dibromochloromethane
Concen: 17.402 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Tgt Ion: 129 Resp: 46171
Ion Ratio Lower Upper
129 100
127 78.2 38.5 115.5





#61

1,2-Dibromoethane

Concen: 17.249 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS01

Tot Ion:107 Resp: 44472

Ion Ratio Lower Upper

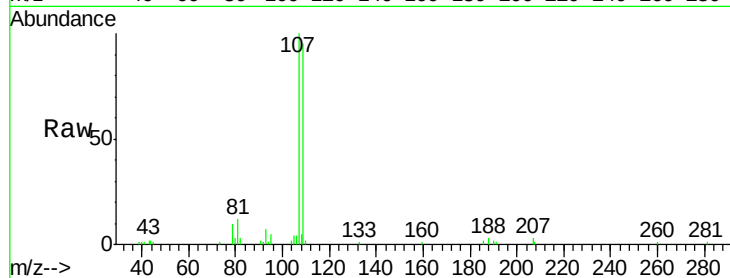
107 100

109 95.8 76.6 115.0

Manual Integrations
APPROVED

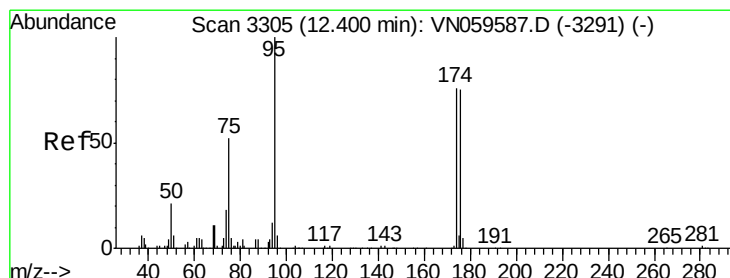
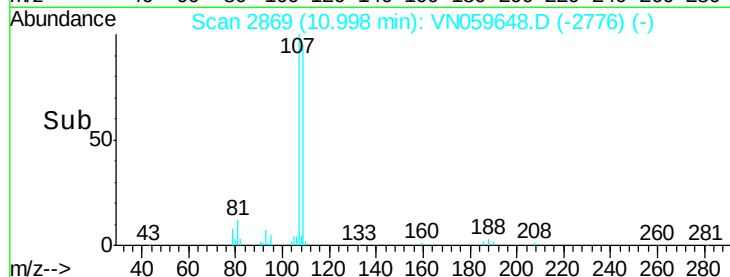
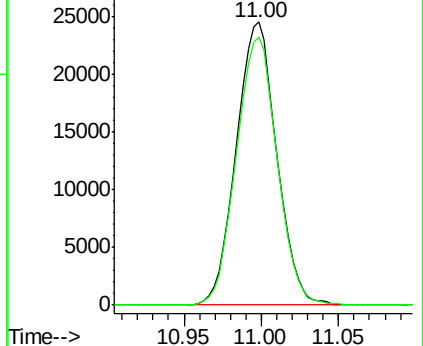
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 55.105 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

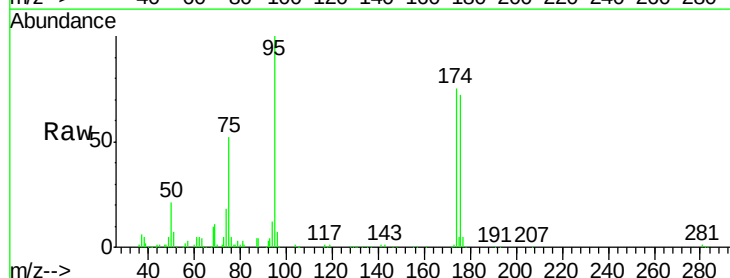
Tgt Ion: 95 Resp: 164790

Ion Ratio Lower Upper

95 100

174 75.9 0.0 151.4

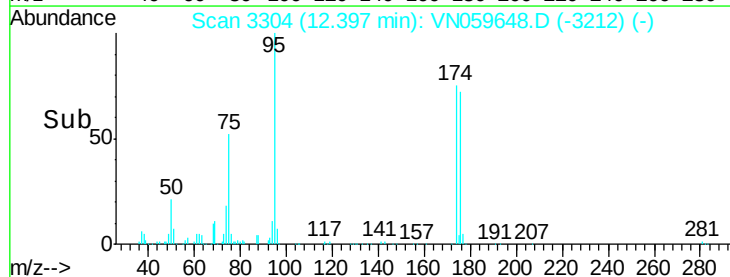
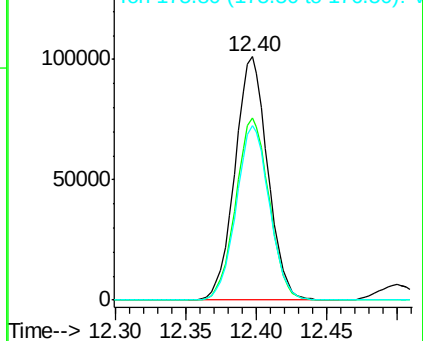
176 72.5 0.0 146.0

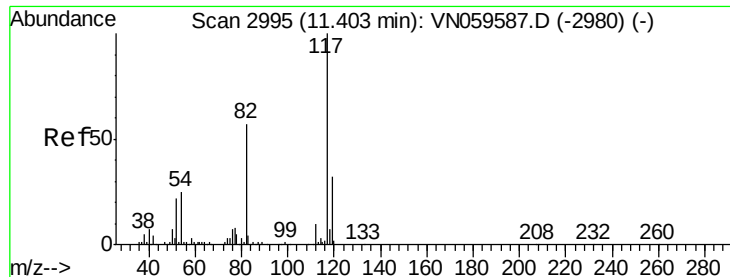


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





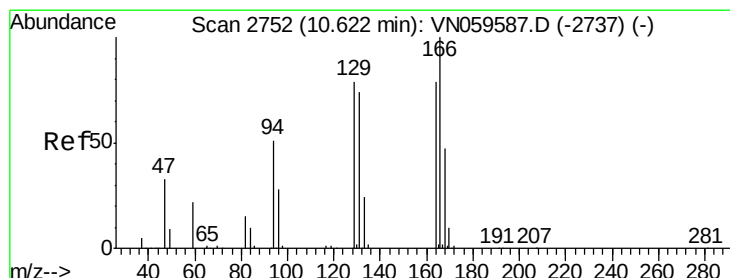
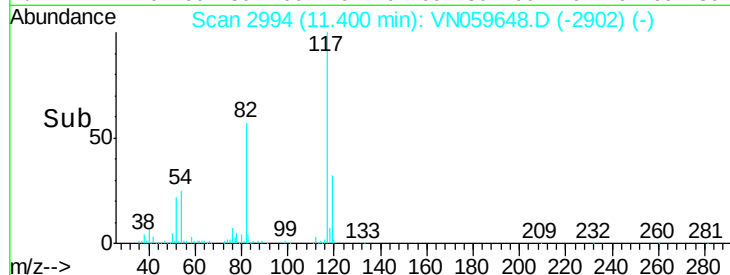
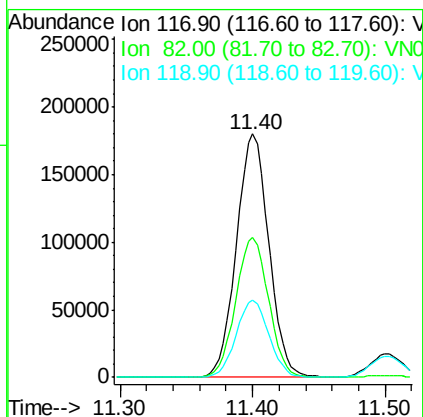
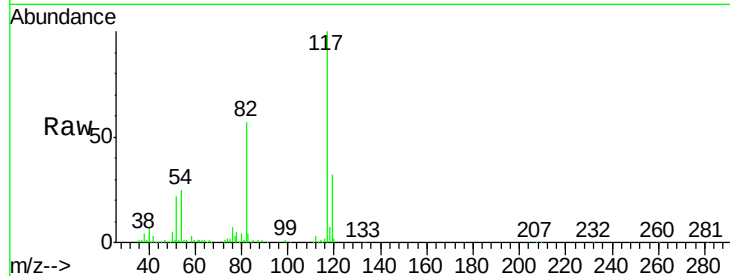
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.2	45.9	68.9
119	31.9	25.5	38.3

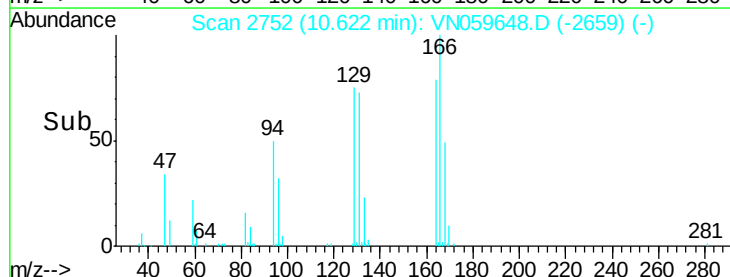
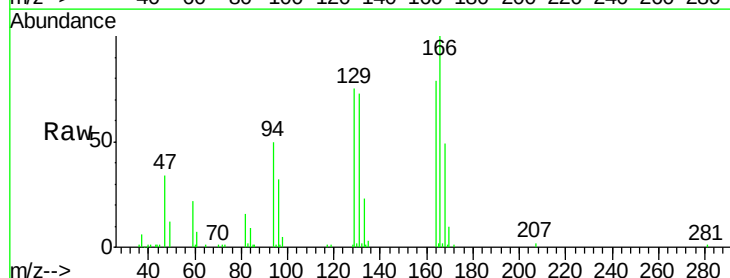
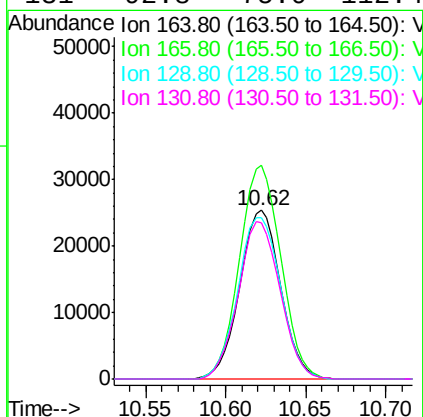
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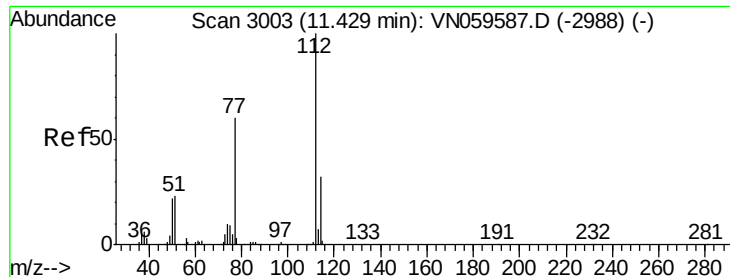
MMDadoda
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#64
Tetrachloroethene
Concen: 15.496 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	101.4	152.0
129	95.6	80.2	120.4
131	92.8	75.0	112.4





