

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061620\
 Data File : VN061833.D
 Acq On : 16 Jun 2020 18:14
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 6/17/2020 3:44:57 PM

Quant Time: Jun 17 01:07:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 00:50:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	145908	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	258608	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	238734	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	112871	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	40058	22.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	45.48%	
35) Dibromofluoromethane	7.55	113	32859	24.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	48.14%	
50) Toluene-d8	10.06	98	128261	21.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.06%	
62) 4-Bromofluorobenzene	12.38	95	41854	18.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	40385	25.661	ug/l	98
3) Chloromethane	2.03	50	44481	24.277	ug/l	97
4) Vinyl Chloride	2.16	62	53038	21.602	ug/l	100
5) Bromomethane	2.54	94	40455	27.449	ug/l	100
6) Chloroethane	2.67	64	33921	21.273	ug/l	96
7) Trichlorofluoromethane	2.98	101	61440	19.661	ug/l	97
8) Diethyl Ether	3.37	74	19977	20.432	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	31257	21.993	ug/l	99
10) Methyl Iodide	3.91	142	28386	14.956	ug/l	100
11) Tert butyl alcohol	4.73	59	25806	108.116	ug/l	98
12) 1,1-Dichloroethene	3.70	96	30992	20.524	ug/l	98
13) Acrolein	3.57	56	14913	140.674	ug/l	99
14) Allyl chloride	4.27	41	40158	20.347	ug/l	100
15) Acrylonitrile	4.93	53	70184	107.387	ug/l	100
16) Acetone	3.78	43	56313	90.322	ug/l	97
17) Carbon Disulfide	4.01	76	89998	25.672	ug/l	100
18) Methyl Acetate	4.28	43	32907	20.642	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	99314	19.438	ug/l	98
20) Methylene Chloride	4.50	84	36619	16.931	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	34655	20.291	ug/l	95
22) Diisopropyl ether	5.90	45	90568	20.878	ug/l	96
23) Vinyl Acetate	5.84	43	357703	103.612	ug/l	99
24) 1,1-Dichloroethane	5.80	63	59326	21.421	ug/l	99
25) 2-Butanone	6.79	43	85481	102.637	ug/l	96
26) 2,2-Dichloropropane	6.78	77	50926	20.288	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	40341	20.997	ug/l	100
28) Bromochloromethane	7.15	49	26482	21.886	ug/l	98
29) Tetrahydrofuran	7.17	42	56105	102.388	ug/l	99
30) Chloroform	7.33	83	64248	21.124	ug/l	99
31) Cyclohexane	7.61	56	51402	20.804	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	53999	19.666	ug/l	99
36) 1,1-Dichloropropene	7.75	75	47094	20.341	ug/l	98
37) Ethyl Acetate	6.88	43	36516	19.786	ug/l	100
38) Carbon Tetrachloride	7.73	117	46562	20.883	ug/l	94

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	51119	18.215	ug/l	97
40) Benzene	8.00	78	142183	19.955	ug/l	99
41) Methacrylonitrile	7.13	41	15710m	18.585	ug/l	
42) 1,2-Dichloroethane	8.09	62	48945	20.434	ug/l	99
43) Isopropyl Acetate	8.13	43	62098	18.757	ug/l #	90
44) Trichloroethene	8.80	130	38033	17.916	ug/l	93
45) 1,2-Dichloropropane	9.08	63	35060	20.589	ug/l	99
46) Dibromomethane	9.18	93	25093	19.453	ug/l	97
47) Bromodichloromethane	9.37	83	50390	19.714	ug/l	98
48) Methyl methacrylate	9.17	41	27419	18.341	ug/l	98
49) 1,4-Dioxane	9.17	88	12953	515.387	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	183165	97.786	ug/l	99
52) Toluene	10.13	92	89145	19.234	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	53414	19.416	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	58847	19.810	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	36192	19.642	ug/l	99
56) Ethyl methacrylate	10.40	69	46551	18.227	ug/l	98
57) 1,3-Dichloropropane	10.68	76	60216	20.302	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	85301	79.439	ug/l	100
59) 2-Hexanone	10.72	43	130142	96.735	ug/l	99
60) Dibromochloromethane	10.87	129	39410	19.020	ug/l	98
61) 1,2-Dibromoethane	10.98	107	37071	19.373	ug/l	100
64) Tetrachloroethene	10.60	164	32296	15.119	ug/l	93
65) Chlorobenzene	11.41	112	99256	19.935	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	35496	19.262	ug/l	98
67) Ethyl Benzene	11.48	91	167798	19.459	ug/l	99
68) m/p-Xylenes	11.60	106	131692	38.652	ug/l	100
69) o-Xylene	11.92	106	63388	19.564	ug/l	99
70) Styrene	11.94	104	104430	19.442	ug/l	100
71) Bromoform	12.10	173	25438	18.113	ug/l #	99
73) Isopropylbenzene	12.22	105	164197	19.798	ug/l	100
74) N-amyl acetate	12.05	43	50097	19.160	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	51087	21.646	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	45223m	21.772	ug/l	
77) Bromobenzene	12.50	156	39655	18.908	ug/l	99
78) n-propylbenzene	12.57	91	182597	19.679	ug/l	98
79) 2-Chlorotoluene	12.65	91	110454	19.971	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	134941	19.495	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	15625	19.367	ug/l	97
82) 4-Chlorotoluene	12.75	91	114401	19.691	ug/l	100
83) tert-Butylbenzene	12.97	119	112714	18.520	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	136577	19.862	ug/l	99
85) sec-Butylbenzene	13.15	105	148616	18.942	ug/l	99
86) p-Isopropyltoluene	13.26	119	132963	18.454	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	72703	19.438	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	71716	18.843	ug/l	97
89) n-Butylbenzene	13.59	91	105647	17.558	ug/l	99
90) Hexachloroethane	13.85	117	24109	27.546	ug/l	93
91) 1,2-Dichlorobenzene	13.63	146	70808	19.782	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	8800	18.751	ug/l	97

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ClientSampleId :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	31848	15.727	ug/l	99
94) Hexachlorobutadiene	14.99	225	11955	13.881	ug/l	93
95) Naphthalene	15.10	128	93573	15.370	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	32879	16.509	ug/l	98

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

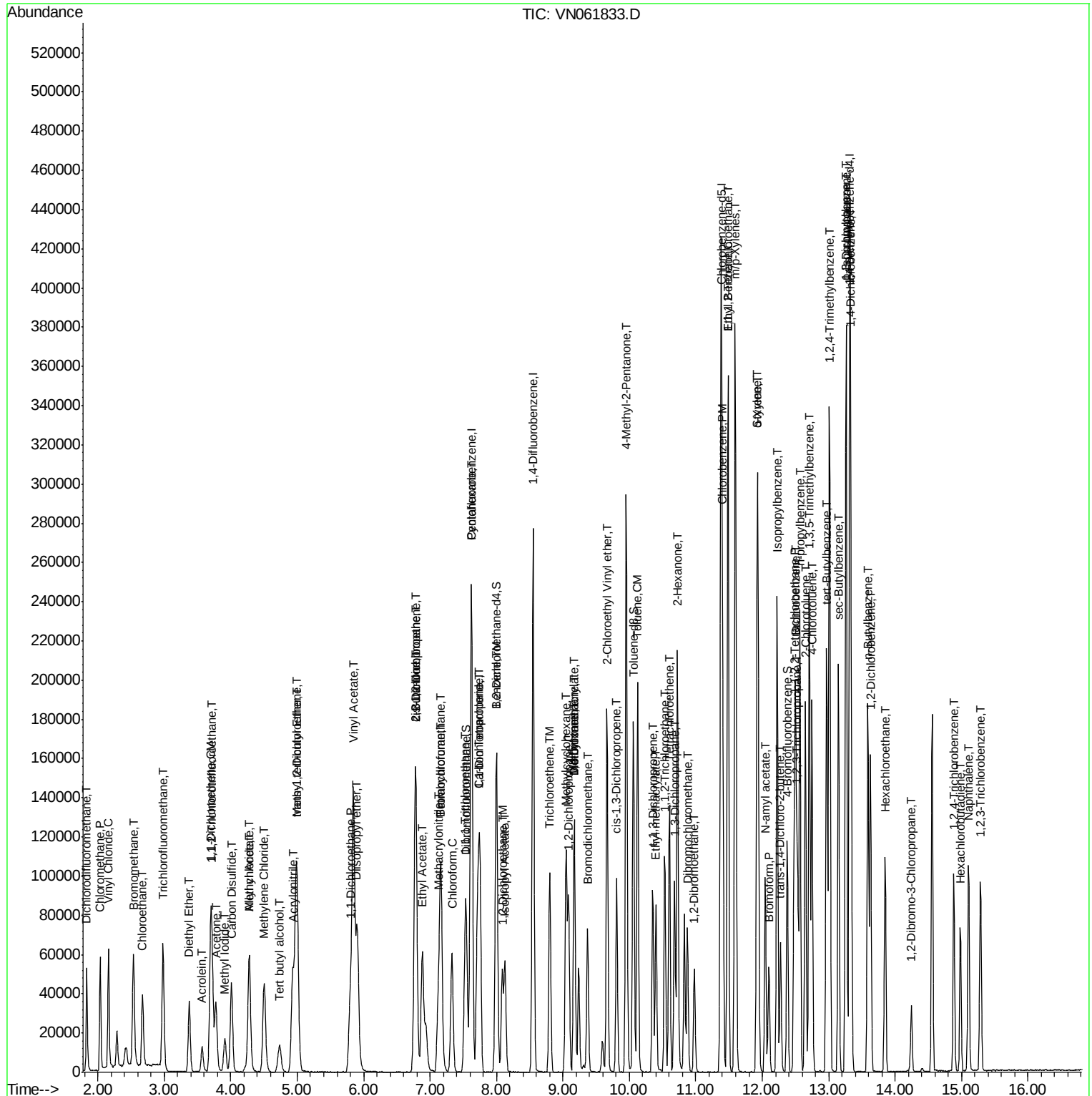
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061620\
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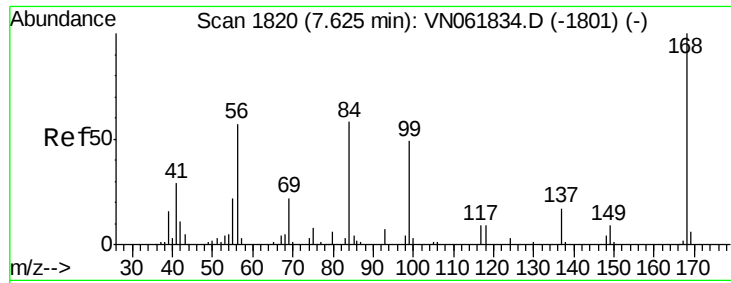
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 145908

Ion Ratio Lower Upper

168 100

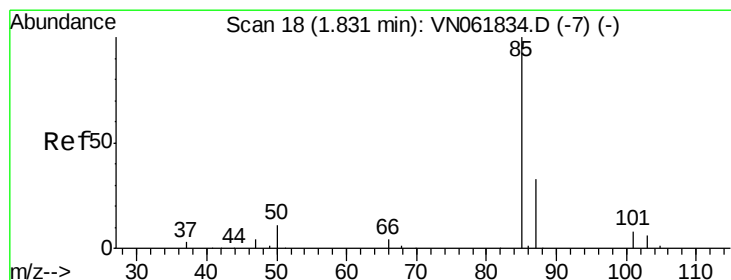
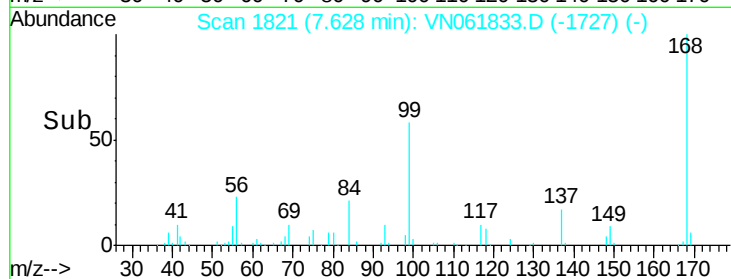
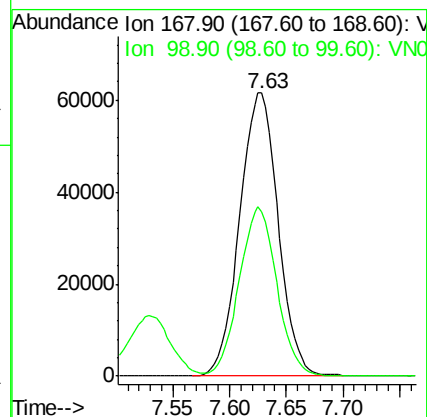
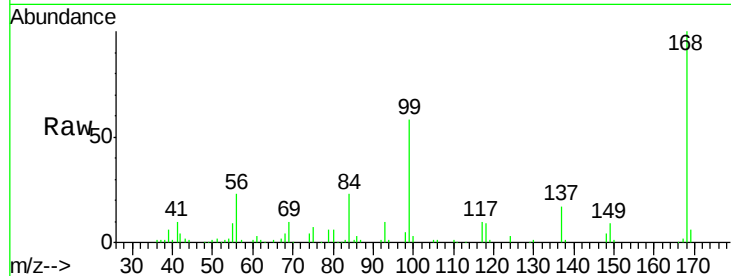
99 58.3 44.6 67.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 25.661 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN061833.D

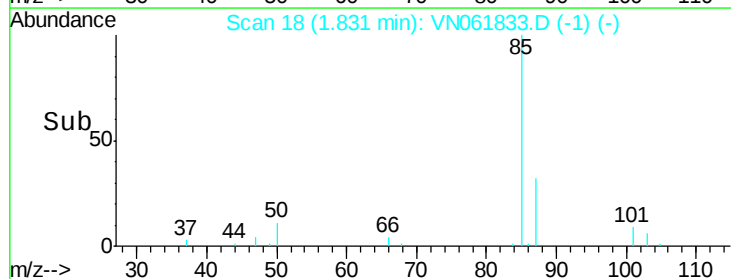
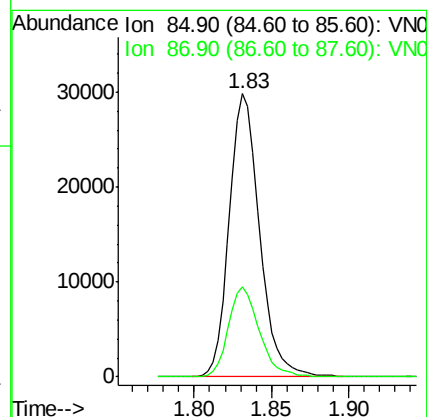
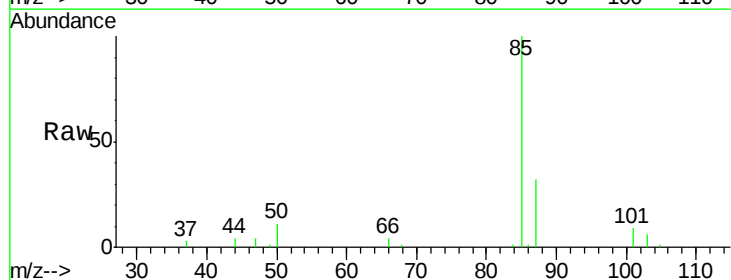
Acq: 16 Jun 2020 18:14

Tgt Ion: 85 Resp: 40385

Ion Ratio Lower Upper

85 100

87 31.8 16.6 49.8





#3

Chloromethane

Concen: 24.277 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 44481

Ion Ratio Lower Upper

50 100

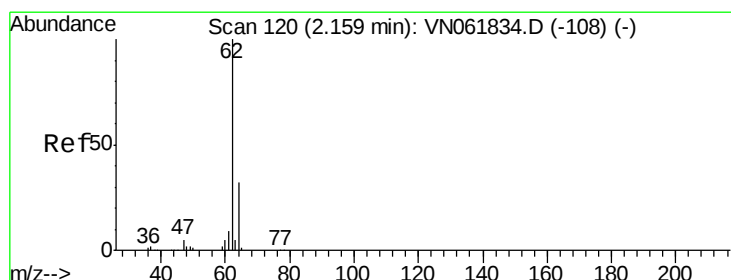
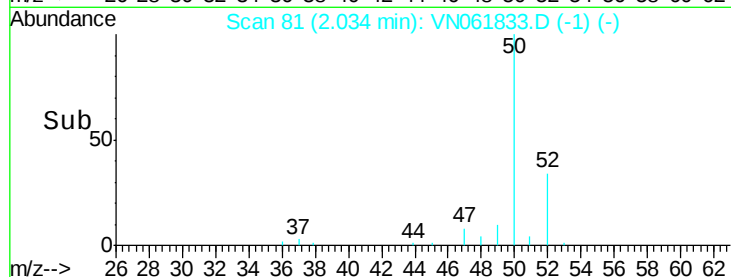
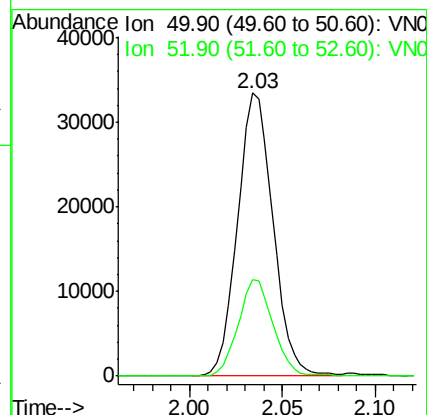
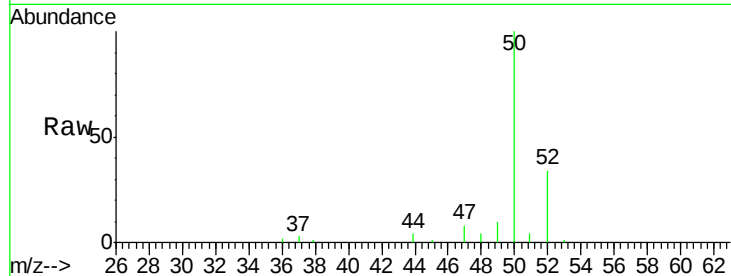
52 34.1 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.602 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061833.D

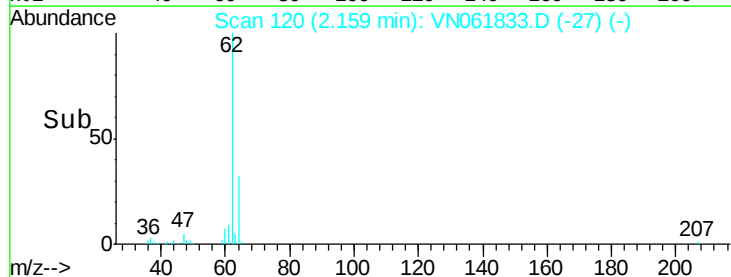
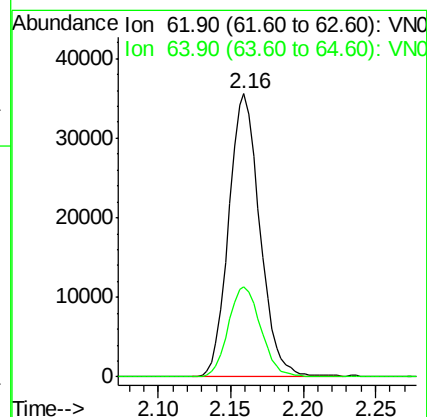
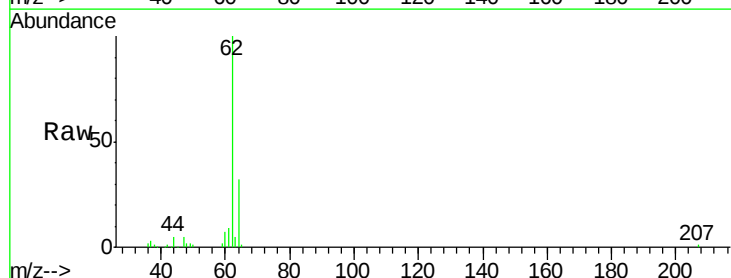
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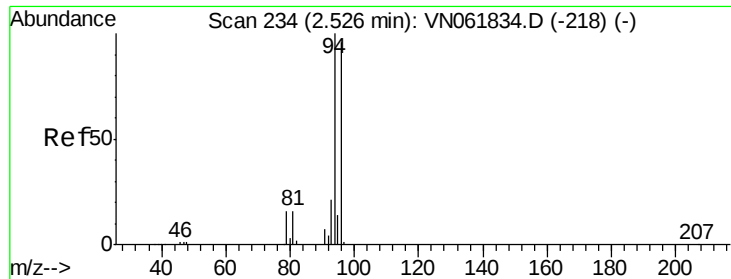
Tgt Ion: 62 Resp: 53038

Ion Ratio Lower Upper

62 100

64 32.0 25.5 38.3





#5

Bromomethane

Concen: 27.449 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.01 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

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ClientSampleId :

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Tot Ion: 94 Resp: 40455

Ion Ratio Lower Upper

94 100

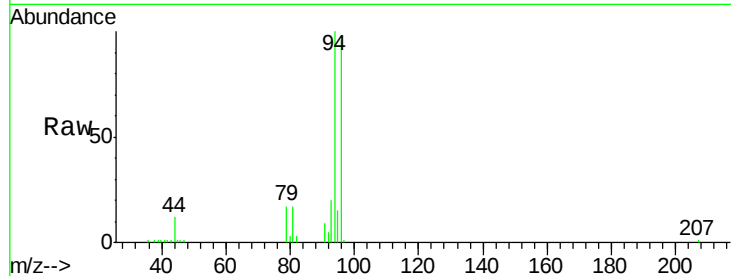
96 95.9 76.7 115.1

Manual Integrations

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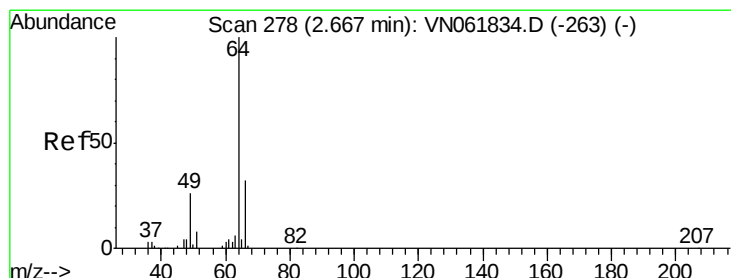
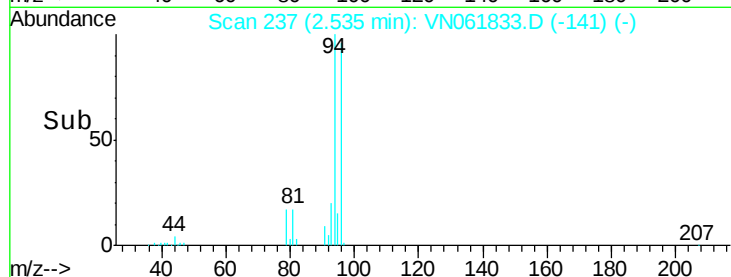
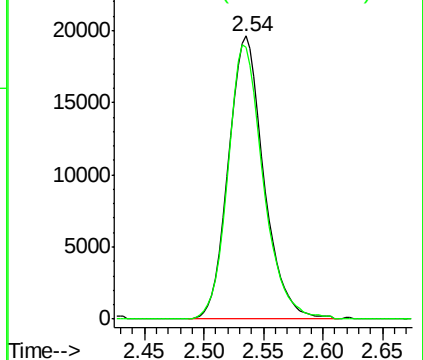
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 21.273 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.00 min

Lab File: VN061833.D

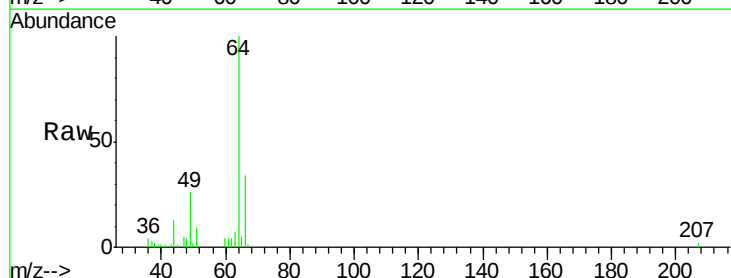
Acq: 16 Jun 2020 18:14

Tgt Ion: 64 Resp: 33921

Ion Ratio Lower Upper

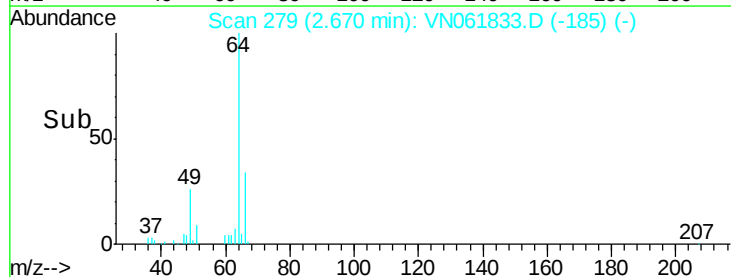
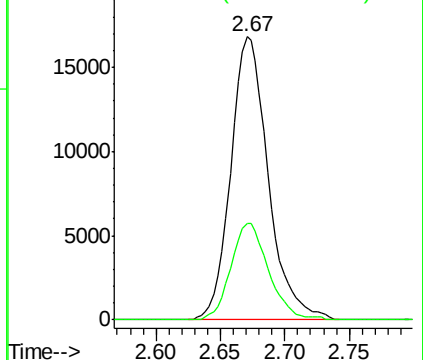
64 100

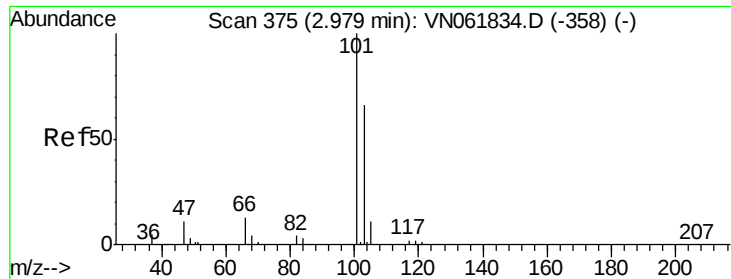
66 34.3 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

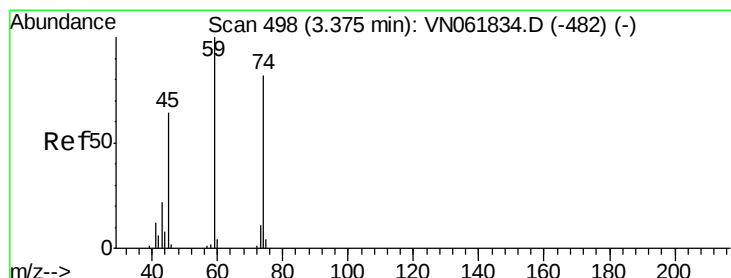
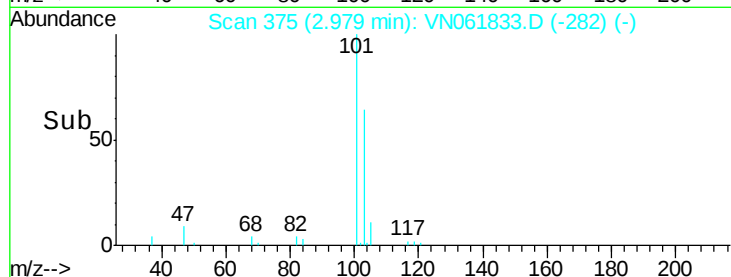
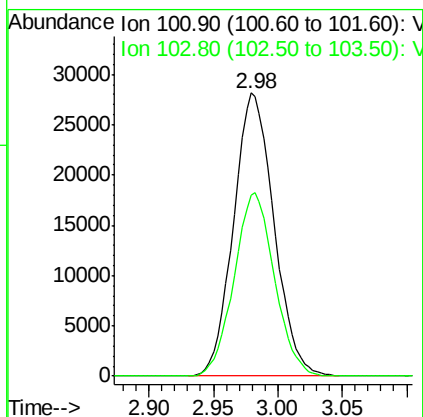
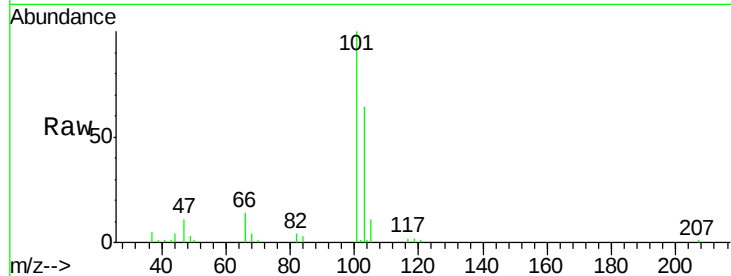
Trichlorofluoromethane
 Concen: 19.661 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. -0.00 min
 Lab File: VN061833.D
 Acq: 16 Jun 2020 18:14

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.8	79.2

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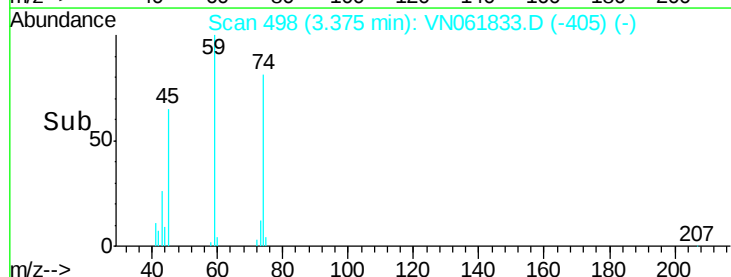
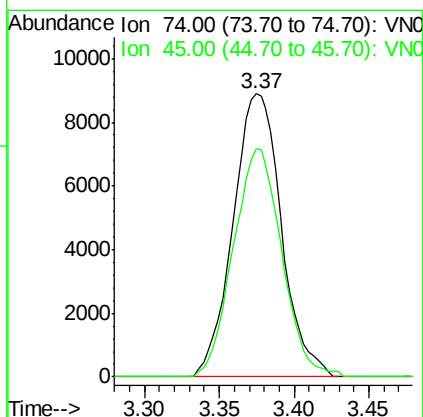
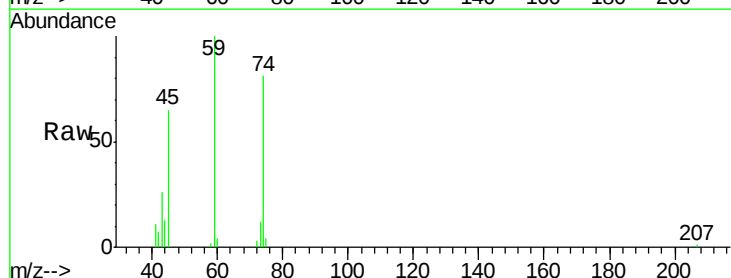
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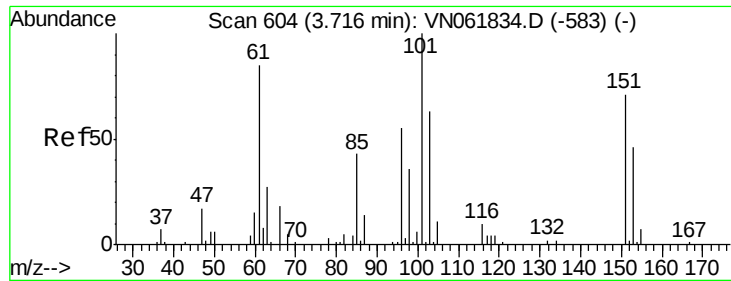


#8

Diethyl Ether
 Concen: 20.432 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. -0.00 min
 Lab File: VN061833.D
 Acq: 16 Jun 2020 18:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	80.9	39.1	117.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.993 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Instrument :