#65

Chlorobenzene

Concen: 17.168 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS01

Tot Ion:112 Resp: 113839

Ion Ratio Lower Upper

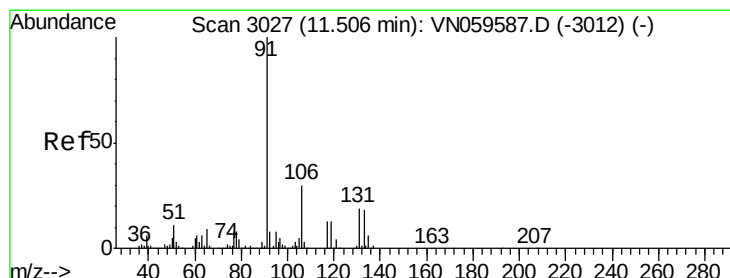
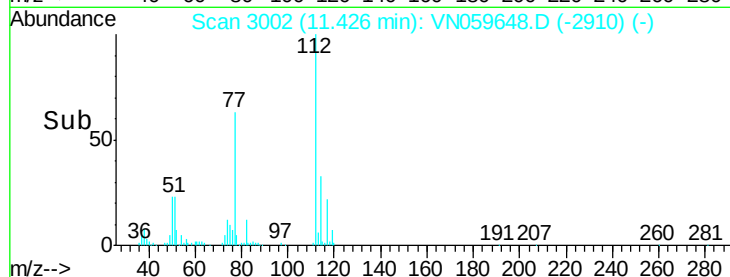
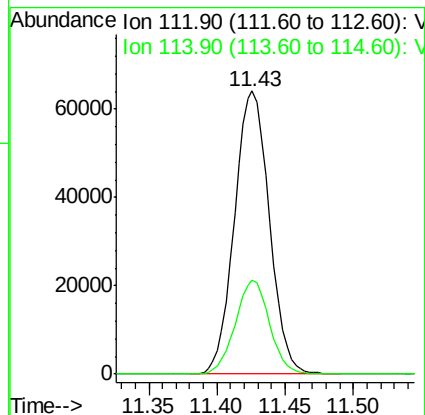
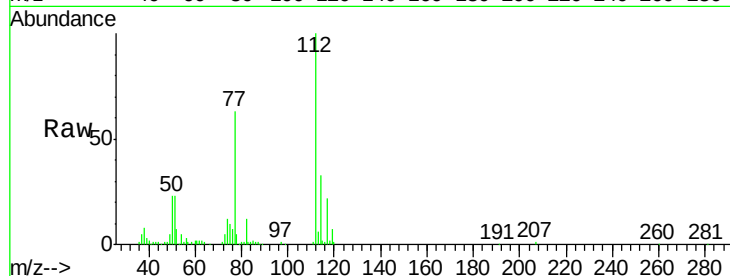
112 100

114 33.3 25.8 38.8

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#66

1,1,1,2-Tetrachloroethane

Concen: 16.852 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

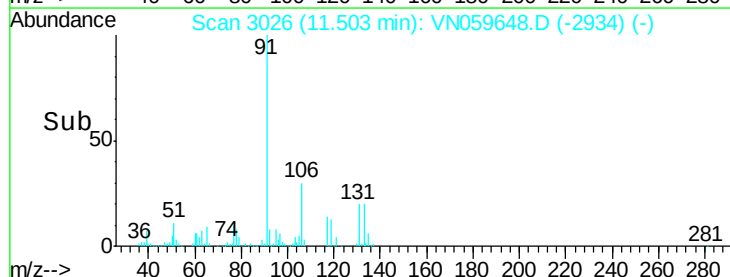
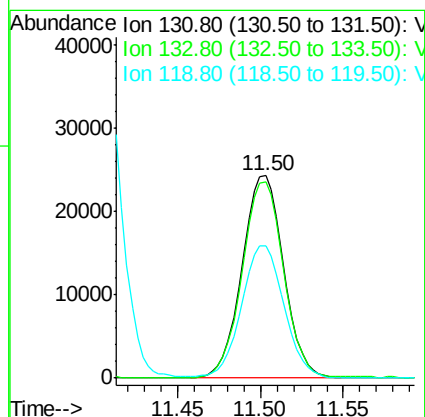
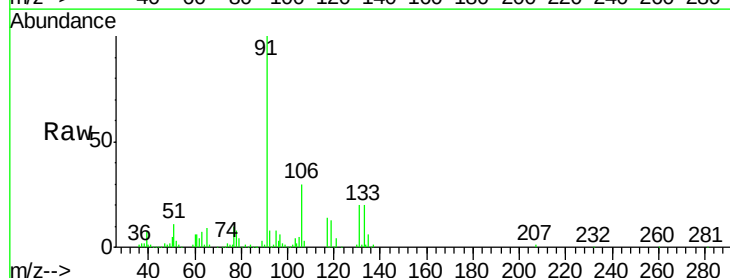
Tgt Ion:131 Resp: 42443

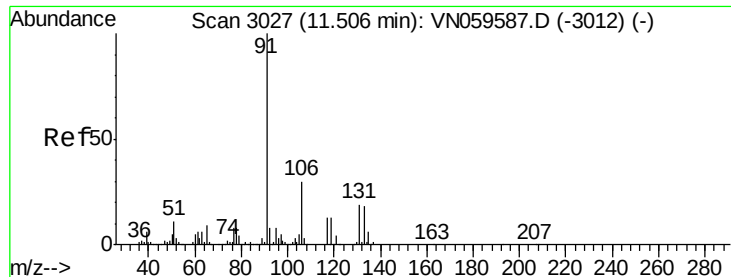
Ion Ratio Lower Upper

131 100

133 96.8 47.4 142.2

119 67.1 33.1 99.3





#67

Ethyl Benzene

Concen: 16.829 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS01

Tot Ion: 91 Resp: 201427

Ion Ratio Lower Upper

91 100

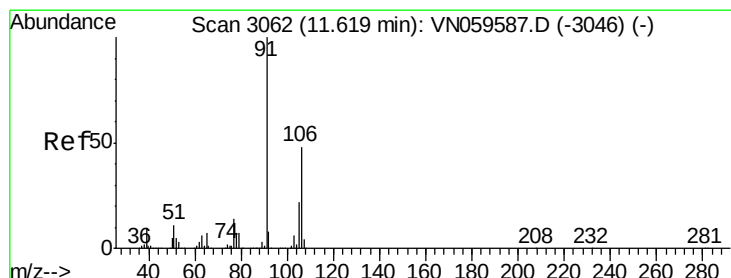
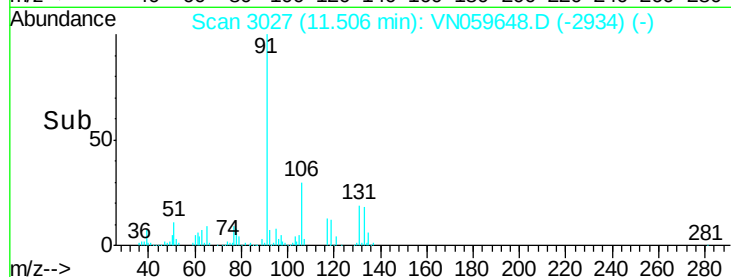
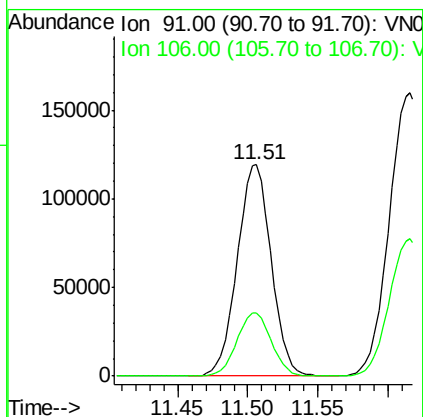
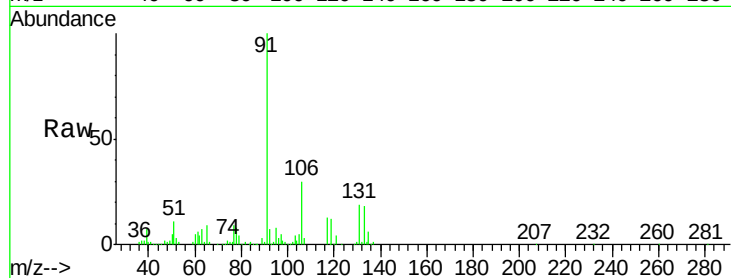
106 30.1 24.1 36.1

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#68

m/p-Xylenes

Concen: 33.849 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059648.D

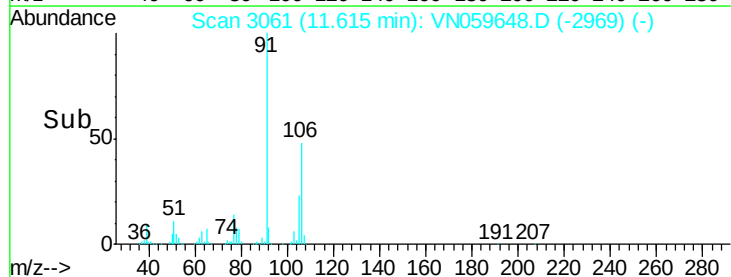
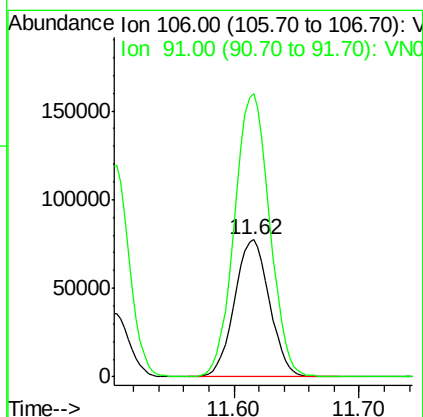
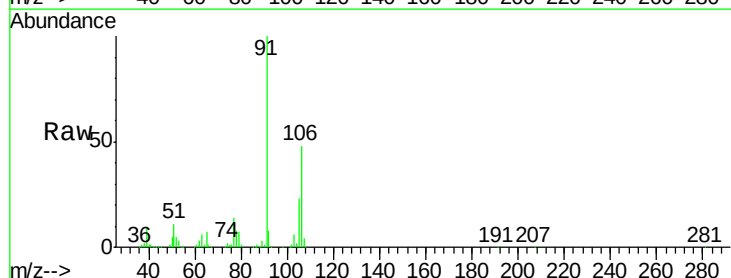
Acq: 18 Dec 2019 14:16

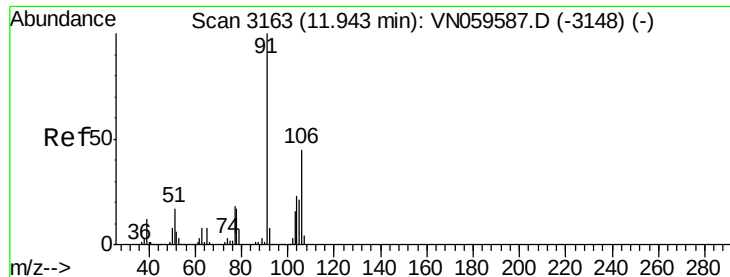
Tgt Ion: 106 Resp: 149603

Ion Ratio Lower Upper

106 100

91 208.3 167.9 251.9





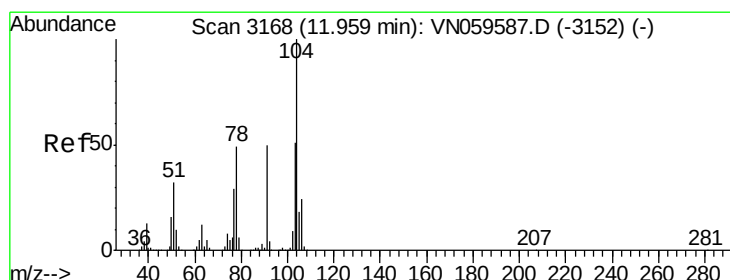
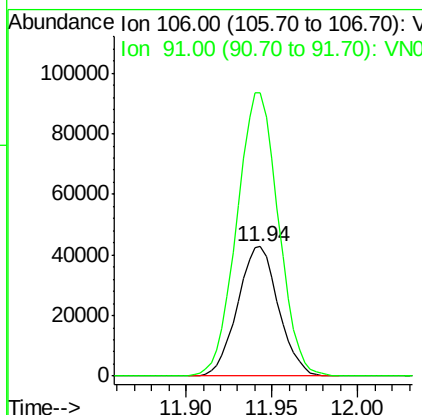
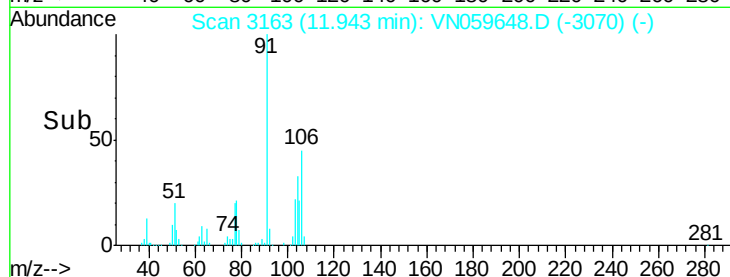
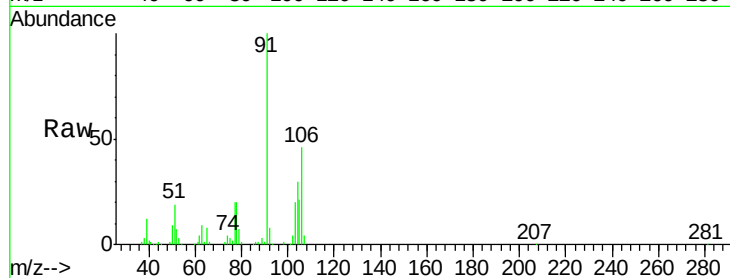
#69
o-Xylene
Concen: 16.820 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS01

Tot Ion:106 Resp: 70734
Ion Ratio Lower Upper
106 100
91 221.6 110.3 330.9

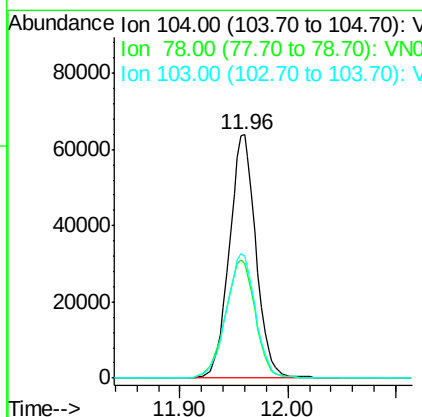
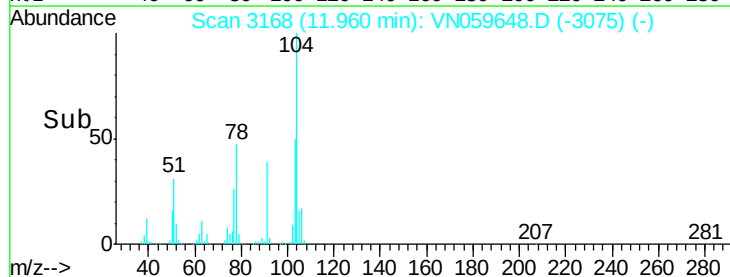
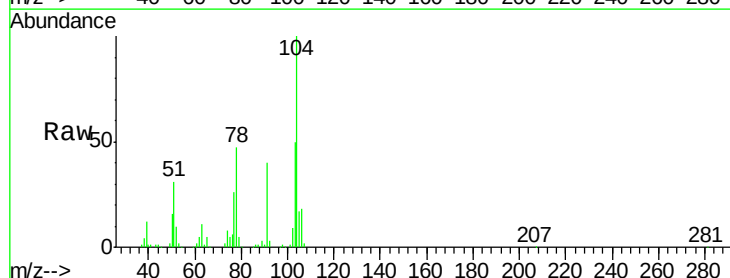
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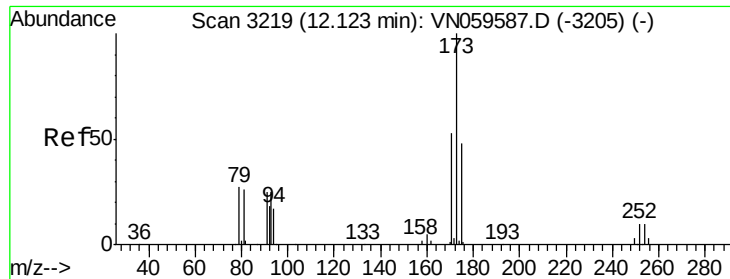
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#70
Styrene
Concen: 16.306 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Tgt Ion:104 Resp: 110174
Ion Ratio Lower Upper
104 100
78 54.3 42.4 63.6
103 55.9 43.9 65.9





#71

Bromoform

Concen: 16.918 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS01

Tot Ion:173 Resp: 32030

Ion Ratio Lower Upper

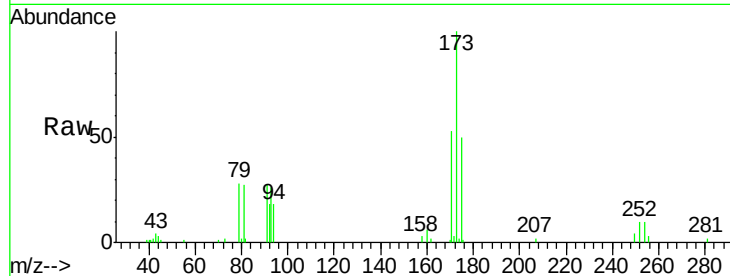
173 100

175 48.1 23.8 71.4

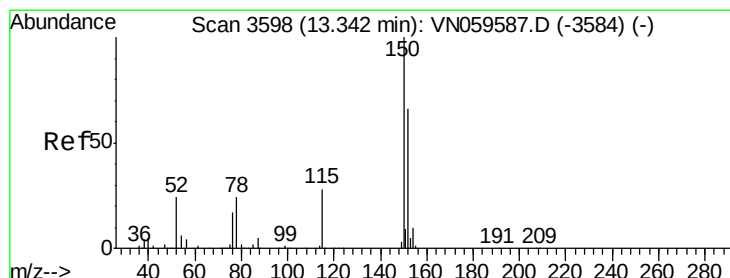
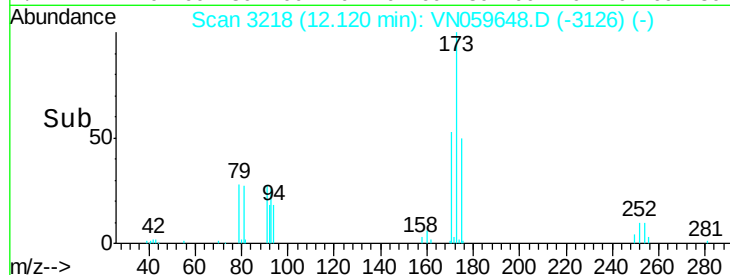
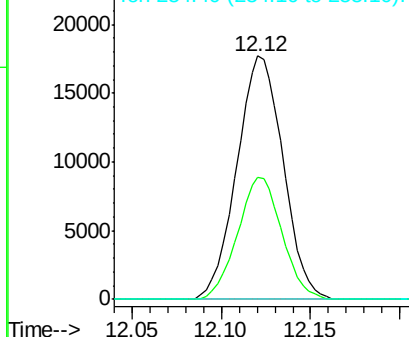
254 0.0 0.0 0.0

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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: VN059648.D

Acq: 18 Dec 2019 14:16

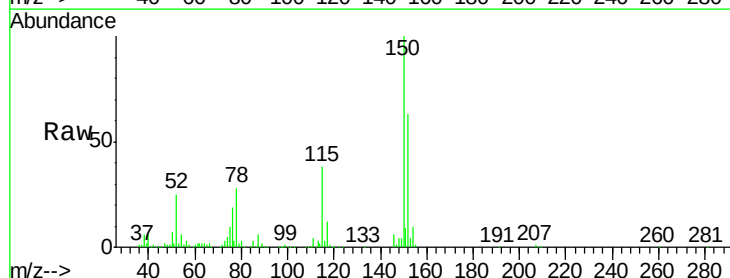
Tgt Ion:152 Resp: 141717

Ion Ratio Lower Upper

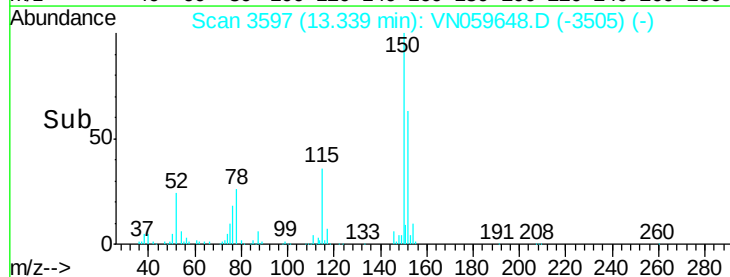
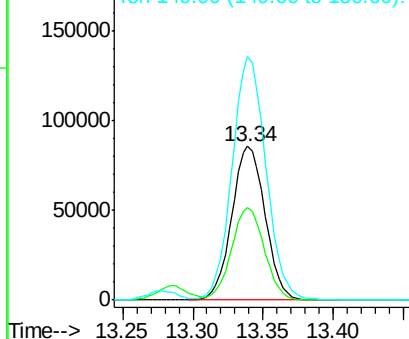
152 100

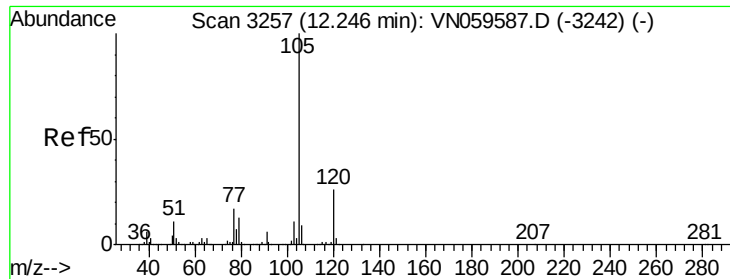
115 59.7 30.3 90.9

150 160.7 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: 17.131 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS01

Tot Ion: 105 Resp: 190584

Ion Ratio Lower Upper

105 100

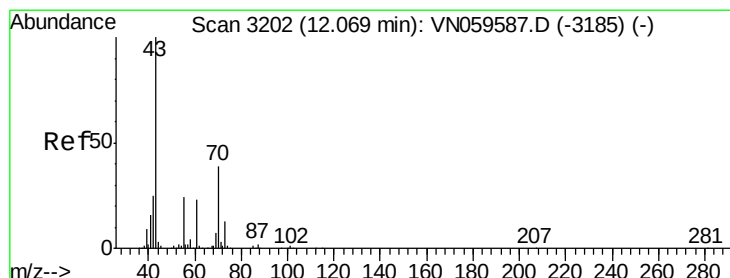
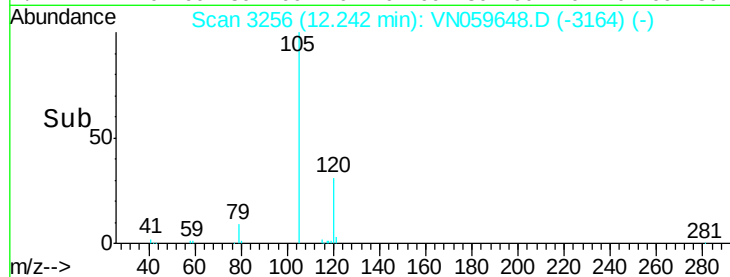
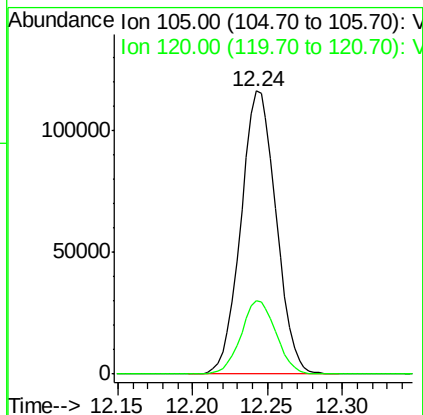
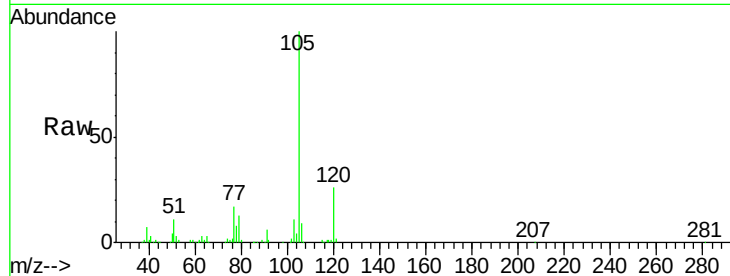
120 25.7 13.2 39.5

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#74

N-ethyl acetate

Concen: 16.382 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Tgt Ion: 43 Resp: 83597