MSVOA_N

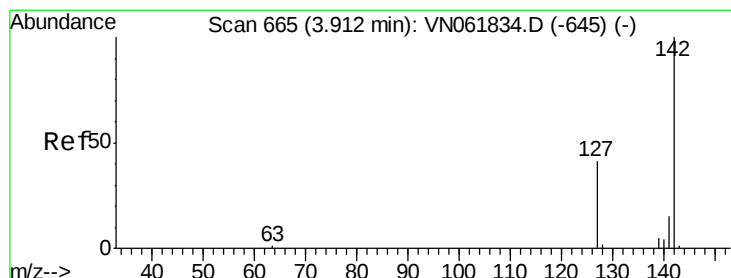
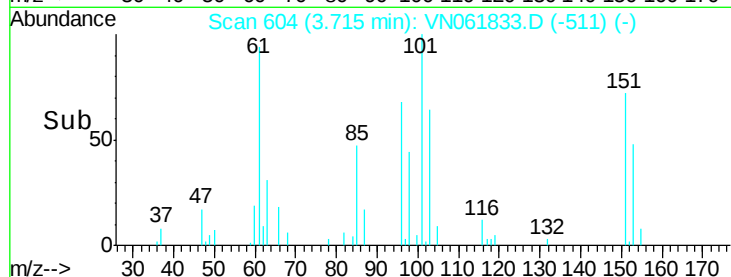
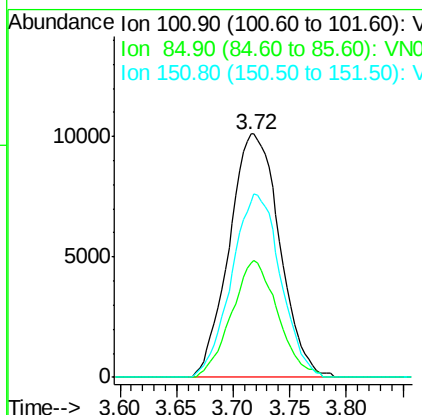
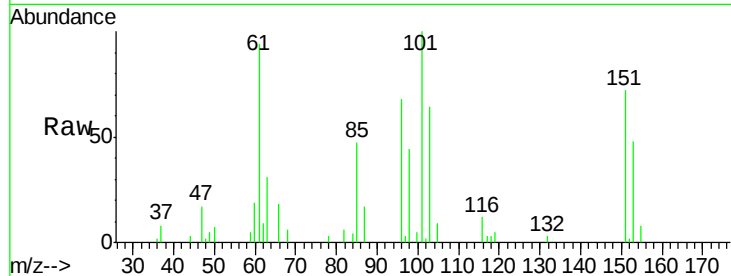
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	31257
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.0	52.6
151	73.2	59.2	88.8

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MMDadoda
6/17/2020 3:44:57 PM



#10

Methyl Iodide

Concen: 14.956 ug/l

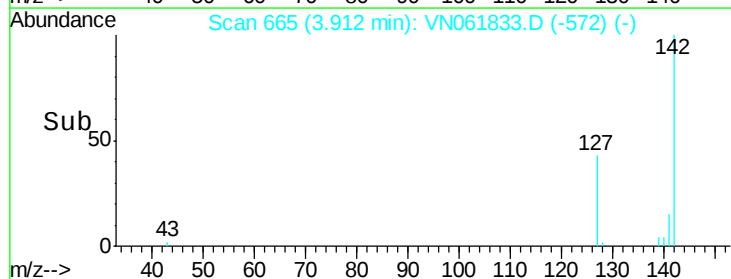
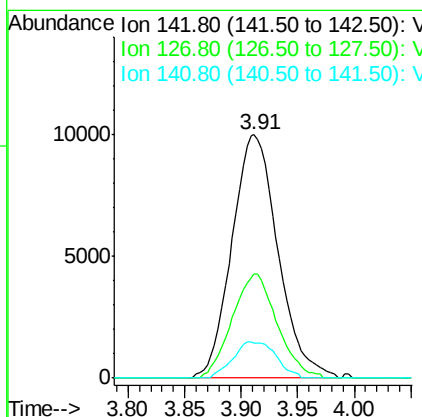
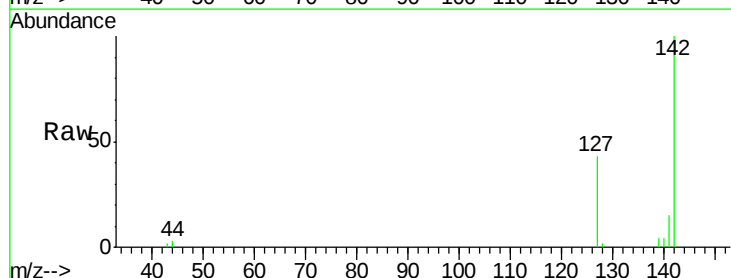
RT: 3.91 min Scan# 665

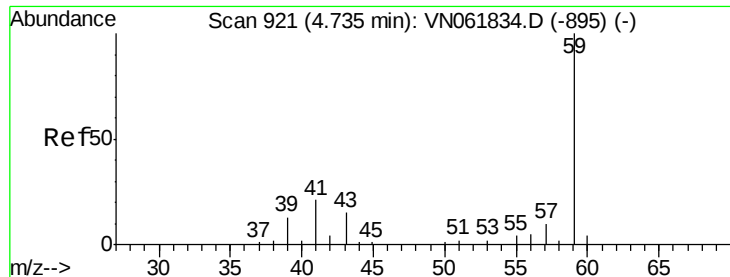
Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Tgt Ion:	142	Resp:	28386
Ion Ratio	Lower	Upper	
142	100		
127	41.6	33.4	50.0
141	13.9	11.3	16.9





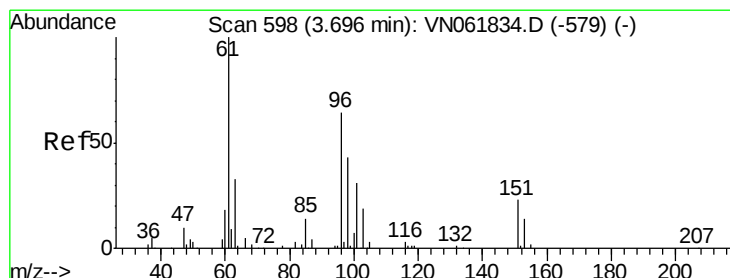
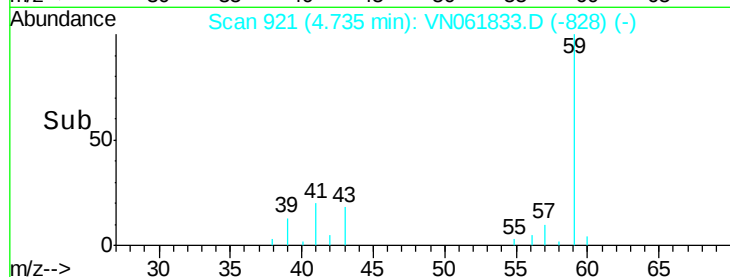
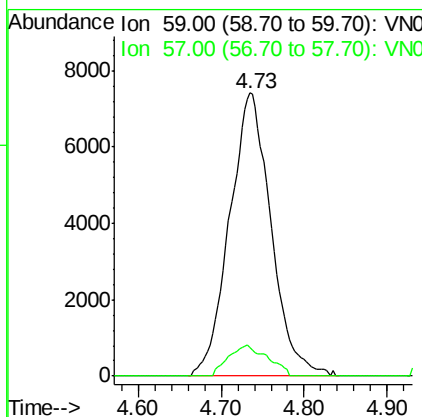
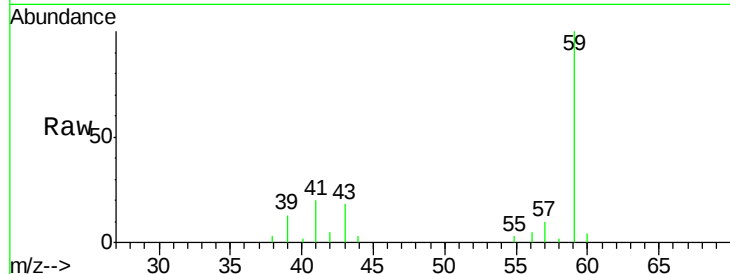
#11
Tert butyl alcohol
Concen: 108.116 ug/l
RT: 4.73 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.7	11.5

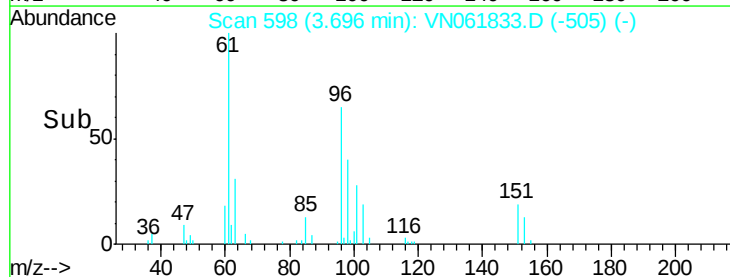
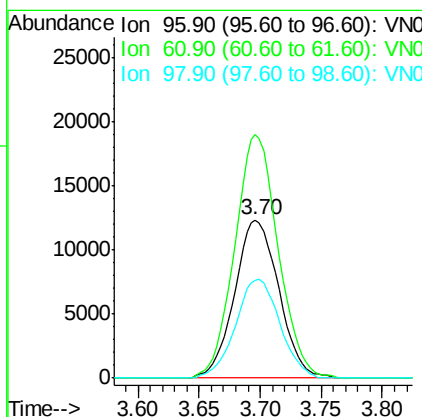
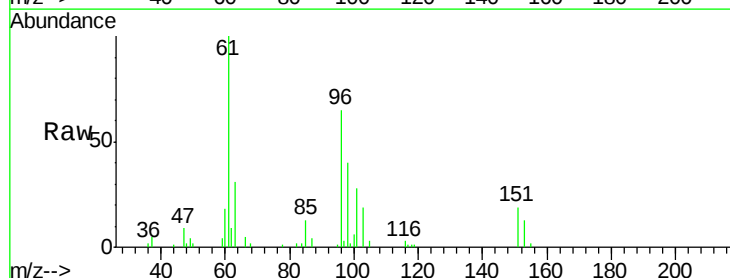
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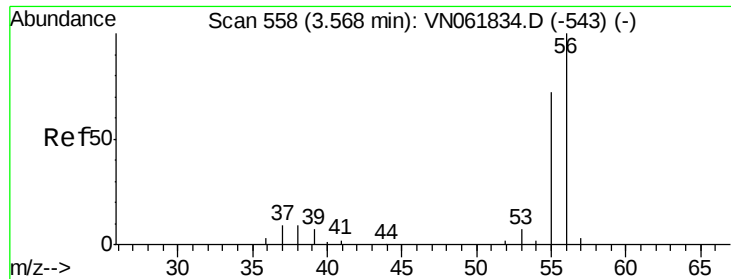
MMDadoda
6/17/2020 3:44:57 PM



#12
1,1-Dichloroethene
Concen: 20.524 ug/l
RT: 3.70 min Scan# 598
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.2	124.3	186.5
98	61.8	53.1	79.7





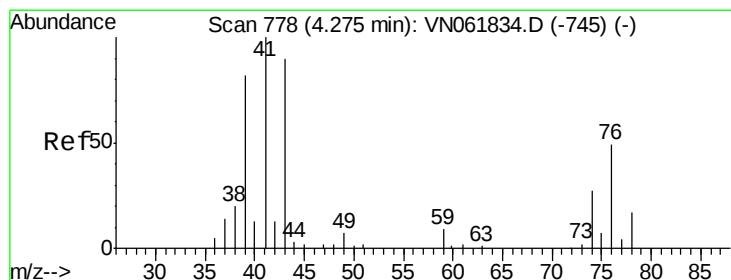
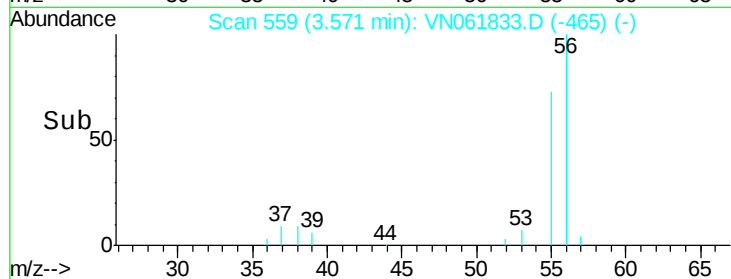
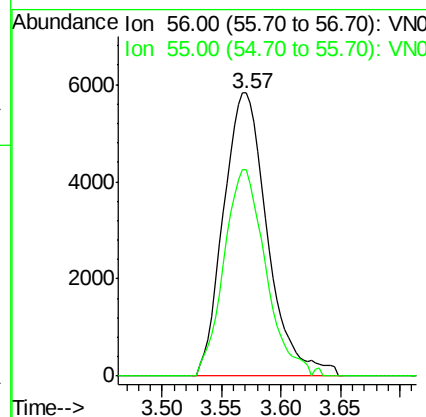
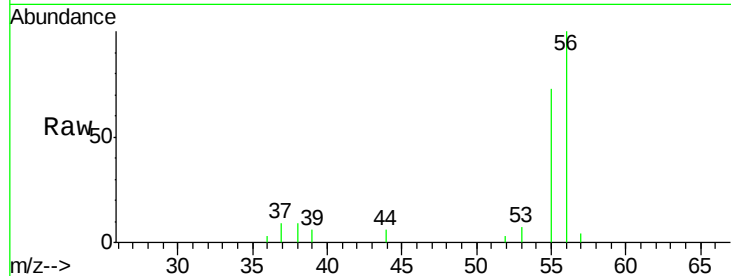
#13
Acrolein
Concen: 140.674 ug/l
RT: 3.57 min Scan# 559
Delta R.T. 0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 56 Resp: 14913
Ion Ratio Lower Upper
56 100
55 69.1 56.2 84.4

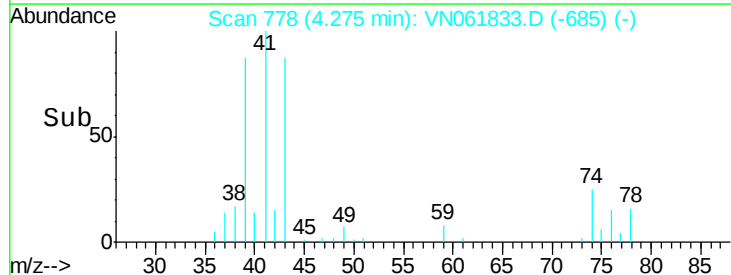
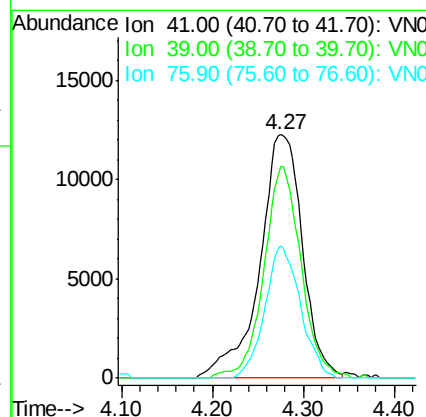
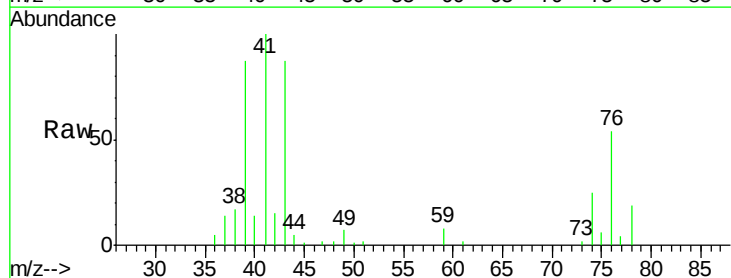
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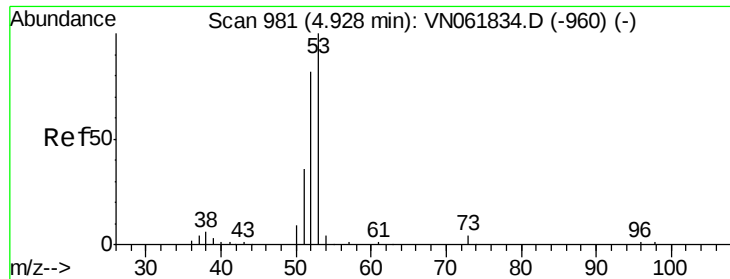
MMDadoda
6/17/2020 3:44:57 PM



#14
Allyl chloride
Concen: 20.347 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Tgt Ion: 41 Resp: 40158
Ion Ratio Lower Upper
41 100
39 75.3 60.2 90.2
76 45.1 36.3 54.5





#15

Acrylonitrile

Concen: 107.387 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Instrument :

MSVOA_N

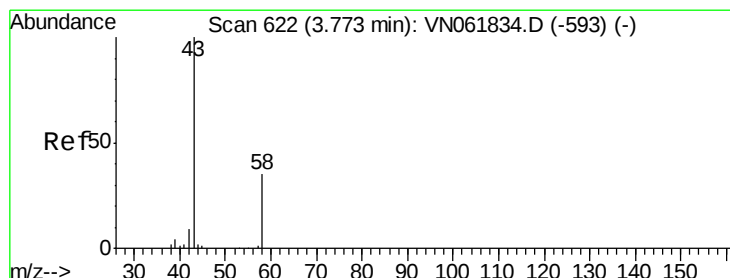
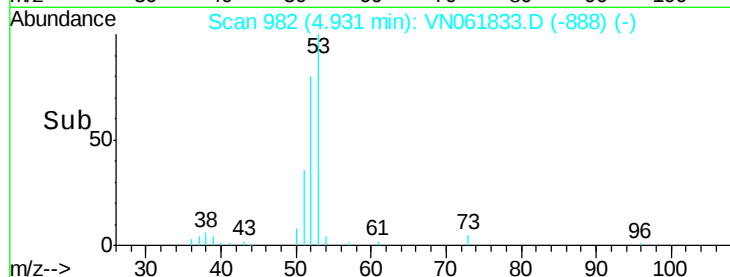
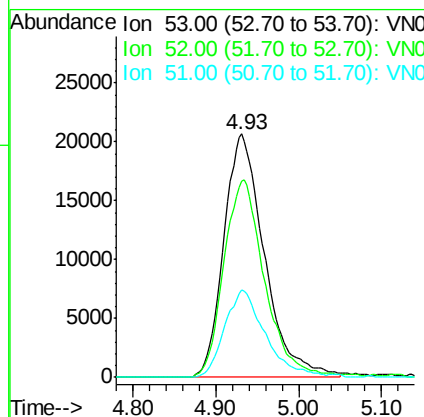
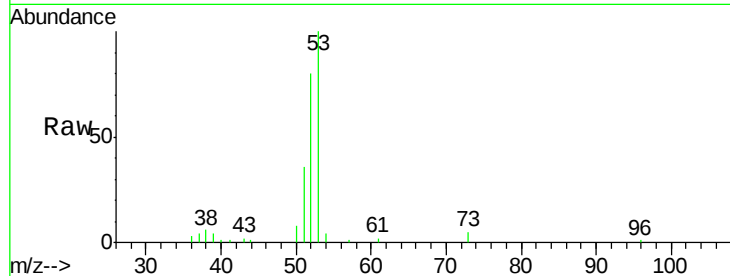
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	70184
Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.2	97.8
51	36.2	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 90.322 ug/l

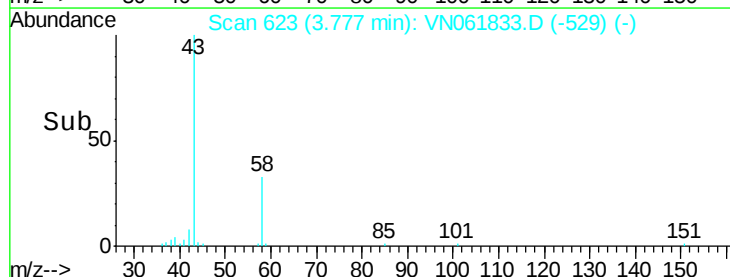
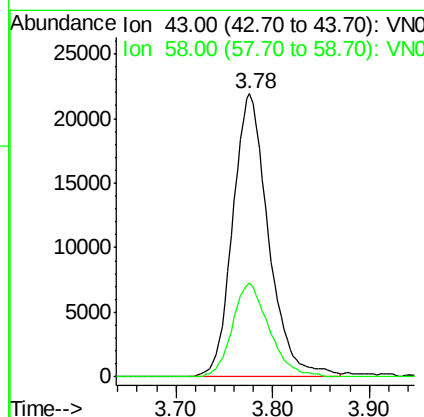
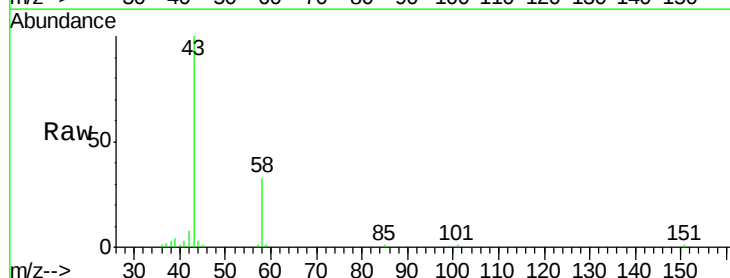
RT: 3.78 min Scan# 623

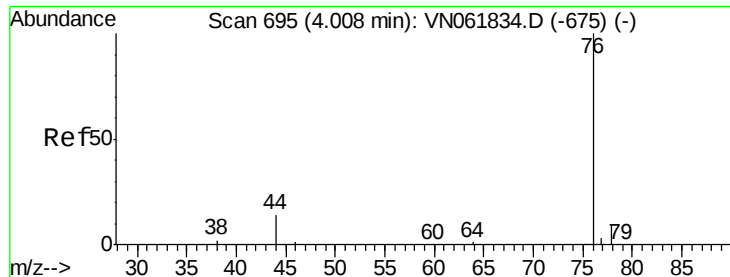
Delta R.T. 0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Tgt Ion:	43	Resp:	56313
Ion	Ratio	Lower	Upper
43	100		
58	33.0	27.8	41.8





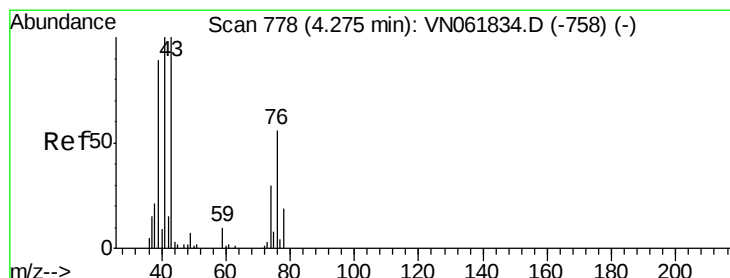
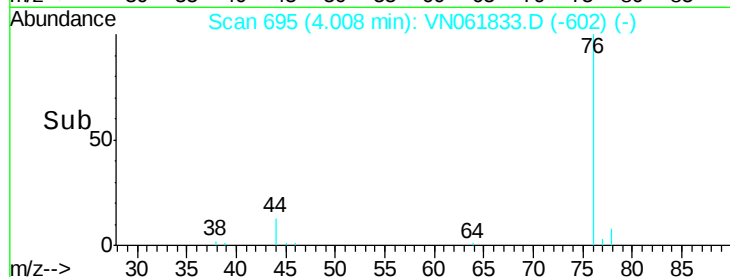
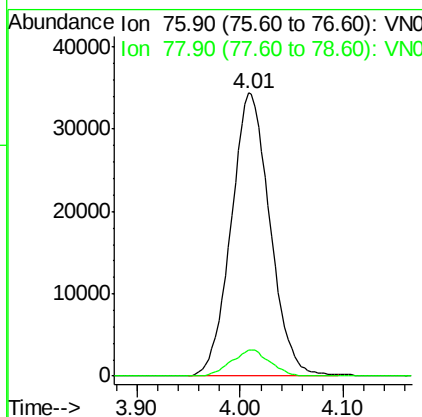
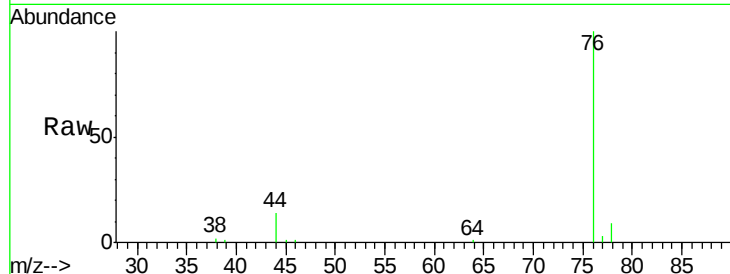
#17
Carbon Disulfide
Concen: 25.672 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

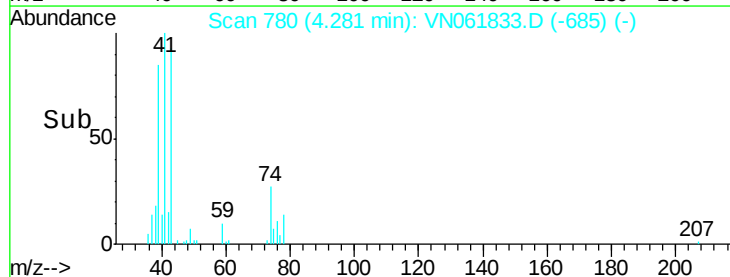
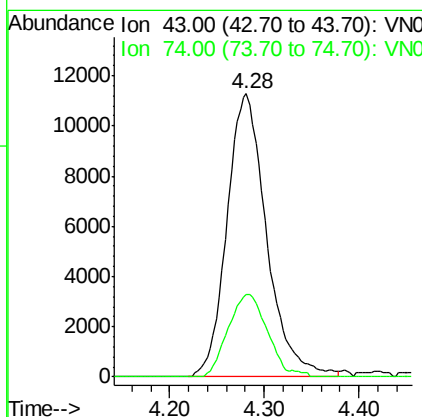
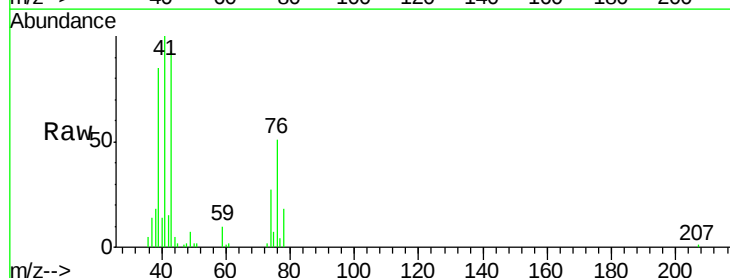
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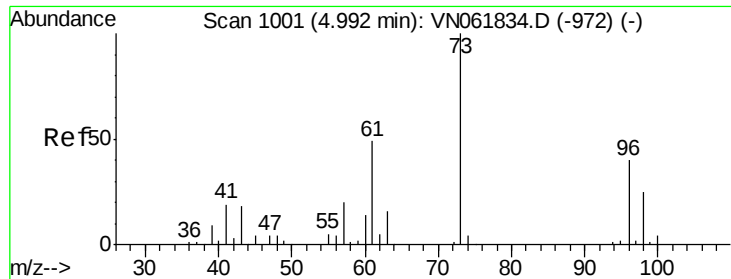
MMDadoda
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#18
Methyl Acetate
Concen: 20.642 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.01 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	29.0	23.0	34.4





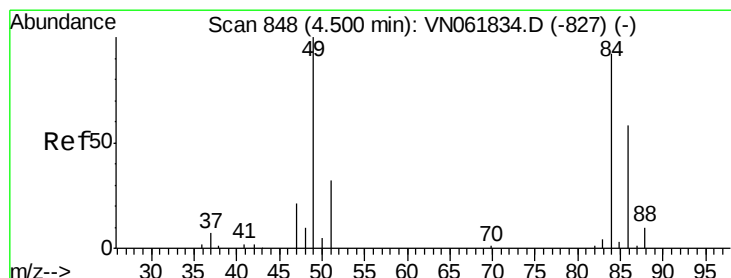
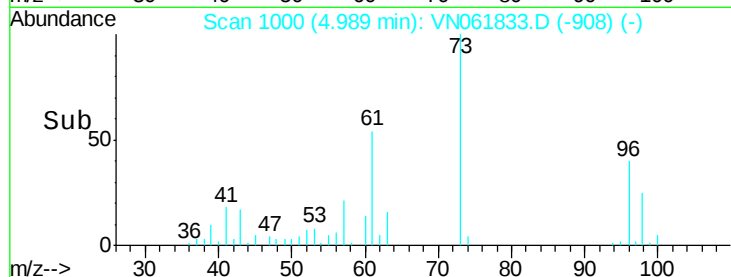
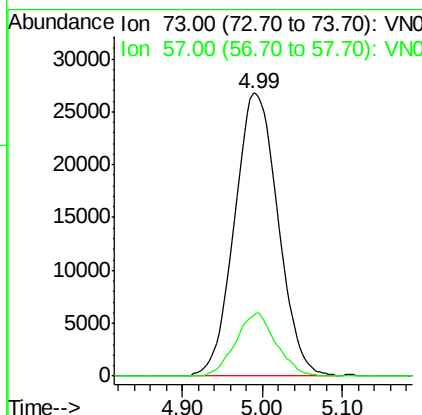
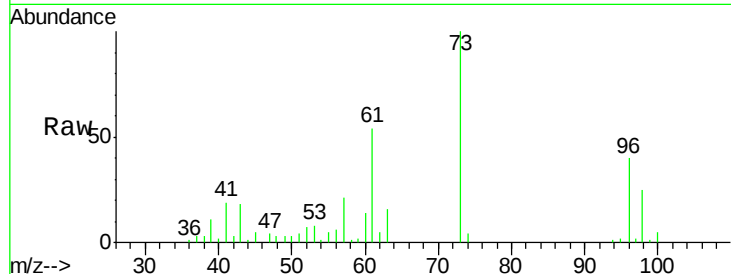
#19
Methvl tert-butvl Ether
Concen: 19.438 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 99314
Ion Ratio Lower Upper
73 100
57 21.4 16.2 24.4

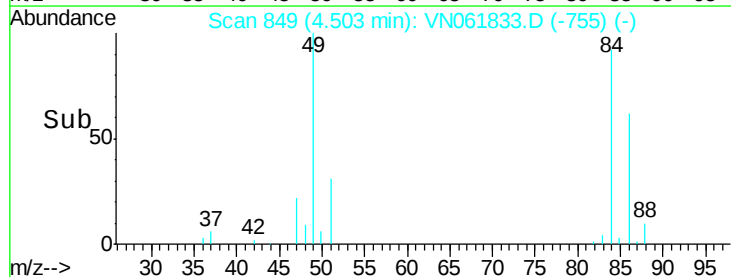
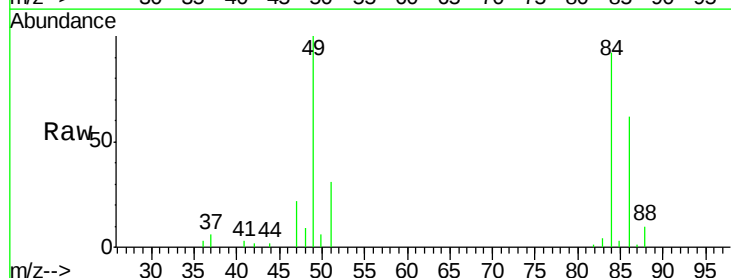
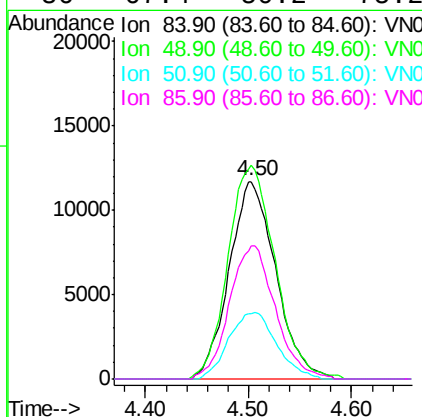
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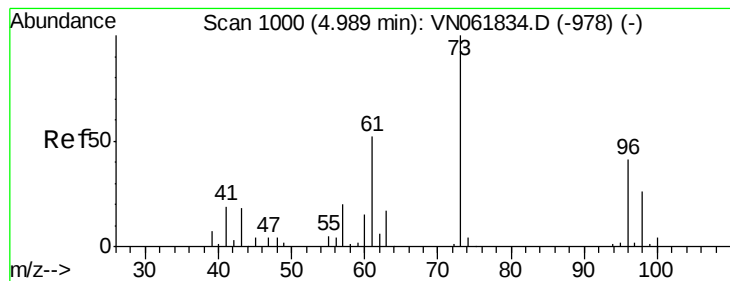
MMDadoda
6/17/2020 3:44:57 PM



#20
Methylene Chloride
Concen: 16.931 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Tgt Ion: 84 Resp: 36619
Ion Ratio Lower Upper
84 100
49 108.1 87.0 130.4
51 33.1 27.8 41.6
86 67.4 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 20.291 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 96 Resp: 34655

Ion Ratio Lower Upper

96 100

61 135.5 102.2 153.4

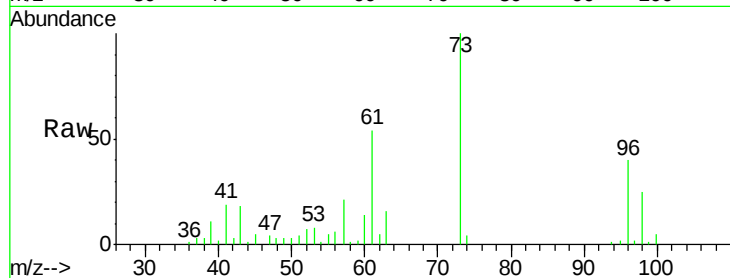
98 62.5 51.2 76.8

Manual Integrations

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MMDadoda

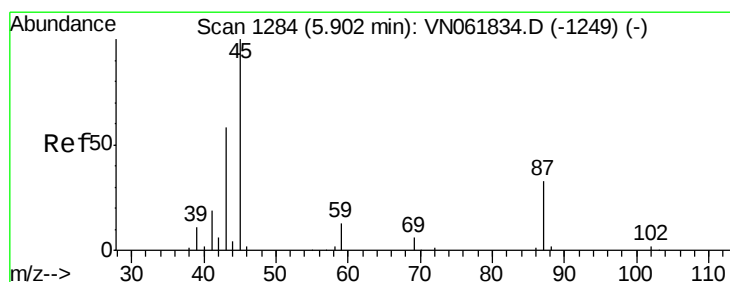
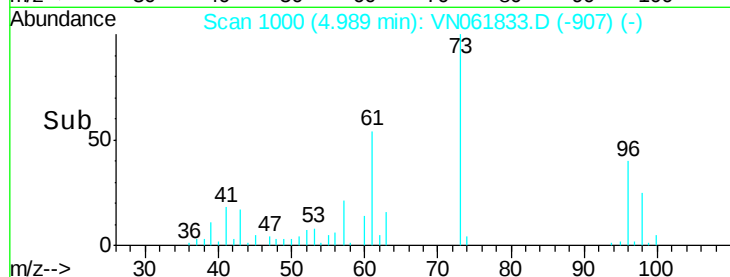
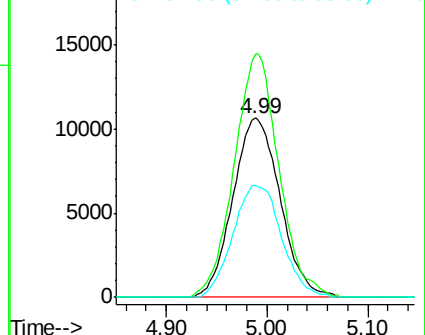
6/17/2020 3:44:57 PM



Abundance Ion 95.90 (95.60 to 96.60): VN061833.D (-907) (-)

Ion 60.90 (60.60 to 61.60): VN061833.D (-907) (-)

Ion 97.90 (97.60 to 98.60): VN061833.D (-907) (-)



#22

Diisopropyl ether

Concen: 20.878 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Tgt Ion: 45 Resp: 90568

Ion Ratio Lower Upper

45 100

43 66.6 49.4 74.2

87 35.2 27.4 41.0

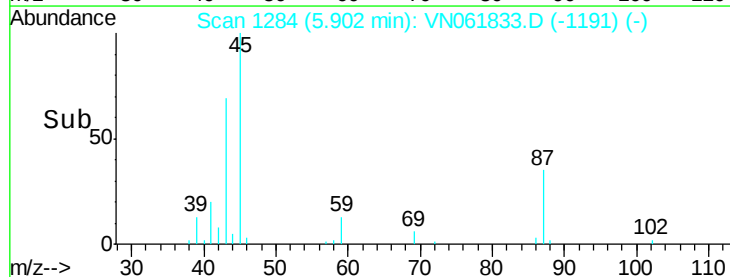
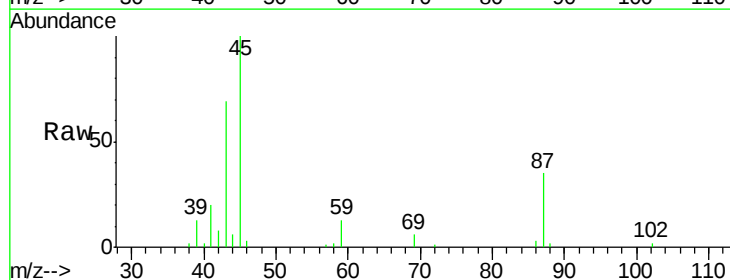
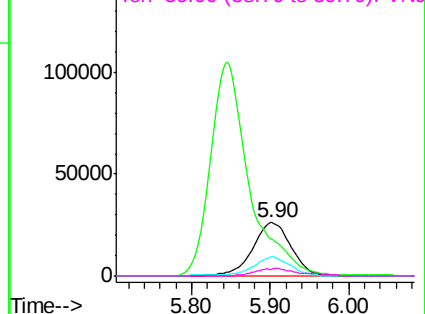
59 13.3 10.6 15.8

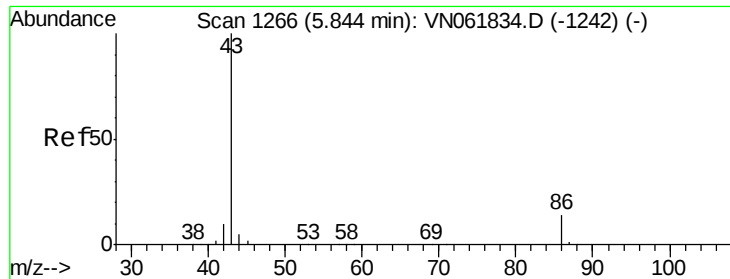
Abundance Ion 45.00 (44.70 to 45.70): VN061833.D (-1191) (-)

Ion 43.00 (42.70 to 43.70): VN061833.D (-1191) (-)

Ion 87.00 (86.70 to 87.70): VN061833.D (-1191) (-)

Ion 59.00 (58.70 to 59.70): VN061833.D (-1191) (-)





#23

Vinyl Acetate

Concen: 103.612 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 357703

Ion Ratio Lower Upper

43 100

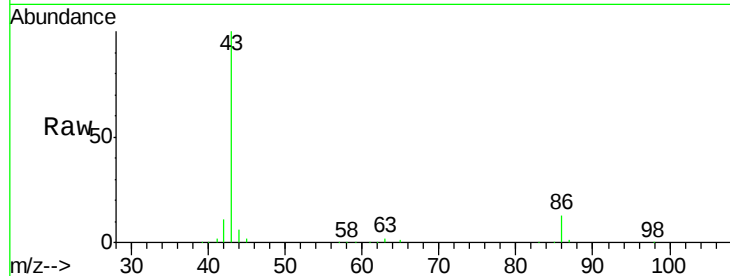
86 13.2 10.9 16.3

Manual Integrations

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MMDadoda

6/17/2020 3:44:57 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.84

120000

100000

80000

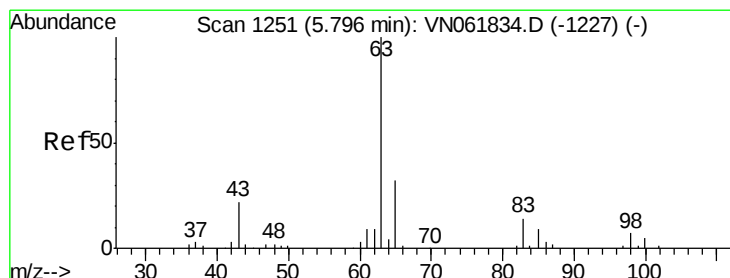
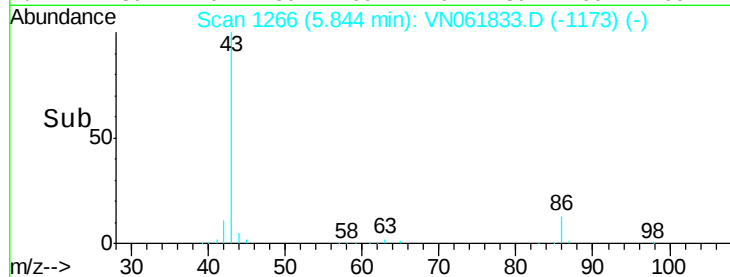
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.421 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

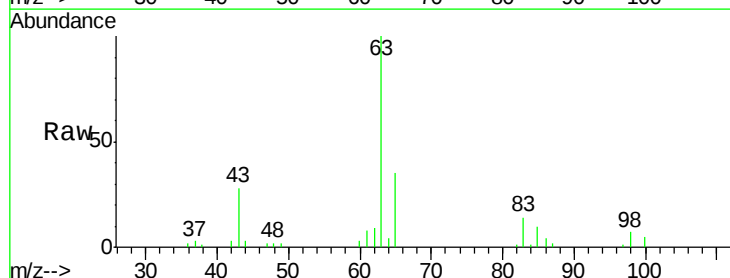
Tgt Ion: 63 Resp: 59326

Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.4

100 4.9 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.80

25000

20000

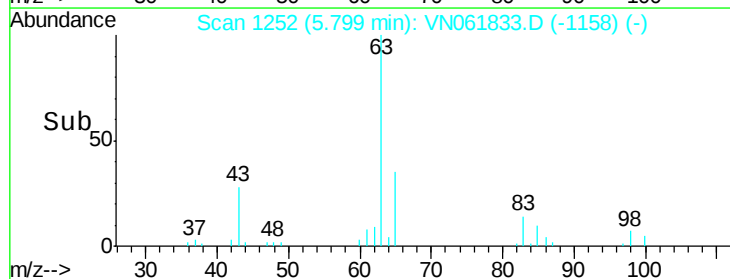
15000

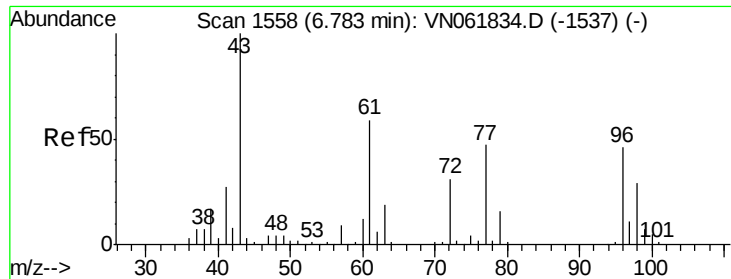
10000

5000

0

Time-->





#25

2-Butanone

Concen: 102.637 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 85481

Ion Ratio Lower Upper

43 100

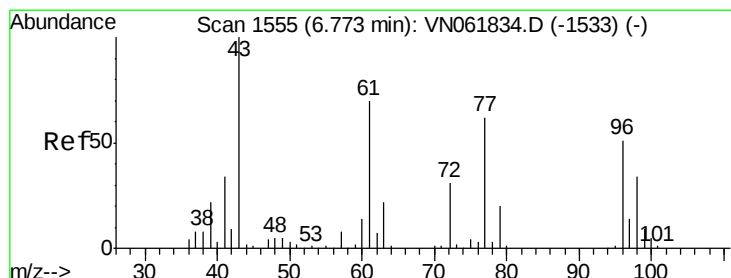
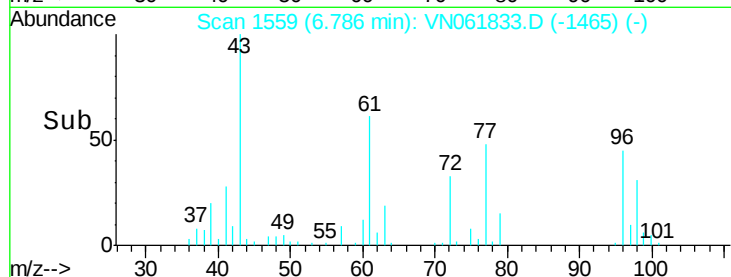
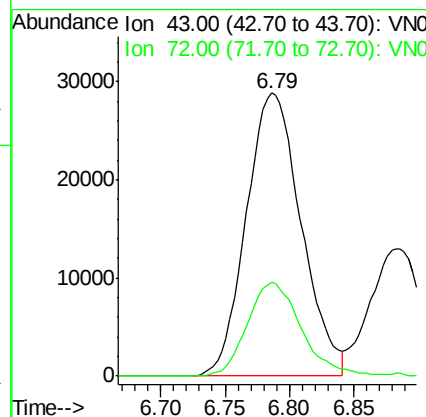
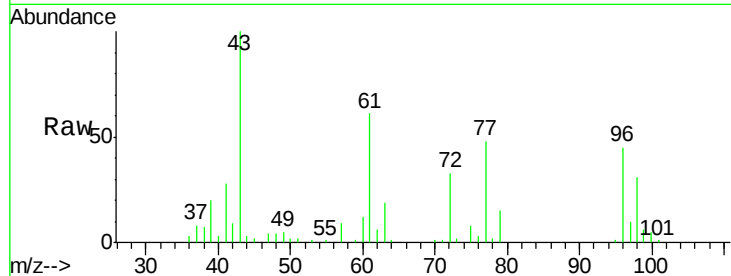
72 33.2 24.6 37.0

Manual Integrations

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6/17/2020 3:44:57 PM



#26

2,2-Dichloropropane

Concen: 20.288 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN061833.D

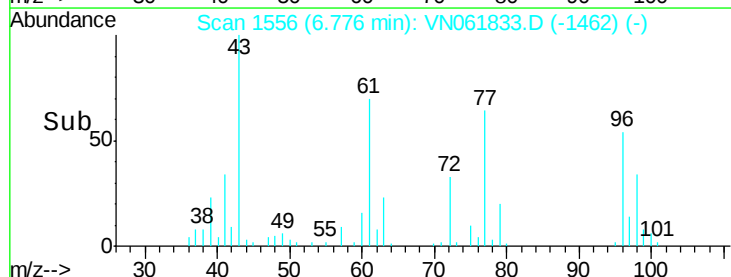
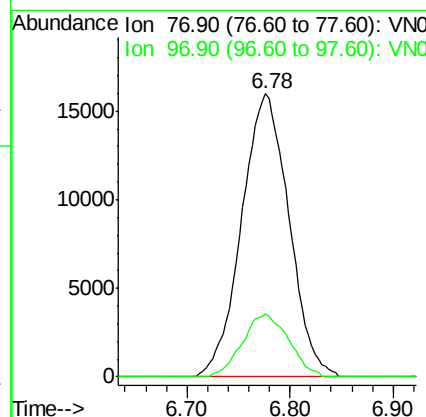
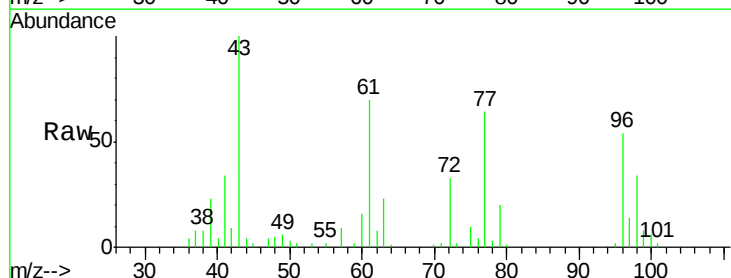
Acq: 16 Jun 2020 18:14

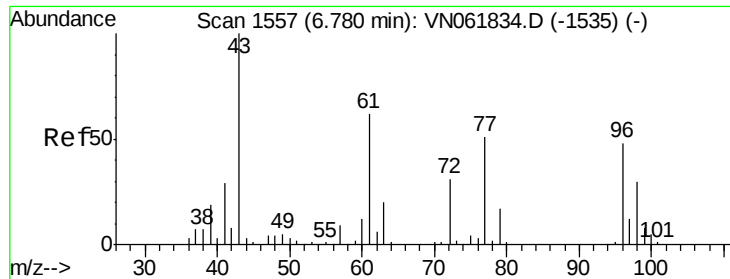
Tgt Ion: 77 Resp: 50926

Ion Ratio Lower Upper

77 100

97 21.8 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 20.997 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Instrument :

MSVOA_N

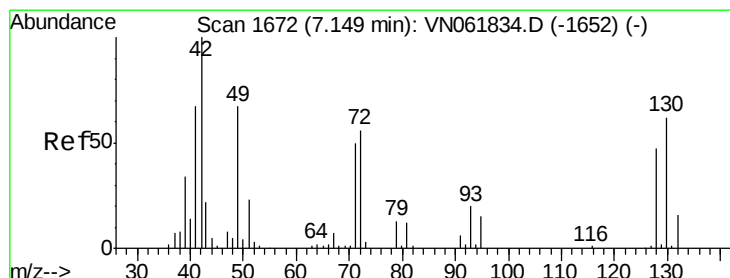
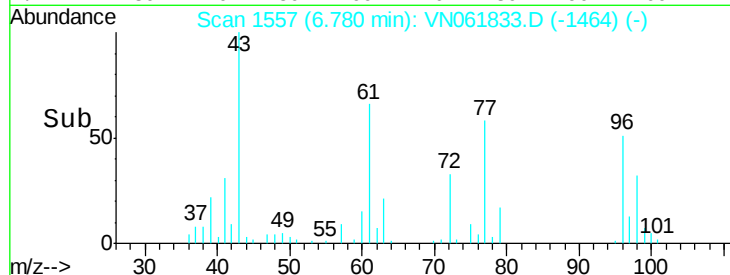
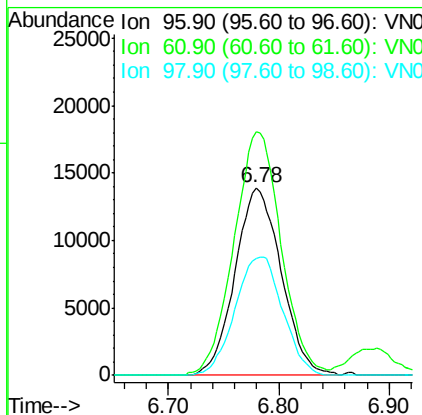
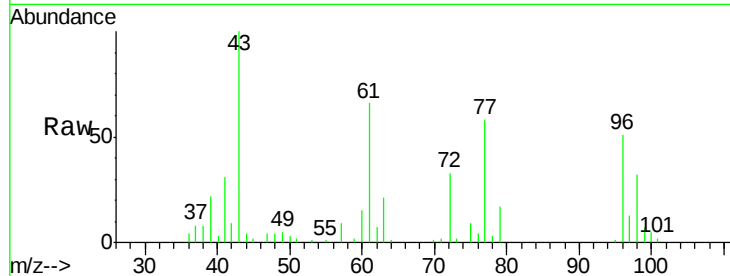
ClientSampled :

VSTDIC020

Tot Ion:	96	Resp:	40341
Ion	Ratio	Lower	Upper
96	100		
61	132.8	0.0	265.6
98	65.1	0.0	128.2

Manual Integrations
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#28

Bromochloromethane

Concen: 21.886 ug/l

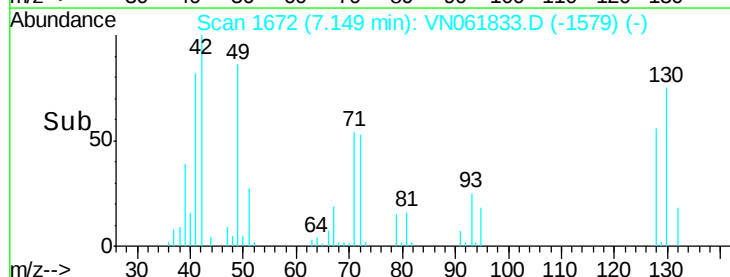
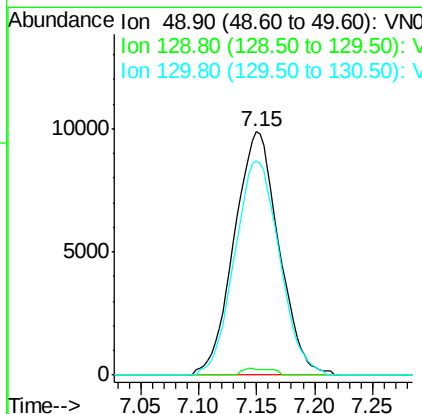
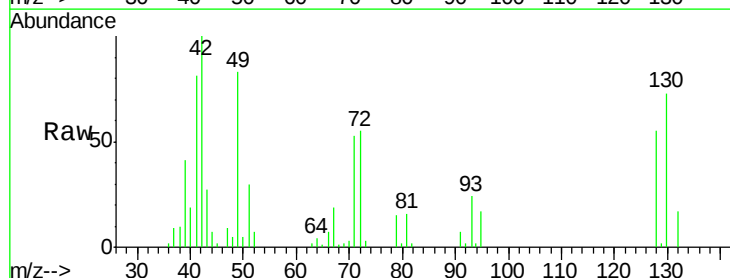
RT: 7.15 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Tgt Ion:	49	Resp:	26482
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	4.0
130	88.4	72.2	108.2





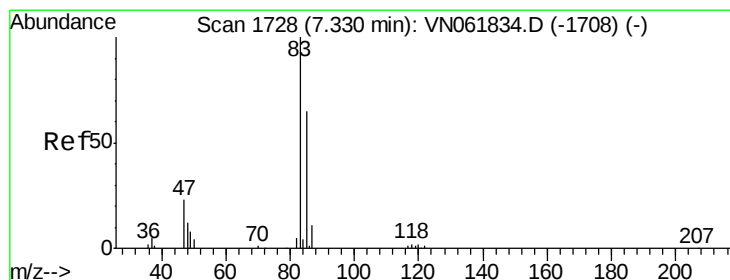
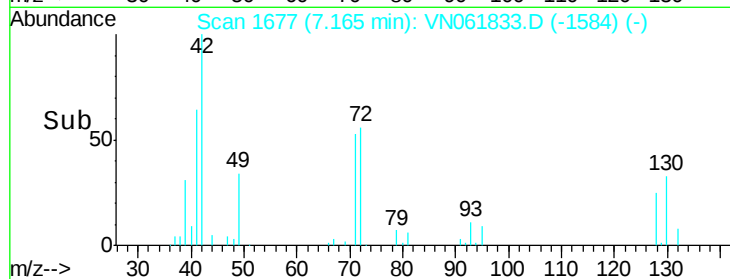
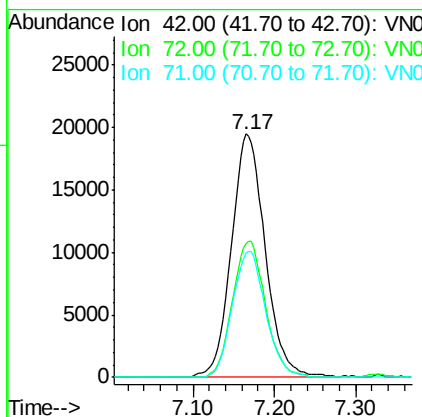
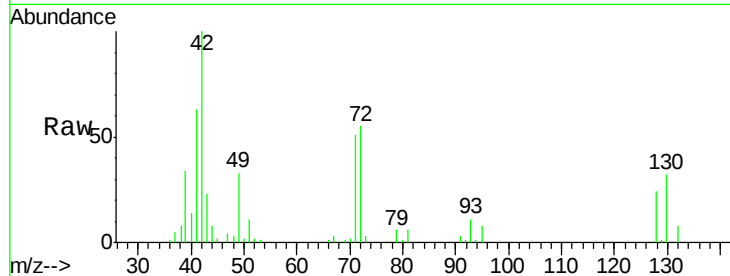
#29
Tetrahydrofuran
Concen: 102.388 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	54.6	44.0	66.0
71	50.9	40.0	60.0

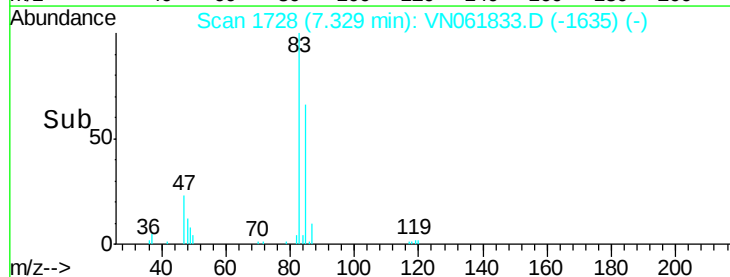
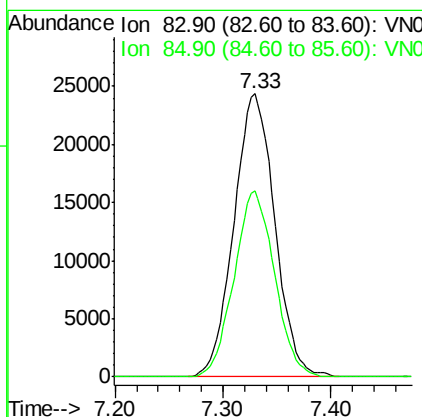
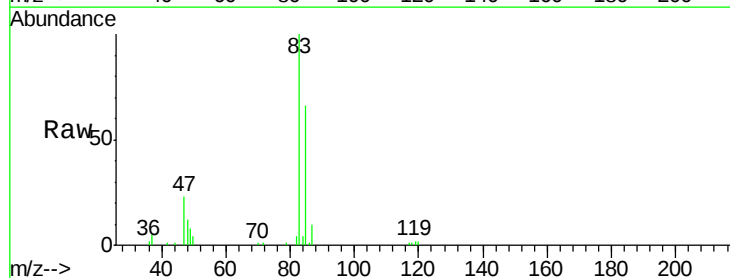
Manual Integrations
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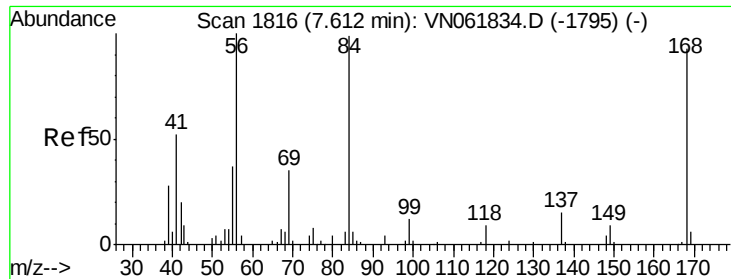
MMDadoda
6/17/2020 3:44:57 PM



#30
Chloroform
Concen: 21.124 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.0	78.0





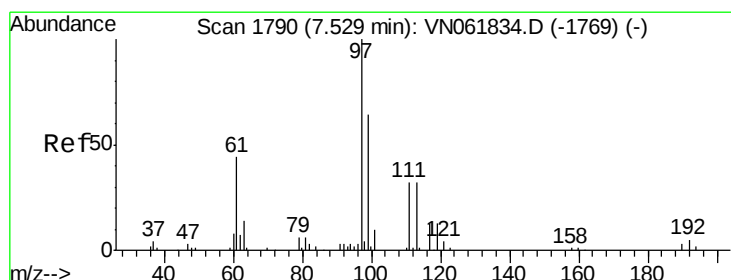
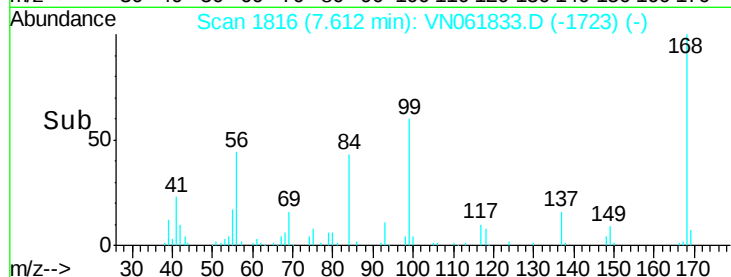
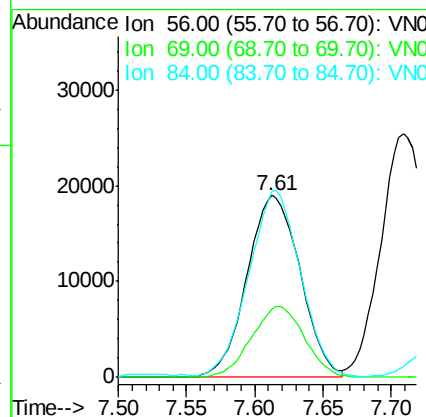
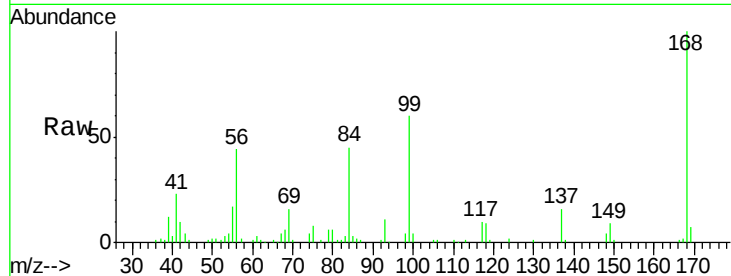
#31
Cyclohexane
Concen: 20.804 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.6	27.7	41.5
84	101.2	79.1	118.7

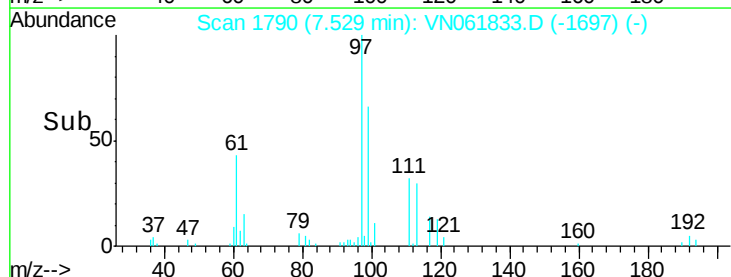
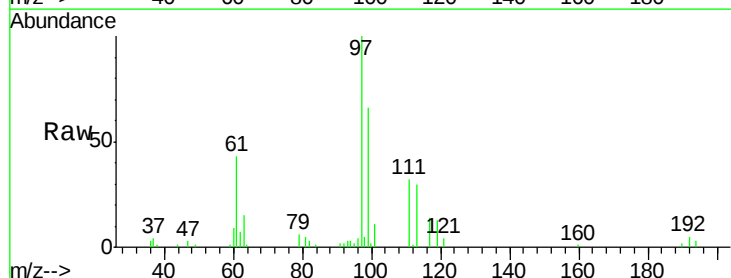
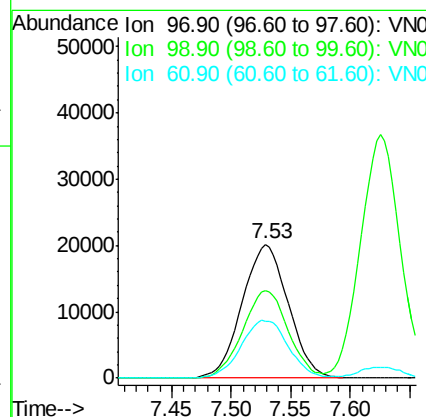
Manual Integrations
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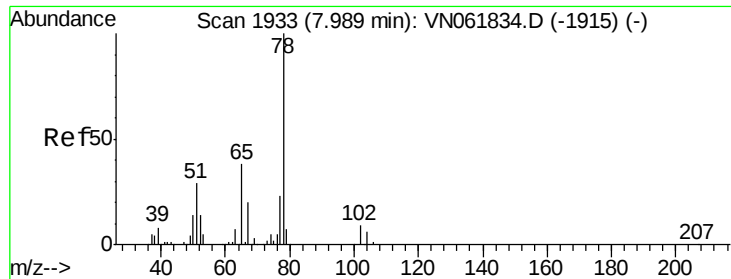
MMDadoda
6/17/2020 3:44:57 PM



#32
1,1,1-Trichloroethane
Concen: 19.666 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.5	77.3
61	44.5	35.1	52.7





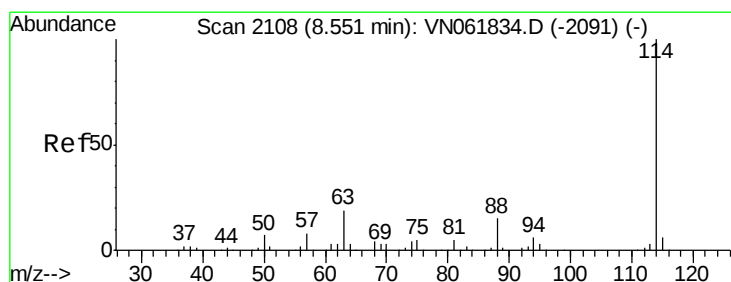
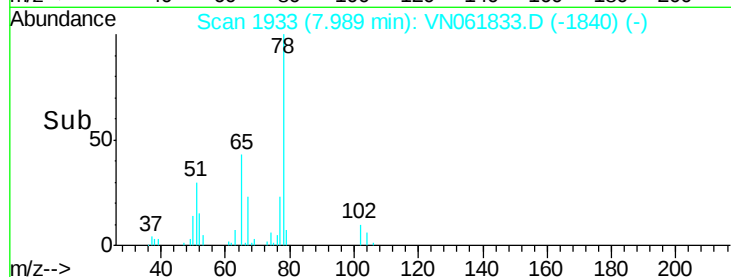
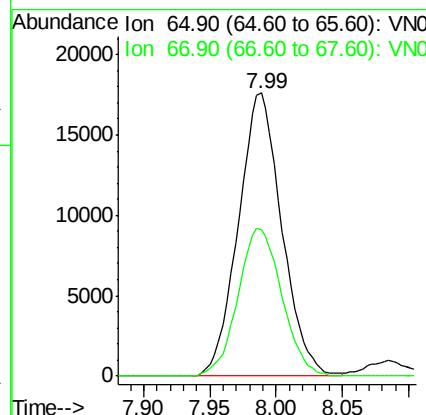
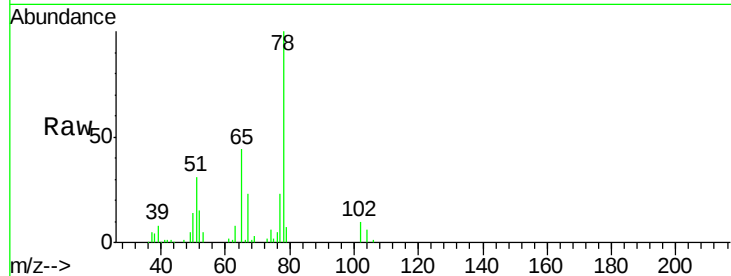
#33
 1,2-Dichloroethane-d4
 Concen: 22.735 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN061833.D
 Acq: 16 Jun 2020 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	106.2