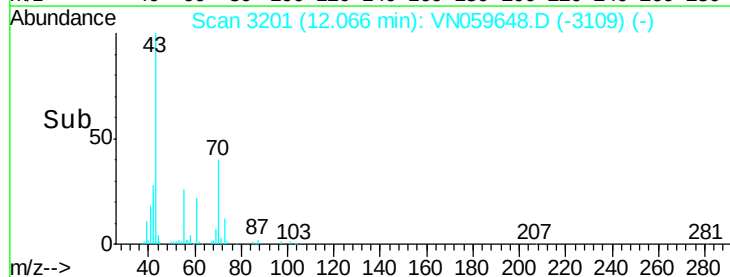
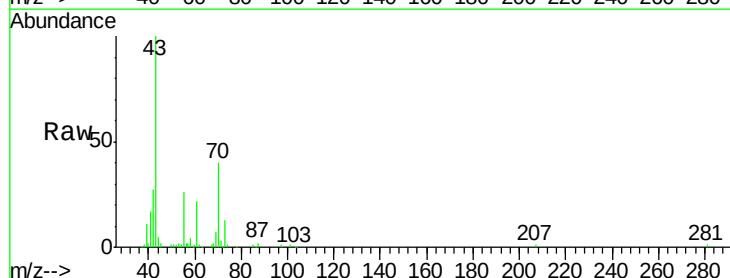
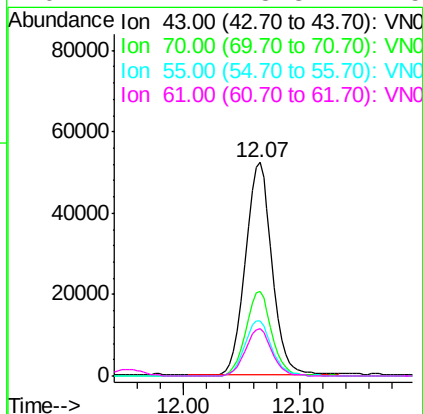
Ion Ratio Lower Upper

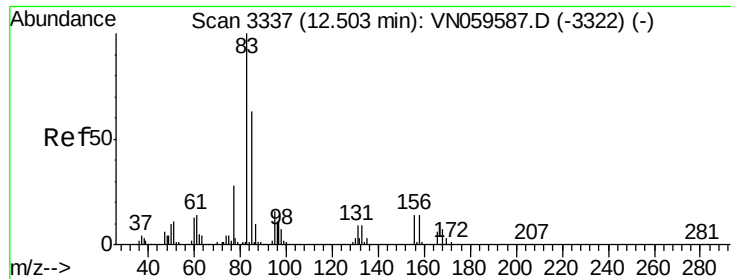
43 100

70 38.8 31.3 46.9

55 26.2 19.8 29.6

61 22.1 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 17.869 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Instrument :

MSVOA_N

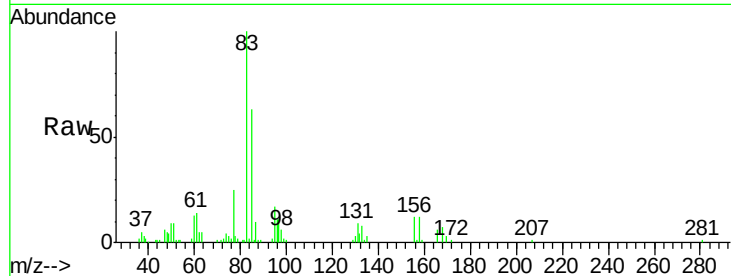
ClientSampleId :

VN1218MBS01

Tot Ion:	83	Resp:	63057
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.0	14.9
85	62.9	31.9	95.5

Manual Integrations
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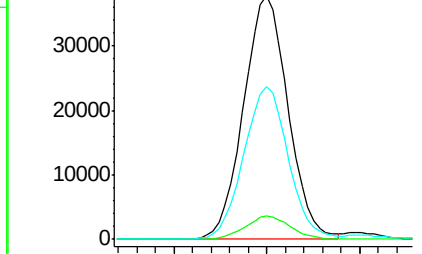
MMDadoda
12/19/2019 11:11:35 AM



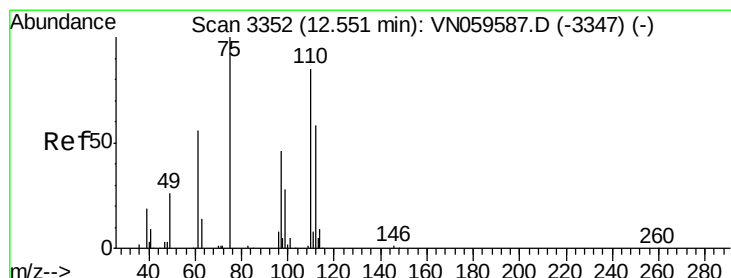
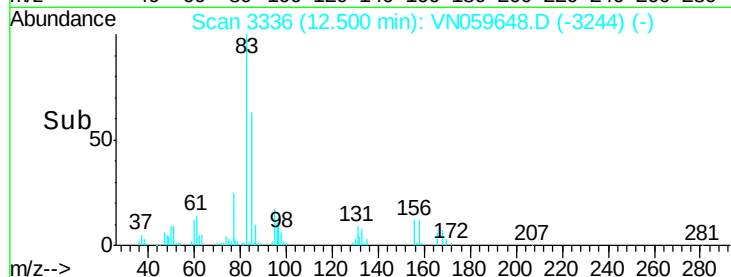
Abundance Ion 82.90 (82.60 to 83.60): VN059587.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN059587.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN059587.D (-3322) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 18.156 ug/l m

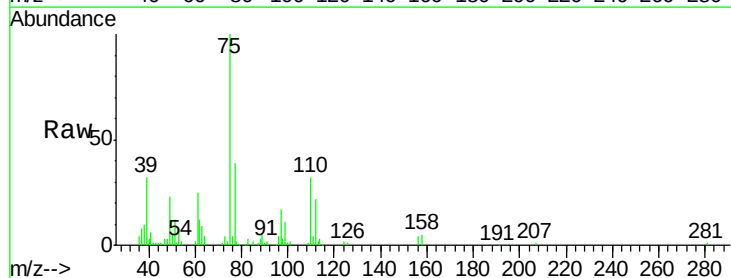
RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN059648.D

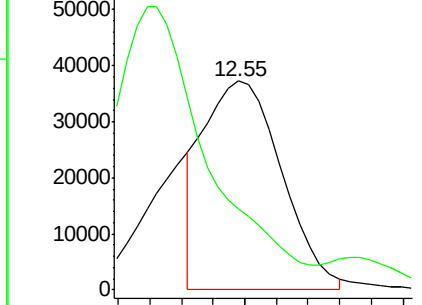
Acq: 18 Dec 2019 14:16

Tgt Ion:	75	Resp:	63698
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

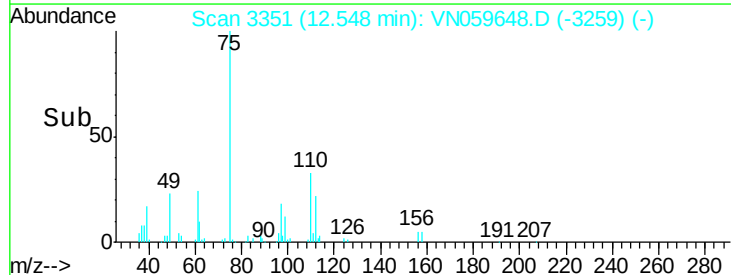


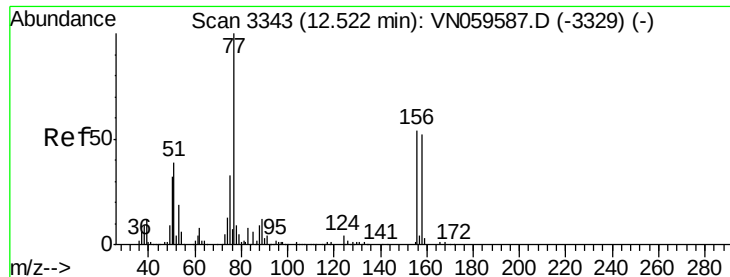
Abundance Ion 74.90 (74.60 to 75.60): VN059587.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN059587.D (-3347) (-)



Time-->





#77

Bromobenzene

Concen: 16.977 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Instrument :

MSVOA_N

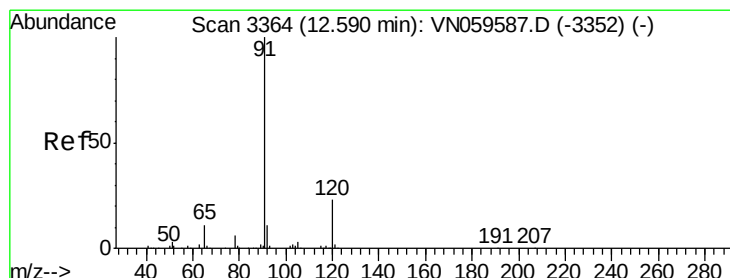
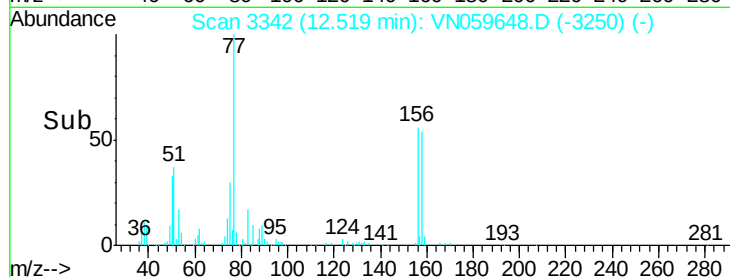
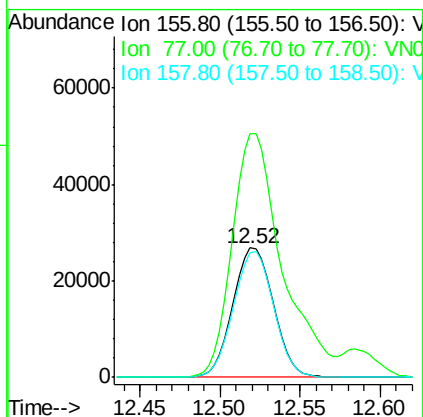
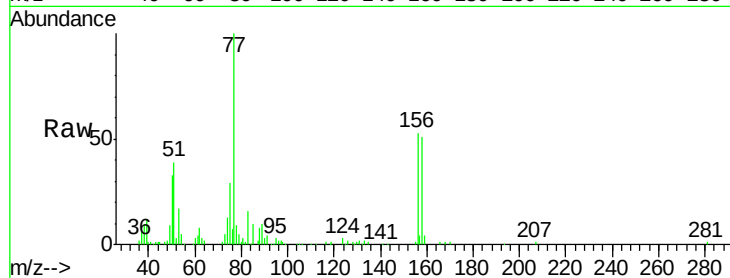
ClientSampleId :

VN1218MBS01

Tot Ion:	156	Resp:	46447
Ion	Ratio	Lower	Upper
156	100		
77	232.4	115.8	347.4
158	96.3	49.2	147.6

Manual Integrations
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#78

n-propylbenzene

Concen: 17.237 ug/l

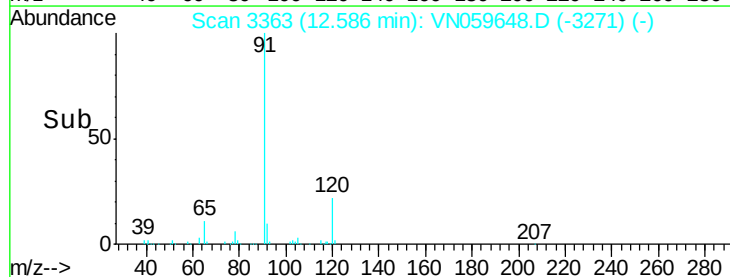
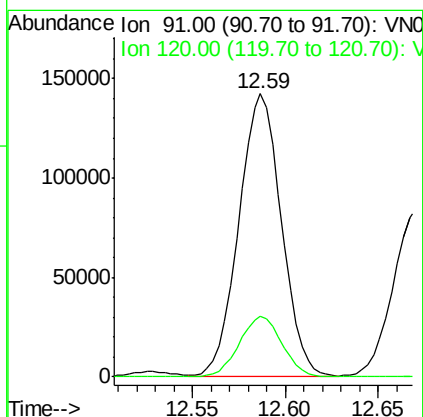
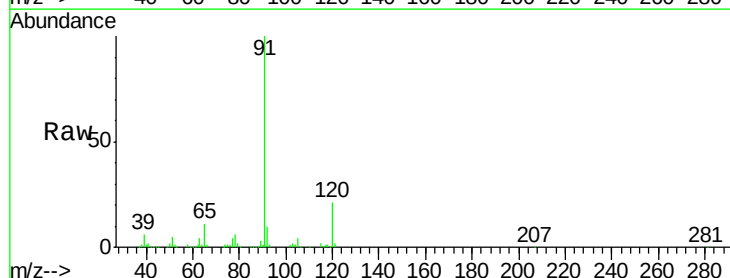
RT: 12.59 min Scan# 3363