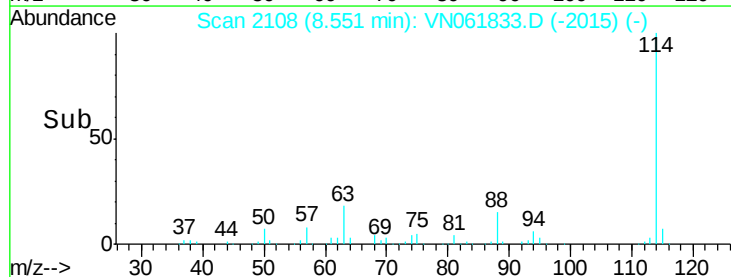
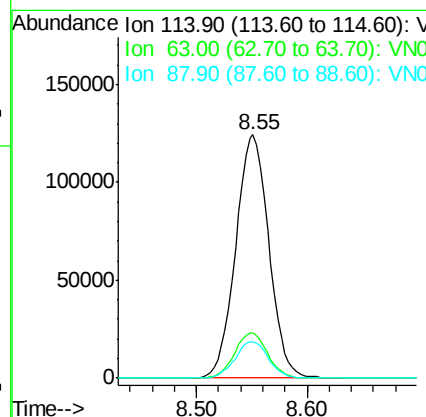
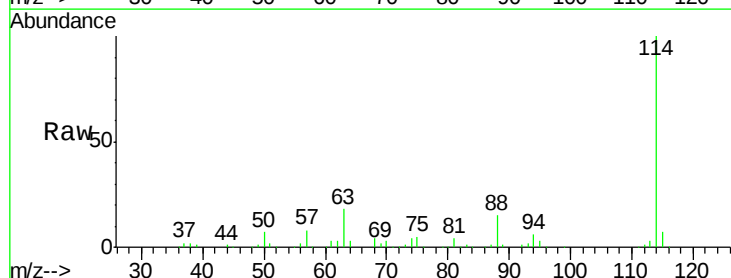
Manual Integrations
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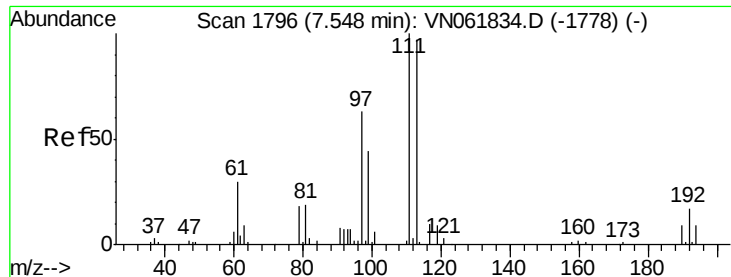
MMDadoda
 6/17/2020 3:44:57 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061833.D
 Acq: 16 Jun 2020 18:14

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	37.6
88	15.0	0.0	31.0





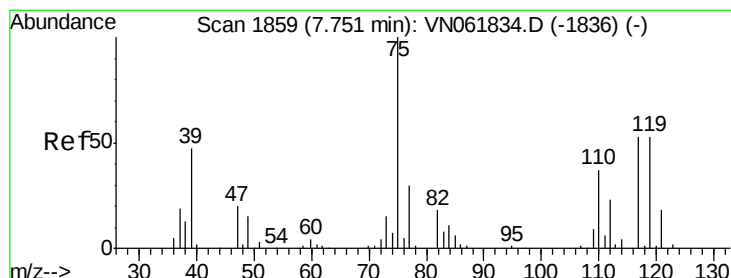
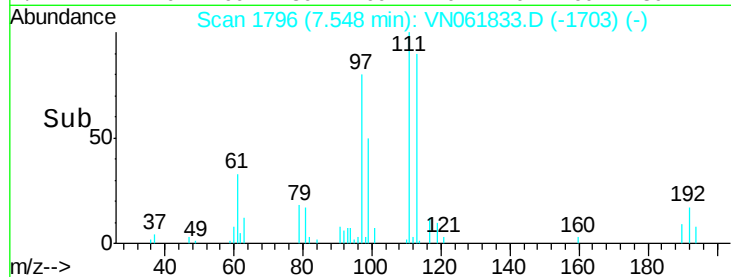
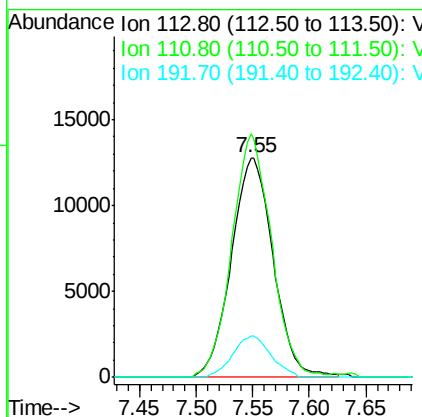
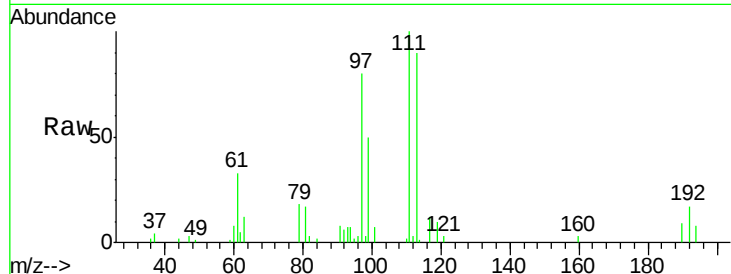
#35
 Dibromofluoromethane
 Concen: 24.069 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061833.D
 Acq: 16 Jun 2020 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.3	83.7	125.5
192	17.1	13.9	20.9

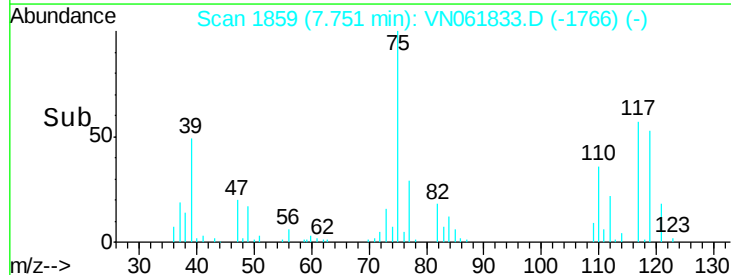
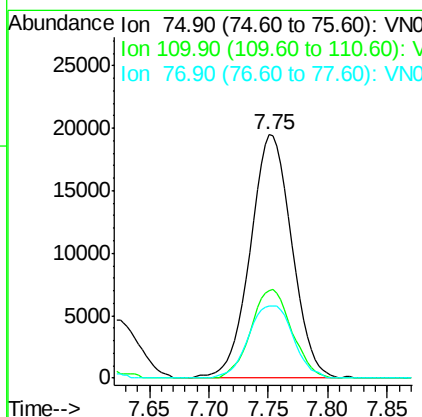
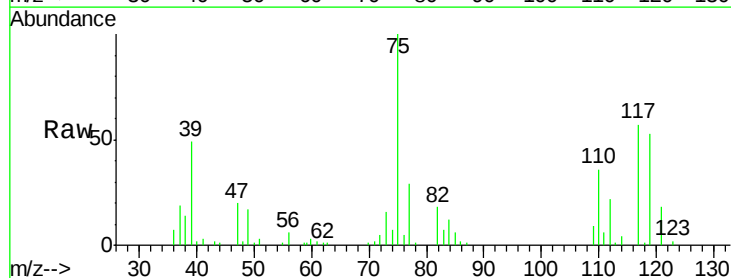
Manual Integrations
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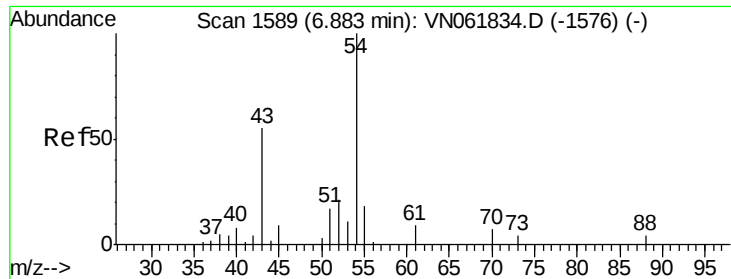
MMDadoda
 6/17/2020 3:44:57 PM



#36
 1,1-Dichloropropene
 Concen: 20.341 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN061833.D
 Acq: 16 Jun 2020 18:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.8	18.2	54.6
77	32.0	24.2	36.4





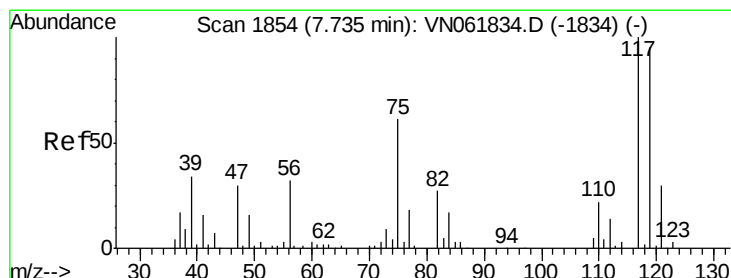
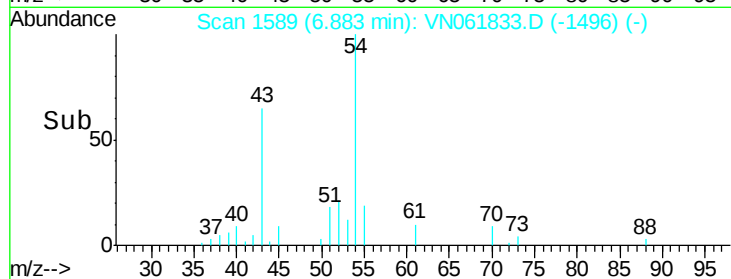
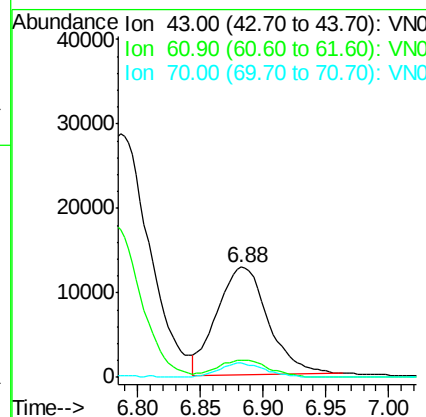
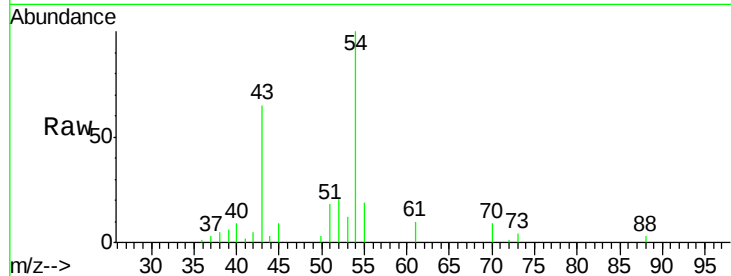
#37
Ethyl Acetate
Concen: 19.786 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.1	13.0	19.4
70	11.9	9.4	14.2

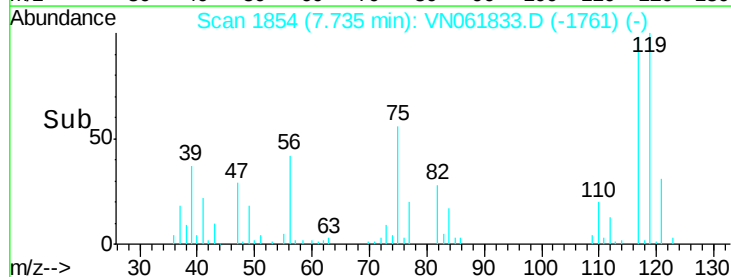
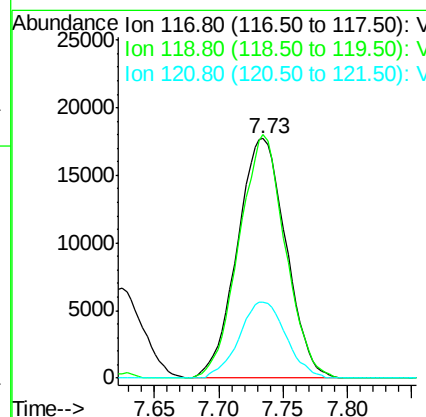
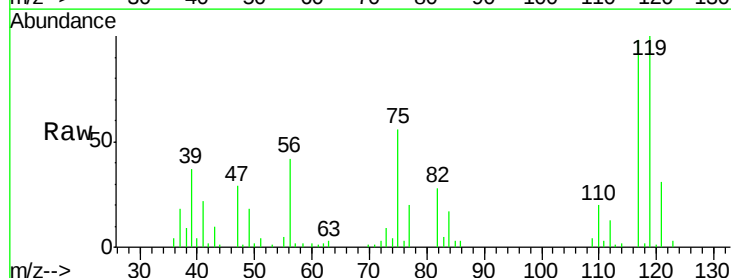
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 20.883 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.7	75.8	113.6
121	31.8	23.8	35.6





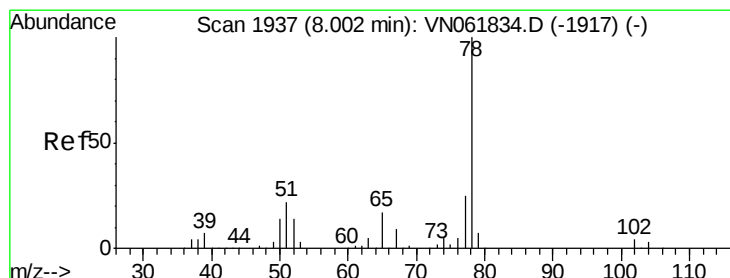
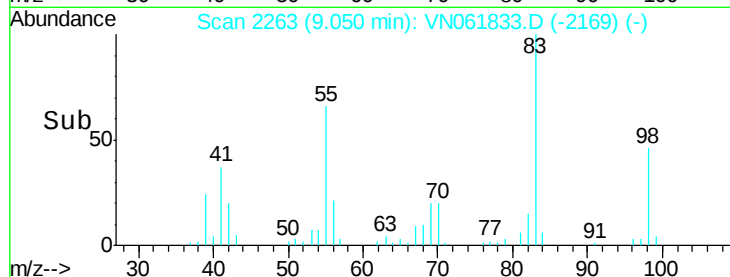
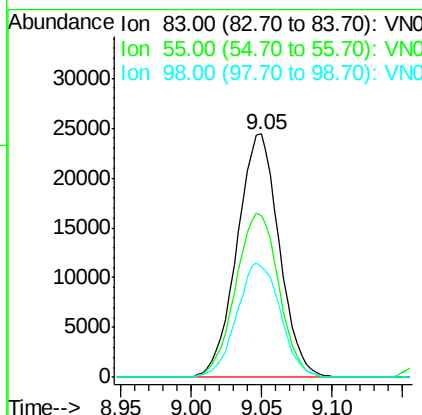
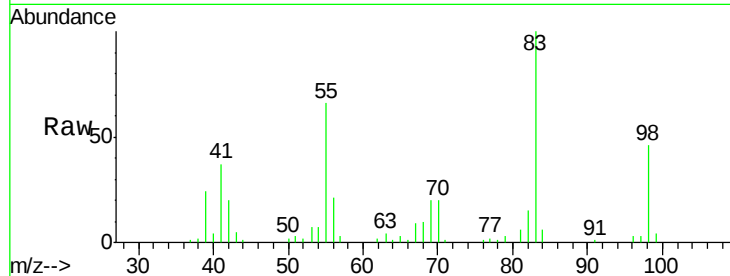
#39
Methvlcvclohexane
Concen: 18.215 ug/l
RT: 9.05 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.5	54.2	81.4
98	45.5	39.8	59.6

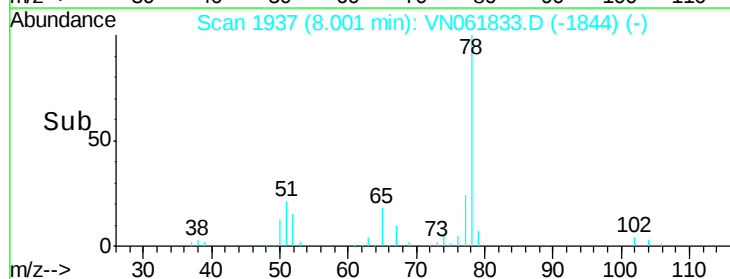
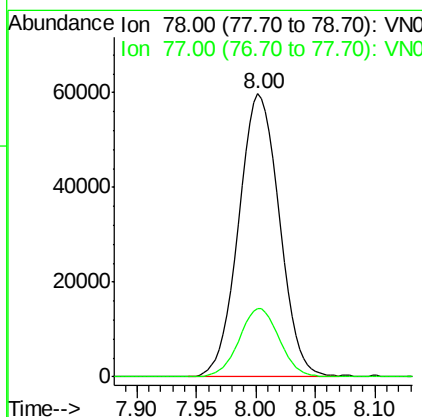
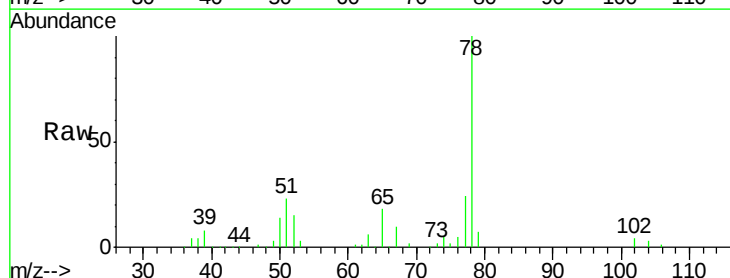
Manual Integrations
APPROVED

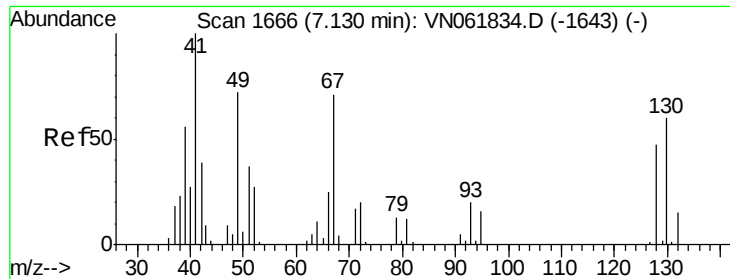
MMDadoda
6/17/2020 3:44:57 PM



#40
Benzene
Concen: 19.955 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.7	29.5





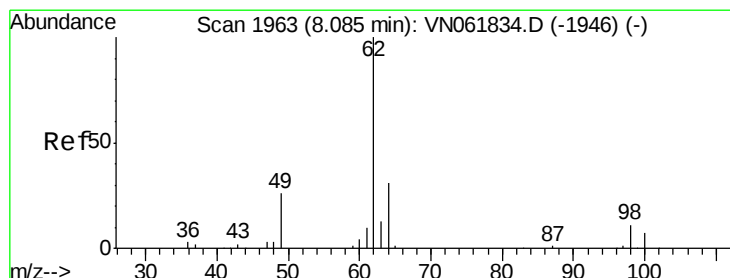
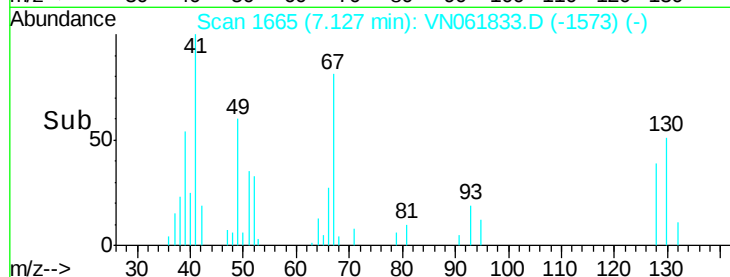
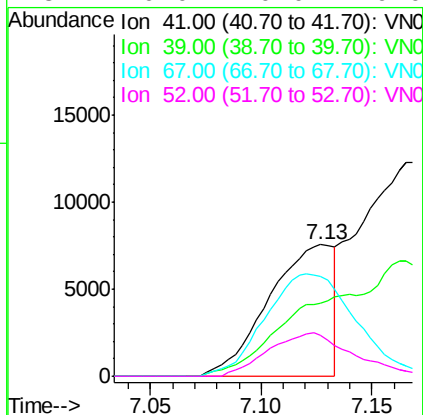
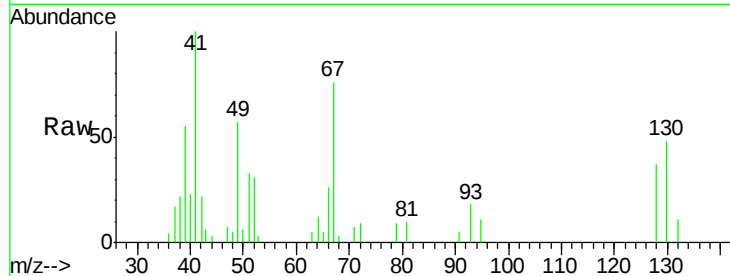
#41
Methacrylonitrile
Concen: 18.585 ug/l m
RT: 7.13 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	41	Resp	15710
Ion	Ratio	Lower	Upper
41	100		
39	182.7	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

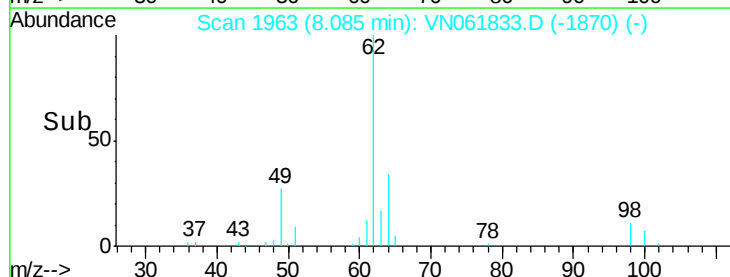
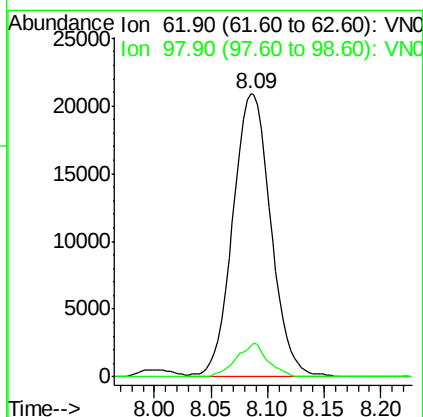
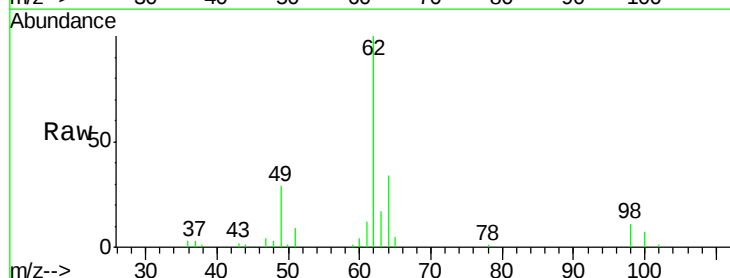
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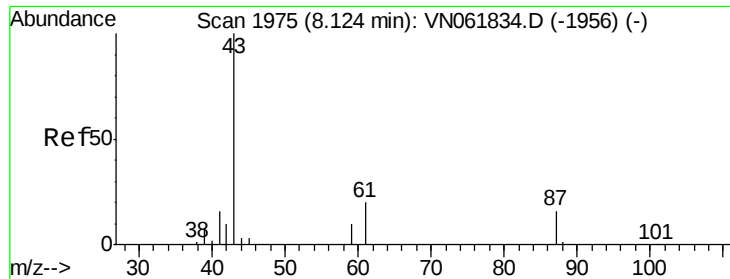
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.434 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Tgt Ion	62	Resp	48945
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	20.4





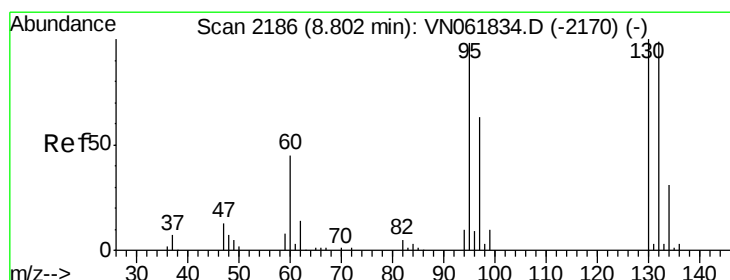
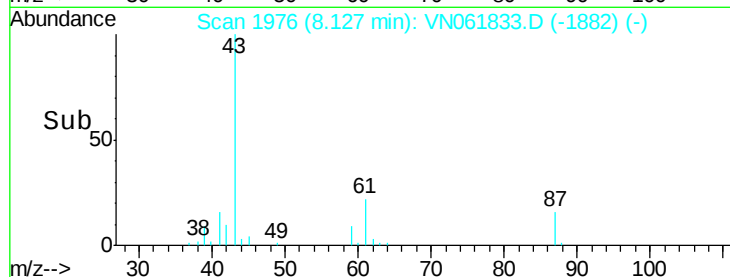
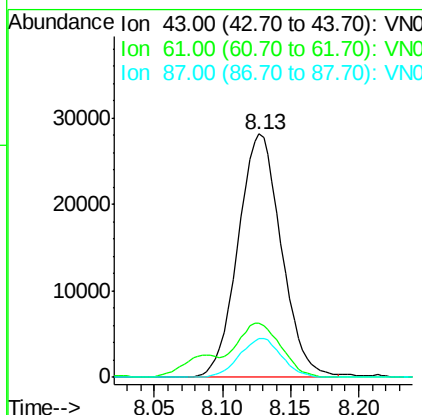
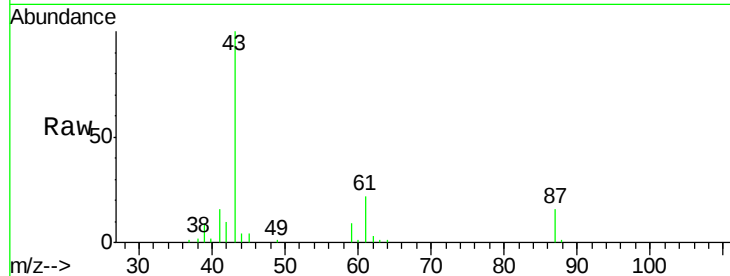
#43
Isopropyl Acetate
Concen: 18.757 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.2	24.0	36.0#
87	15.5	12.5	18.7

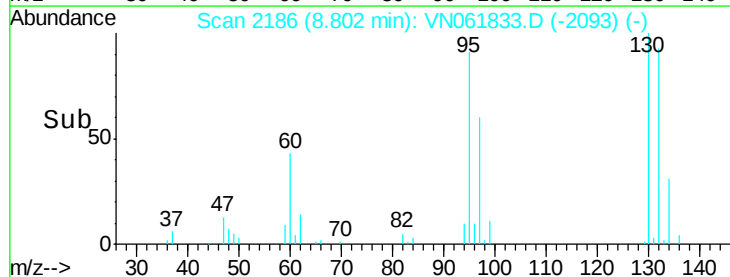
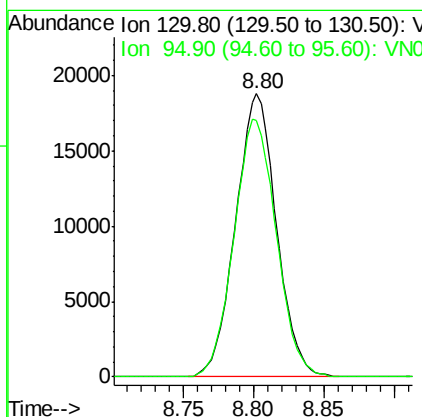
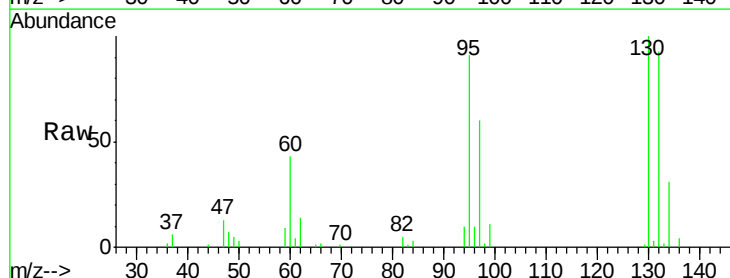
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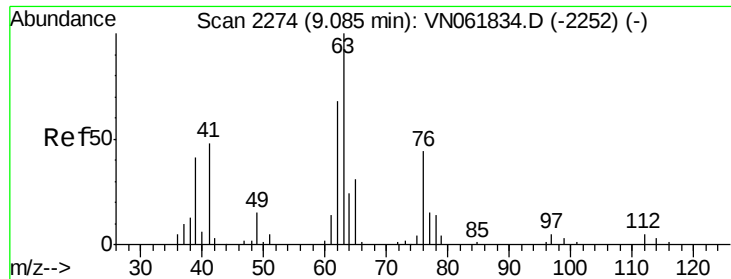
MMDadoda
6/17/2020 3:44:57 PM



#44
Trichloroethene
Concen: 17.916 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.8	0.0	195.6





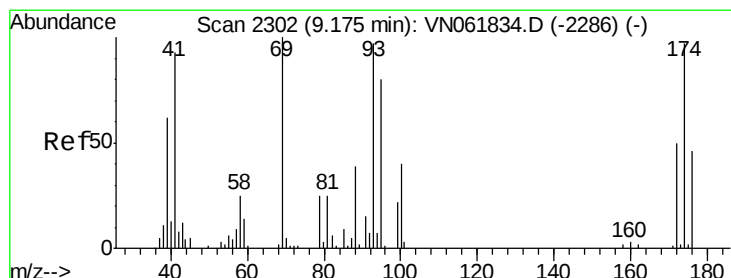
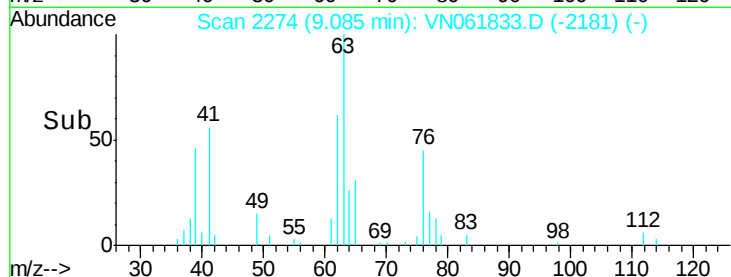
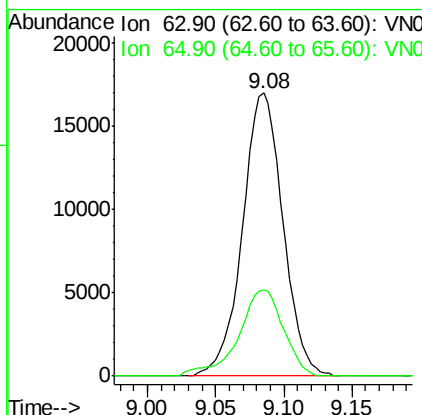
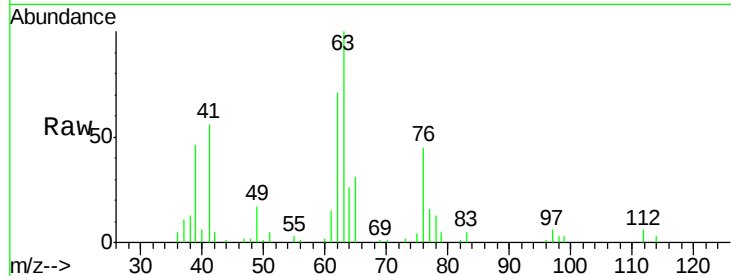
#45
 1,2-Dichloropropane
 Concen: 20.589 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN061833.D
 Acq: 16 Jun 2020 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 35060
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.1 37.7

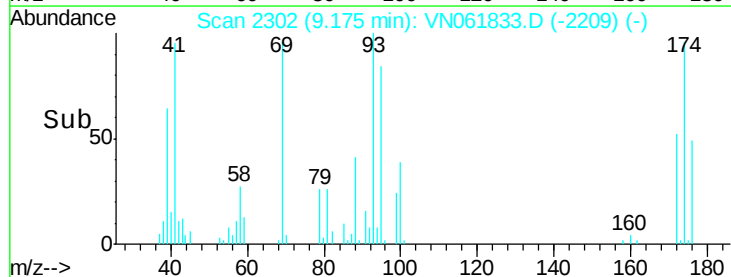
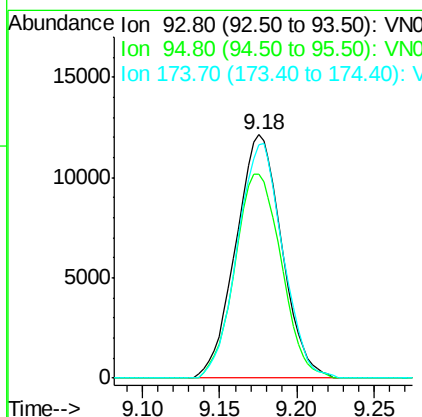
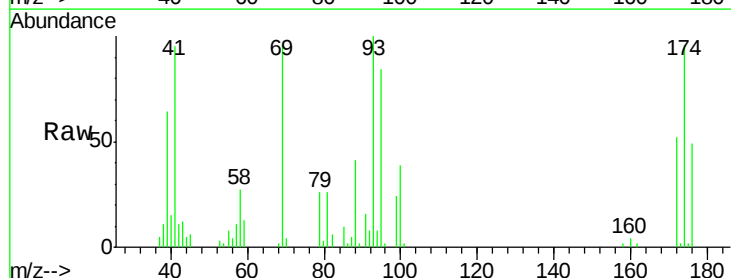
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#46
 Dibromomethane
 Concen: 19.453 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN061833.D
 Acq: 16 Jun 2020 18:14

Tgt Ion: 93 Resp: 25093
 Ion Ratio Lower Upper
 93 100
 95 84.7 65.8 98.6
 174 95.0 78.5 117.7





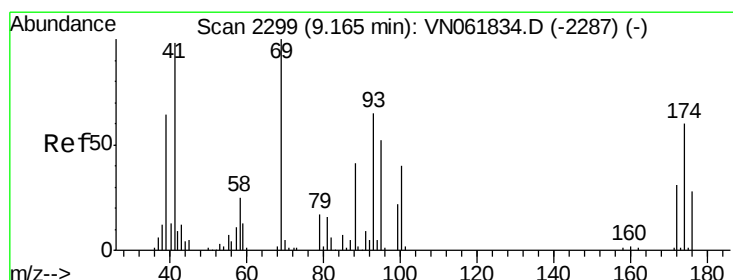
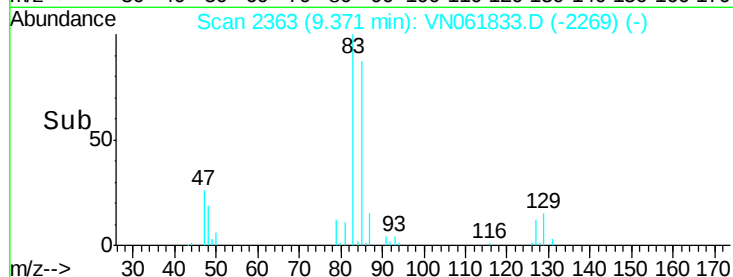
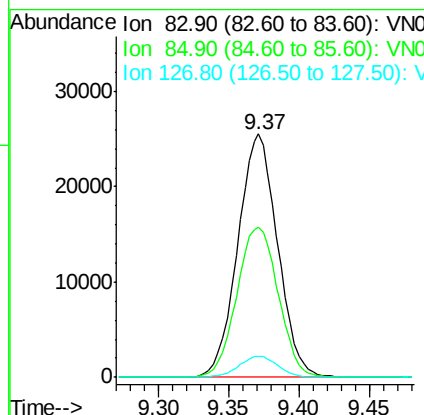
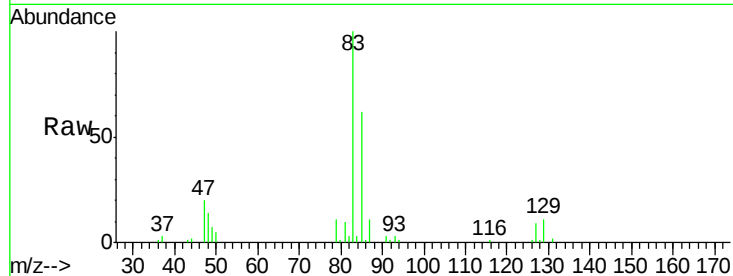
#47
Bromodichloromethane
Concen: 19.714 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
85	61.6	50.8	76.2
127	8.7	7.0	10.4

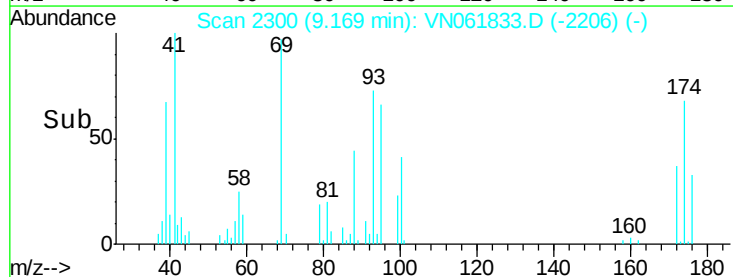
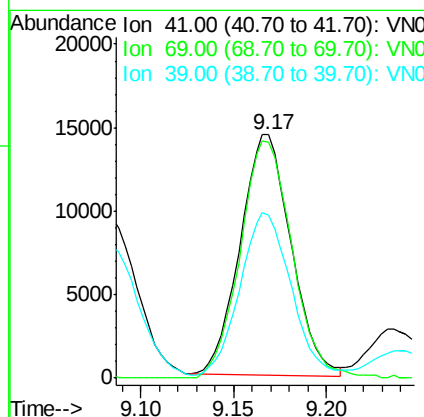
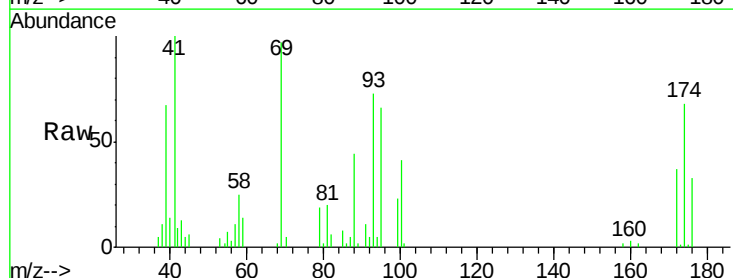
Manual Integrations
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#48
Methyl methacrylate
Concen: 18.341 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Tgt Ion	Ratio	Lower	Upper
41	100		
69	101.0	83.0	124.4
39	70.1	55.1	82.7





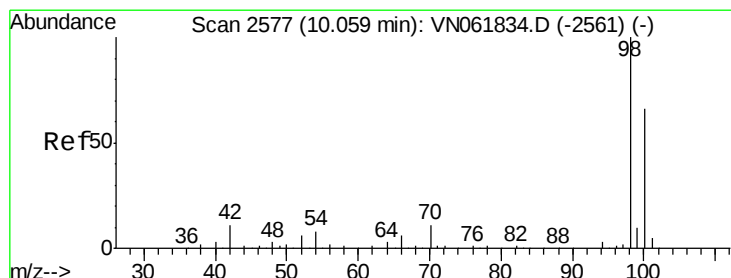
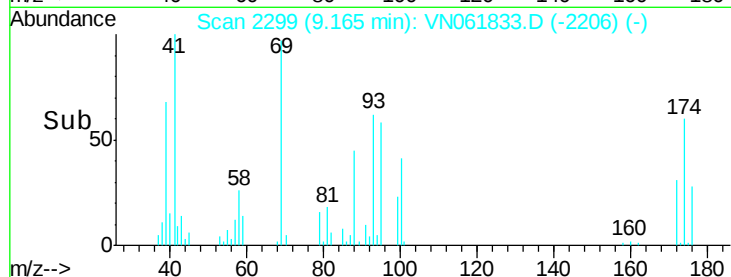
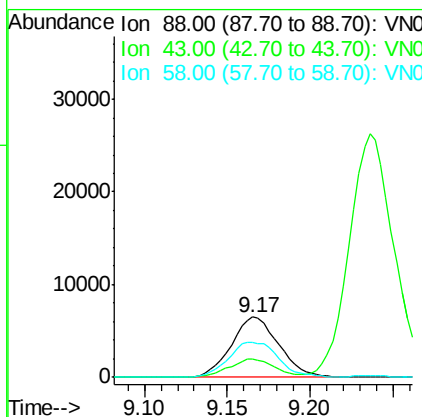
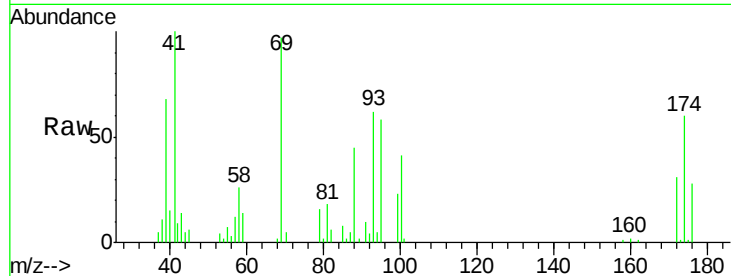
#49
1,4-Dioxane
Concen: 515.387 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.5	23.4	35.2
58	61.5	49.8	74.6

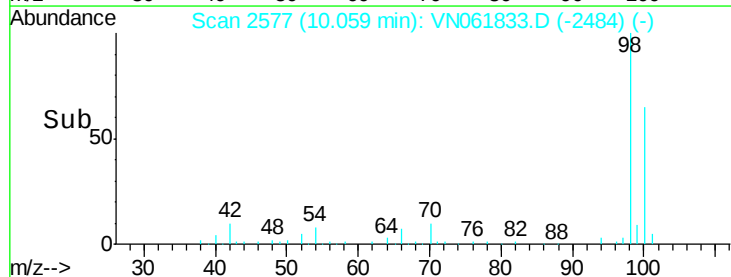
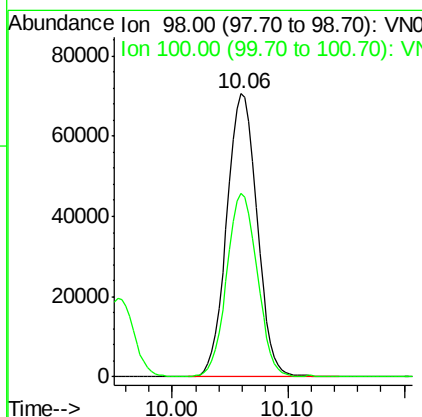
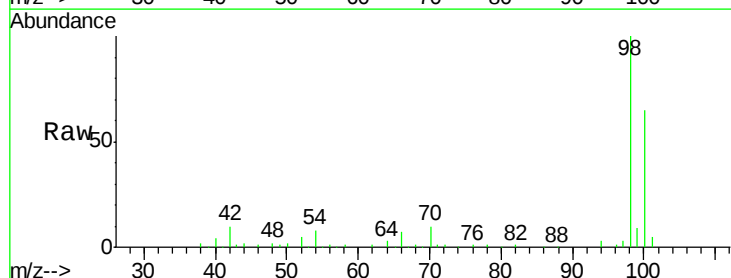
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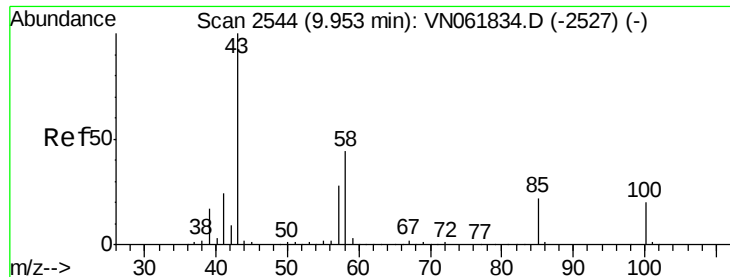
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#50
Toluene-d8
Concen: 21.031 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 97.786 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 183165

Ion Ratio Lower Upper

43 100

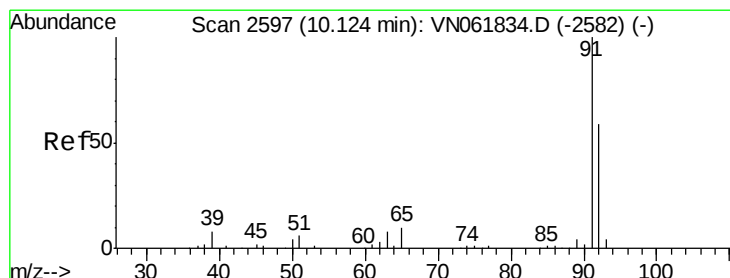
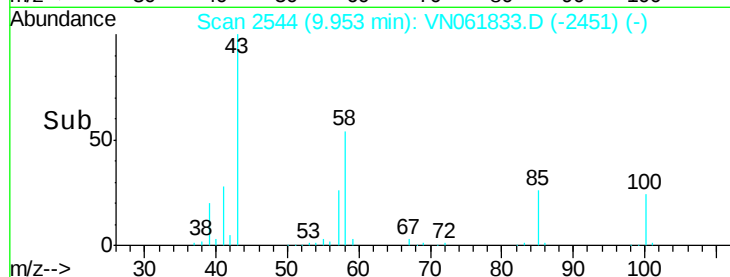
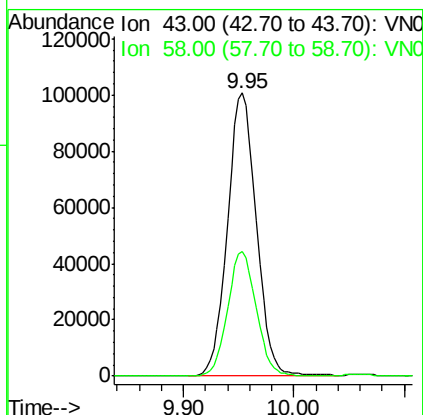
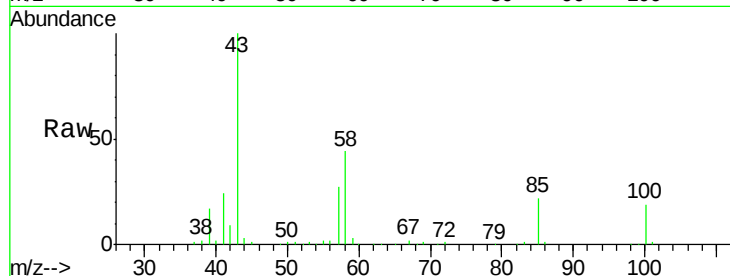
58 43.7 34.6 52.0

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#52

Toluene

Concen: 19.234 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN061833.D

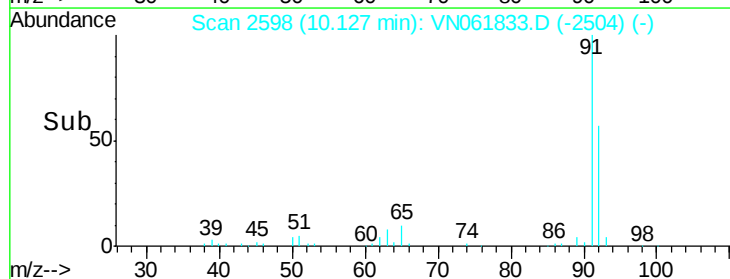
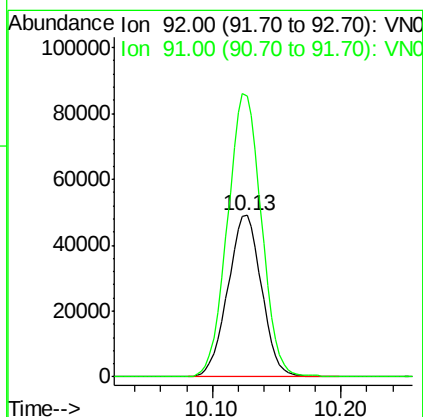
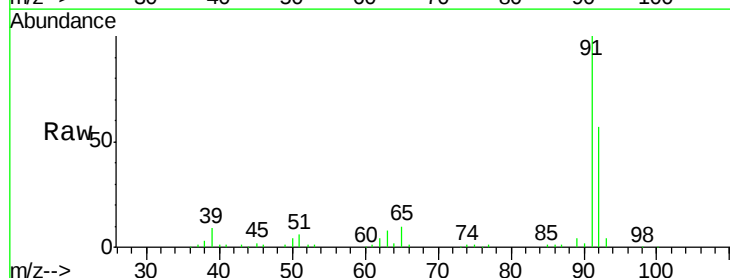
Acq: 16 Jun 2020 18:14

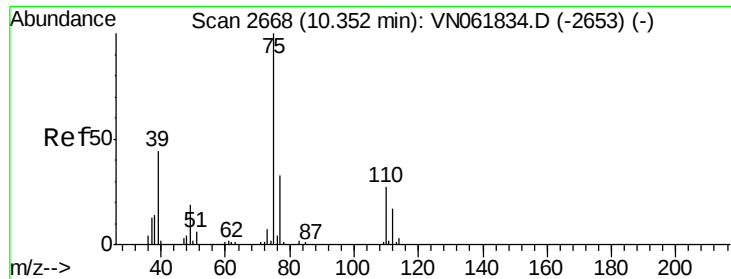
Tgt Ion: 92 Resp: 89145

Ion Ratio Lower Upper

92 100

91 176.2 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 19.416 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 75 Resp: 53414

Ion Ratio Lower Upper

75 100

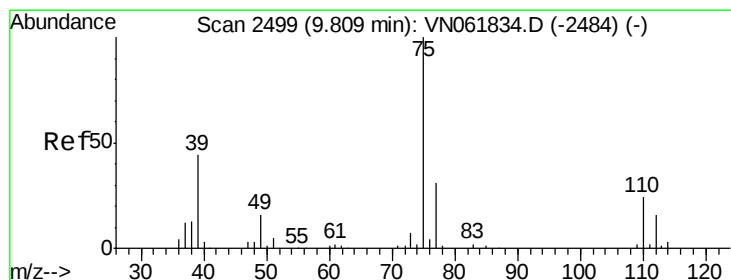
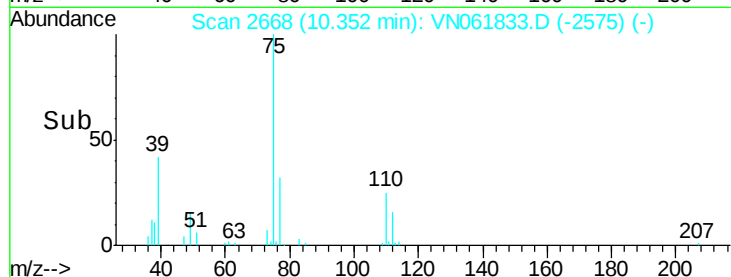
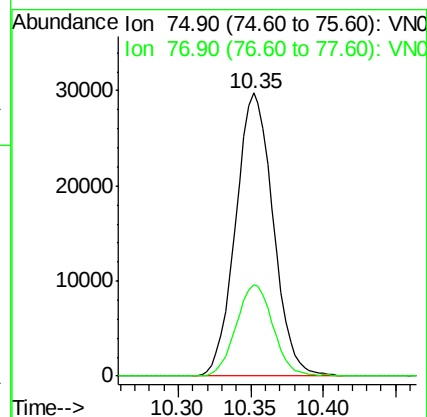
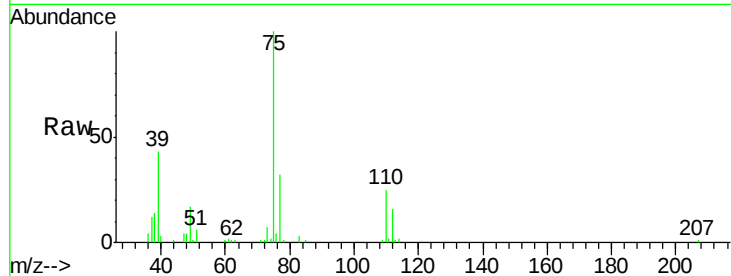
77 32.4 26.3 39.5

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#54

cis-1,3-Dichloropropene

Concen: 19.810 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

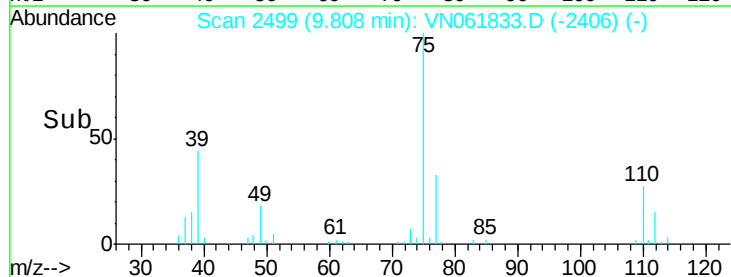
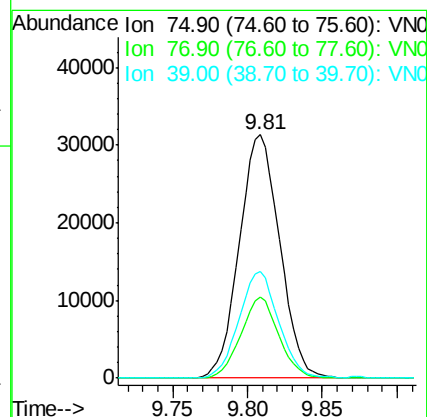
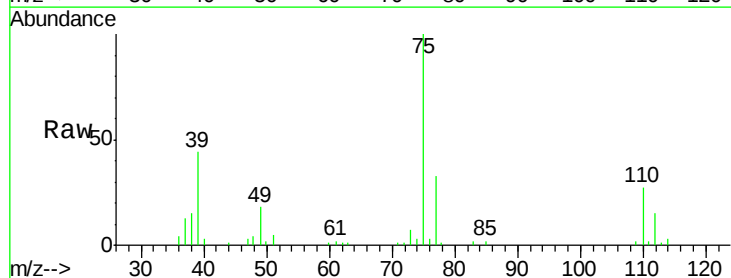
Tgt Ion: 75 Resp: 58847

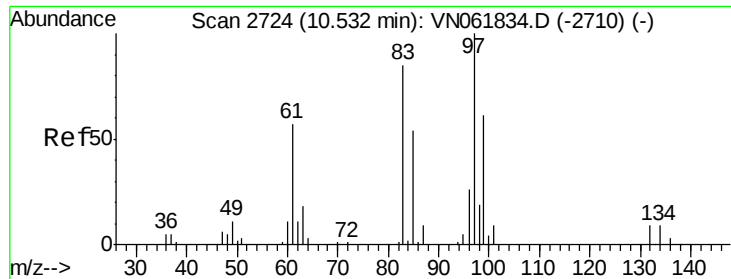
Ion Ratio Lower Upper

75 100

77 33.2 24.8 37.2

39 43.8 35.4 53.0





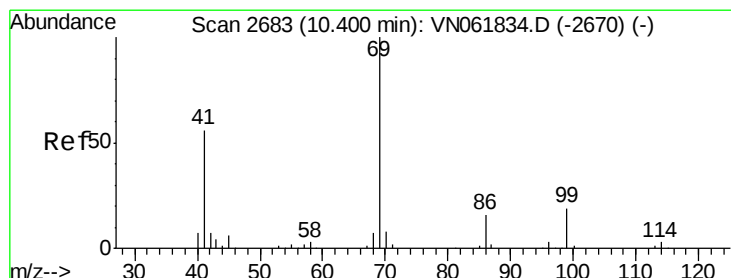
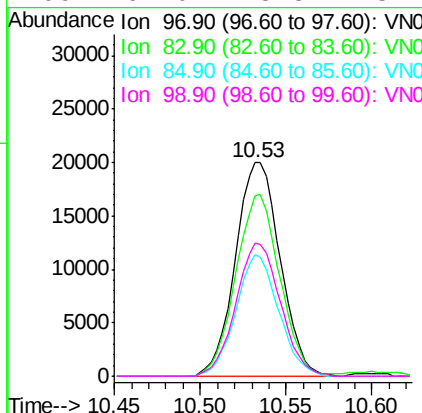
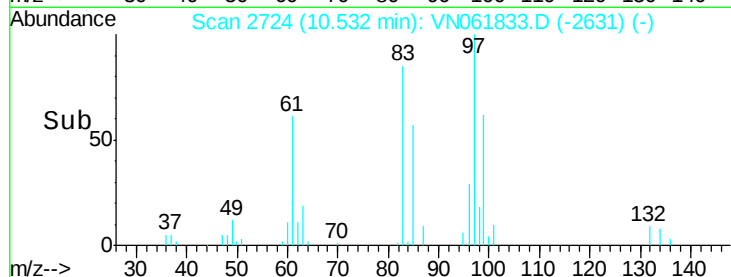
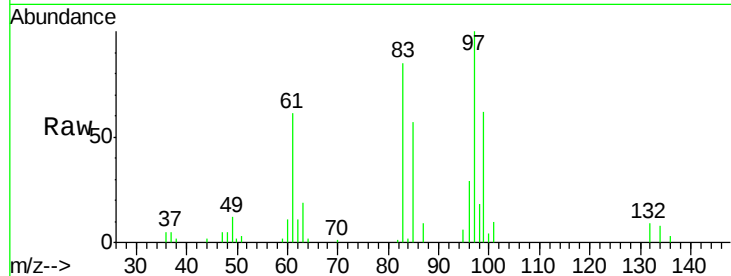
#55
 1,1,2-Trichloroethane
 Concen: 19.642 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061833.D
 Acq: 16 Jun 2020 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	36192
Ion	Ratio	Lower	Upper
97	100		
83	84.7	67.7	101.5
85	56.7	43.4	65.0
99	62.0	48.8	73.2

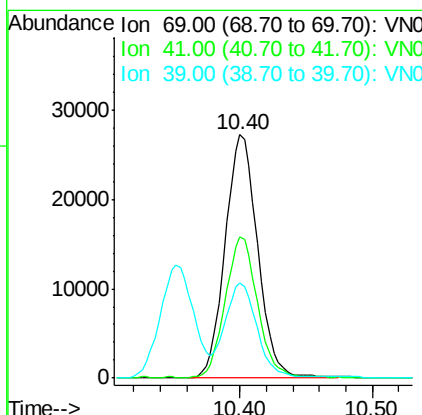
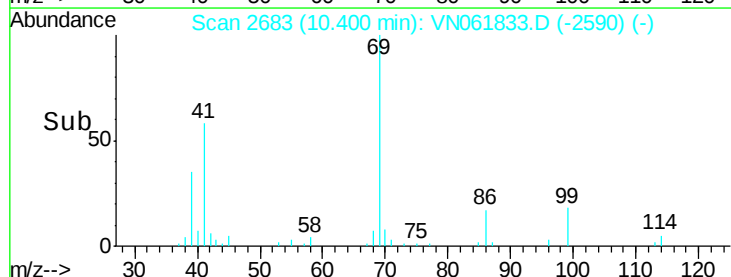
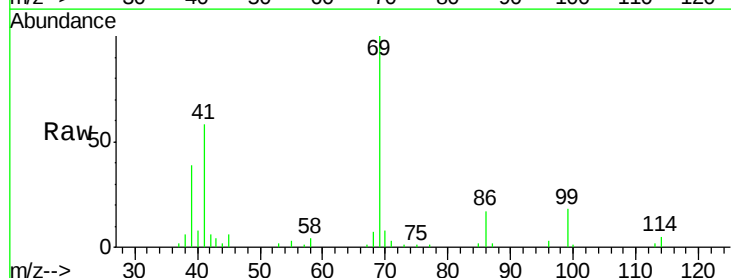
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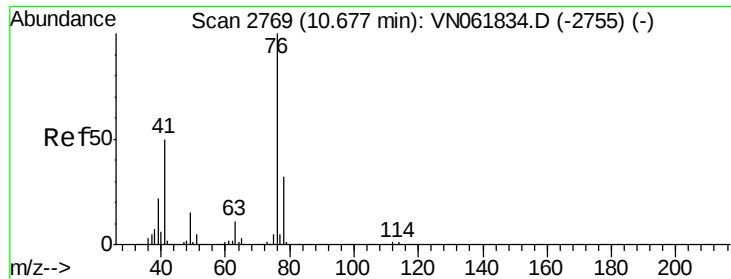
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#56
 Ethyl methacrylate
 Concen: 18.227 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN061833.D
 Acq: 16 Jun 2020 18:14

Tgt Ion:	69	Resp:	46551
Ion	Ratio	Lower	Upper
69	100		
41	57.9	44.9	67.3
39	37.4	30.0	45.0





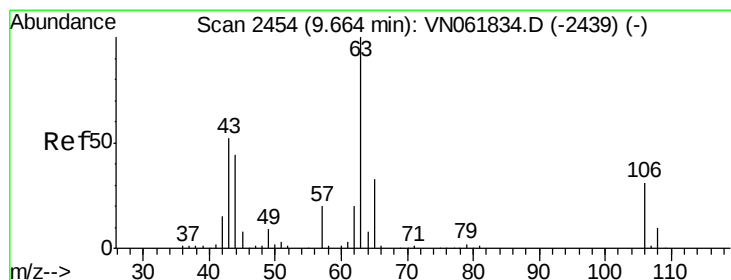
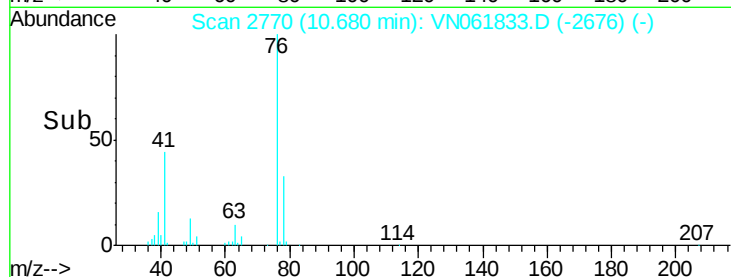
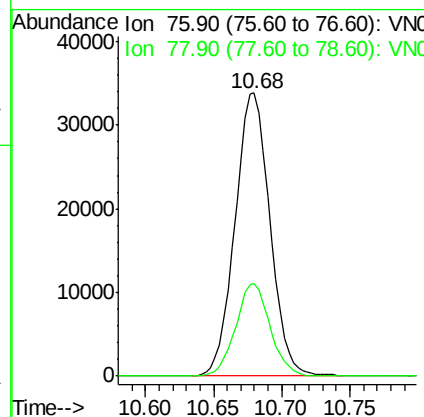
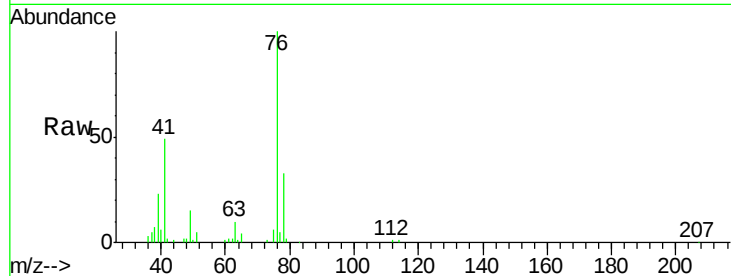
#57
 1,3-Dichloropropane
 Concen: 20.302 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN061833.D
 Acq: 16 Jun 2020 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.8	38.8