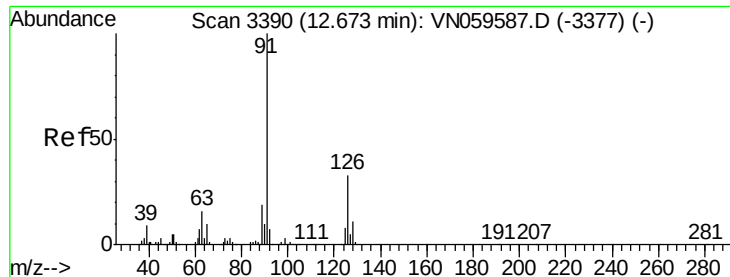
Delta R.T. -0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Tgt Ion:	91	Resp:	226674
Ion	Ratio	Lower	Upper
91	100		
120	21.4	11.1	33.3





#79

2-Chlorotoluene

Concen: 17.078 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS01

Tot Ion: 91 Resp: 135803

Ion Ratio Lower Upper

91 100

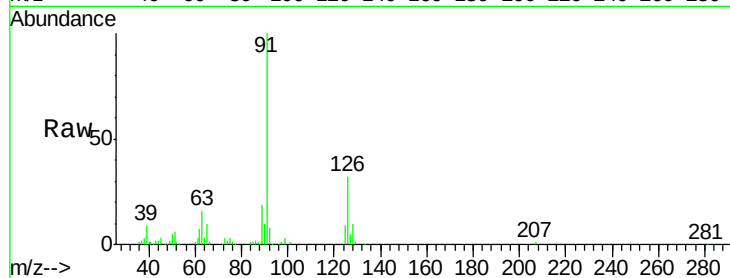
126 32.6 16.3 48.9

Manual Integrations

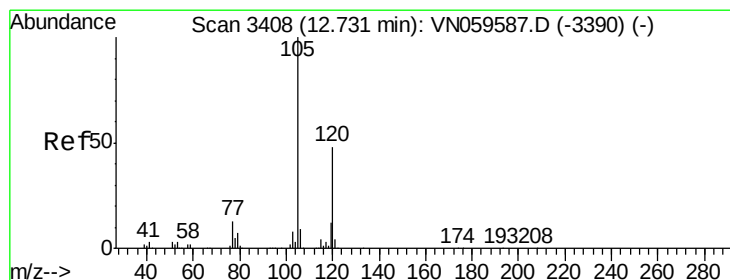
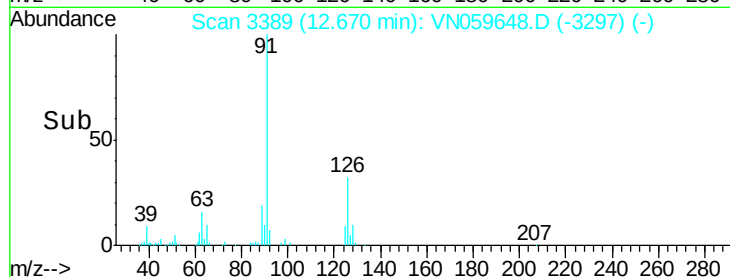
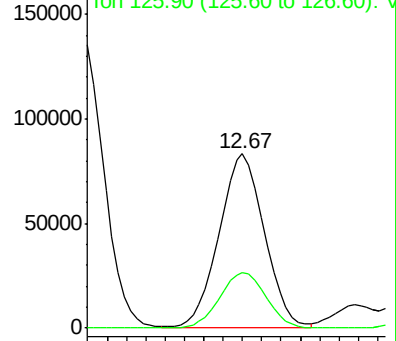
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Abundance Ion 91.00 (90.70 to 91.70): VN059648.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 17.114 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN059648.D

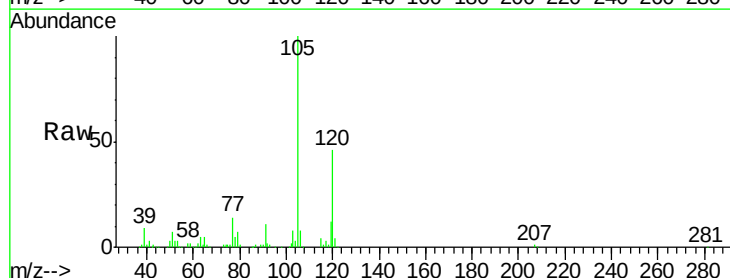
Acq: 18 Dec 2019 14:16

Tgt Ion: 105 Resp: 161116

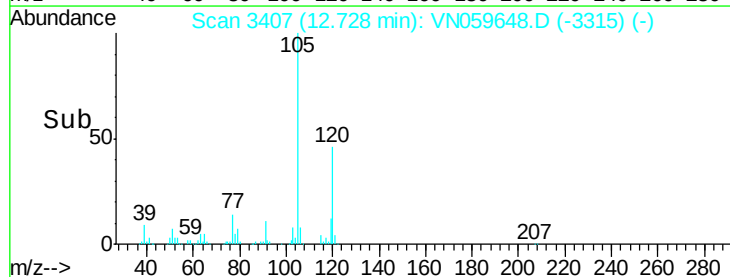
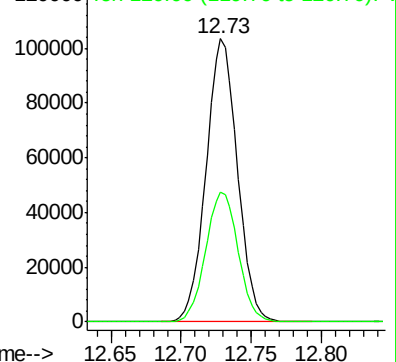
Ion Ratio Lower Upper

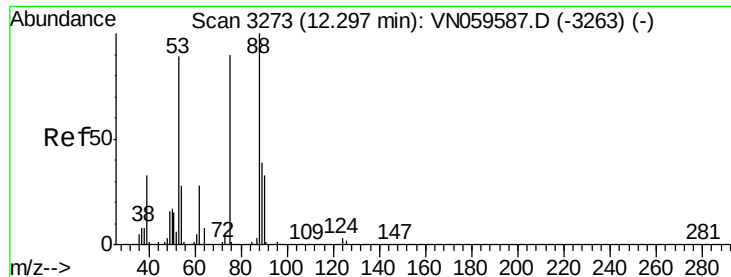
105 100

120 47.4 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059648.D (-3315) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 16.274 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Instrument :

MSVOA_N

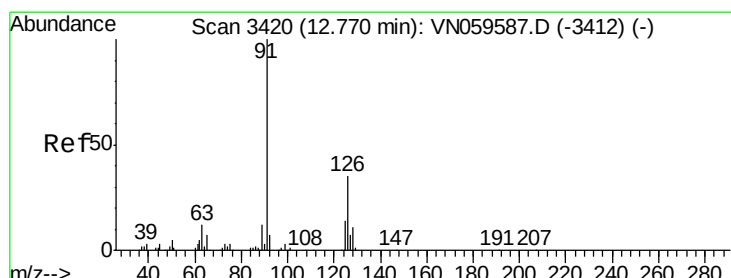
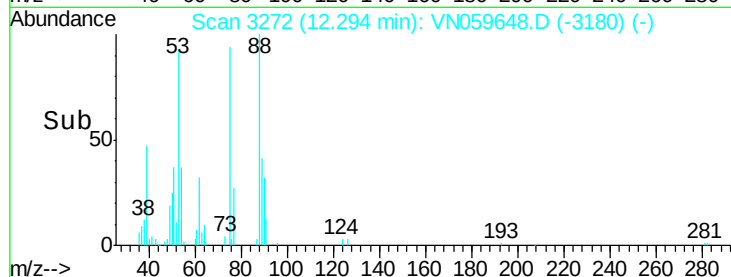
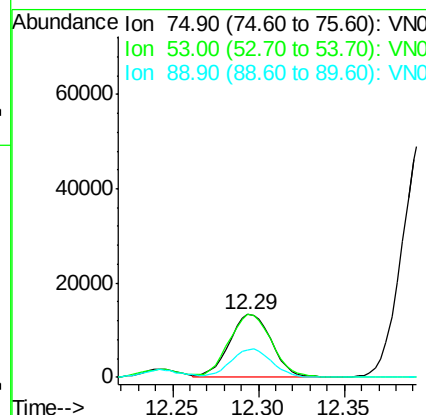
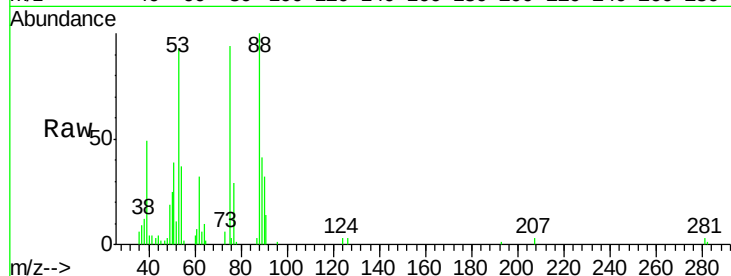
ClientSampleId :

VN1218MBS01

Tot Ion:	75	Resp:	23116
Ion	Ratio	Lower	Upper
75	100		
53	98.5	78.1	117.1
89	43.1	35.4	53.2

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#82

4-Chlorotoluene

Concen: 16.902 ug/l

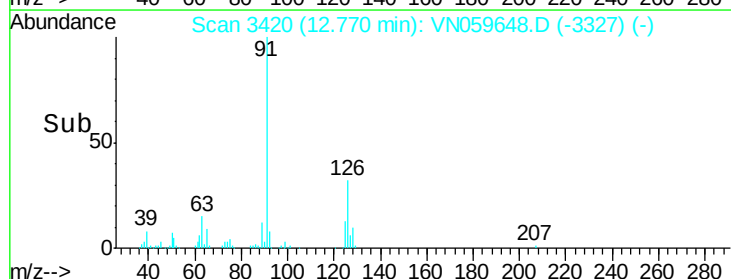
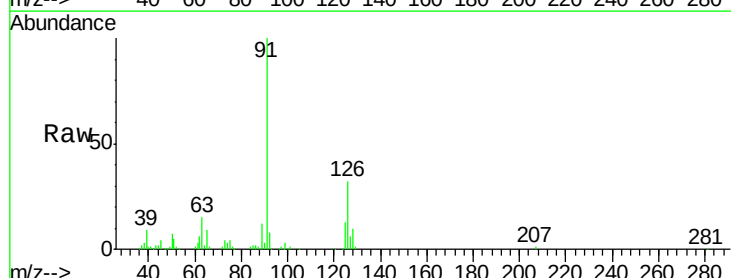
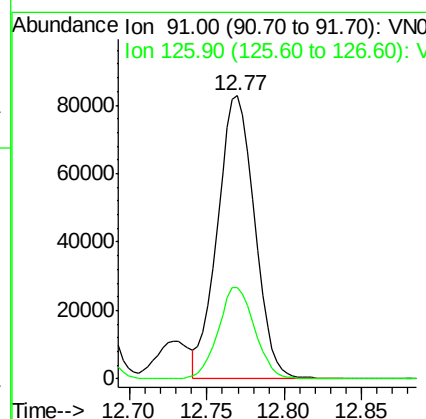
RT: 12.77 min Scan# 3420

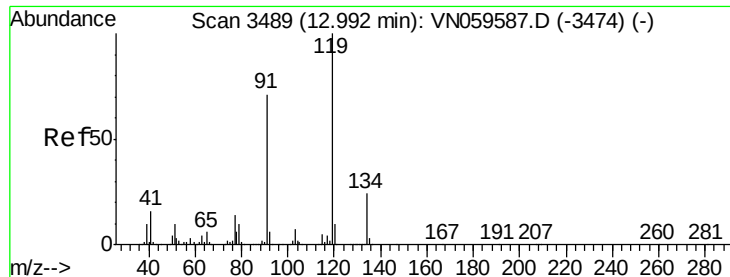
Delta R.T. 0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Tgt Ion:	91	Resp:	137611
Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.3	48.8