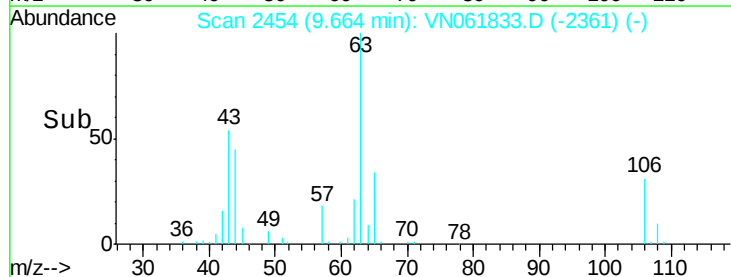
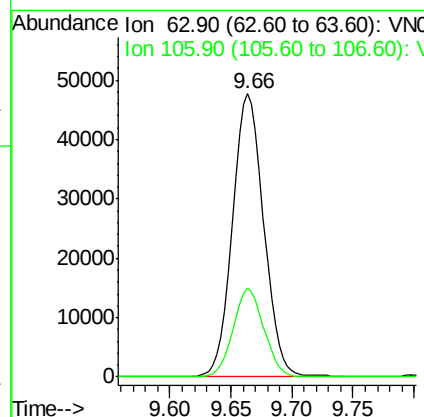
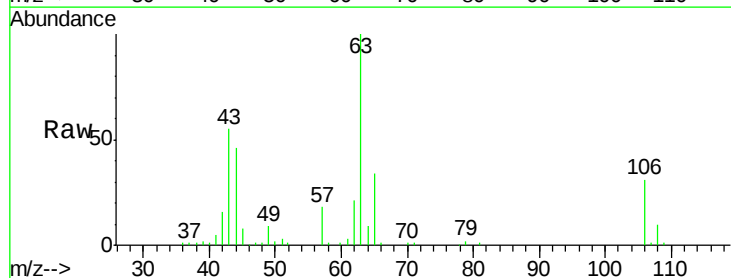
Manual Integrations
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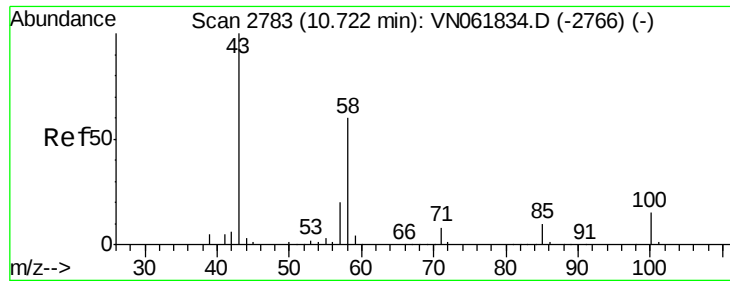
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#58
 2-Chloroethyl Vinyl ether
 Concen: 79.439 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN061833.D
 Acq: 16 Jun 2020 18:14

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.7	24.6	36.8





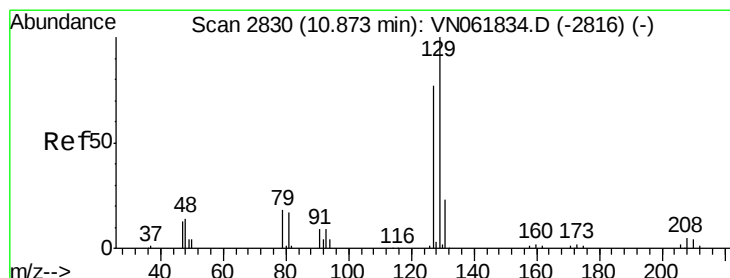
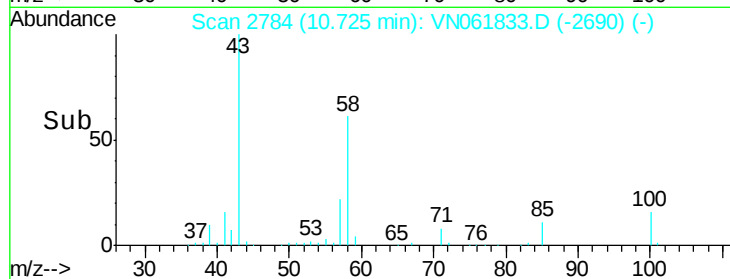
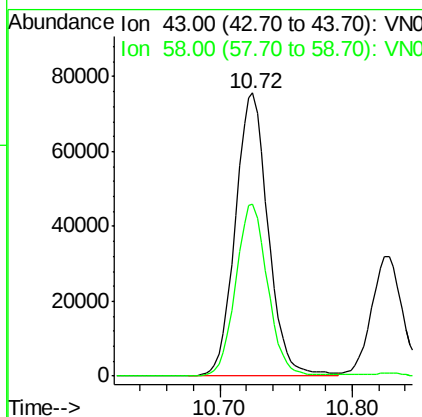
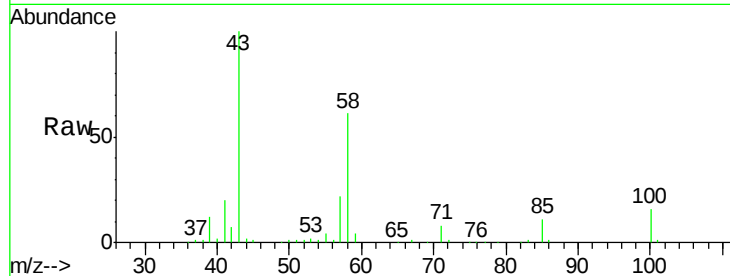
#59
2-Hexanone
Concen: 96.735 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	43	58	Ratio	Lower	Upper
130142	100	59.3		30.1	90.5

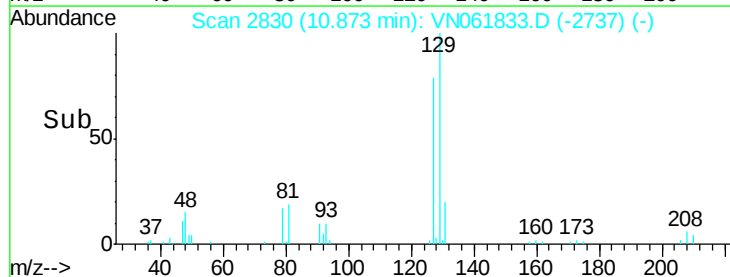
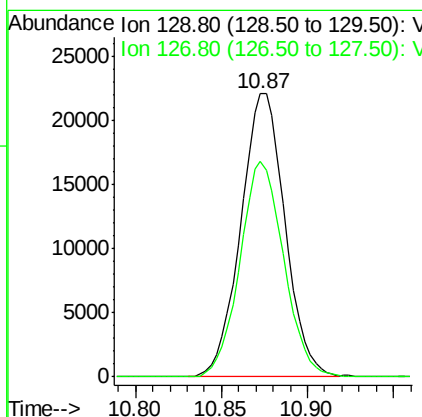
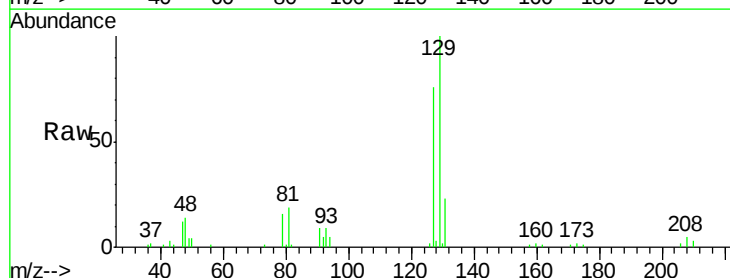
Manual Integrations
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#60
Dibromochloromethane
Concen: 19.020 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Tgt Ion	129	127	Ratio	Lower	Upper
39410	100	75.3		38.5	115.5





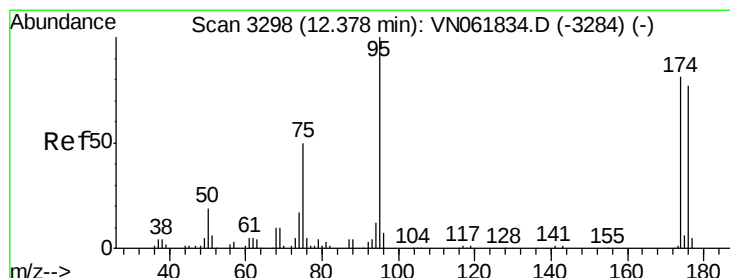
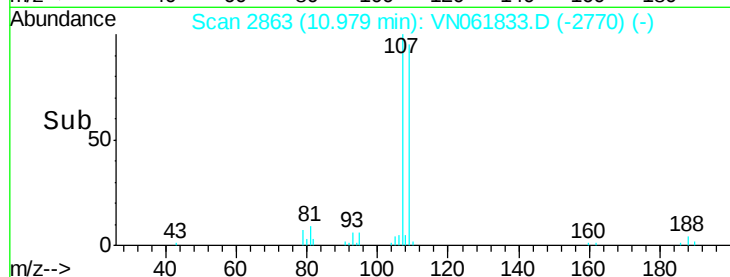
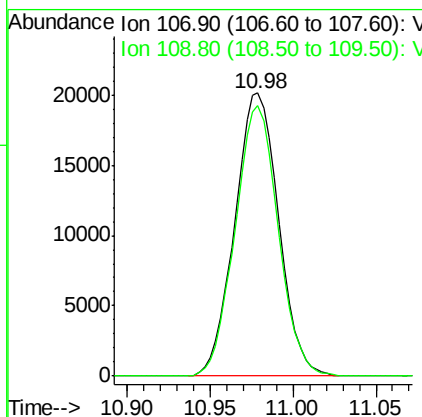
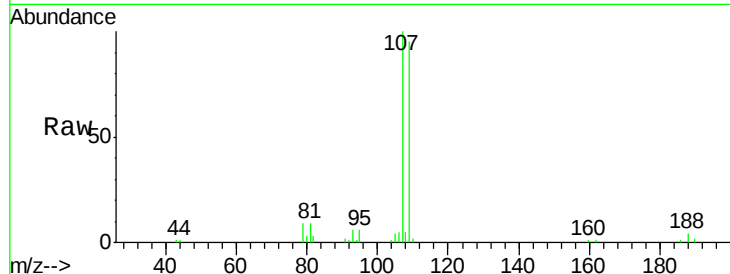
#61
 1,2-Dibromoethane
 Concen: 19.373 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN061833.D
 Acq: 16 Jun 2020 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 107 Resp: 37071
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.0 112.6

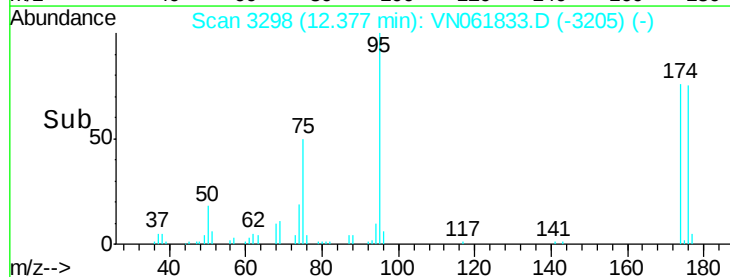
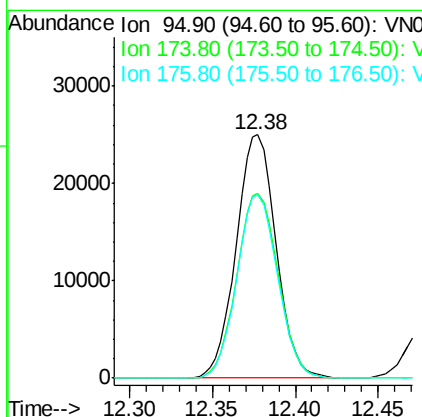
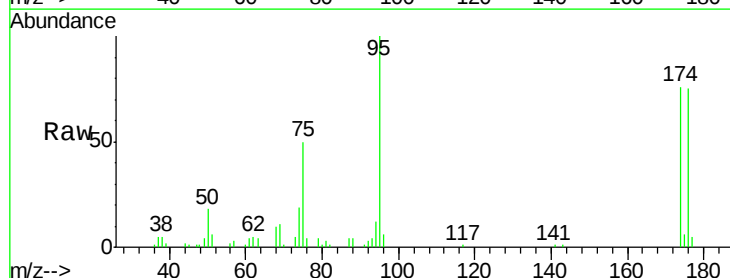
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#62
 4-Bromofluorobenzene
 Concen: 18.929 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN061833.D
 Acq: 16 Jun 2020 18:14

Tgt Ion: 95 Resp: 41854
 Ion Ratio Lower Upper
 95 100
 174 78.9 0.0 158.6
 176 76.8 0.0 152.0





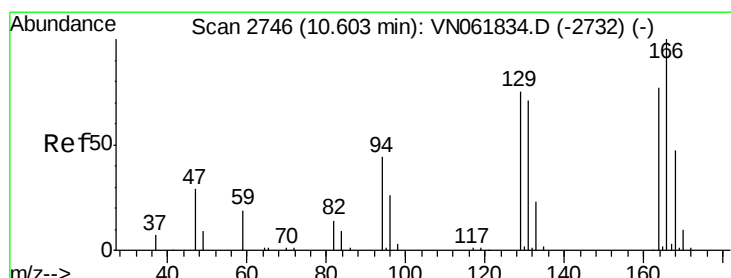
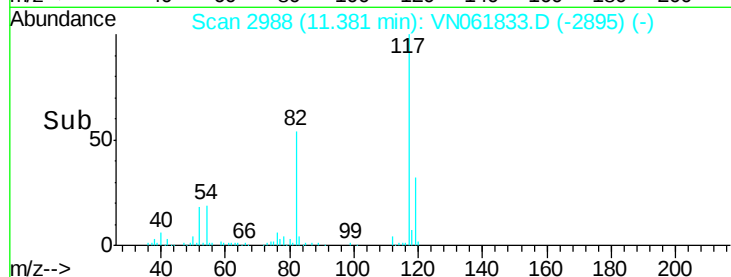
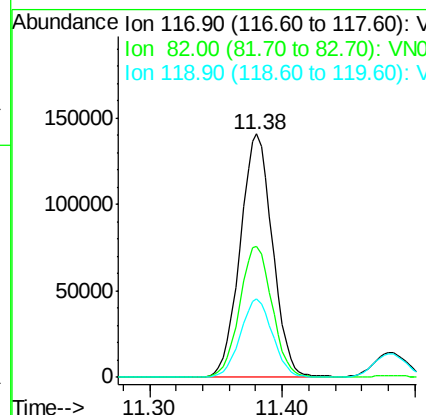
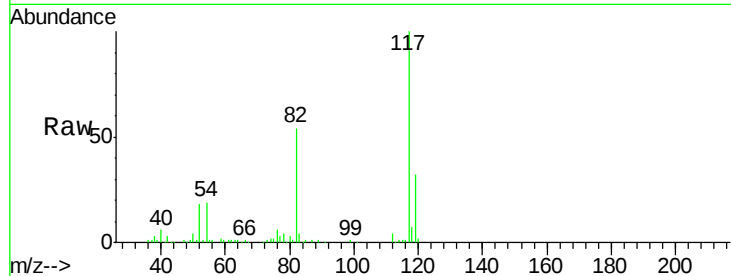
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	42.6	64.0
119	32.1	24.7	37.1

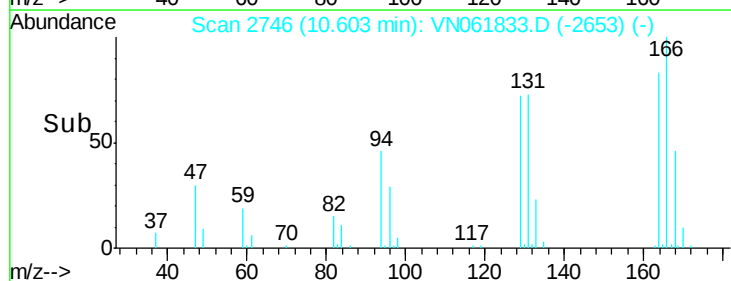
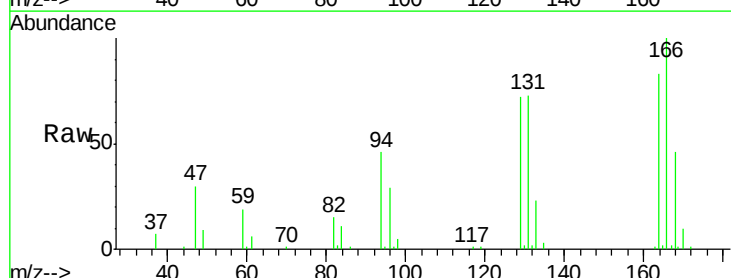
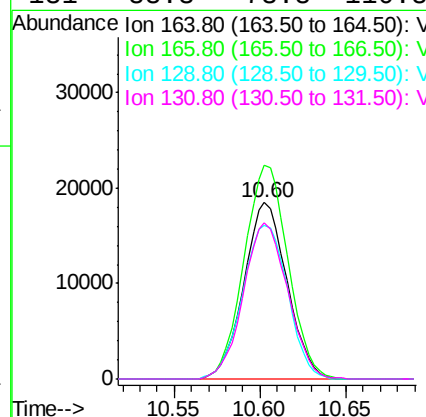
Manual Integrations
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#64
Tetrachloroethene
Concen: 15.119 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.0	103.5	155.3
129	87.2	77.5	116.3
131	88.3	73.8	110.8





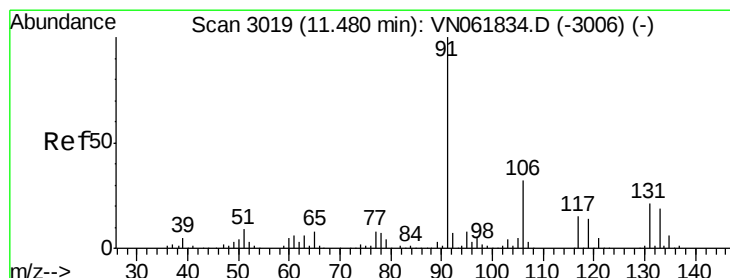
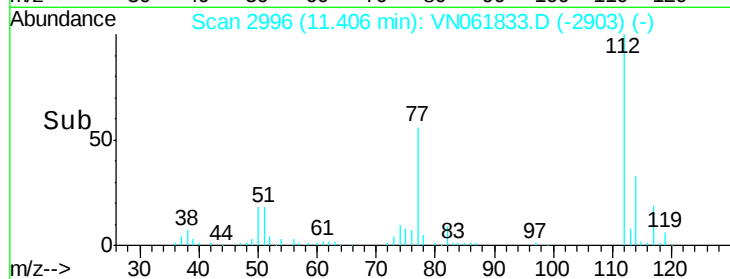
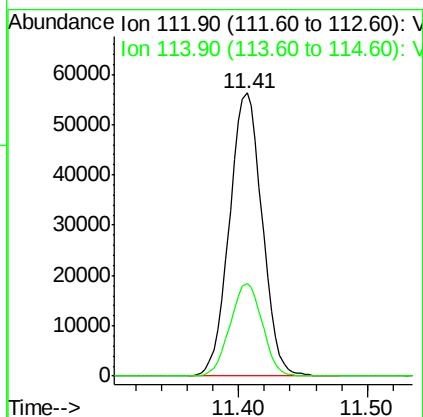
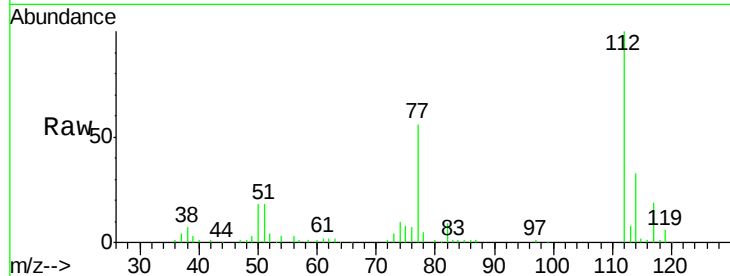
#65
Chlorobenzene
Concen: 19.935 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 99256
Ion Ratio Lower Upper
112 100
114 33.0 25.8 38.6

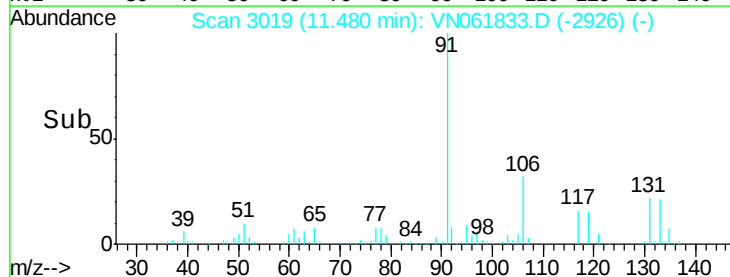
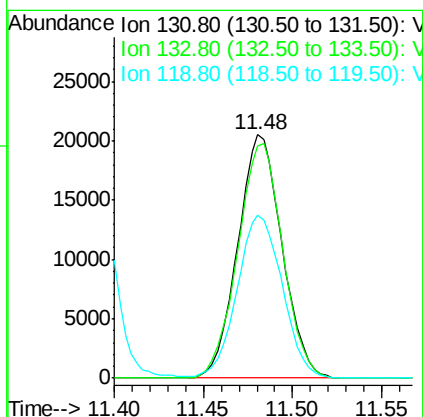
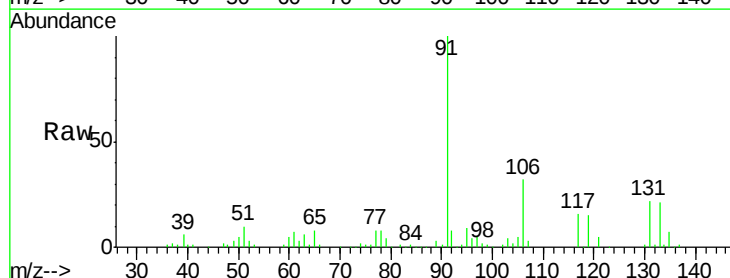
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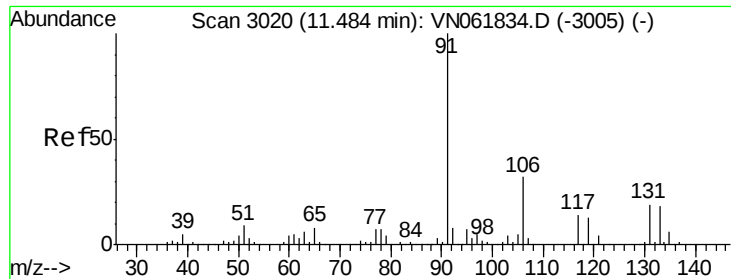
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.262 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Tgt Ion:131 Resp: 35496
Ion Ratio Lower Upper
131 100
133 98.2 47.5 142.5
119 68.4 34.0 101.8





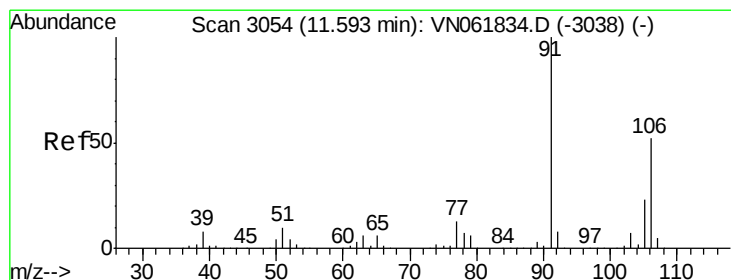
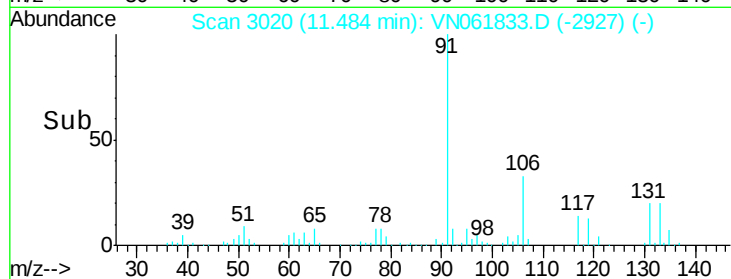
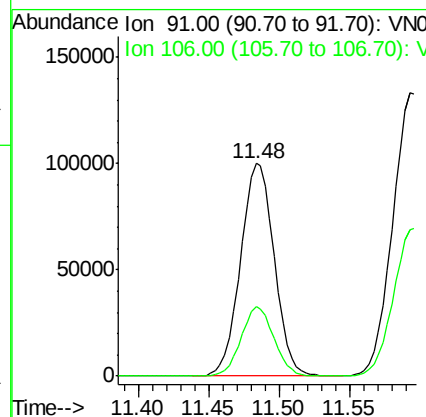
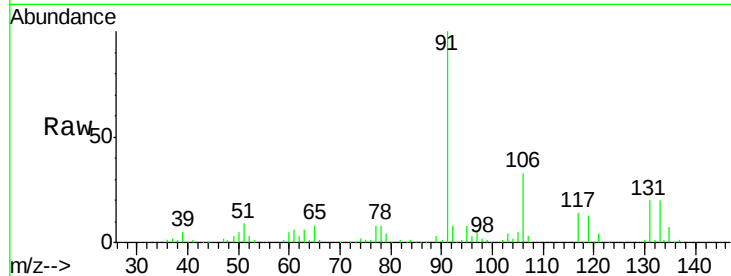
#67
Ethyl Benzene
Concen: 19.459 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 91 Resp: 167798
Ion Ratio Lower Upper
91 100
106 32.6 25.4 38.2

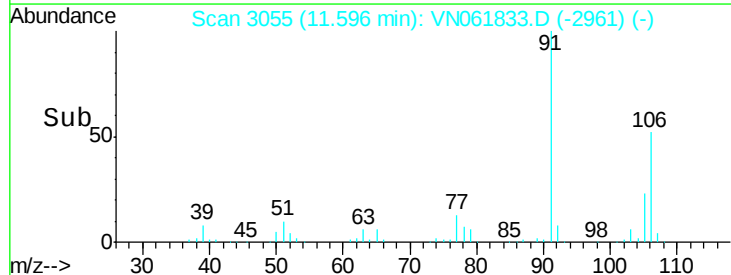
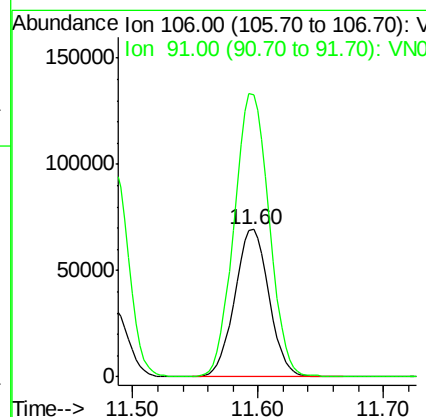
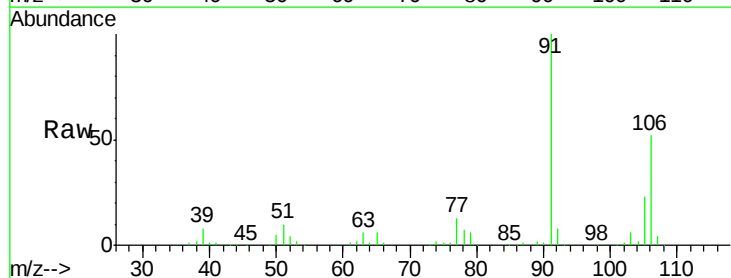
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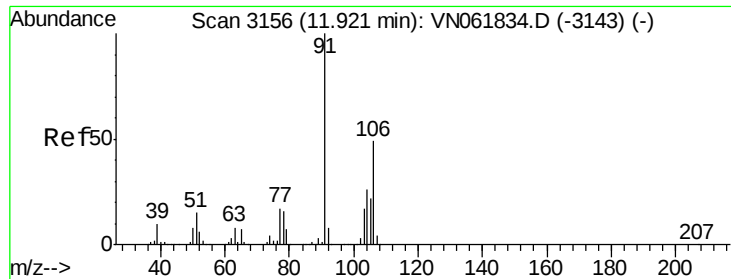
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#68
m/p-Xylenes
Concen: 38.652 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Tgt Ion: 106 Resp: 131692
Ion Ratio Lower Upper
106 100
91 196.6 157.0 235.6





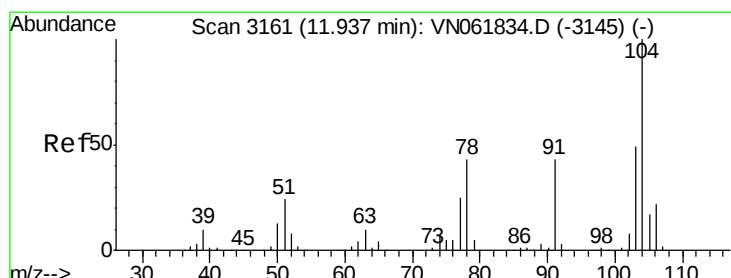
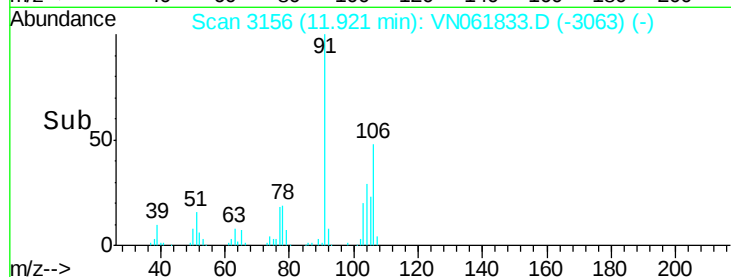
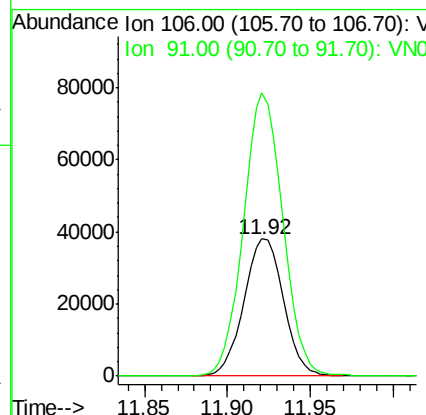
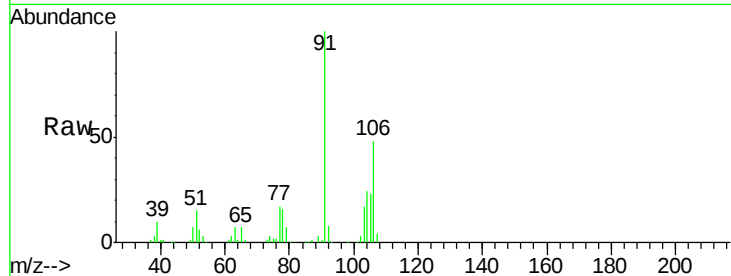
#69
o-Xylene
Concen: 19.564 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 63388
Ion Ratio Lower Upper
106 100
91 204.9 103.0 308.9

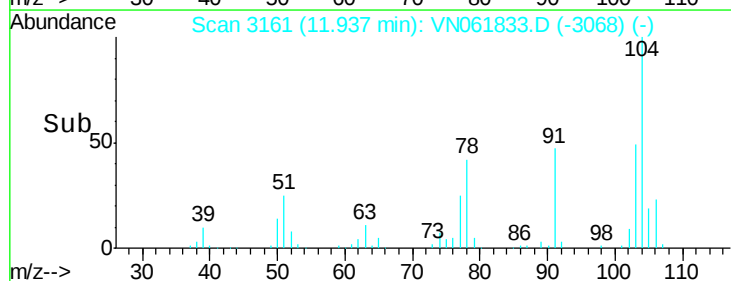
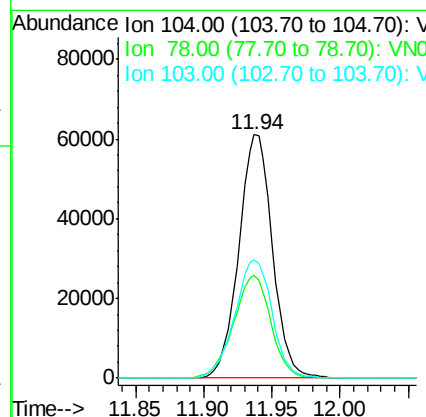
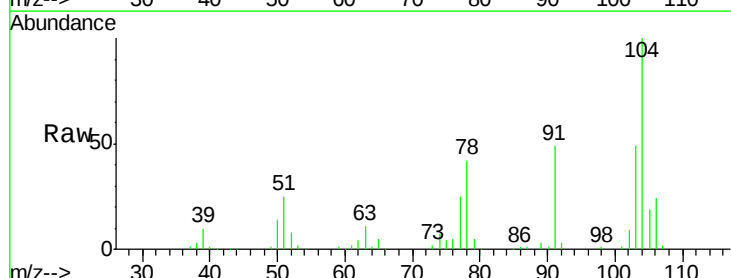
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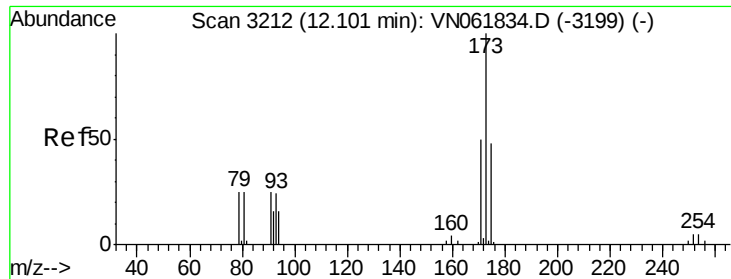
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#70
Styrene
Concen: 19.442 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Tgt Ion:104 Resp: 104430
Ion Ratio Lower Upper
104 100
78 46.8 37.6 56.4
103 54.1 43.0 64.4





#71

Bromoform

Concen: 18.113 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 25438

Ion Ratio Lower Upper

173 100

175 47.4 23.9 71.7

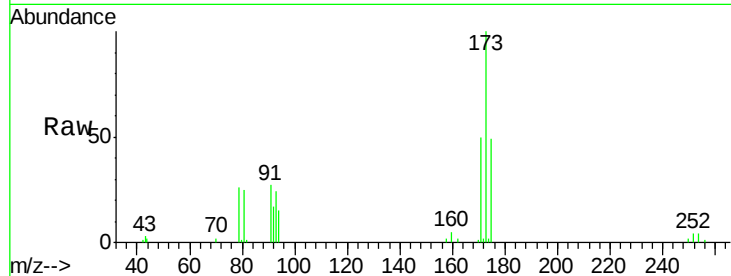
254 0.0 0.0 0.0

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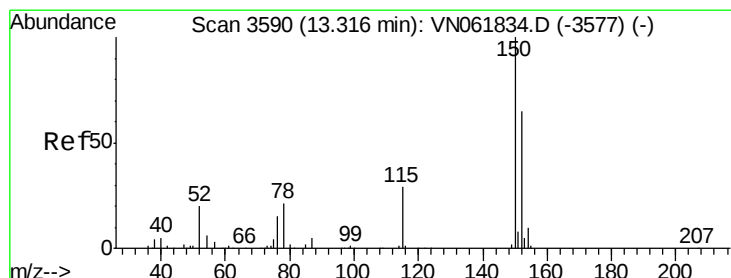
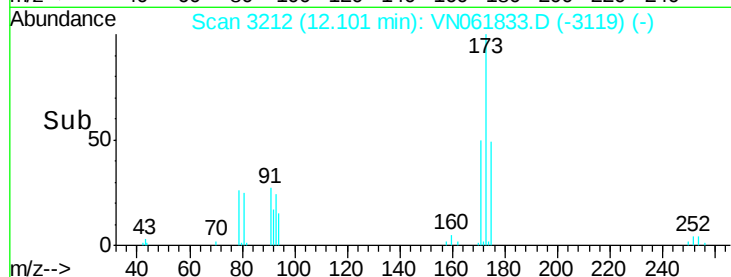
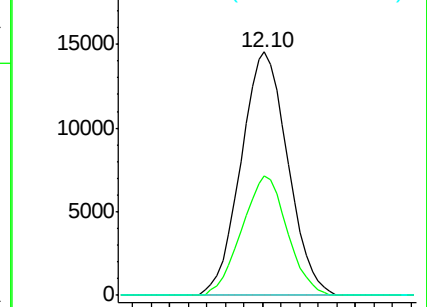
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Abundance Ion 172.70 (172.40 to 173.40): V

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: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

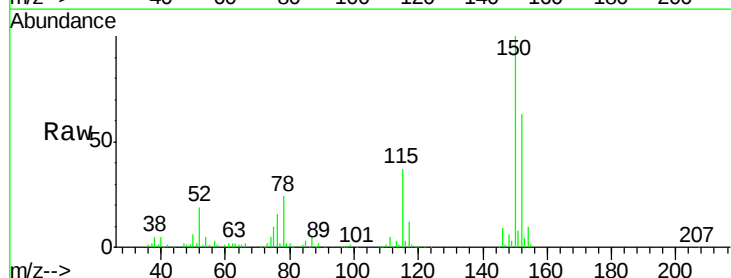
Tgt Ion:152 Resp: 112871

Ion Ratio Lower Upper

152 100

115 58.7 29.1 87.3

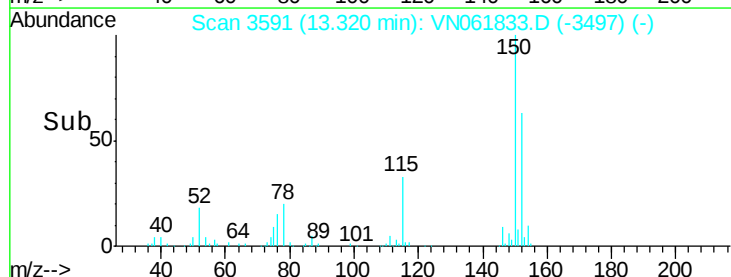
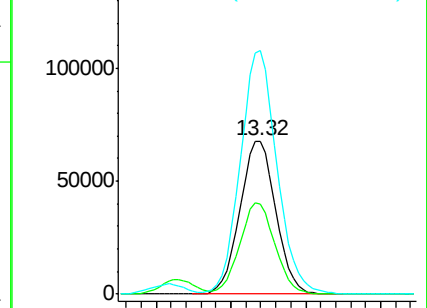
150 163.1 0.0 347.6

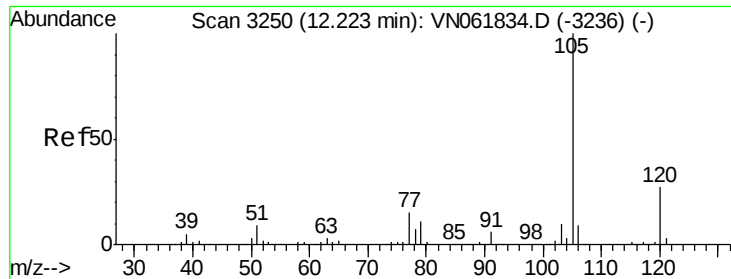


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.798 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 164197

Ion Ratio Lower Upper

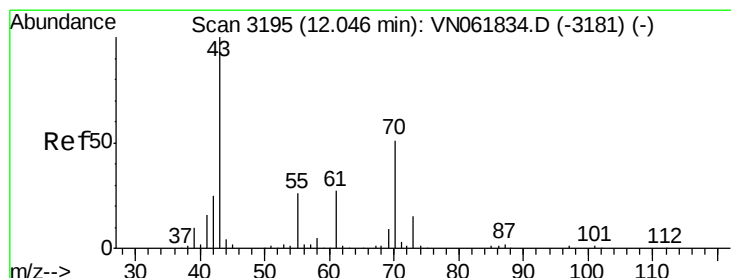
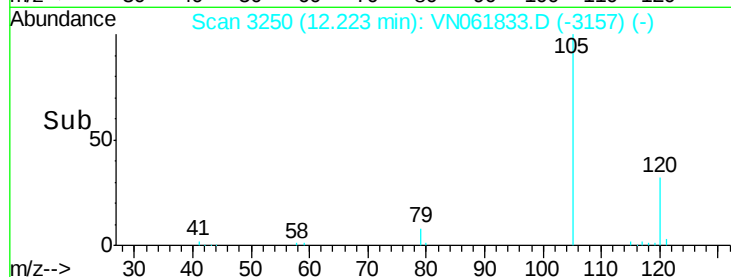
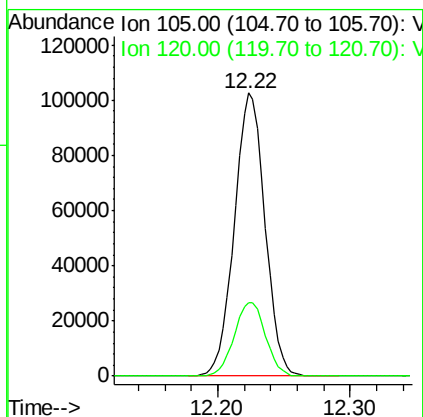
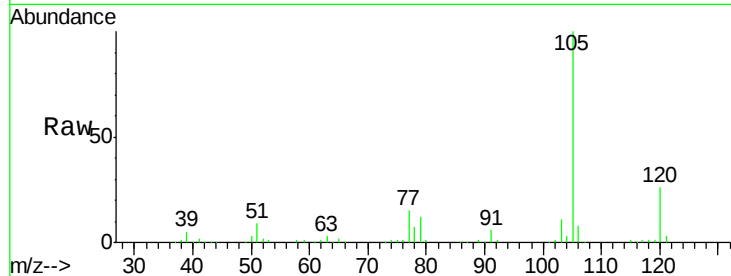
105 100

120 26.6 13.3 39.8

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#74

N-ethyl acetate

Concen: 19.160 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Tgt Ion: 43 Resp: 50097

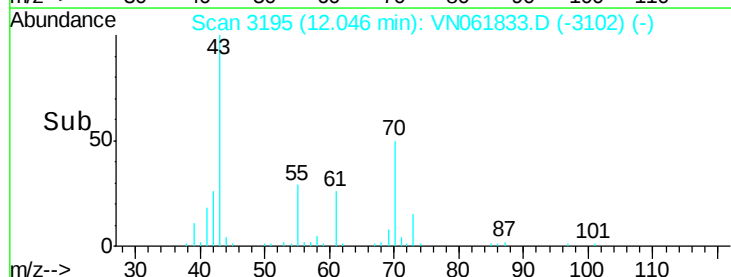
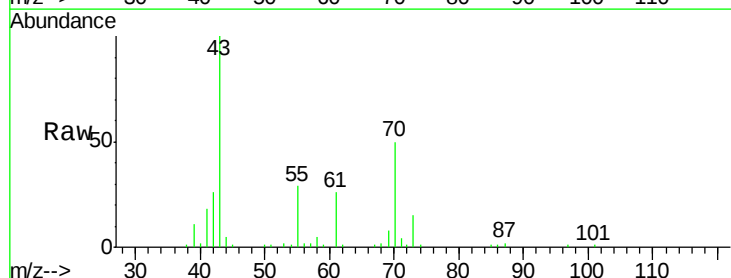
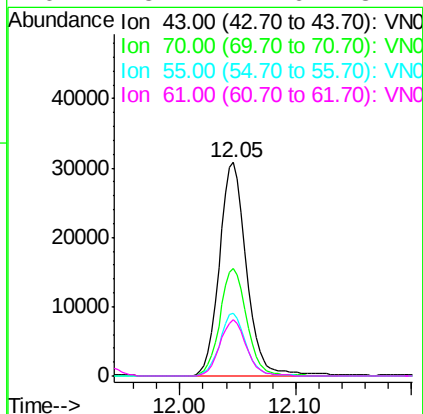
Ion Ratio Lower Upper

43 100

70 49.3 40.6 60.8

55 27.8 21.5 32.3

61 25.7 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.646 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Instrument :

MSVOA_N

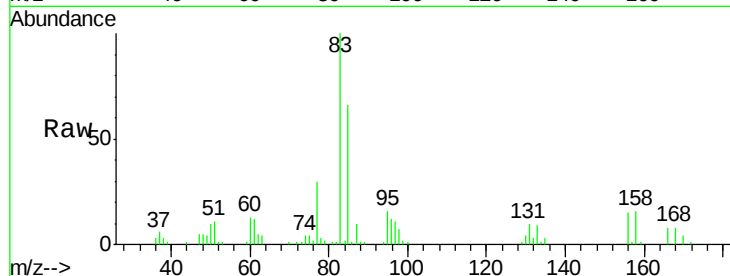
ClientSampleId :

VSTDIC020

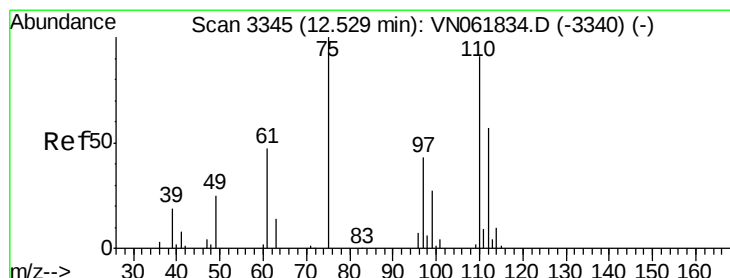
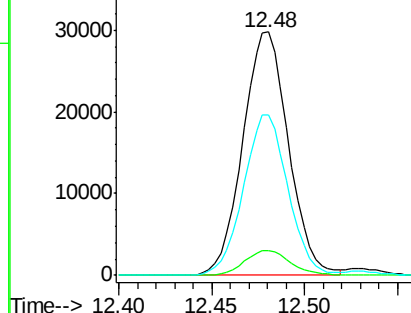
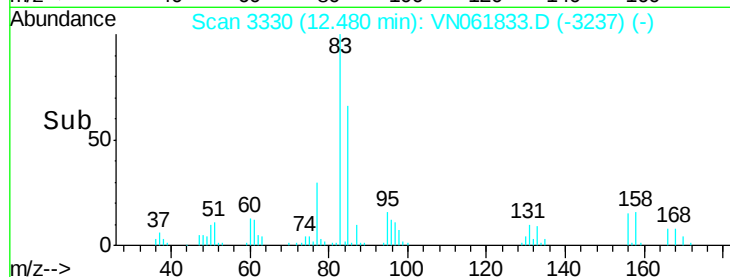
Tot Ion:	83	Resp:	51087
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.0	15.0
85	64.0	32.4	97.2

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN061833.D (-3237) (-)



#76

1,2,3-Trichloropropane

Concen: 21.772 ug/l m

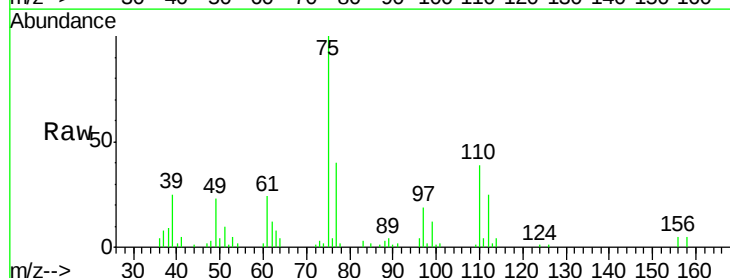
RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

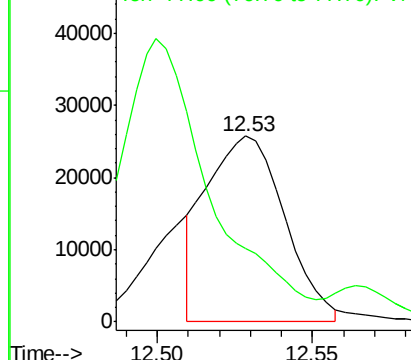
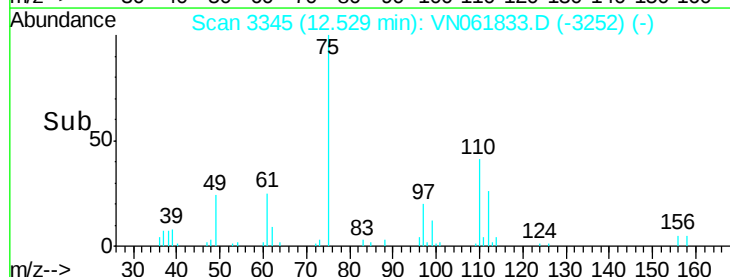
Lab File: VN061833.D

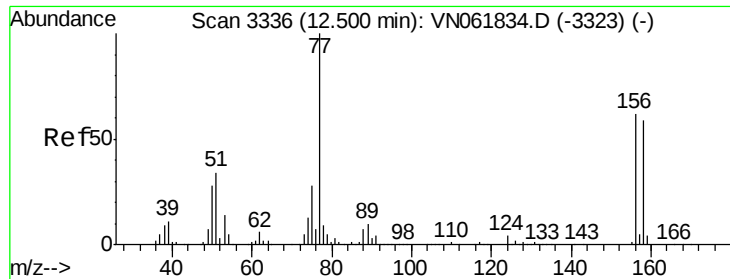
Acq: 16 Jun 2020 18:14

Tgt Ion:	75	Resp:	45223
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061833.D (-3252) (-)





#77

Bromobenzene

Concen: 18.908 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 39655

Ion Ratio Lower Upper

156 100

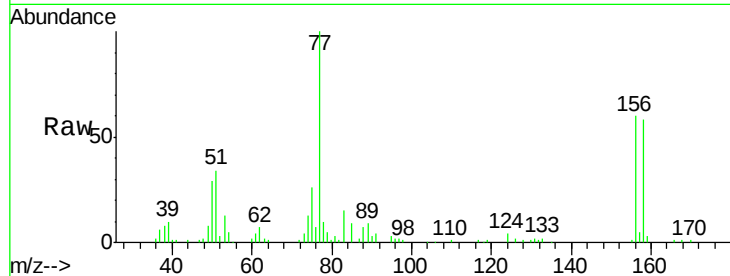
77 204.5 100.7 302.1

158 97.3 48.5 145.5

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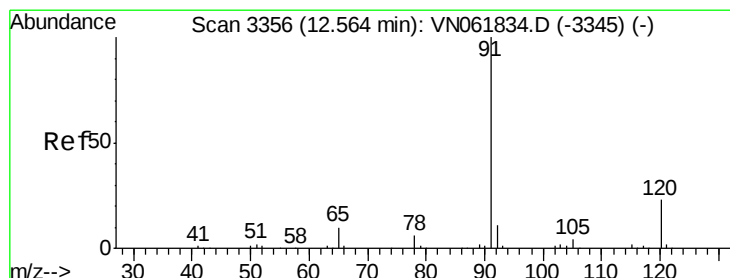
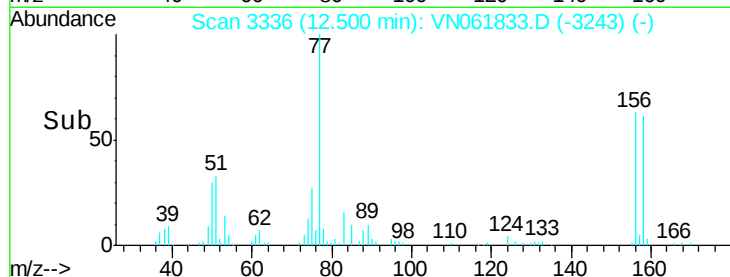
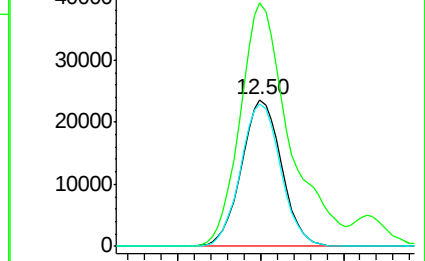
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.679 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061833.D

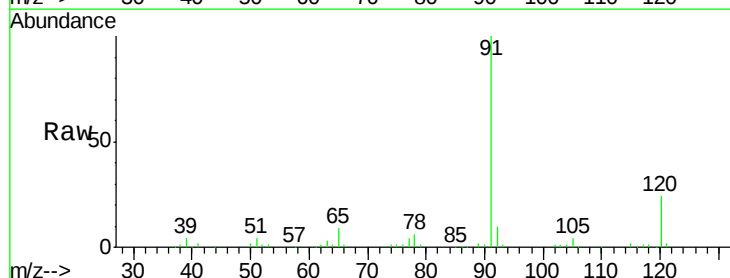
Acq: 16 Jun 2020 18:14

Tgt Ion: 91 Resp: 182597

Ion Ratio Lower Upper

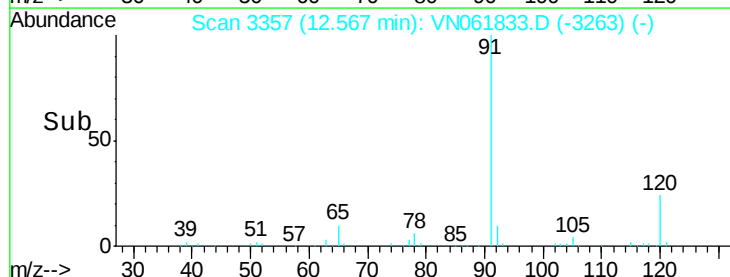
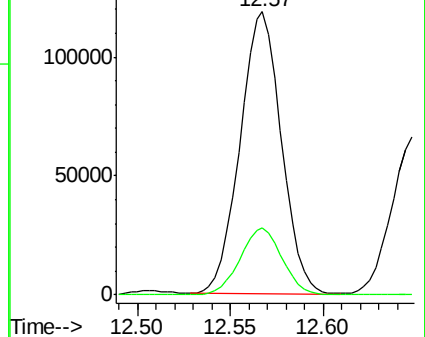
91 100

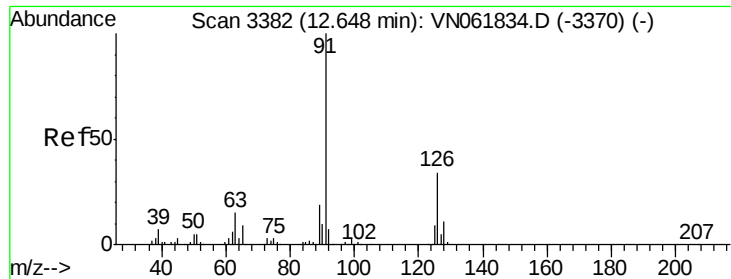
120 24.0 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.971 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 110454

Ion Ratio Lower Upper

91 100

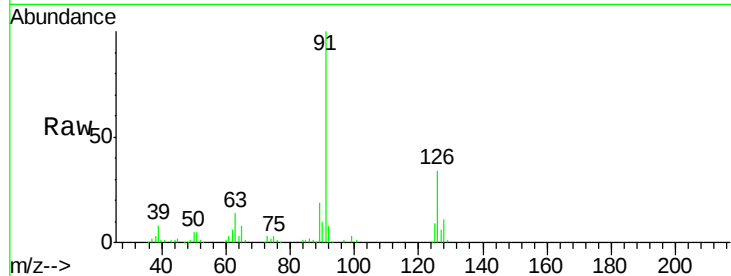
126 35.2 17.3 51.7

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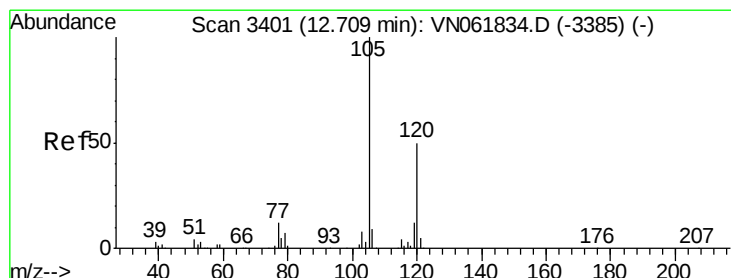
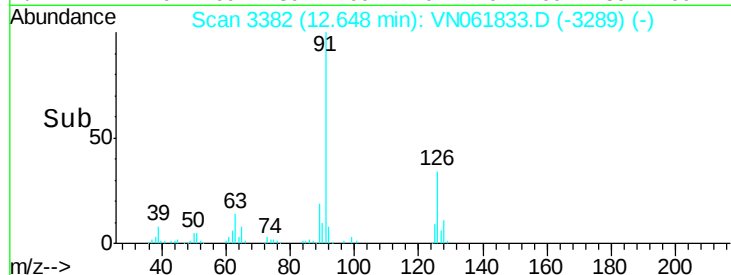
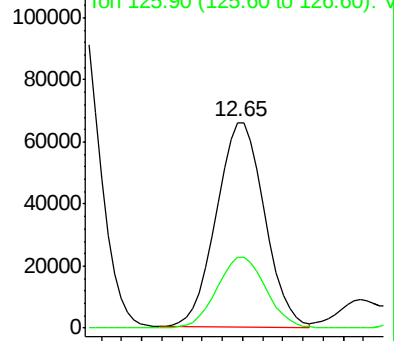
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Abundance Ion 91.00 (90.70 to 91.70): VN061833.D (-3382) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.495 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061833.D

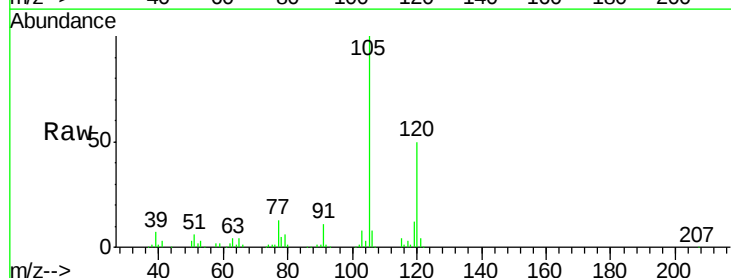
Acq: 16 Jun 2020 18:14

Tgt Ion: 105 Resp: 134941

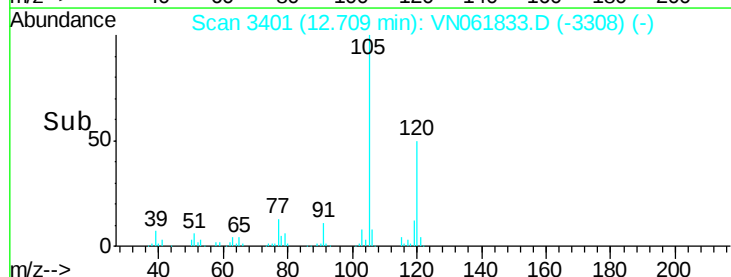
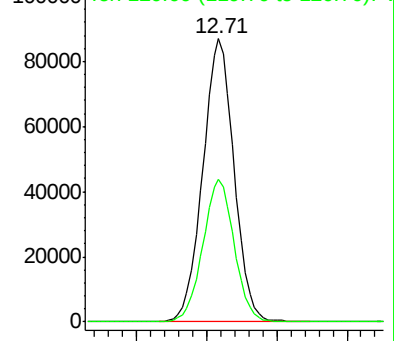
Ion Ratio Lower Upper

105 100

120 50.3 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): VN061833.D (-3401) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.367 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 15625

Ion Ratio Lower Upper

75 100

53 91.5 70.4 105.6

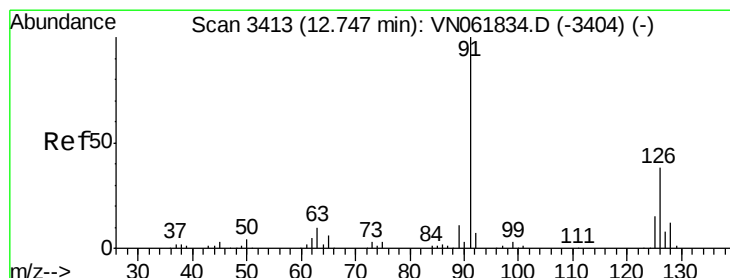
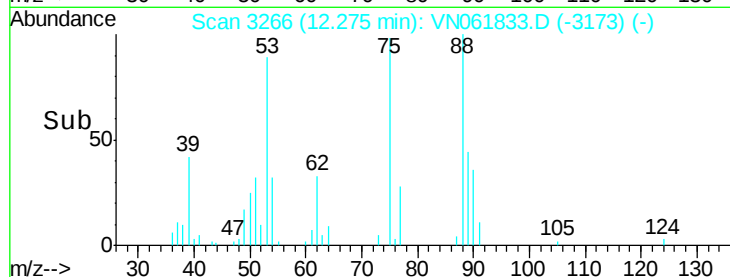
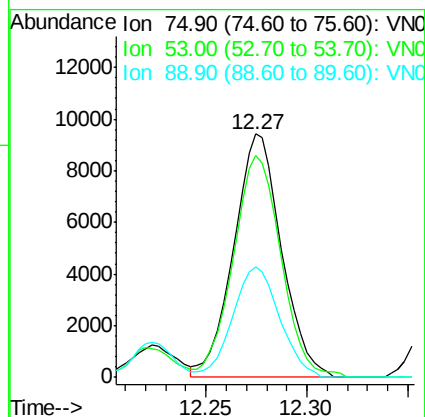
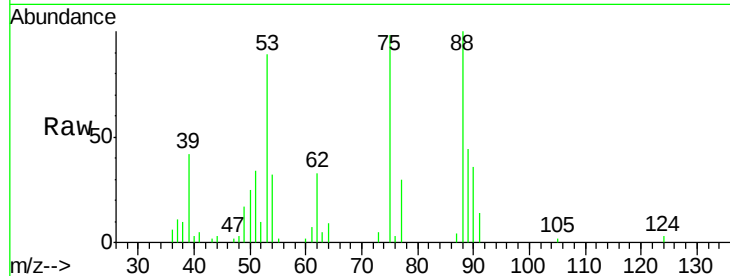
89 44.6 36.0 54.0

Manual Integrations

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#82

4-Chlorotoluene

Concen: 19.691 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN061833.D

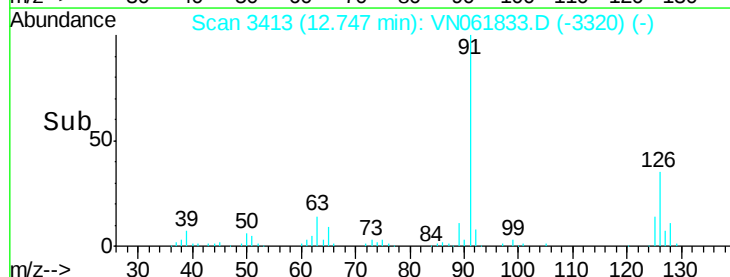
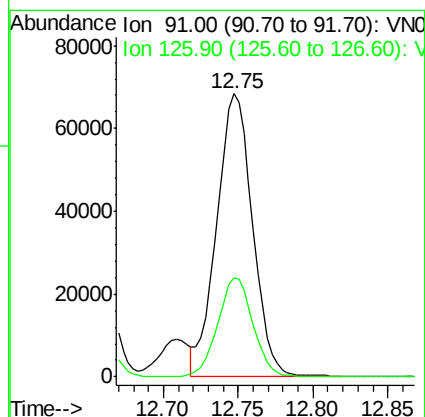
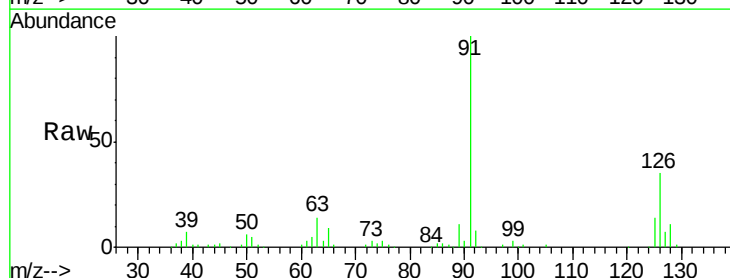
Acq: 16 Jun 2020 18:14

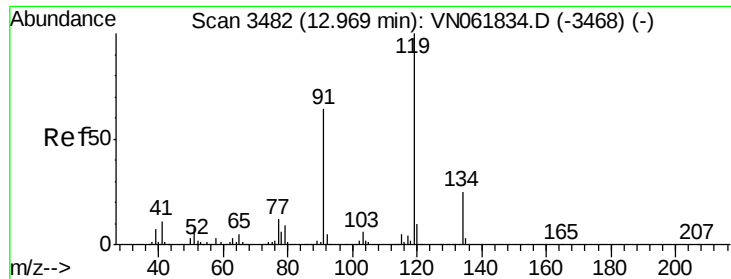
Tgt Ion: 91 Resp: 114401

Ion Ratio Lower Upper

91 100

126 34.3 17.2 51.6





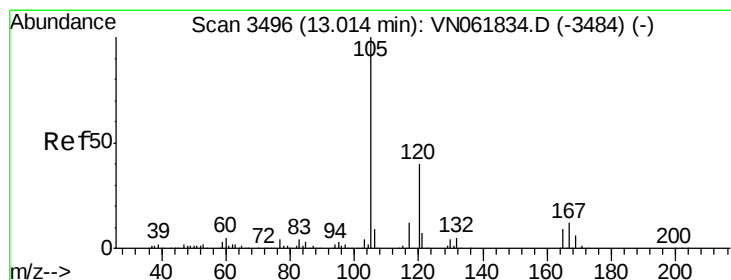
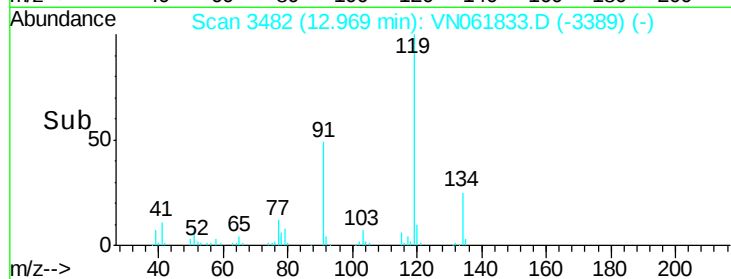
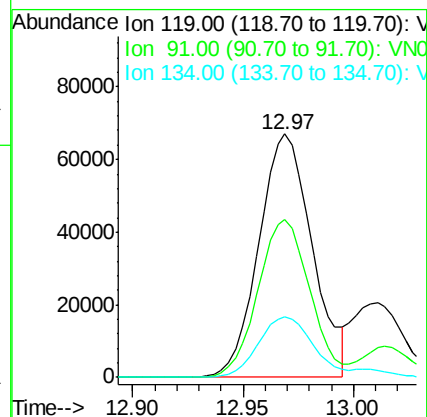
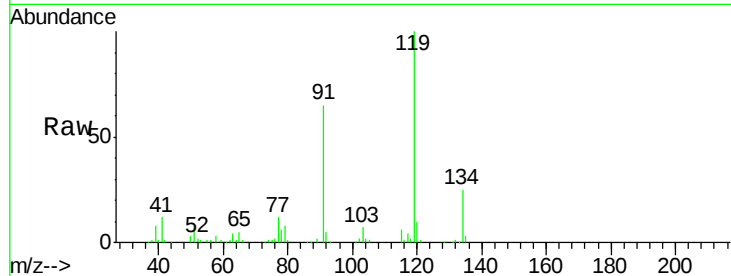
#83
tert-Butylbenzene
Concen: 18.520 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.3	31.5	94.5
134	25.3	13.3	39.9