#83

tert-Butylbenzene

Concen: 16.350 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Instrument :

MSVOA_N

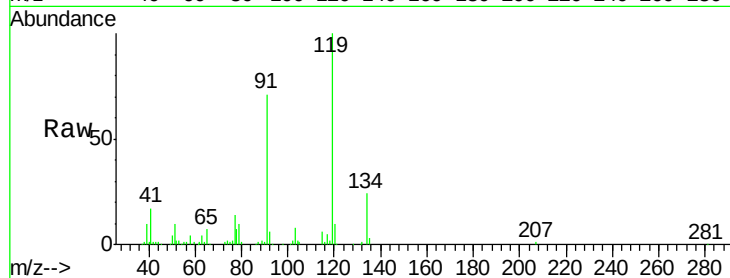
ClientSampleId :

VN1218MBS01

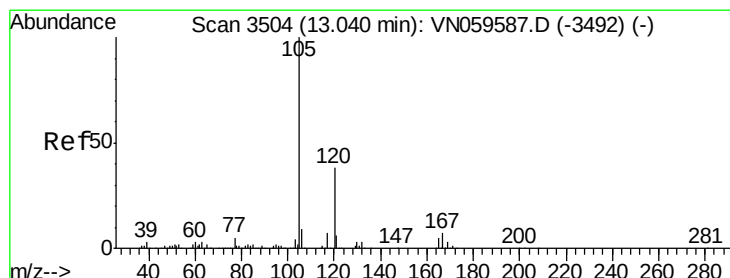
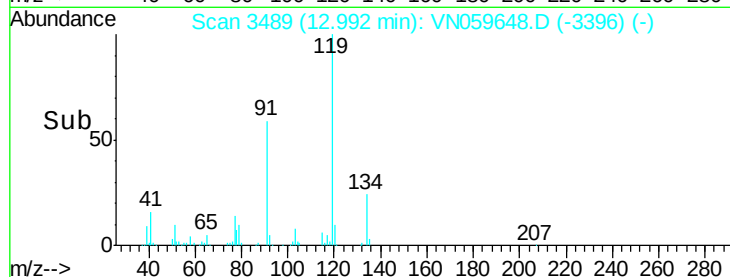
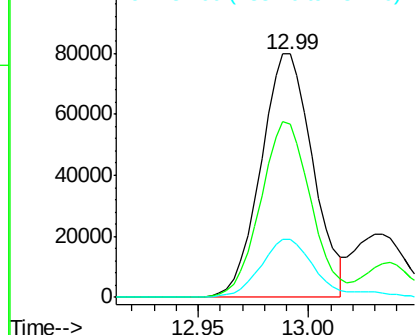
Tot Ion:	119	Resp:	130355
Ion Ratio	Lower	Upper	
119	100		
91	70.1	34.8	104.4
134	24.2	12.3	36.9

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



#84

1,2,4-Trimethylbenzene

Concen: 16.956 ug/l

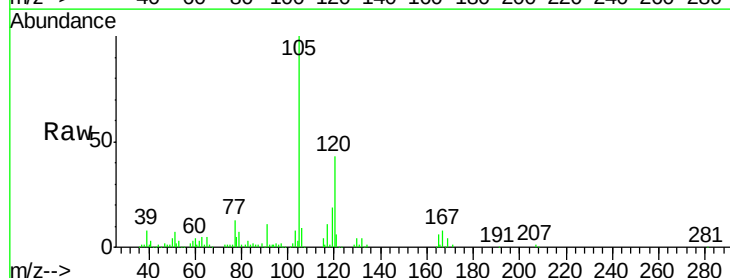
RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

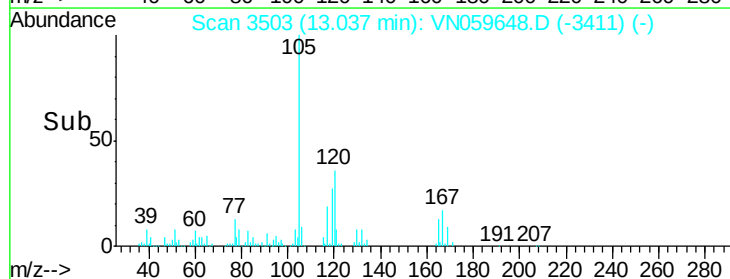
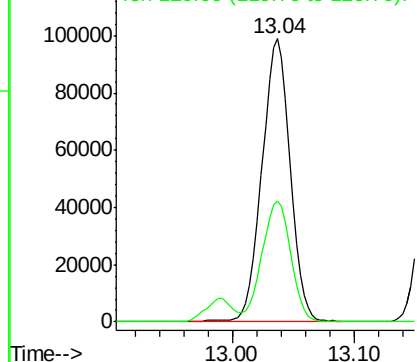
Lab File: VN059648.D

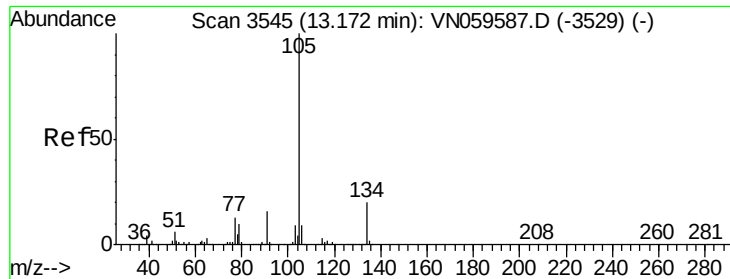
Acq: 18 Dec 2019 14:16

Tgt Ion:	105	Resp:	158728
Ion Ratio	Lower	Upper	
105	100		
120	43.5	22.3	66.9



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





#85

sec-Butylbenzene

Concen: 16.981 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS01

Tot Ion:105 Resp: 180094

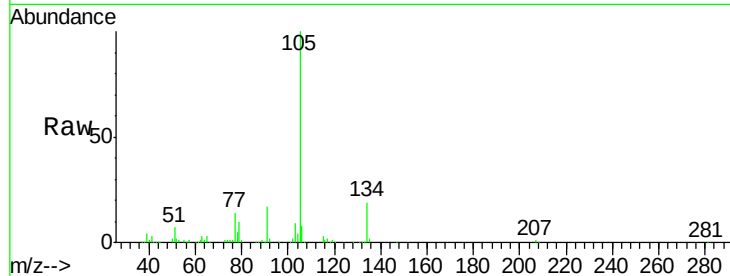
Ion Ratio Lower Upper

105 100

134 19.4 9.8 29.5

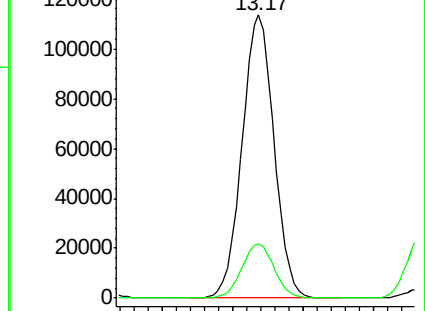
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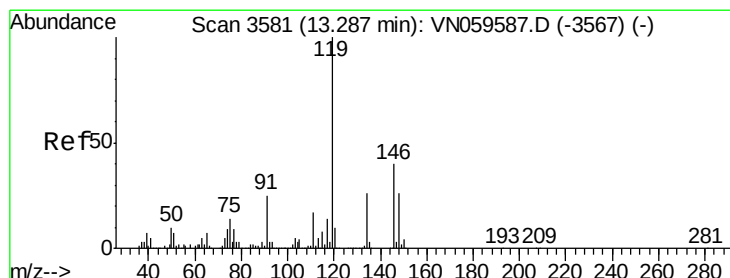
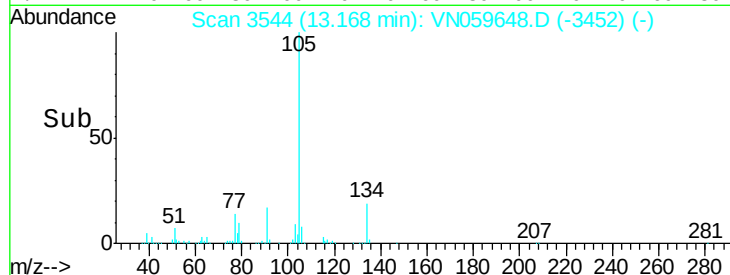


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 16.449 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

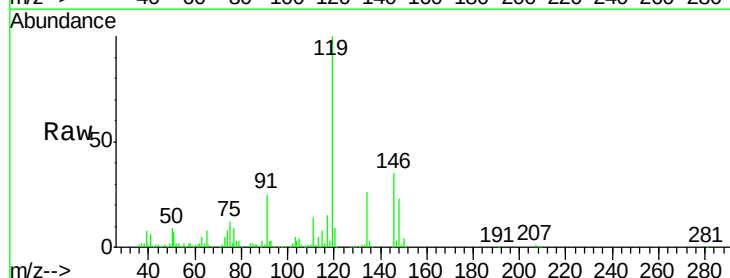
Tgt Ion:119 Resp: 157993

Ion Ratio Lower Upper

119 100

134 26.4 12.9 38.7

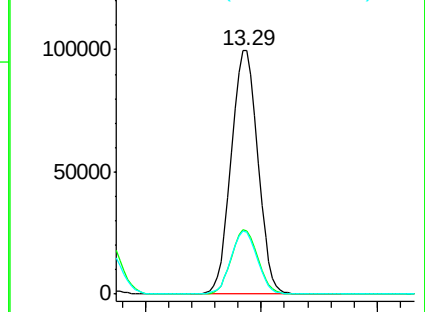
91 25.6 12.4 37.4



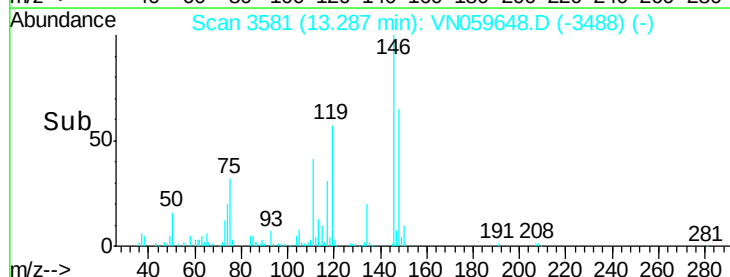
Abundance Ion 119.00 (118.70 to 119.70): V

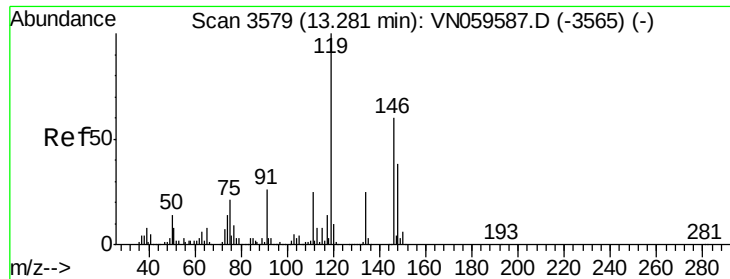
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





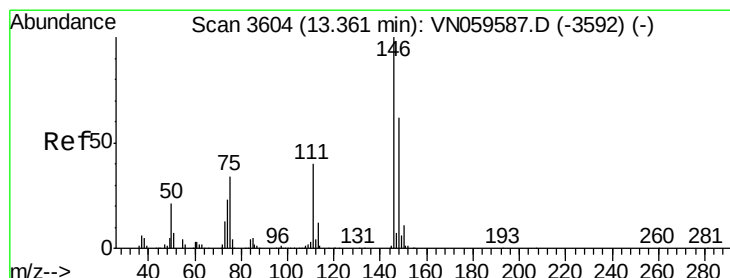
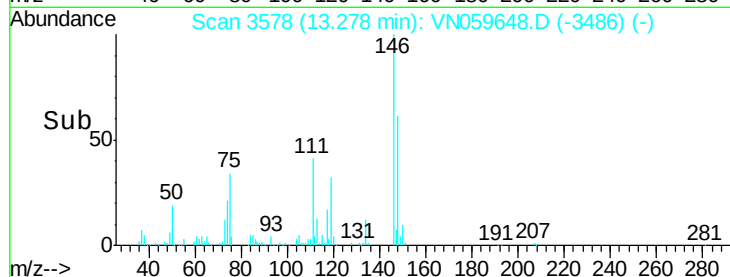
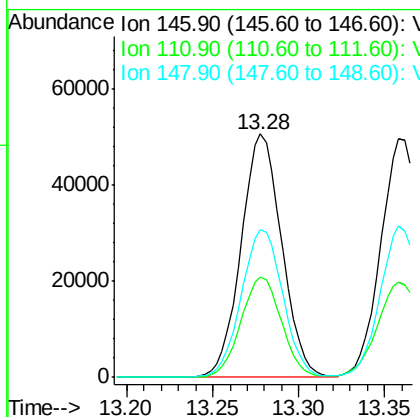
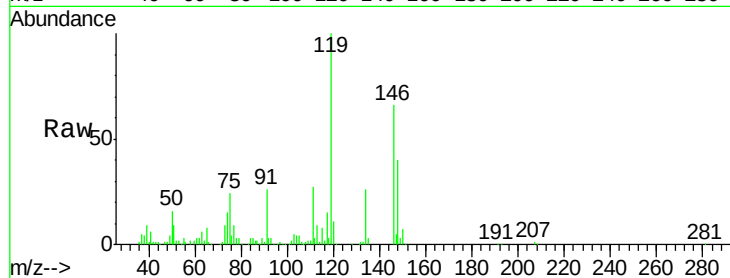
#87
 1,3-Dichlorobenzene
 Concen: 16.497 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN059648.D
 Acq: 18 Dec 2019 14:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.8	62.2
148	62.0	32.0	96.0

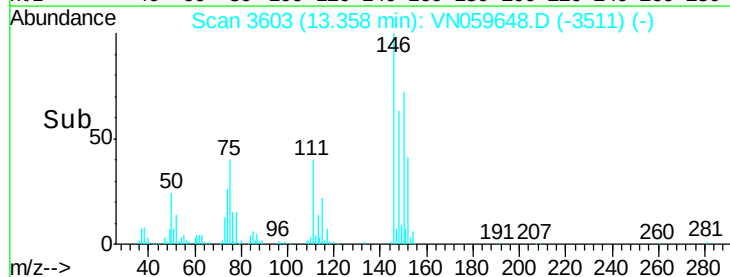
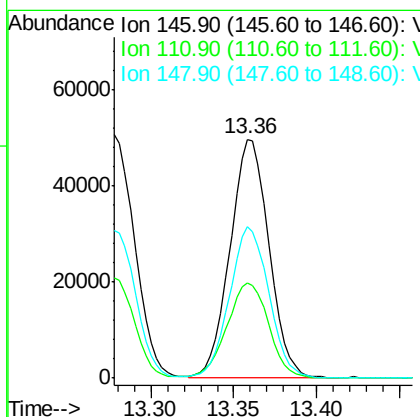
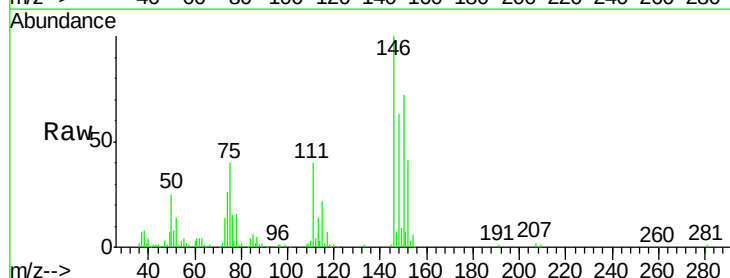
Manual Integrations
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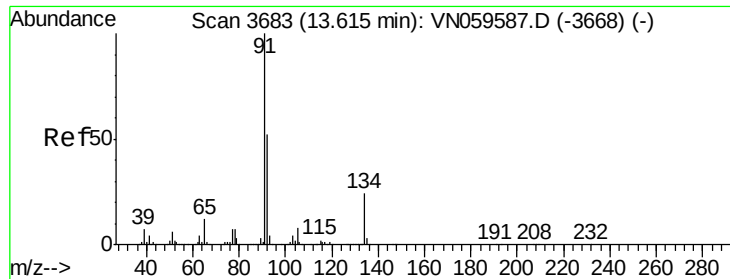
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 12/19/2019 11:11:35 AM



#88
 1,4-Dichlorobenzene
 Concen: 15.855 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN059648.D
 Acq: 18 Dec 2019 14:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.1	20.8	62.2
148	64.6	31.8	95.4





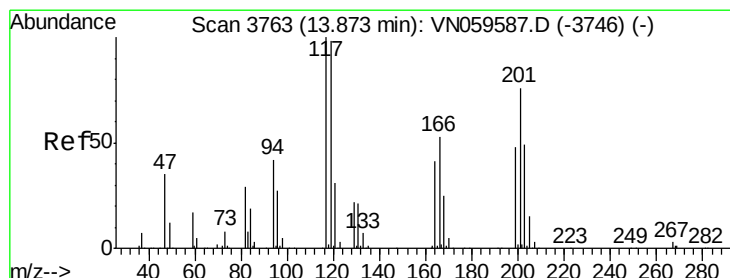
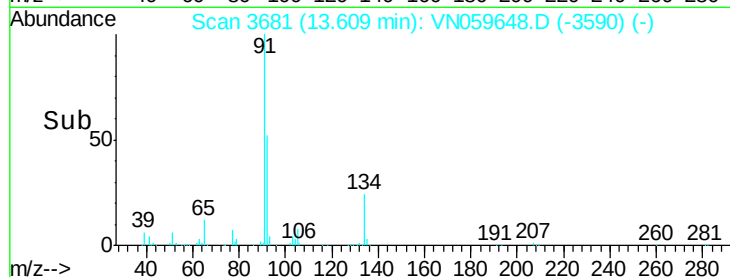
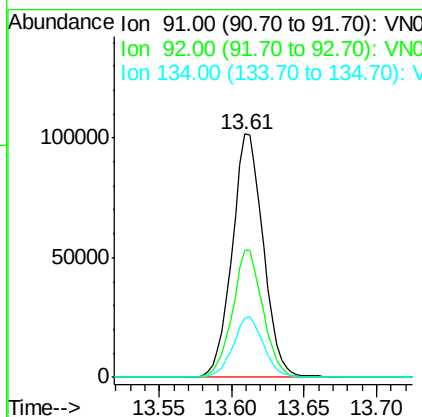
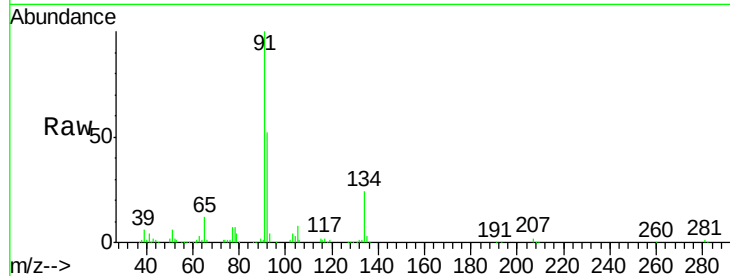
#89
n-Butylbenzene
Concen: 16.835 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.01 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	25.9	77.7
134	24.2	12.3	36.8

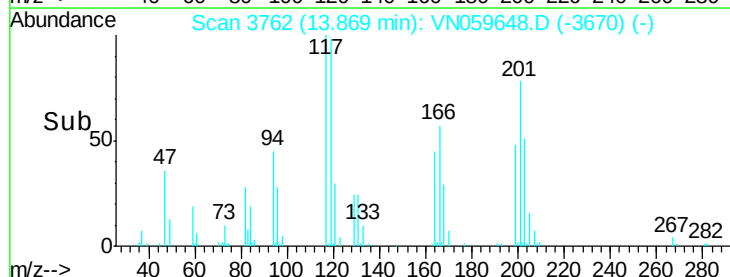
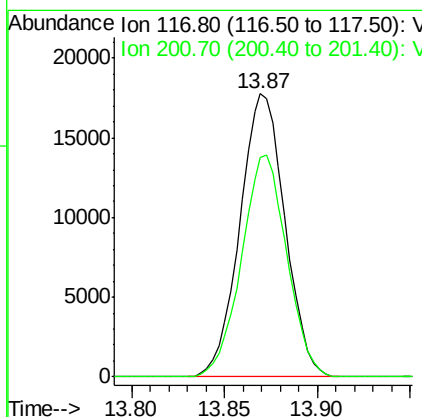
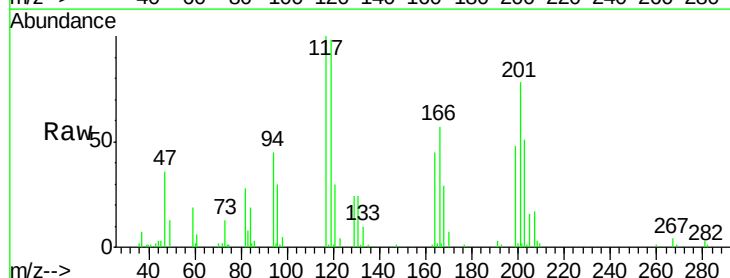
Manual Integrations
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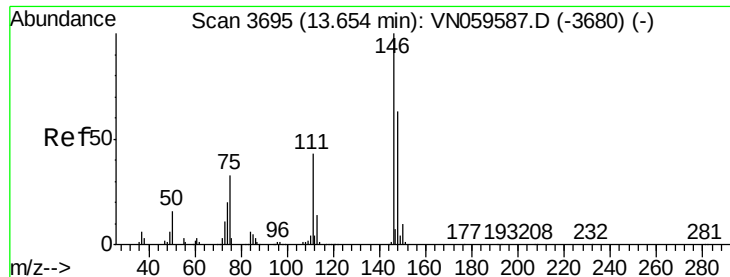
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#90
Hexachloroethane
Concen: 16.542 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.8	37.8	113.4





#91

1,2-Dichlorobenzene

Concen: 16.463 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Instrument :

MSVOA_N

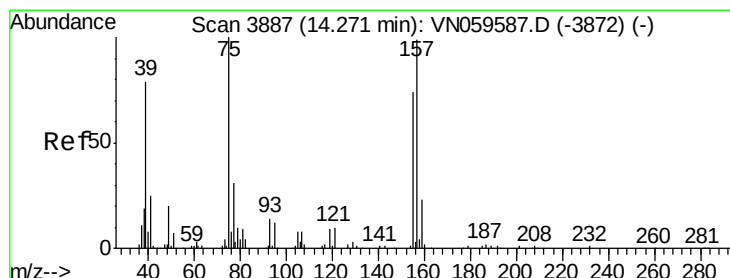
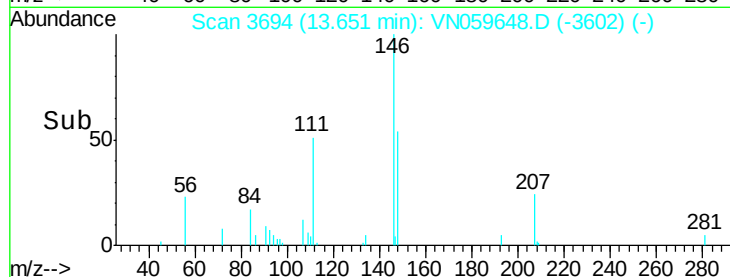
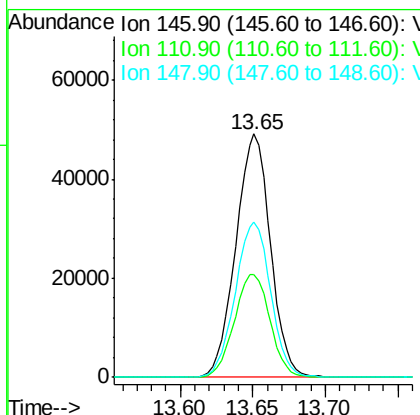
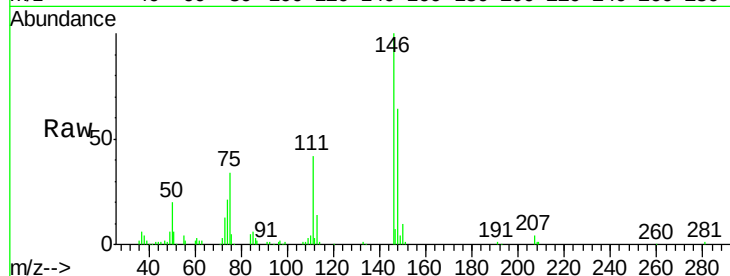
ClientSampleId :