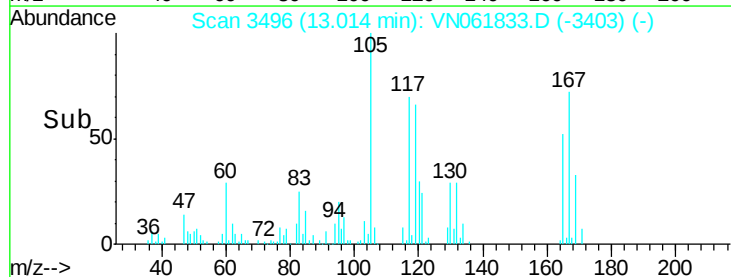
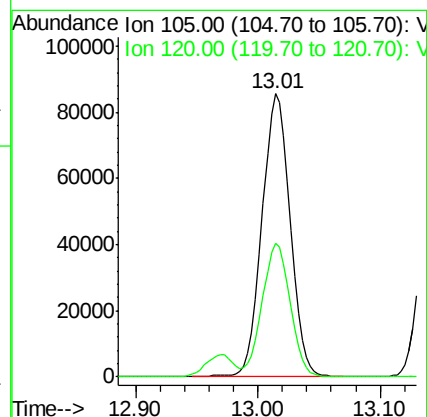
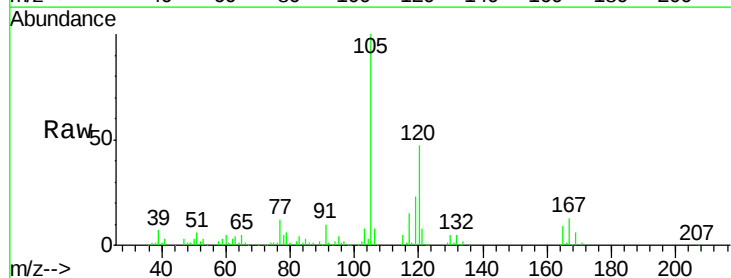
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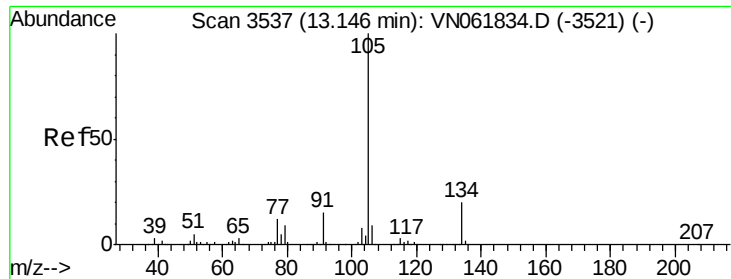
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#84
1,2,4-Trimethylbenzene
Concen: 19.862 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.3	69.9





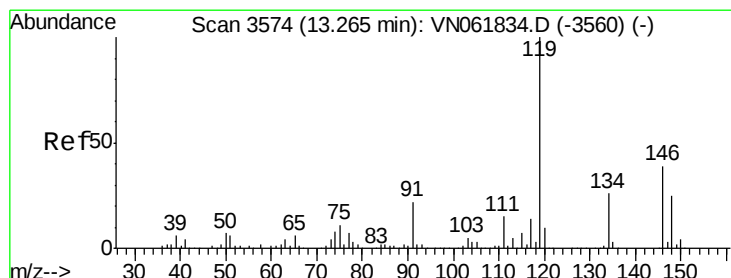
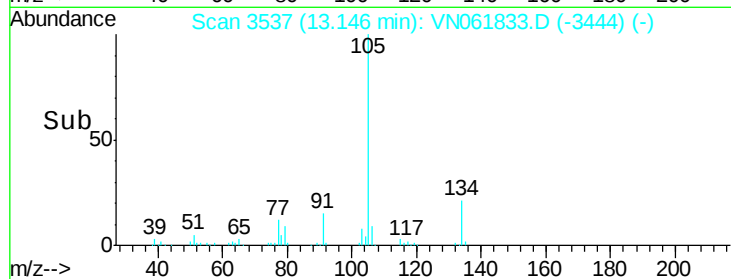
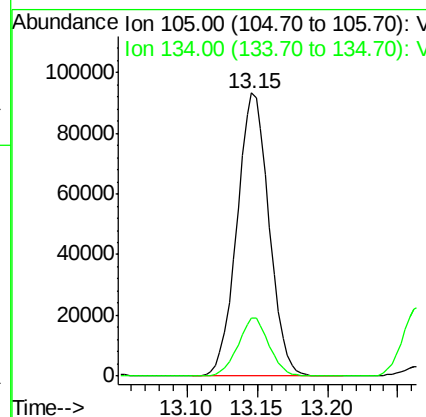
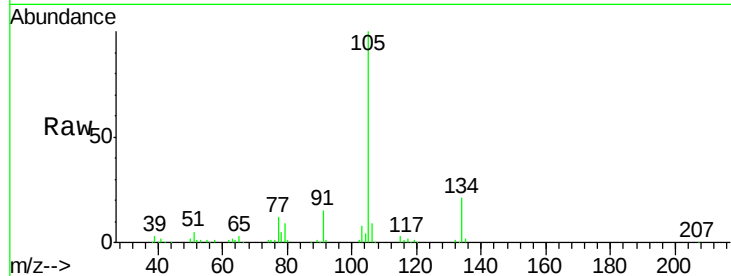
#85
 sec-Butylbenzene
 Concen: 18.942 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN061833.D
 Acq: 16 Jun 2020 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.1	30.1

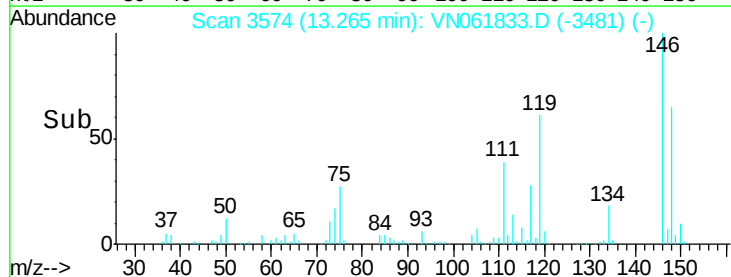
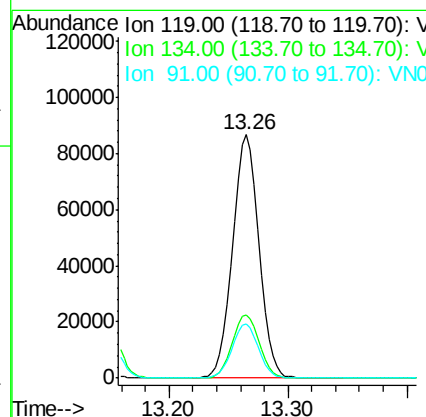
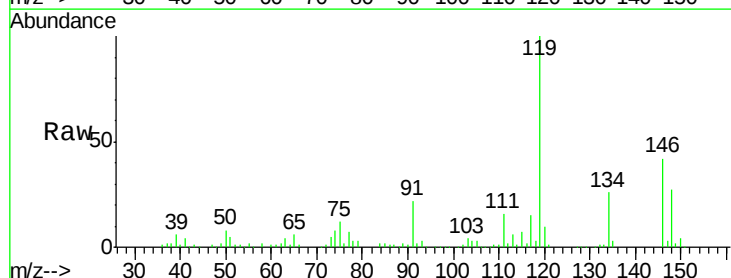
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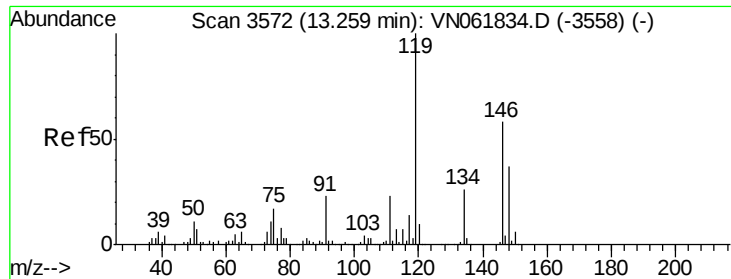
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#86
 p-Isopropyltoluene
 Concen: 18.454 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN061833.D
 Acq: 16 Jun 2020 18:14

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.3	39.9
91	22.3	11.2	33.6





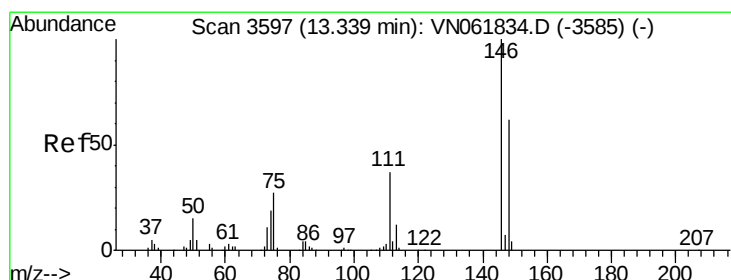
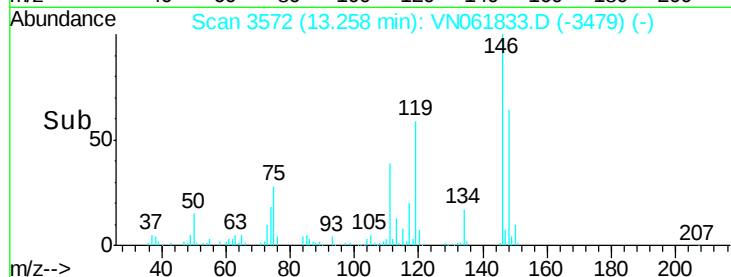
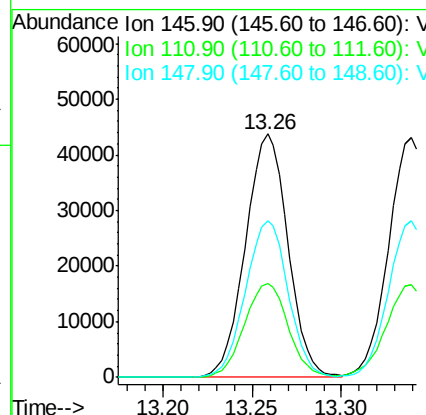
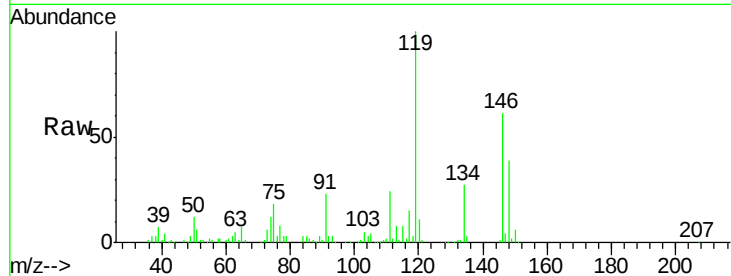
#87
 1,3-Dichlorobenzene
 Concen: 19.438 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN061833.D
 Acq: 16 Jun 2020 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.6	58.8
148	64.5	31.8	95.4

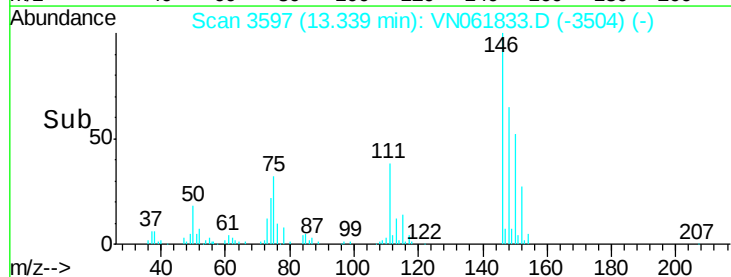
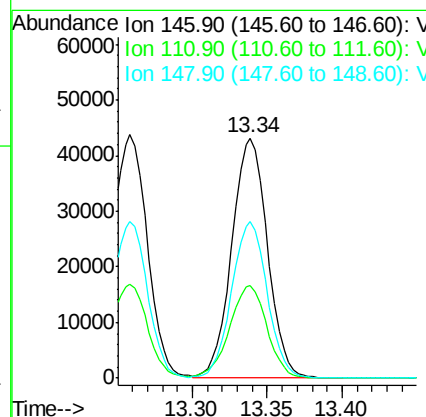
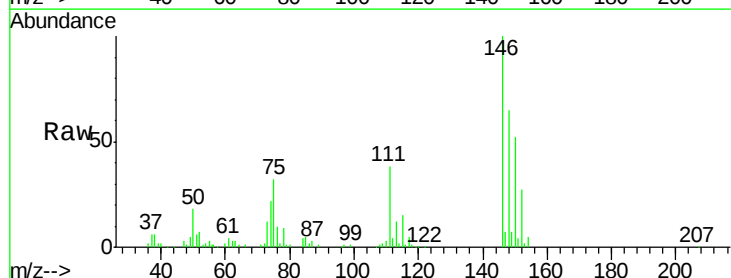
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#88
 1,4-Dichlorobenzene
 Concen: 18.843 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN061833.D
 Acq: 16 Jun 2020 18:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.3	57.8
148	65.0	31.6	94.7





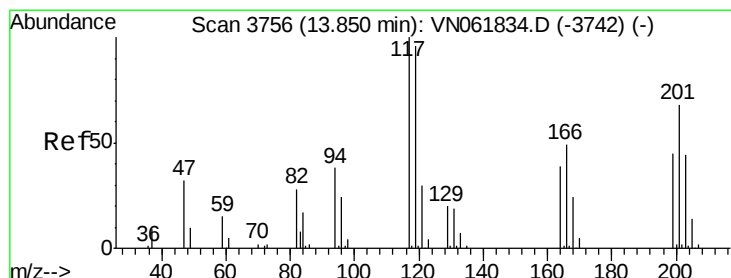
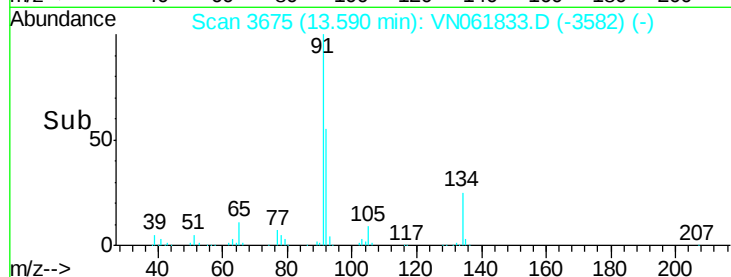
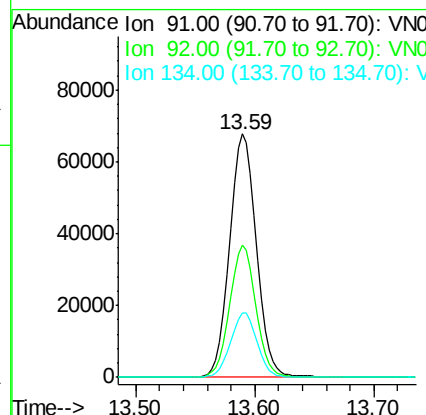
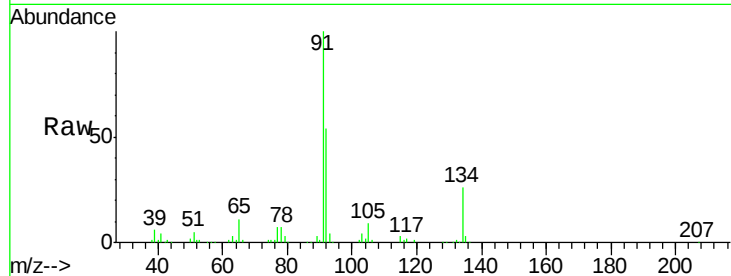
#89
n-Butylbenzene
Concen: 17.558 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	27.0	80.8
134	26.2	13.0	39.0

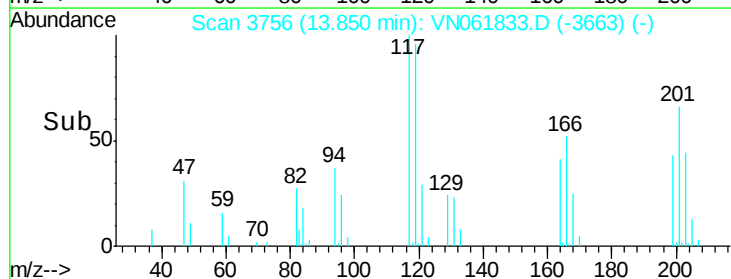
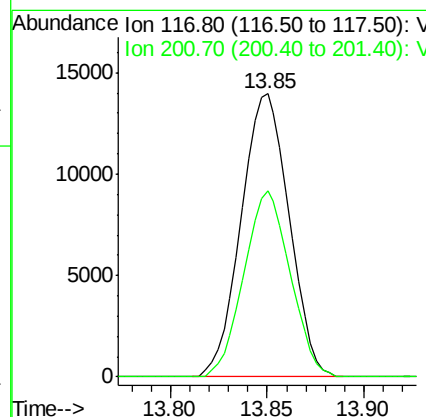
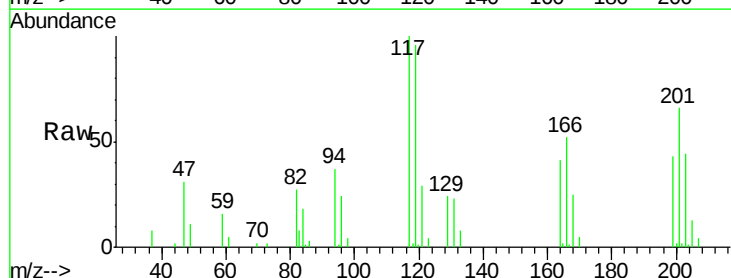
Manual Integrations
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#90
Hexachloroethane
Concen: 27.546 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.5	34.6	103.8





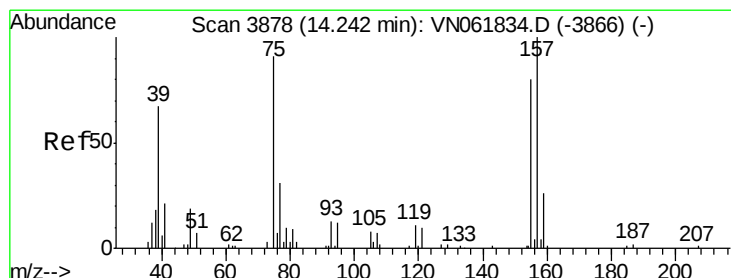
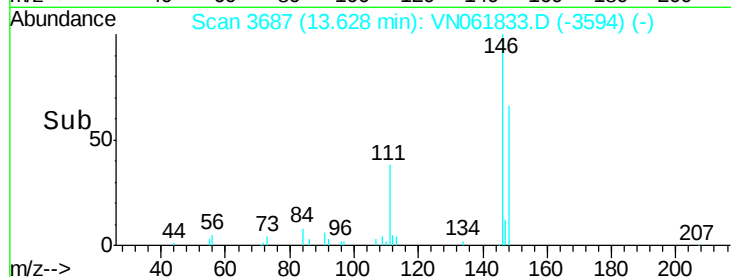
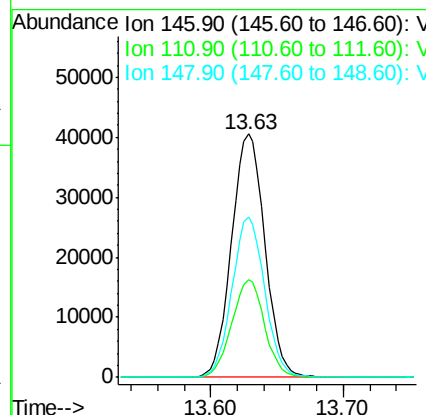
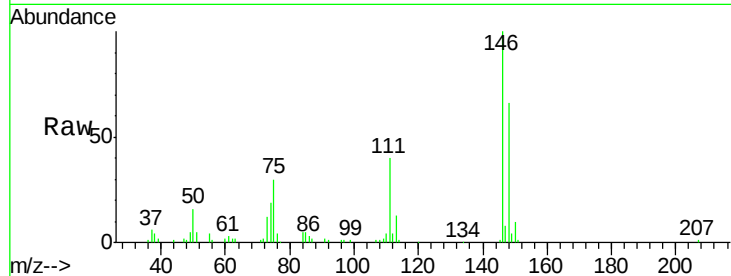
#91
 1,2-Dichlorobenzene
 Concen: 19.782 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061833.D
 Acq: 16 Jun 2020 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.4	61.2
148	64.4	31.8	95.4

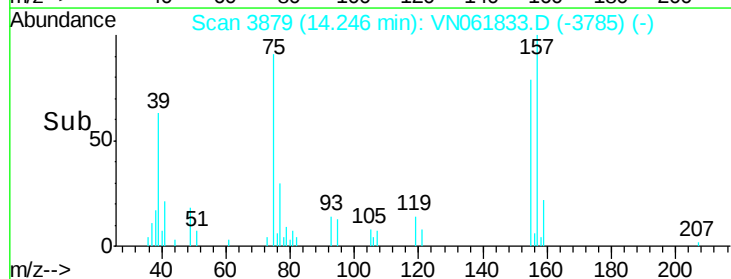
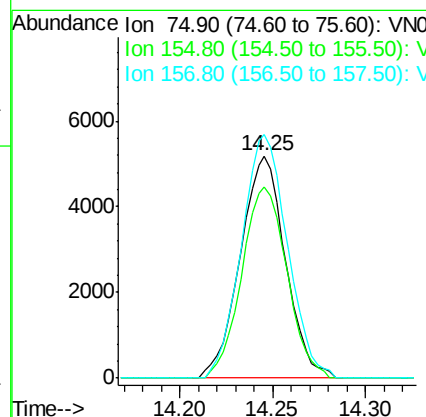
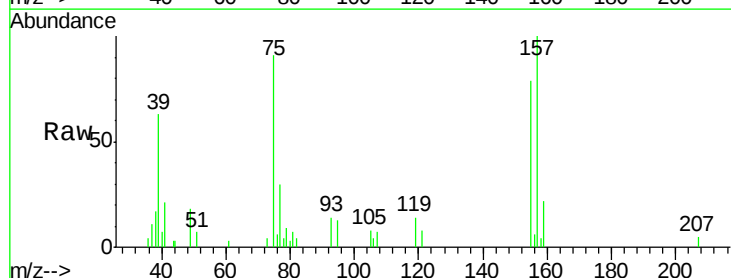
Manual Integrations
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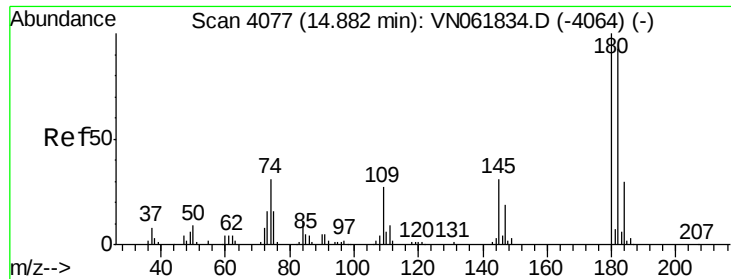
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.751 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN061833.D
 Acq: 16 Jun 2020 18:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.9	44.4	133.2
157	111.6	57.0	171.2





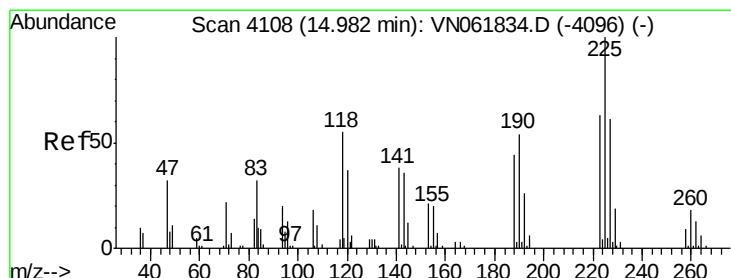
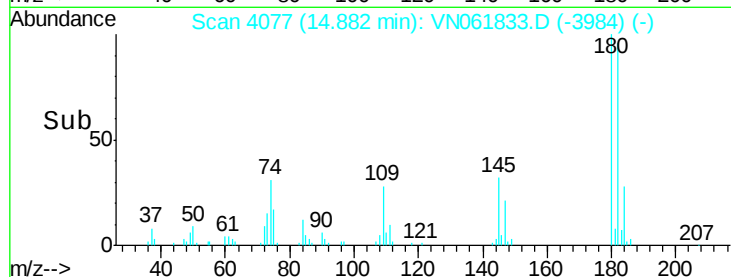
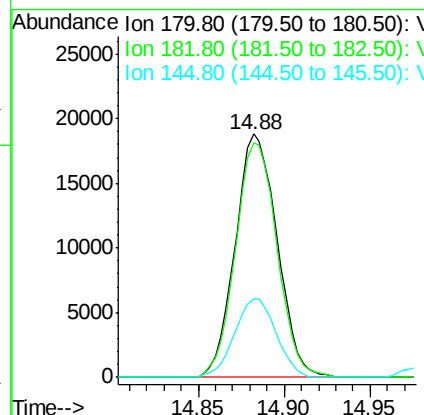
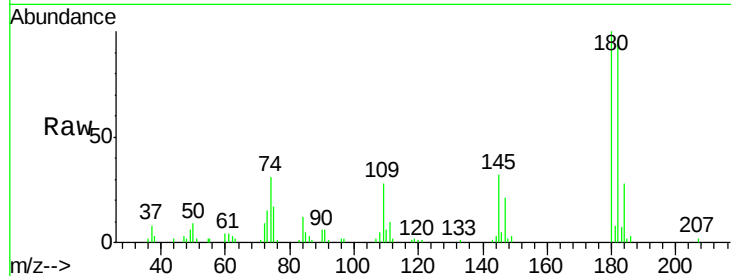
#93
 1,2,4-Trichlorobenzene
 Concen: 15.727 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN061833.D
 Acq: 16 Jun 2020 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.0	141.2
145	32.0	15.8	47.3

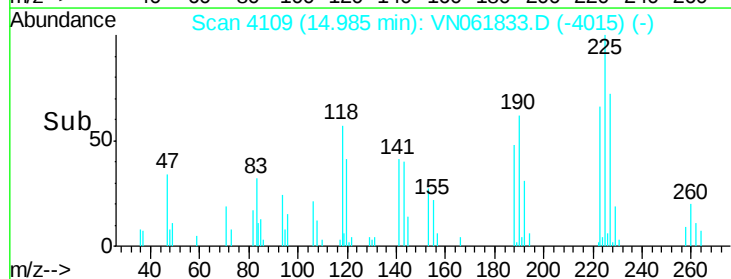
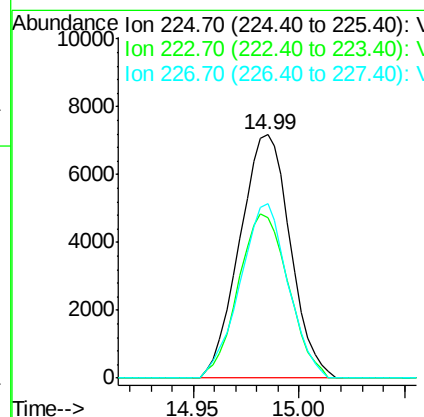
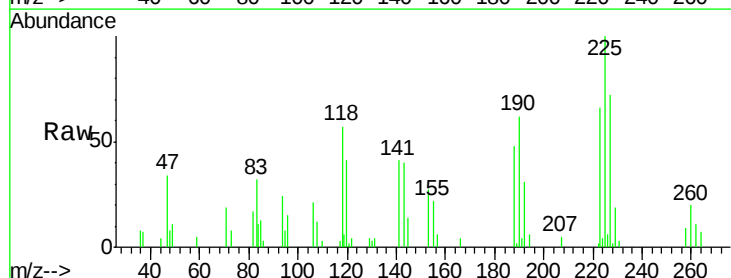
Manual Integrations
 APPROVED

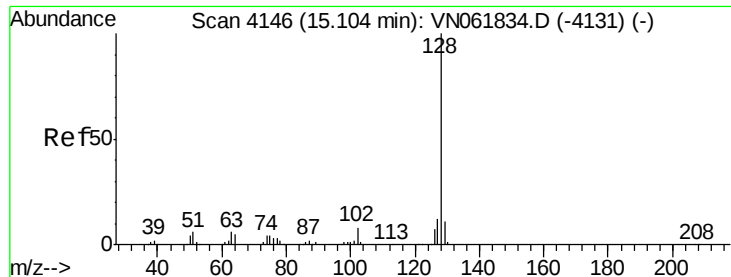
MMDadoda
 6/17/2020 3:44:57 PM



#94
 Hexachlorobutadiene
 Concen: 13.881 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061833.D
 Acq: 16 Jun 2020 18:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.9	31.7	95.1
227	68.1	30.1	90.3





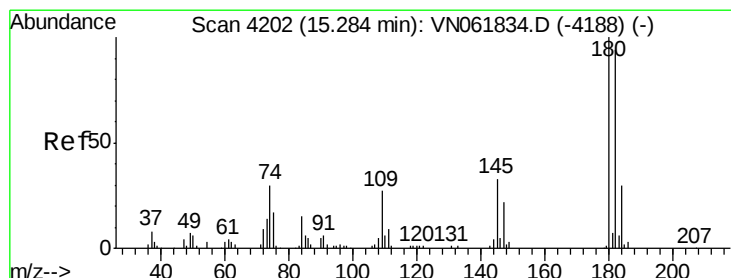
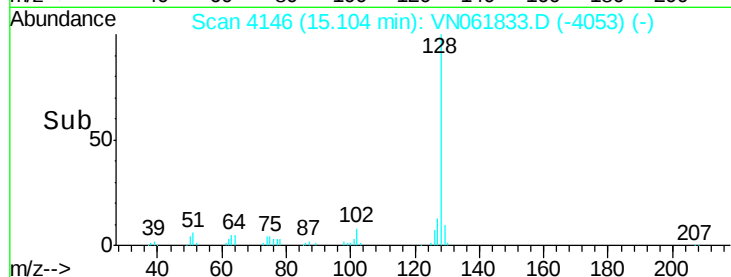
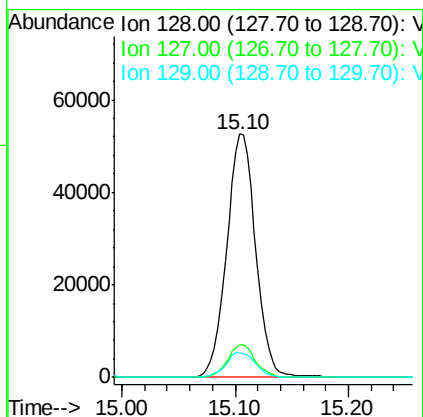
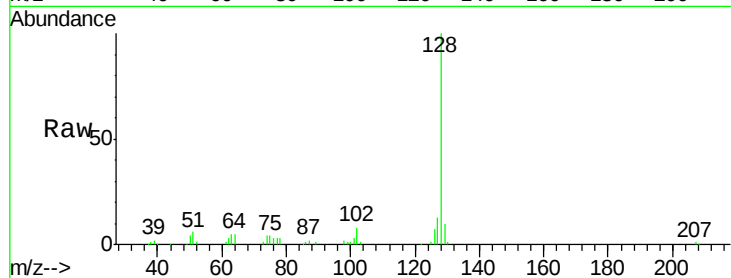
#95
Naphthalene
Concen: 15.370 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.4	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/17/2020 3:44:57 PM



#96
1,2,3-Trichlorobenzene
Concen: 16.509 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.9	143.6
145	32.0	16.5	49.5