VN1218MBS01

Tot Ion:	146	Resp:	81680
Ion Ratio	Lower	Upper	
146	100		
111	43.5	21.6	64.8
148	65.0	31.6	95.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 16.420 ug/l

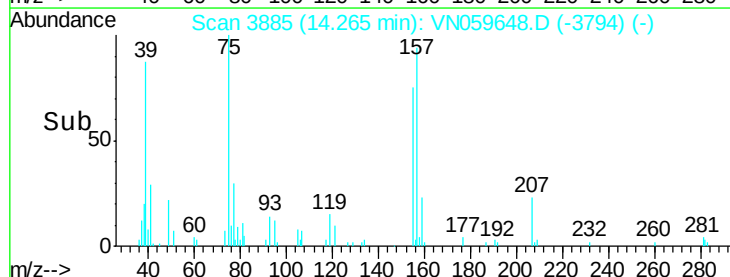
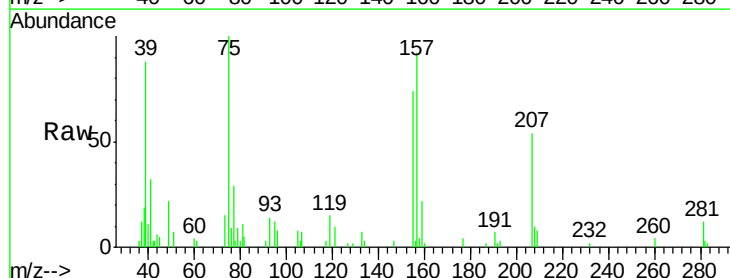
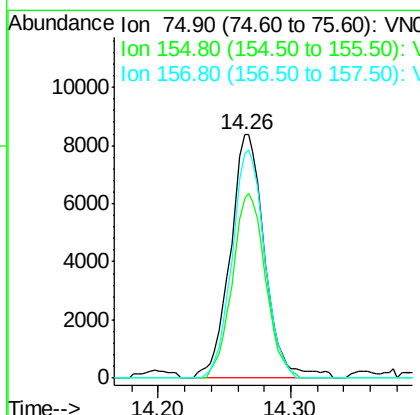
RT: 14.26 min Scan# 3885

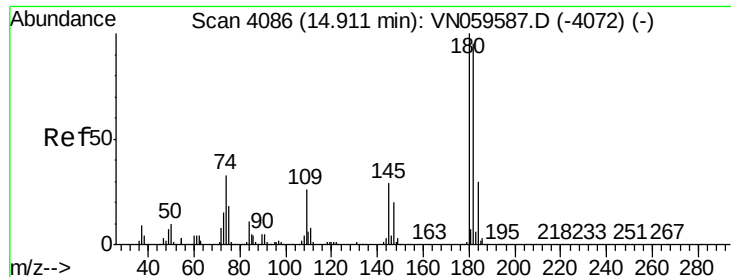
Delta R.T. -0.01 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Tgt Ion:	75	Resp:	15106
Ion Ratio	Lower	Upper	
75	100		
155	72.5	37.0	110.9
157	88.2	48.4	145.2





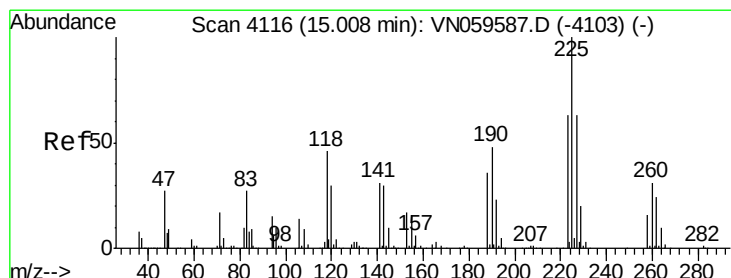
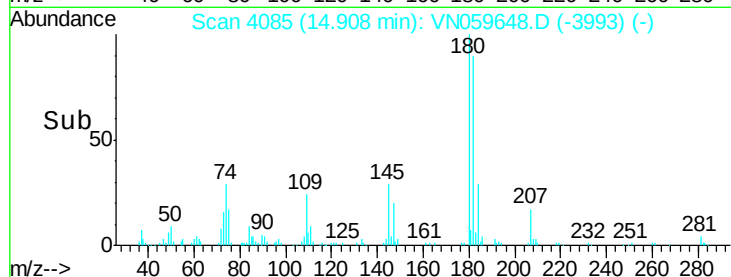
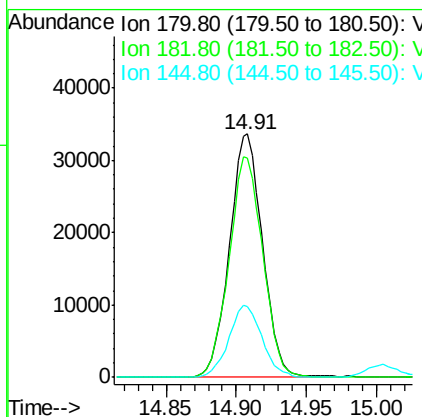
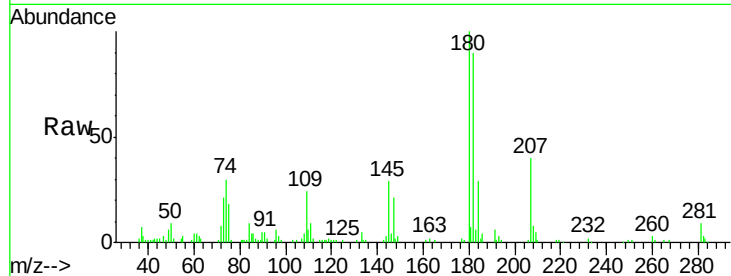
#93
 1,2,4-Trichlorobenzene
 Concen: 17.273 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN059648.D
 Acq: 18 Dec 2019 14:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	55338		
182	92.2	46.9	140.7	
145	29.6	15.0	45.1	

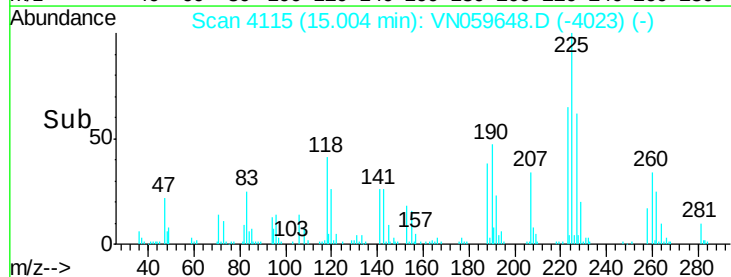
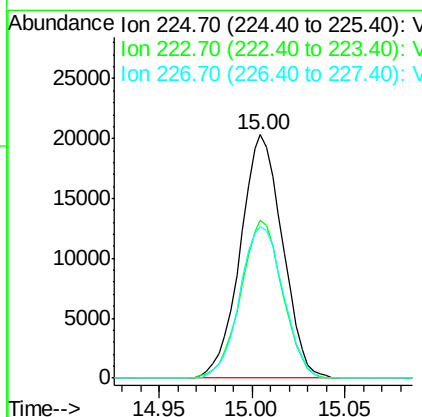
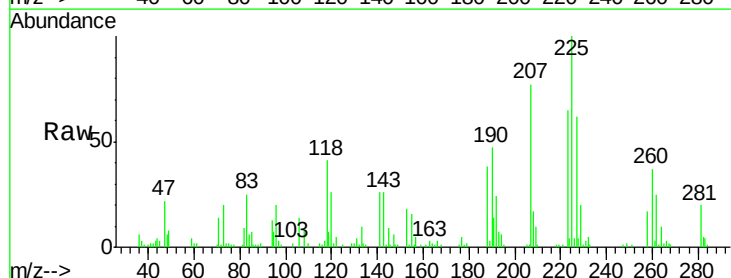
Manual Integrations
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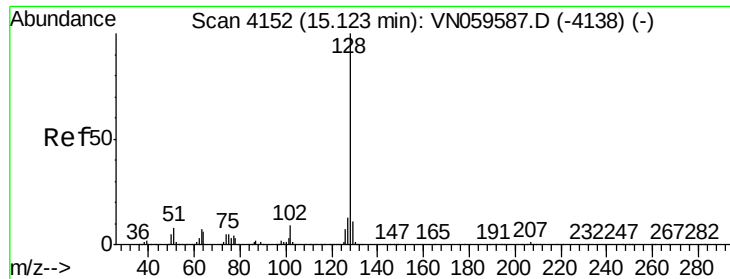
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#94
 Hexachlorobutadiene
 Concen: 19.474 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN059648.D
 Acq: 18 Dec 2019 14:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	32050		
223	64.1	31.8	95.3	
227	64.0	32.1	96.5	





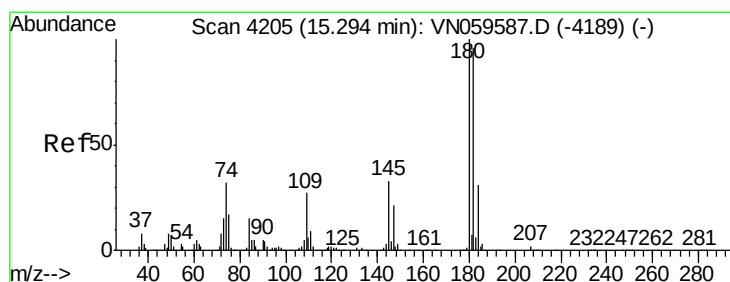
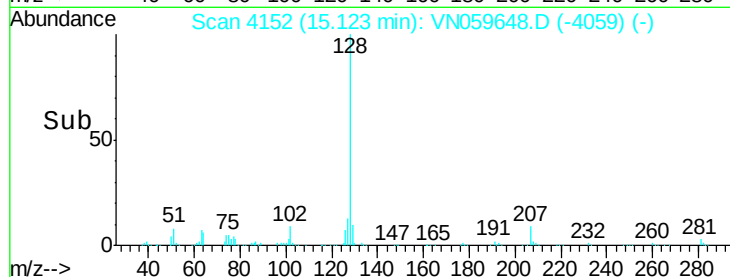
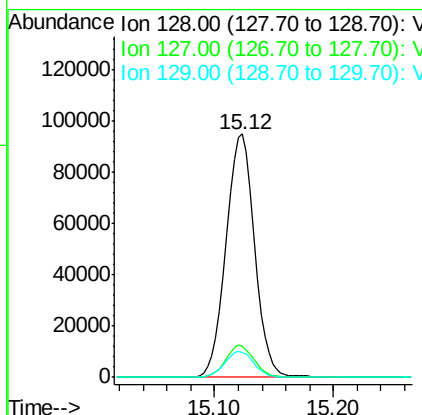
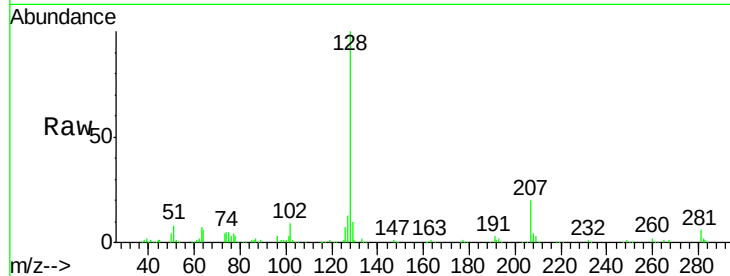
#95
Naphthalene
Concen: 16.514 ug/l
RT: 15.12 min Scan# 4152
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.7	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 17.584 ug/l
RT: 15.29 min Scan# 4204
Delta R.T. -0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.4	142.3
145	32.3	16.3	48.9

